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March 7, 2016
Project No. 27214218.01

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Mr. Bill Sadler, P.G.
ADEQ – Solid Waste Management Division
5301 Northshore Drive
North Little Rock, Arkansas 72118

Subject: **NABORS Landfill**
Fourth Quarter Groundwater Monitoring and Gas Monitoring Reports

Mr. Sadler,

In accordance with Contract Number 4600033394, SCS Engineers is submitting the Fourth Quarter Groundwater Monitoring Report and Fourth Quarter Gas Monitoring Report summarizing monitoring activities performed in December 2015 at the NABORS Landfill.

If you have questions or comments regarding these reports, please do not hesitate to contact us at (913) 681-0030.

Sincerely,

Dillon Baird

Dillon Baird, P.E.
Project Engineer
SCS ENGINEERS

Floyd Cotter

Floyd Cotter, P.E.
Project Manager
SCS ENGINEERS

Enclosure: Fourth Quarter 2015 Groundwater Monitoring Report
Fourth Quarter 2015 Gas Monitoring Report

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Enclosure: Fourth Quarter 2015 Groundwater Monitoring Report
Fourth Quarter 2015 Gas Monitoring Report

FOURTH QUARTER 2015
GROUNDWATER MONITORING REPORT

NABORS Class 1 Landfill

1305 Rossi Road

Mountain Home, AR 72653

Permit No. 0249-S1-R2 AFIN: 03-00051

Project No. 15-040
February 19, 2016

Prepared by:

CHIMNEY ROCK CONSULTING

7529 Counts Massie Road ▪ North Little Rock, Arkansas 72113

NABORS CLASS 1 LANDFILL

FOURTH QUARTER 2015 GROUNDWATER MONITORING REPORT

Professional Geologist Certification

I certify that I am a qualified groundwater scientist who has received a baccalaureate or postgraduate degree in the natural sciences. I have sufficient training and experience in groundwater hydrology and related fields, as demonstrated by state registration and completion of accredited university courses, which enable me to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport. The statistics herein are based upon the statistical program SANITAS for Groundwater$_{TM}$ that is guided by the relevant EPA Guidance, ASTM Standards, and in accordance with Arkansas Department of Environmental Quality Hazardous Waste Regulation 22. I further certify that this report was prepared by me or by a subordinate working under my direction.

STATE OF ARKANSAS
REGISTERED PROFESSIONAL GEOLOGIST
DANIEL W. McCULLOUGH
No. 1802

Dan McCullough, P.G. Date
Senior Hydrogeologist #1802

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1.0 INTRODUCTION

This report summarizes the results of the Fourth Quarter 2015 Groundwater Assessment Monitoring event at the NABORS Landfill. Field work was conducted by personnel from Chimney Rock Consulting, LLC (CRC) on December 14-16, 2015. This report was prepared by CRC for SCS Aquaterra (SCS) under the provisions of Contract No. 4600033394 between the Arkansas Department of Environmental Quality (ADEQ) and SCS.

The NABORS Landfill originally operated under Solid Waste Disposal Permit number 0249-S, as issued to RLH, Inc. (RLH) by the Arkansas Department of Environmental Quality (ADEQ) on June 14, 1988. The solid waste permit was transferred to NABORS on August 31, 2005. The NABORS Landfill is currently under Solid Waste Disposal Permit 0249-S1-R2 issued by the ADEQ on August 10, 2006. Although the permit is considered "open", the landfill is not receiving waste. The ADEQ is currently managing the closure of the site. The analytical work for this sampling event was conducted by Environmental Science Corporation (ESC) of Nashville, Tennessee and groundwater sampling was conducted by CRC.

1.1 SITE DESCRIPTION

The Northwest Arkansas Regional Solid Waste Management District (District) owns both a Class 1 and Class 4 Landfill at the subject site. The NABORS Landfills (herein referred to as Landfill) are located on approximately 700 acres near Three Brothers (Baxter County), Arkansas. The permitted Class 1 area is located in a portion of the SW1/4 of SE1/4 of Section 26, Township 21 North, Range 14 West, and NW1/4 of NE1/4 of Section 35, Township 21 North, Range 14 West. A general geographic location map is included as **FIGURE 1.**

1.2 SITE GROUNDWATER MONITORING SYSTEM

The Landfill groundwater monitoring system has evolved over time into a system of monitoring points including both monitoring wells and local springs. The current Assessment Monitoring Program was triggered by the statistically significant occurrence of certain parameters documented in the original Detection Monitoring system. In turn, the required contingencies for Nature and Extent characterization and other regulatory provisions were addressed through the development of the site.

More specifically, the first Detection Monitoring System for the site that was intended to comply with the provisions of Reg.22.1202 through Reg.22.1204 was approved by ADEQ in 1998. Following the Fourth Half 2005 sampling event, the ADEQ was notified under the provisions of 22.1204(c) of a statistically significant increase for volatile organic compounds (VOC) at MW-1. These detections were verified during the First Half 2006 sampling event and the facility began Assessment Monitoring at wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, and MW-7 in June

of 2006 as required by Regulation 22.1205. At that time these seven wells were the only permitted facility Detection Monitoring wells.

The Assessment Monitoring program was later expanded to include all the wells/springs listed below when the new permit was issued in August of 2006 (0249-S1-R2), and when the Nature and Extent Characterization was completed. Monitoring was conducted under this program through the Third Quarter 2012.

Assessment Monitoring continued on a quarterly basis as per 22.1205(d) based upon:

- The presence of VOCs at MW-1
- Detected concentrations of arsenic at various wells, some of which were above the Groundwater Protection Standard (GWPS)
- Vinyl chloride detections at CAO-1 which historically exceed the GWPS.

The current groundwater monitoring system for the NABORS Landfill consists of twenty-four (24) monitoring wells, thirteen (13) springs, and a Leachate sample for a total of thirty-eight (38) Assessment Monitoring points. These sampling points are listed below and are located on **FIGURE 2.**

NABORS GROUNDWATER ASSESSMENT MONITORING POINTS

MW-1	**NAB-1**	MW-577	SP-4	NE-6
MW-2	NAB-2	MW-689D	SP-5	MW-1R
MW-3	NAB-3	MW-633D	SP-7	
MW-4	NAB-4	TSP-1	Spring A	
MW-5	NAB-7	TSP-2	Spring B	
MW-6	CAO-3	TSP-3	Leachate	
MW-7	NAB-8	TSP-4	NE-2	
CAO-1	MW-509D	Entrance Seep	NE-3	
CAO-2	Class I Draw	Class IV Draw	Spring near NE-3	

Note: NAB-1 is damaged at approximately 68 feet below top of casing and is no longer being sampled.

2.0 GROUNDWATER SAMPLING

The Fourth Quarter 2015 Assessment Monitoring sampling event was conducted on December 14-16, 2015. A representative of CRC collected samples from twenty-two monitoring wells (MW-1 through MW-7, MW-1R, MW-509D, MW-577, MW-633D, MW-689D, CAO-1, CAO-2, CAO-3, NAB-2, NAB-3, NAB-4, NAB-7, NAB-8, NE-2 and NE-6) and nine springs (TSP-3, SP-4, SP-7, SP-NE-3, Spring A, Spring B, Class I Draw Spring, Class IV Draw Spring, and the Landfill Entrance Seep). All additional springs were dry, or had been covered by landfill construction and could not be sampled during this event. The current *Groundwater Sampling and Analysis Plan* dated December 2011 (ADEQ document #61474) was utilize for this sampling event. The procedures for obtaining groundwater samples, parameters analyzed, sample preservation and handling are discussed in the following sections.

2.1 WATER LEVEL DETERMINATION

Prior to evacuating each well for sampling, the depth to water was measured using an electronic water level probe. The measurements were taken to the nearest 0.01-foot from the top of the well casing and the information was used to calculate the volume of water in the well. Because non-dedicated equipment was used to obtain water levels, procedures were instituted to insure the samples were not contaminated. The electronic water level probe is constructed of inert materials and was de-contaminated with distilled water prior to use at each well.

2.2 WELL EVACUATION

The water in a well prior to sampling may not be representative of in-situ groundwater quality. Therefore, the groundwater technician used an electric submersible Grundfos Redi-Flo 2 pump to purge a minimum of three casing volumes from each well utilizing dedicated sampling tubing at a rate that did not excessively agitate the recharge water. Since non-dedicated equipment was used to purge the wells, procedures were utilized to insure the samples were not contaminated. Clean, non-powdered, nitrile gloves were worn by the sampling personnel. Measures were taken to prevent surface soils from coming in contact with the purging equipment and lines, which could introduce contaminants to the well.

2.3 EQUIPMENT DECONTAMINATION PROCEDURES

All equipment that was used in the monitoring wells and had contact with the samples was thoroughly cleaned before use. These devices included a water level probe and a submersible pump. The water level probe was washed with potable water and phosphate-free laboratory detergent. Next, the probe was rinsed with potable water and finally, rinsed with distilled water. The water level probe was then placed in a plastic bag to reduce contact with air and transported into the field. After a water level was measured at each well, a paper towel was

soaked with distilled water and as the probe was reeled up the tape and probe were wiped clean.

The submersible pump was initially flushed with potable water and phosphate-free detergent. Next, the pump was rinsed with potable water, and finally rinsed and flushed with distilled water in a portable decontamination tub prior to use in each well. The pump was transported in a clean, sealed tub to minimize contact with the air prior to use at each well.

2.4 SAMPLE EXTRACTION

The technique used to withdraw each groundwater sample from the wells was selected based on consideration of the parameters analyzed in the sample. To insure the groundwater sample is representative of the formation, it is important to minimize physically altering or chemically contaminating the sample during the withdrawal process. In order to minimize the possibility of sample contamination the groundwater technicians did the following:

- *Made sure clean sampling equipment was not placed directly on the ground or other contaminated surfaces prior to insertion into the well.*

- *Gently lowered and retrieved sampling equipment in order to prevent undue disturbance of the water column. Monitoring wells were purged and samples were collected using a Grundfos submersible pump. Wells that went dry during purging were allowed to recharge for approximately 24 hours and samples were collected using a disposable bailer.*

- *Transferred samples to the appropriate containers in a manner that minimized agitation and aeration.*

Samples were collected and containerized in the order of volatilization sensitivity of the parameters. Spring samples are collected where able, by utilizing a grab sample method by holding the sample bottle within the spring water flow path. The list of parameters analyzed is presented in **TABLE 1**.

TABLE 1

ASSESSMENT MONITORING CONSTITUENTS (AMC)

APPENDIX 1 VOLATILES	INORGANICS
ACETONE	ANTIMONY
ACRYLONITRILE	ARSENIC
BENZENE	BARIUM
BROMOCHLOROMETHANE	BERYLLIUM
BROMODICHLOROMETHANE	CADMIUM
BROMOFORM; TRIBROMOMETHANE	CHROMIUM
CARBON TETRACHLORIDE	COBALT
CARBON DISULFIDE	COPPER
CHLOROBENZENE	LEAD
CHLOROETHANE	NICKEL
CHLOROFORM	SELENIUM
DIBROMOCHLOROMETHANE	SILVER
1,2, DICHLOROBENZENE	THALLIUM
1,4, DICHLOROBENZENE	VANADIUM
TRANS- 1,4-DICHLORO-2-BUTENE	ZINC
1,1 DICHLOROETHANE	IRON
1,2 DICHLOROETHANE	MANGANESE
CIS-1,2,-DICHLOROETHYLENE	TIN
TRANS-1,2-DICHLOROETHYLENE	
1,2-DICHLOROPROPANE	
CIS-1,3-DICHLOROPROPENE	
TRANS-1,3-DICHLOROPROPENE	
ETHYLBENZENE	
2-HEXANONE	
METHYL BROMIDE	
METHYL CHLORIDE	**INDICATOR PARAMETERS**
METHYLENE BROMIDE	CHLORIDE
METHYLENE CHLORIDE	pH
METHYL ETHYL KETONE	SULFATE
METHYL IODIDE	TDS
4- METHYL-2-PENTANONE	TOC
STYRENE	SPECIFIC CONDUCTANCE
1,1,1,2-TETRACHLOROETHANE	
1,1,2,2,-TETRACHLOROETHANE	
TETRACHLOROETHANE	
TOLUENE	
1,1,1-TRICHLOROETHANE	
1,1,2-TRICHLOROETHANE	
TRICHLOROETHYLENE	
TRICHLOROFLUOROMETHANE	
1,2,3-TRICHLOROPROPANE	
VINYL ACETATE	
VINYL CHLORIDE	
XYLENE	

The collection order for the common groundwater parameters was as follows:

** Volatile Organic Compounds (VOCs)*
** Total Organic Carbon (TOC)*
** Sulfate, Chloride, and Total Dissolved Solids (TDS)*
** Total Metals*

2.5 FIELD TESTING

Some of the parameters evaluated are physically or chemically unstable and were measured immediately after collection by the CRC representative using a flow cell. Examples of unstable elements or properties include pH and temperature. Although the turbidity and specific conductance (inverse of electrical resistance) of a substance are relatively stable, these parameters were also measured in the field. This information was recorded on *Groundwater Monitoring Sampling Records* presented in **APPENDIX A**. A summary of the field measurements for the Fourth Quarter 2015 Assessment Monitoring sampling event is presented in **TABLE 2**.

TABLE 2
FOURTH QUARTER 2015 FIELD MEASUREMENTS

Well #	Date	Time	TOC Elev. (fmsl)	GW Depth (ft.)	GW Elev. (fmsl)	pH (SU)	Temp. (°C)	Spec. Cond. (uS/cm)	Turbidity (NTU)
MW-1R	12/15/2015	0750	1067.57	67.71	999.86	8.29	13.1	1531	30.1
MW-1	12/15/2015	1345	1067.26	68.74	998.52	7.63	17.2	1711	10.2
MW-2	12/15/2015	1457	1001.21	33.31	967.9	5.54	16.8	624	5.71
MW-3	12/15/2015	1537	994.48	27.49	966.99	7.82	17.1	738	0.97
MW-4	12/15/2015	1609	1012.11	86.05	926.06	8.35	15.7	644	8.39
MW-5	12/16/2015	0713	1004.38	76.51	927.87	9.18	15.0	714	5.46
MW-6	12/16/2015	0746	1000.38	55.26	945.12	8.88	14.2	730	4.06
MW-7	12/15/2015	1257	999.66	6.82	992.84	8.38	15.2	558	0.42
CAO-1	12/16/2015	0815	1026.40	26.18	1000.22	7.71	16.6	1416	2.81
CAO-2	12/15/2015	1523	998.80	21.01	977.79	8.10	17.2	615	3.81
CAO-3	12/15/2015	1426	984.20	8.39	975.81	8.33	15.6	440	9.63
NAB-1	DNS	DNS	1012.26	DNS	DNS	DNS	DNS	DNS	DNS
NAB-2	12/15/2015	1114	993.98	74.82	919.16	8.55	15.9	710	5.43
NAB-3	12/15/2015	0824	921.49	22.91	898.58	8.81	15.7	555	12.3
NAB-4	12/15/2015	1235	1004.20	105.81	898.39	8.25	16.1	638	6.89
NAB-7	12/15/2015	1322	1012.36	19.41	992.95	8.38	15.9	544	1.18
***NAB-8**	12/15/2015	0645	1039.21	76.93	962.28	9.36	10.9	6.61	10.8
MW-509D	12/15/2015	1214	1014.20	17.86	996.34	8.63	17.4	532	8.03
MW-577	12/15/2015	1012	982.60	41.21	941.39	8.92	16.0	679	8.61
MW-633D	12/14/2015	1635	1050.10	63.28	986.82	8.27	16.4	737	6.33
MW-689D	12/15/2015	1035	966.20	25.29	940.91	8.76	16.5	671	5.38
***NE-2**	12/14/2015	1330	976.98	56.40	920.58	6.45	13.6	2322	62.1
***NE-3**	12/15/2015	0726	846.91	6.80	840.11	9.13	12.6	615	21.8
NE-6	12/14/2015	1554	901.42	7.94	893.48	8.46	15.8	671	7.61

DNS = Did Not Sample ***Note: NAB-8 and NE-3 went dry during purging (at approx. 2 and 5 gallons, respectively)**

2.6 FIELD QA/QC PROCEDURES

For QA/QC purposes, a duplicate sample of MW-6 was collected and labeled Dupe. Procedures utilized for collecting the duplicate sample were identical to the sampling protocol detailed in Section 2.4 and collected at the same time as the MW-6 samples. The duplicate sample was collected to verify the consistency and precision of the sampling and testing procedures.

A field blank was also collected and labeled FB. The field blank consisted of distilled water poured into a sample container under field conditions and returned for laboratory analysis. The CRC field representative prepared the field blank for all the required monitoring parameters. The field blank was used to verify that the sample collection and handling process or ambient conditions, such as airborne materials or other factors unique to the sampling area did not affect the quality of the samples.

A volatile organic analyte (VOA) trip blank was also included as part of the field QA/QC procedures. The trip blank was prepared in the laboratory utilizing de-ionized water, transported to the site, handled as a sample (yet never opened in the field), and returned to the laboratory for analysis. Trip blank results are used to verify that the sample containers were adequately prepared/handled in the laboratory, and that the groundwater samples were protected from contamination during transport.

An equipment blank, labeled EB, was prepared on site by pouring de-ionized water over the water level probe, gloves, and through a disposable bailer. Equipment blank results are used to verify that proper protocols for collection of samples and decontamination of equipment were followed.

2.7 HANDLING/TRANSPORT/CUSTODY

Samples were accompanied by a Chain-of-Custody record that includes the name of the facility, collector's signature, monitoring point identification number, date, time, type of sample, number of containers, and analyses required. Samples collected from the Landfill site were placed in sample containers provided by the Laboratory. Containers were certified clean by the supplier and transported with ice to preserve samples.

Attached to the sample container at the time of collection is the sample label. The following information is recorded on the sample label:

- *Project or facility name*
- *Sample type*
- *Sample location number (well number)*
- *Preservation type*
- *Sampling date and time*
- *Sample collector's name or initials*

Documentation for the sample collection process and other important information was recorded on the chain of custody. The standard format includes the date, time, type of sample, code for sample analysis, unique sample number, and sampling location. The entries were signed by the sample collector.

2.8 SAMPLE PRESERVATION

In accordance with the facility's *Sampling and Analysis Plan*, the samples were placed in an ice chest for preservation and cooled to approximately 4 degrees Celsius. Custody was retained by a CRC representative from the time of collection until shipment via Federal Express to Environmental Science Corp. (ESC) in Nashville, Tennessee. Laboratory analytical results and a copy of the ESC Chain-of-Custody form are included in **APPENDIX C**.

3.0 FOURTH QUARTER 2015 ASSESSMENT MONITORING EVENT

The sampling results summarized in this report are for the Fourth Quarter 2015 Assessment Monitoring Event. The results for this event, conducted on December 14-16, 2015, are provided in the following sections, tables, and appendices. In addition, all historical groundwater data was evaluated statistically to determine if significant differences exist between compliance and background concentrations at each monitoring point.

3.1 GROUNDWATER ELEVATION, FLOW DIRECTION & RATE

There are currently twenty-three monitoring wells located around the Landfill area. Water level elevations were measured for monitoring wells MW-1R, MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, CAO-1, CAO-2, CAO-3, NAB-2, NAB-3, NAB-4, NAB-7, NAB-8, NE-2, NE-3, NE-6, MW-509D, MW-577, MW-689 and MW-633D during the Fourth Quarter 2015 event. **TABLE 2** summarizes the results of the water level and field measurements for this event. The highest water level elevation during this event was measured in monitoring well CAO-1, located east of Area 1-2, and the lowest elevation occurred in monitoring well NE-3, located southeast of Area 1-3. A potentiometric surface map was constructed utilizing the water levels measured during the Fourth Quarter 2015 Assessment Monitoring Event and is presented as **FIGURE 2**.

As **FIGURE 2** indicates, groundwater within the uppermost aquifer was found to flow to the west/northwest in Area 1-2 and generally to the east-southeast in Area 1-3. Based on this flow pattern, monitoring wells MW-1, MW-7, and NAB-7 are upgradient wells, and wells MW-2, MW-3, MW-4, MW-5, MW-6, NAB-2, NAB-3, NAB-4, NAB-8, MW-509D, MW-633D, MW-577, MW-689, CAO-1, CAO-2, and CAO-3 monitor the groundwater downgradient of the landfill.

Based on the principles of Darcian flow, the average linear velocity (groundwater flow rate) during the Fourth Quarter 2015 Assessment Monitoring event was calculated utilizing the following equation:

$$V_x = (K*i) / n_e$$

where,

V_x is the average linear velocity (length/time),
K is the hydraulic conductivity (length/time),
i is the hydraulic gradient (length/length),
and n_e is the effective porosity (decimal).

The hydraulic gradient in the Area 1-2 portion of the Landfill was calculated by comparing upgradient well, MW-1R, to the most directly downgradient well, MW-5. The change in head of 79.99 feet between the two wells over a distance of approximately 1,432 feet produces a hydraulic gradient of 0.056 (ft/ft).

The hydraulic gradient in the Area 1-3 portion of the Landfill was calculated by comparing upgradient well, MW-1R, to the most directly downgradient well, NAB-2. The change in head of 80.70 feet between the two wells over a distance of approximately 693 feet produces a hydraulic gradient of 0.12 (ft/ft).

Grubbs, Garner, & Hoskyn, Inc. reported an average hydraulic conductivity of $1.0x10^{-3}$ cm/sec in the site's *Hydrogeologic and Geotechnical Report* (1987). This hydraulic conductivity for the uppermost aquifer was used to aid in the flow rate calculations. CRC utilized an estimated porosity for this report of 10 percent for dolomite bedrock (Freeze and Cherry, 1979). An effective porosity was then determined by multiplying the porosity by 0.90 (90 percent). Effective porosity is always equal to or less than the porosity and utilizing 90 percent is a conservative approach since part of the total porosity is occupied by static fluid held to the mineral surface by surface tension. The effective porosity determined was nine percent.

Area 1-2:

$$V_x = [(1.0x10^{-3} \text{ cm/sec})(0.056)]/(0.09) = 6.2x10^{-4} \text{ cm/sec or } 1.764 \text{ ft/day}$$

Area 1-3:

$$V_x = [(1.0x10^{-3} \text{ cm/sec})(0.12)]/(0.09) = 1.3x10^{-3} \text{ cm/sec or } 3.7 \text{ ft/day}$$

3.2 STATISTICAL EVALUATION

The historical data was first reviewed for anomalies or outliers using the statistical program SANITAS™ for Groundwater. There were no statistical outliers calculated for the Fourth Quarter 2015 event.

In addition to outlier analysis, parameter concentrations were plotted versus time for each of the parameters. These graphs are included in **APPENDIX E**. Graphs provide a summary of the historical data that are more easily visualized on graphs than tables. Another important application of these graphs is for detecting possible trends or drifts in the data from a given well. Furthermore, when visually comparing the plots of all the wells for a parameter, it is easy to identify the variability among the wells. This variability may be spatial or due to contamination from an off-site source.

An important consideration in any graphical presentation is whether the data is significantly influenced by seasonal changes. If this is the case, then the data should be adjusted for seasonal influences. In order to make such a determination, there should exist at least eight and preferably sixteen observations for each parameter. However, seasonal influences will likely be first suspected from visual observation of the data graphs discussed above. Based on the data generated thus far and as stated in previous reports, it is suspected that concentration levels are significantly influenced by the amount of precipitation and the timing of individual precipitation events in relation to sampling events.

The methods used to evaluate the groundwater data for statistically significant increases (SSIs) are based on statistical procedures outlined in the *Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities (Unified Guidance, March 2009)* and ASTM D6312-98 *Standard Guide for Developing Appropriate Statistical Approaches for Groundwater Detection Monitoring Programs*. The *SANITAS*™ *for Groundwater* program was utilized to statistically evaluate the data for the Fourth Quarter 2015 sampling event. A brief description of the procedures used in the statistical evaluation is provided on each statistical plot (See **APPENDIX D**).

3.2.1 Sen's Slope/Mann-Kendall

When used in conjunction with one another, the Mann-Kendall test for temporal trend and the Sen's slope estimate are two types of Evaluation Monitoring Statistics useful in determining the significance of an apparent trend and to estimate the magnitude of that trend. Prior to performing prediction interval analysis, the Sen's Slope/Mann-Kendall was performed on all detected constituents from each well to determine whether a statistical trend is present in the data. The results of the Sen's Slope/Mann-Kendall plots associated with the Fourth Quarter 2015 sampling event are presented in **APPENDIX E**. A number of constituents presented a false trend due to a change in reporting limits. Only constituents with true statistical trends in detected concentrations are presented below:

Well	Significant decreasing trends	Significant increasing trends
CAO-1	cobalt, lead, manganese, nickel, sulfate, zinc	arsenic, barium, chloride, iron, TOC
CAO-2	zinc, lead	
CAO-3	lead	
MW-1	lead	barium, chloride, TDS, iron, manganese, nickel, sulfate, TOC, zinc
MW-1R		
MW-2	arsenic	pH
MW-3	chloride, sulfate	barium, TDS, nickel, zinc
MW-4		chloride, TDS, sulfate, zinc
MW-5		chloride, TDS, sulfate, zinc
MW-6		TDS, sulfate, zinc
MW-7	barium, chloride	
MW-509D	pH	cadmium, chloride, sulfate
MW-577	sulfate, zinc, lead	chloride
MW-689D	pH	
MW-633D	lead, pH	barium, chloride, TDS
NAB-1	arsenic	barium, chloride, TDS, manganese, sulfate, zinc
NAB-2	sulfate, TOC	barium, chloride, TDS
NAB-3	pH	barium, chloride, TDS, iron, sulfate
NAB-4	pH	barium, TDS, zinc
NAB-7	pH	barium, chloride, iron, sulfate, zinc
NAB-8	lead	

3.2.2 Results of Assessment Monitoring Statistical Analyses

Confidence intervals are the recommended statistical strategy for assessment monitoring. The Groundwater Protection Standards (GWPS) utilized in the statistical evaluation are included in **TABLE 3.**

TABLE 3

Groundwater Protection Standards - Regulation 22.1205 (h)(I)

Compound	MCL**	RBSL***
Total Arsenic	0.01 mg/l	
Total Barium	2 mg/l	
Total Cadmium	0.005 mg/l	
Total Cobalt	--	0.011 mg/l
Total Chromium	0.1 mg/l	--
Total Nickel	--	0.039 mg/l
Total Zinc	--	6 mg/l
Total Selenium	0.05 mg/l	
Tin	--	12mg/l
Silver	--	0.094 mg/l
Thallium	0.002 mg/l	
Vanadium	--	0.086 mg/l
Antimony	0.006 mg/l	
Beryllium	0.004 mg/l	
Copper	1.3 mg/l	
Lead	0.015 mg/l	
Benzene	5 ug/l	
Chloroethane (Ethyl Chloride)	--	21,000 ug/l
Vinyl Chloride	2 ug/l	
1,1-Dichloroethane	--	2.7 ug/l
cis-1,2-Dichloroethene (-ethylene)	70 ug/l	--
Tetrachloroethene (-ethylene)	5 ug/l	
1,4-dichlorobenzene	75 ug/l	
Methylene Chloride	5 ug/l	
Toluene	1,000 ug/l	
Trans 1,2-dichloroethylene	100 ug/l	
Xylene (Total)	10,000 ug/l	
Ethyl Benzene	700 ug/l	
Carbon Disulfide	--	810 ug/l
Chlorobenzene	100 ug/l	
Cyanide	200 ug/l	
Mercury	200 ug/l	
Trichloroethene (-ethylene)	5 ug/l	

* When Available the MCL will be used as the Groundwater Protection Standard.

** MCL = Maximum Contaminant Levels (current or proposed)

*** RBSL = Risk-Based Screening Level (EPA Region 6 Human Health Medium Specific Screening Level) Residential Water (Residential Scenario: Ingestion and Inhalation)

Data evaluation consisted of the establishment of 95% Lower Confidence Limits (LCL), assuming that a minimum of four (4) background samples exist for each parameter and well detected during the Assessment Monitoring Program. If inadequate background data exists, sufficient background data will be collected to provide adequate sample size for statistical analysis. If the 95% LCL of one parameter exceeds action levels defined as Maximum Contaminant Levels (MCLs), if applicable, or a health-based alternate Groundwater Protection Standards (GWPS) as stipulated in Section 22.1205(d)(4), the site will conduct an Assessment of Corrective Measures in coordination with ADEQ.

Since the entire monitoring system is currently in the Assessment Monitoring Program, each detected volatile organic compound and metal parameter at each well or spring was evaluated utilizing the last 11 to 12 sampling events. This number of events was selected based on the interpretation that data population has been generally stable at each monitoring point over this time period. Data prior to these events varied substantially in some cases from the utilized data set. The statistical evaluation was conducted in accordance with recommended procedures found in the Unified Guidance. Confidence Interval statistical analysis was not performed for indicator parameters.

The results of the assessment monitoring statistical evaluations indicated the concentrations of the following parameters at the following wells, statistically exceeded the established Groundwater Protection Standards.

FOURTH QUARTER 2015 GWPS EXCEEDANCES

MONITORING POINT	AMC CONSTITUENT
CAO-1	arsenic
MW-1R	1,1-Dichloroethane, arsenic, nickel, cobalt

The results of the Fourth Quarter 2015 Sampling Event indicate that AMC constituent concentrations statistically exceed the GWPS at sample points CAO-1 and MW-1R.

The results of the confidence interval evaluation associated with the Fourth Quarter 2015 sampling event are presented in **APPENDIX E**. As discussed above, in accordance with Regulation 12.1205(d)(4), an *Assessment of Corrective Measures Report* (June 2015, Document 67822) was submitted to ADEQ for approval.

3.3 LABORATORY ANALYTICAL RESULTS

The analytical laboratory results for the Fourth Quarter 2015 Assessment Monitoring sampling event are summarized in **TABLE 4**. The Table presents a comparison of parameter concentrations from the current sampling event to the applicable Primary Drinking Water Standards-Maximum Contaminant Levels (MCLs) and Secondary Drinking Water Standards (SDWS). The SDWS are set primarily for aesthetic reasons and are generally not considered health-based criteria. Constituents covered by the SDWS are those which may adversely affect the aesthetic qualities of drinking water such as taste, odor, color, and appearance and are not federally enforced.

Primary Drinking Water Standard MCL exceedances noted for well samples consisted of arsenic at MW-1, MW-1R and CAO-1 and vinyl chloride, lead, and thallium at MW-1R (see **TABLE 4**) during the Fourth Quarter 2015 Assessment Monitoring event.

As shown in **TABLE 5**, Appendix 1 volatile organic compound (VOC) detections in well samples above the PQL consisted of the following:

- **MW-1 –** benzene, 1,1-dichloroethane, cis-1,2-dichloroethylene, chlorobenzene, 1,4-dichlorobenzene, and vinyl chloride
- **MW-1R** – benzene, 1,1-dichloroethane, cis-1,2-dichloroethylene, and vinyl chloride
- **CAO-1** - 1,1-dichloroethane, benzene, and vinyl chloride
- **MW-633D** - 1,1-dichloroethane

Because VOCs are not naturally occurring, detected concentrations above the PQL are considered SSIs.

3.4 QUALITY ASSURANCE/QUALITY CONTROL RESULTS

A QA/QC comparison for the Fourth Quarter 2015 Assessment Monitoring event is presented in **TABLES 4** and **5**. The well sample reported "J" value detections for mercury and copper that were reported as non-detect in the duplicate sample. Conversely, the duplicate sample had reported "J" value detections for cadmium, iron, tin, and lead that were reported as non-detect for the well sample. The two samples also reported differing levels of TOC, both over the PQL. The field, trip and equipment blanks had no VOC detections during the Fourth Quarter 2015 Assessment Monitoring event.

TABLE 4
INORGANIC GROUNDWATER QUALITY RESULTS

WELL ID	pH (SU)	TDS (mg/L)	Sulfide (mg/L)	Cyanide (mg/L)	Cl (mg/L)	SO_4 (mg/L)	TOC (mg/L)	Hg (mg/L)
MW-1	7.63	**1140**	<0.05	<0.005	133	26.4	9.79	<0.0002
MW-1R	8.29	**868**	0.011 J	<0.005	112	26.9	15.3	0.00307
MW-2	**5.54**	385	<0.05	<0.005	3.6	17	0.37	<0.0002
MW-3	7.82	436	<0.05	<0.005	5.75	3.14 J	5.48	<0.0002
MW-4	8.35	365	<0.05	<0.005	7.15	16.5	0.29 J	<0.0002
MW-5	**9.18**	419	<0.05	<0.005	5.56	8.44	0.35	<0.0002
MW-6	**8.88**	399	<0.05	<0.005	17.9	8.66	0.92	0.0000816 J
Dupe (MW-6)	N/A	428	<0.05	<0.005	17.1	8.05	2.49	<0.0002
MW-7	8.38	341	0.009 J	<0.005	1.69	7.59	0.54 J	<0.0002
CAO-1	7.71	**798**	<0.05	<0.005	109	2.31 J	9.95	<0.0002
CAO-2	8.10	356	<0.05	<0.005	30.3	2.74 J	2.33	<0.0002
CAO-3	8.33	269	0.016 J	<0.005	11.5	6.19	0.93 J	<0.0002
NAB-1	DNS	DNS	<0.05	DNS	DNS	DNS	DNS	DNS
NAB-2	8.38	412	0.028 J	<0.005	5.72	17	0.51 J	<0.0002
NAB-3	7.71	372	0.011 J	<0.005	3.14	9.93	15.1	<0.0002
NAB-4	8.10	385	<0.05	<0.005	3.41	30	0.91 J	<0.0002
NAB-7	8.33	303	0.0011 J	<0.005	3.53	22.4	2.34	<0.0002
NAB-8	9.36	341	<0.05	<0.005	1.86	10.7	2.32	<0.0002
MW-509D	**8.55**	300	<0.05	<0.005	4.87	11.6	1.78	<0.0002
MW-633D	8.27	442	0.018 J	<0.005	12.7	10.4	3.29	0.000386
MW-577	**8.92**	382	0.011 J	<0.005	2.27	22.9	1.93	<0.0002
MW-689D	**8.76**	377	<0.05	<0.005	2.11	13.7	2.0	<0.0002
NE-2	6.45	**2030**	<0.05	<0.005	28.9	**1060**	20.2	<0.0002
NE-3	**9.13**	331	<0.05	<0.005	5.61	24.5	3.59	<0.0002
NE-6	8.46	407	0.032 J	<0.005	2.09	32.5	1.79	<0.0002
Spring A	**9.42**	208	<0.05	<0.005	1.03	4.57 J	2.59	<0.0002
Spring B	**8.99**	**554**	<0.05	<0.005	77.3	17.3	7.81	<0.0002
TSP-3	**8.99**	311	<0.05	<0.005	5.02	6.24	3.79	<0.0002
TSP-4	**9.48**	307	<0.05	<0.005	2.22	9.48	4.01	<0.0002
SP-NE-3	**9.20**	205	<0.05	<0.005	19.1	6.81	3.88	<0.0002
Class I Draw Sp	**9.52**	250	<0.05	<0.005	31.3	6.35	6.09	<0.0002
Class IV Draw Sp	**9.42**	245	<0.05	<0.005	5.98	37.8	4.69	<0.0002
SP-7	**9.49**	212	<0.05	<0.005	13.6	7.47	5.17	<0.0002
Landfill Ent Seep	**9.70**	206	<0.05	<0.005	12.1	7.74	5.69	<0.0002
Field Blank	NA	9.0 J	<0.05	<0.005	<1.0	<5	0.180 J	<0.0002
LEACHATE	7.70	**1810**	<0.05	<0.005	**678**	5.91	71.4	<0.0002
EPA Standards	***6.5-8.5****	***500****	*---*	*---*	***250****	***250****	*---*	*---*

*Primary Drinking Water Standard-Maximum Contaminant Level (MCL) **Secondary Drinking Water Standard (SDWS)

"J" Value= estimated concentration above the MDL but below the PQL

Values in **bold** exceed applicable EPA Standards.

DNS = Did Not Sample

TABLE 4 (CONT'D)
INORGANIC GROUNDWATER QUALITY RESULTS

WELL ID	Sb (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	Cd (mg/L)	Cr (mg/L)	Cu (mg/L)	Co (mg/L)	Fe (mg/L)	Pb (mg/L)
MW-1	0.000325 J	**0.0242**	0.195	<0.002	<0.001	0.000774 J	0.00104 J	0.041	**6.10**	0.000883 J
MW-1R	0.000718 J	**0.0258**	0.17	<0.002	0.00406	0.00503	0.00257 J	0.0659	**9.81**	**0.0179**
MW-2	<0.002	0.00476	0.0303	<0.002	<0.001	<0.002	0.0026 J	<0.002	0.0829 J	0.000383 J
MW-3	<0.002	0.00684	0.0752	<0.002	0.00113	<0.002	0.00117 J	0.0111	**4.19**	<0.002
MW-4	0.000218 J	0.00103 J	0.0354	<0.002	0.00097 J	<0.002	<0.005	<0.002	0.0256 J	0.000314 J
MW-5	<0.002	0.00108 J	0.0336	<0.002	<0.001	0.000619 J	<0.005	<0.0020	<0.1	0.000347 J
MW-6	<0.002	0.00103 J	0.0473	<0.002	0.000442 J	<0.002	0.000968 J	<0.0020	<0.1	<0.002
Dupe (MW-6)	0.000492 J	0.00107 J	0.0492	<0.002	0.00055 J	0.00189 J	<0.005	<0.0020	0.0479 J	0.000261 J
MW-7	0.000243 J	0.000859 J	0.0345	<0.002	<0.001	0.000749 J	0.0023 J	<0.0020	<0.1	<0.002
CAO-1	<0.002	**0.052**	0.297	<0.002	<0.001	<0.0020	0.0024 J	0.0264	**32**	0.000347 J
CAO-2	<0.002	0.00132 J	0.0716	<0.002	0.000993 J	<0.0020	0.00104 J	0.000884 J	0.0559 J	0.000417 J
CAO-3	0.000273 J	0.00106 J	0.0417	<0.002	0.000767 J	0.000612 J	0.0015 J	<0.0020	0.0909 J	0.00114 J
NAB-1	DNS	DNS	DNS	DNS	DNS	DNS	DNS	DNS	DNS	DNS
NAB-2	0.000242 J	0.00557	0.0507	<0.002	<0.001	0.00109 J	0.000874 J	<0.0020	0.0681 J	0.000839 J
NAB-3	0.000795 J	0.0014 J	0.0372	<0.002	0.000442 J	0.00182 J	0.00231 J	0.000291 J	**0.506**	0.00142 J
NAB-4	0.000683 J	0.00338	0.0483	<0.002	0.00142	0.000790 J	0.0027 J	0.000579 J	0.0411 J	0.000659 J
NAB-7	0.000327 J	0.00283	0.0346	<0.002	<0.001	<0.002	0.00109 J	0.000587 J	0.12	0.00232
NAB-8	0.000327 J	0.00479	0.0306	<0.002	<0.001	<0.002	0.00111 J	<0.0020	0.031 J	0.000326 J
MW-509D	<0.002	0.000864 J	0.0292	<0.002	0.00393	0.000925 J	0.00117 J	<0.0020	0.072 J	0.000602 J
MW-633D	0.000307 J	0.00127 J	0.0414	<0.002	0.00158	0.00147 J	0.00135 J	<0.0020	0.0406 J	0.000403 J
MW-577	<0.002	0.00196 J	0.0247	<0.002	<0.001	0.00144 J	0.00119 J	<0.0020	0.189	0.000694 J
MW-689D	0.0003 J	0.00135 J	0.0277	<0.002	<0.001	0.000602 J	0.000988 J	0.000282 J	0.125	0.00087 J
NE-2	0.000359 J	0.00377	0.0246	<0.002	0.000309 J	0.00151 J	0.00427 J	0.00157 J	**1.02**	0.00134 J
NE-3	0.000833 J	0.00281	0.131	<0.002	0.000449 J	0.00893	0.00213 J	0.00206	**1.21**	0.00393
NE-6	0.0004 J	0.00108 J	0.030	<0.002	0.000509 J	0.00405	<0.005	0.000269 J	0.0848 J	0.000881 J
Spring A	0.00052 J	0.00142 J	0.0328	<0.002	0.000396 J	0.00162 J	<0.005	<0.002	**0.516**	0.00134 J
Spring B	0.000395 J	0.00116 J	0.106	<0.002	0.000187 J	<0.002	0.00113 J	0.0011J	**0.134**	0.000494 J
TSP-3	0.000347 J	0.000827 J	0.0864	<0.002	<0.001	<0.002	0.00181 J	<0.002	0.0636 J	0.000308 J
TSP-4	0.000463 J	0.000799 J	0.0562	<0.002	<0.001	<0.002	<0.005	<0.002	0.0536 J	0.000935 J
SP-NE-3	0.00066 J	0.0045	0.0321	0.000145 J	<0.001	0.00369	0.00302 J	0.00127 J	**3.73**	0.0124
Class I Draw Sp	0.000498 J	0.00321	0.0507	<0.002	<0.001	0.002	0.00324 J	0.00114 J	**2.09**	0.00465
Class IV Draw Sp	0.000601 J	0.00145 J	0.0538	<0.002	0.000436 J	0.000814 J	<0.005	0.000799 J	**0.655**	0.00274
SP-7	0.000580 J	0.0025	0.045	<0.002	<0.001	0.00108 J	0.00152 J	0.000657 J	**1.33**	0.00233
Landfill Ent Seep	0.000688 J	0.00971	0.0781	0.00035 J	0.000267 J	0.0051	0.0065	0.005	**6.77**	**0.0179**
Field Blank	0.000795 J	0.000564 J	<0.005	<0.002	<0.001	<0.002	<0.005	<0.002	<0.1	<0.002
LEACHATE	0.000822 J	0.00586	**2.62**	<0.002	<0.001	0.00271	<0.005	0.00594	**32.4**	<0.002
EPA Standards	***0.006****	***0.01****	***2****	***0.004****	***0.005****	***0.1****	***1.3****	---	***0.3*****	***0.015****

*Primary Drinking Water Standard-Maximum Contaminant Level (MCL)

**Secondary Drinking Water Standard (SDWS)

"J" Value= estimated concentration above the MDL but below the PQL

Values in **bold** exceed applicable EPA Standards. DNS = Did Not Sample

TABLE 4 (CONT'D)
INORGANIC GROUNDWATER QUALITY RESULTS

WELL ID	Mn (mg/L)	Ni (mg/L)	Se (mg/L)	Ag (mg/L)	Tl (mg/L)	Sn (mg/L)	V (mg/L)	Zn (mg/L)
MW-1	**0.789**	0.0581	<0.002	<0.002	<0.002	0.000368 J	0.000836 J	0.163
MW-1R	**0.528**	0.0768 B	<0.002	<0.002	**0.00203**	0.000461 J	0.0023 J	1.65
MW-2	0.0142	0.00066 J	<0.002	<0.002	<0.002	<0.002	0.000885 J	0.00838 J
MW-3	**2.2**	0.0556	<0.002	<0.002	<0.002	<0.002	0.000668 J	0.0316
MW-4	0.00179 J	0.000995 J	<0.002	<0.002	<0.002	<0.002	0.000594 J	0.0964
MW-5	0.000971 J	0.00159 J	<0.002	<0.002	<0.002	<0.002	0.00073 J	0.025
MW-6	0.00101 J	0.000725 J	<0.002	<0.002	<0.002	<0.002	0.000655 J	0.0401
Dupe (MW-6)	0.00171 J	0.000956 J	<0.002	<0.002	<0.002	0.000379 J	0.000696 J	0.0418
MW-7	0.0097	0.00079 J	<0.002	<0.002	<0.002	<0.002	0.000684 J	0.0042 J
CAO-1	**2.42**	0.0349	<0.002	<0.002	<0.002	0.000658 J	0.00144 J	0.0112 J
CAO-2	**1.2**	0.0211	<0.002	<0.002	0.000411 J	<0.0020	0.000785 J	0.0212 J
CAO-3	0.00577	0.00241	<0.002	<0.002	<0.002	<0.002	0.000997 J	0.0275
NAB-1	DNS	DNS	DNS	DNS	DNS	DNS	DNS	DNS
NAB-2	0.017	0.00308	<0.002	<0.002	<0.002	0.000313 J	0.000709 J	0.0371
NAB-3	0.0316	0.00228	<0.002	<0.002	<0.002	<0.002	0.00199 J	0.0963
NAB-4	0.00768	0.0102	<0.002	<0.002	0.000453 J	0.000353 J	0.000604 J	0.482
NAB-7	0.00603	0.00468	<0.002	<0.002	<0.002	<0.002	0.000835 J	0.0368
NAB-8	0.0069	<0.0020	<0.002	<0.002	<0.002	<0.002	0.000669 J	0.00319 J
MW-509D	0.00338 J	0.00114 J	<0.002	<0.002	<0.002	<0.002	0.00131 J	0.366
MW-633D	0.00312 J	0.00352	<0.002	<0.002	<0.002	<0.002	0.000887 J	0.268
MW-577	0.00749	0.00097 J	<0.002	<0.002	<0.002	<0.002	0.000934 J	<0.025
MW-689D	0.0143	0.000766 J	<0.002	<0.002	<0.002	<0.002	0.000913 J	0.00332 J
NE-2	**0.0591**	0.0125	0.000488 J	<0.002	<0.002	0.000467 J	0.00233 J	0.248
NE-3	**0.0768**	0.0102	<0.002	<0.002	<0.002	0.000676 J	0.0027 J	0.0854
NE-6	0.00476 J	0.00499	<0.002	<0.002	<0.002	<0.002	0.000702 J	0.627
Spring A	0.0175	0.00142 J	<0.002	<0.002	<0.002	<0.002	0.00193 J	0.0364
Spring B	**0.141**	0.00585	<0.002	<0.002	<0.002	0.000348 J	0.00089 J	0.0156 J
TSP-3	0.0265	0.000542 J	<0.002	<0.002	<0.002	0.000353 J	0.000791 J	0.00302 J
TSP-4	0.00489 J	<0.0020	<0.002	<0.002	<0.002	<0.002	0.000968 J	0.00468 J
SP-NE-3	0.0164	0.00358	<0.002	<0.002	<0.002	0.000579 J	0.00743	0.0522
Class I Draw Sp	**0.149**	0.00414	<0.002	<0.002	<0.002	0.000393 J	0.00383 J	0.0335
Class IV Draw Sp	**0.328**	0.00153 J	<0.002	<0.002	<0.002	<0.002	0.00162 J	0.0184 J
SP-7	**0.123**	0.00217	<0.002	<0.002	<0.002	<0.002	0.00272 J	0.0291
Landfill Ent Seep	**1.11**	0.00572	0.000383 J	<0.002	<0.002	0.000497 J	0.011	0.0957
Field Blank	<0.005	<0.002	<0.002	<0.002	<0.002	<0.002	0.000455 J	<0.025
LEACHATE	**1.16**	0.0396 B	0.000431 J	<0.002	<0.002	0.00469	0.0015 J	0.0034 J
EPA Standards	***0.05*** **	*---*	***0.05****	***0.1*** **	***0.002****	*---*	*---*	***5*** **

*Primary Drinking Water Standard-Maximum Contaminant Level (MCL)

**Secondary Drinking Water Standard (SDWS)

"J" Value= estimated concentration above the MDL but below the PQL

Values in **bold** exceed applicable EPA Standards.

DNS = Did Not Sample

TABLE 5
VOLATILE ORGANIC GROUNDWATER QUALITY RESULTS

WELL ID	Benzene (ug/L)	ClEthane (ug/L)	1,1-DCA (ug/L)	cisDCEE (ug/L)	Clbenzene (ug/L)	1,4-DCB (ug/L)	1,2-DCE (ug/L)	1,1-DCEE (ug/L)	TCE (ug/L)	VC (ug/L)	Acetone (ug/L)	MEK (ug/L)
MW-1	1.06	1.09 J	11.6	7.83	1.00	1.81	0.453 J	<1	0.805 J	1.71	<50	<15
MW-1R	1.19	3.25 J	16.2	9.65	0.850 J	<1	0.466 J	<1	0.987 J	**3.18**	<50	<15
MW-2	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
MW-3	<1	<5	0.452 J	<1	<1	<1	<1	<1	<1	<1	143	6.06 J
MW-4	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
MW-5	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
MW-6	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
Dupe (MW-6)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
MW-7	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
CAO-1	2.80	1.62 J	4.31	0.883 J	0.644 J	<1	<1	<1	<1	1.59	<50	<15
CAO-2	<1	<5	0.270 J	<1	<1	<1	<1	<1	<1	<1	<50	<15
CAO-3	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
NAB-1	DNS	DNS	DNS	DNS	DNS	DNS	DNS	DNS	DNS	DNS	DNS	<15
NAB-2	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
NAB-3	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
NAB-4	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
NAB-7	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
NAB-8	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
MW-509D	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
MW-577	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
MW-633D	<1	<5	1.89	0.506 J	<1	<1	<1	<1	<1	<1	<50	<15
MW-689D	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
NE-2	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
NE-3	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
NE-6	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
Spring A	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
Spring B	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
TSP-3	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
TSP-4	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
SP-NE-3	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
Class I Draw Sp	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
Class IV Draw Sp	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
SP-7	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
Landfill Ent Seep	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
Field Blank	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
Trip Blank	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
Equipment Blank	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<50	<15
LEACHATE	<1	0.463 J	<1	<1	<1	0.711 J	<1	0.362 J	<1	<1	<50	<15
EPA Standards	***5***	---	---	***70***	***75***	***75***			***5***	***2***	---	

EPA standards depicted above are Primary Drinking Water Standard MCLs.

"J" Value= estimated concentration above the MDL but below the PQL

Values in **bold** exceed applicable EPA Standards.

DNS = Did Not Sample

4.0 CONCLUSION

Based on the results of the Fourth Quarter 2015 Assessment Monitoring and analytical testing, CRC reached the following conclusions:

Groundwater Flow:

- ***FIGURE 2*** *represents a potentiometric surface map constructed from water levels measured during the Fourth Quarter 2015 Assessment Monitoring event. As indicated, groundwater within the uppermost aquifer was found to flow in a west-northwesterly direction in the Area 1-2 portion of the site. This flow relationship is consistent with the flow direction indicated by historical water level measurements. The groundwater flow direction in the Area 1-3 portion of the site is to the east-southeast. The average linear velocity in Area 1-2 is estimated at* $5.44x10^{-4}$ *cm/sec or 1.5 ft/day. The average linear velocity in Area 1-3 is estimated at* $1.3x10^{-3}$ *cm/sec or 3.7 ft/day.*

Analytical Results:

- *A QA/QC comparison for the Fourth Quarter 2015 Assessment Monitoring event is presented in* ***TABLES 4*** *and* ***5****. The well sample reported "J" value detections for mercury and copper that were reported as non-detect in the duplicate sample. Conversely, the duplicate sample had reported "J" value detections for cadmium, iron, tin, and lead that were reported as non-detect for the well sample. The two samples also reported differing levels of TOC, both over the PQL. The field, trip and equipment blanks had no VOC detections during the Fourth Quarter 2015 Assessment Monitoring event.*

- *Primary Drinking Water Standard MCL exceedances noted for well samples consisted of arsenic at MW-1, MW-1R and CAO-1 and vinyl chloride, lead, and thallium at MW-1R (see* ***TABLE 4****) during the Fourth Quarter 2015 Assessment Monitoring event.*

- *As shown in* ***TABLE 5****, Appendix 1 volatile organic compound (VOC) detections in well samples above the PQL consisted of the following:*
  - ***MW-1 –*** *benzene, 1,1-dichloroethane, cis-1,2-dichloroethylene, chlorobenzene, 1,4-dichlorobenzene, and vinyl chloride*
  - ***MW-1R*** *– benzene, 1,1-dichloroethane, cis-1,2-dichloroethylene, and vinyl chloride*
  - ***CAO-1*** *- 1,1-dichloroethane, benzene, and vinyl chloride*
  - ***MW-633D*** *- 1,1-dichloroethane*

Statistical Evaluation:

- *The results of the assessment monitoring statistical evaluations indicated the concentrations of the following parameters at the following wells, statistically exceeded the established groundwater protection standards (**TABLE 3**).*

MONITORING POINT	AMC CONSTITUENT
CAO-1	arsenic
MW-1R	1,1-Dichloroethane, arsenic, nickel, cobalt

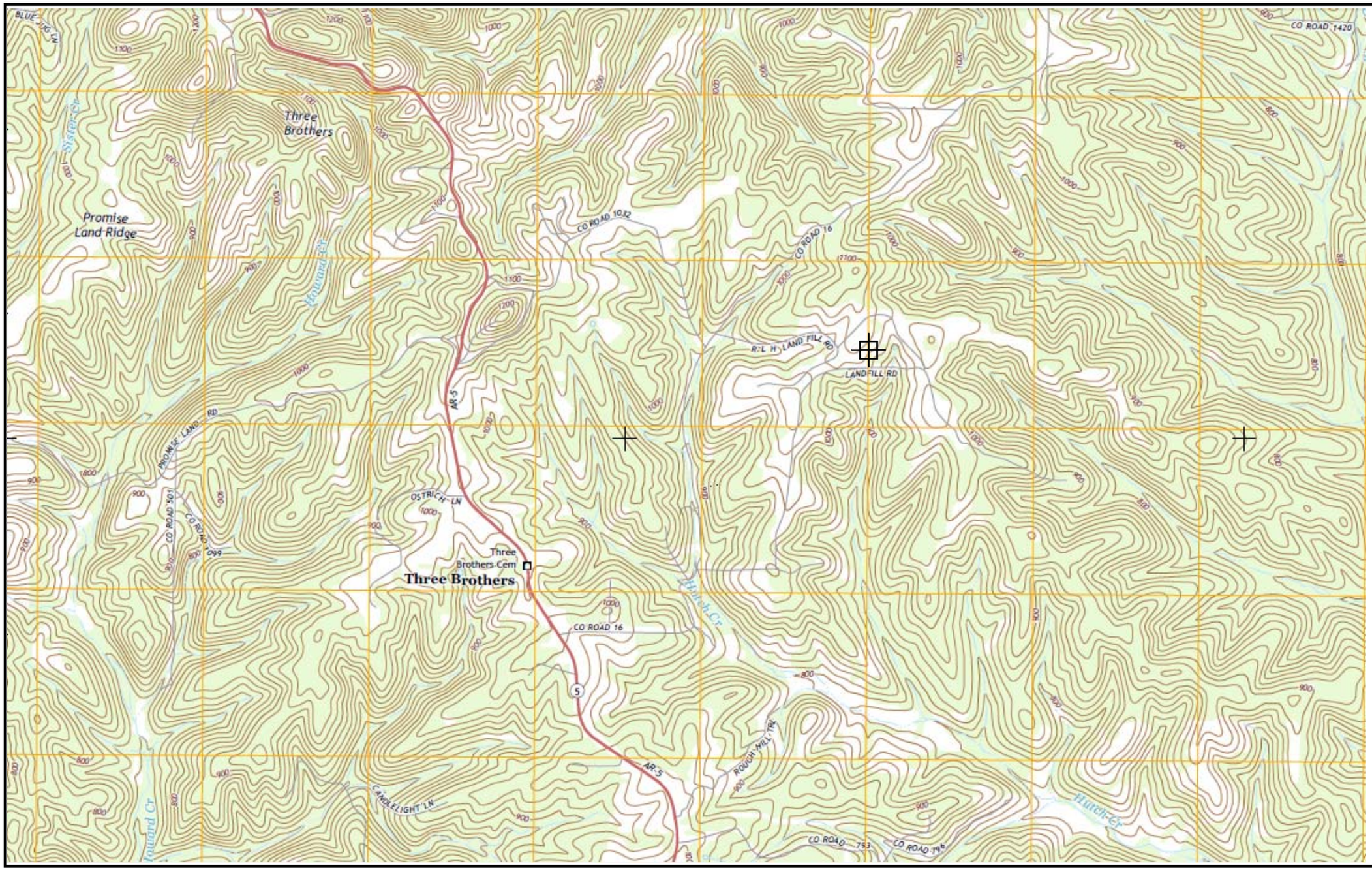
- *The results of the Fourth Quarter 2015 Sampling Event indicate that AMC constituent concentrations statistically exceed the GWPS at sample points CAO-1 and MW-1R*

- *In accordance with Regulation 12.1205(d)(4), an Assessment of Corrective Measures Report (June 2015, Document 67822) was submitted to ADEQ for approval.*

- *The next quarterly sampling event is scheduled for March 2016.*

APPENDIX A

FIGURES



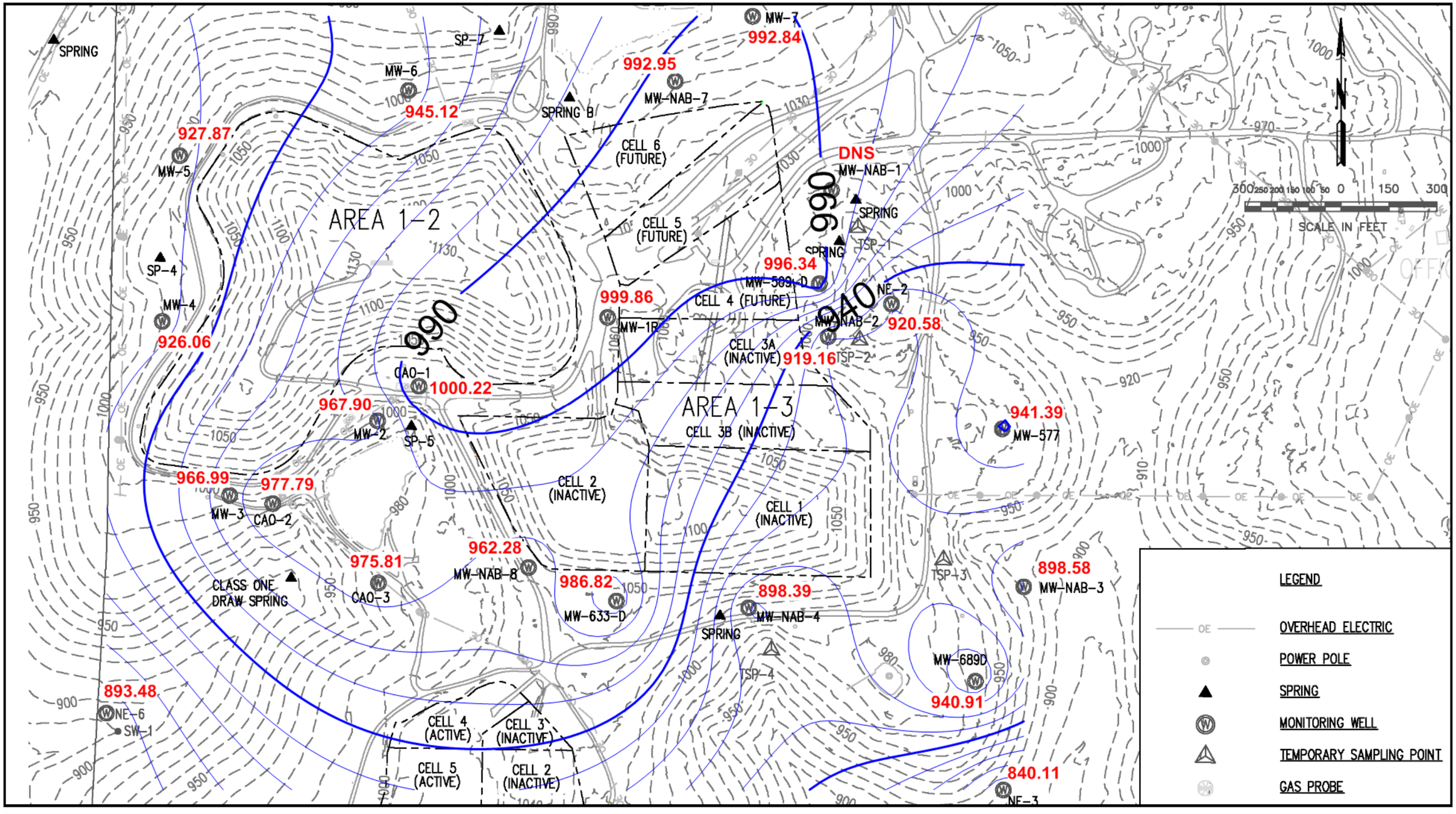
CHIMNEY ROCK CONSULTING
7529 Counts Massie Road, North Little Rock, AR 72113
501-812-4551
Quality Groundwater & Environmetal Consulting

Site Location Map
NABORS Landfill
Baxter County, Three Brothers, AR

FIGURE 1

Date: 1/15/15

By: RWF



CHIMNEY ROCK CONSULTING
7529 Counts Massie Road, North Little Rock, AR 72113
501-812-4551
Quality Groundwater & Environmetal Consulting

POTENTIOMETRIC MAP - 4TH QUARTER 2015

NABORS LANDFILL FACILITY

BAXTER COUNTY ARKANSAS

FIGURE 2

Date: 1/15/16

By: RWF

APPENDIX B

GROUNDWATER SAMPLING RECORDS

Field Groundwater Sampling Record

Facility NABORS **Date** 12/14/2015 **Well No**. MW-1R

Sampling Personnel Darren Motley

Casing Diameter 2.0" **Condition of well** o.k. **Locked?** NO

Well Depth 78.55 **DTW (from TOC)** 69.71 **Volume H2O in well** 1.4

Other Information

Grundfos-pump: Cloudy 20 mph wind 45°F. Start Purging at 1409

Date	Time	Volume (gallons)	pH (SU)	Temp (ºC)	D.O. (mg/L)	ORP (mV)	S.C (µSm)	Turbidity (NTU)
12/14/2015	1413	1.5	7.27	17.3	1.34	46.7	1546	>1000
	1417	3.0	7.36	16.9	1.90	38.7	1531	924
	1421	4.5	7.53	16.8	2.03	26.2	1540	135
	1425	6.0	7.46	16.8	2.02	24.8	1538	95.3
	1431	9.0	7.50	16.8	2.09	17.2	1535	81.2
	1438	12.0	7.50	16.8	2.48	9.7	1564	43.4
	1451	18.0	7.54	16.8	2.62	-0.9	1555	29.3
		DRY						
12/15/2015	0705		8.29	13.1	3.47	61.8	1531	30.1

Sampling Date & Time 12/15/2015 @ 0705

Notes

Field Groundwater Sampling Record

Facility NABORS **Date** 12/15/2015 **Well No**. MW-1

Sampling Personnel Darren Motley

Casing Diameter 2.0" **Condition of well** o.k. **Locked?** yes

Well Depth 77.2 **DTW (from TOC)** 68.74 **Volume H2O in well** 1.3

Other Information

Grundfos-pump: Sunny 10 mph wind 65°F. Start Purging at 1331

Date	Time	Volume (gallons)	pH (SU)	Temp (ºC)	D.O. (mg/L)	ORP (mV)	S.C (µSm)	Turbidity (NTU)
12/15/2015	1336	1.5	7.71	16.4	1.16	71.4	1704	18.9
	1338	3.0	7.65	16.4	1.11	65.5	1693	18.5
	1341	4.5	7.71	16.8	1.29	57.3	1709	38.1
	1345	6.0	7.63	17.2	0.60	47.6	1711	10.2

Sampling Date & Time 12/15/2015 @ 1345

Notes

Field Groundwater Sampling Record

Facility NABORS **Date** 12/15/2015 **Well No**. MW-2

Sampling Personnel Darren Motley

Casing Diameter 2.0" **Condition of well** o.k. **Locked?** Yes

Well Depth 49.10 **DTW (from TOC)** 33.31 **Volume H2O in well** 2.5

Other Information

Grundfos-pump; 60°F, Sunny, 5 mph wind. Start purging @ 1445

Date	Time	Volume (gallons)	pH (SU)	Temp (ºC)	D.O. (mg/L)	ORP (mV)	S.C (µSm)	Turbidity (NTU)
12/15/2015	1452	2.5	8.54	16.7	1.57	28.0	601	20.8
	1454	5.0	8.58	16.7	0.58	15.0	619	12.3
	1457	7.5	5.54	16.8	0.36	16.8	624	5.71

Sampling Date & Time 12/15/2015 @ 1457

Notes

Field Groundwater Sampling Record

Facility NABORS **Date** 12/15/2015 **Well No**. MW-3

Sampling Personnel Darren Motley

Casing Diameter 2.0" **Condition of well** o.k. **Locked?** Yes

Well Depth 34.6 ft **DTW (from TOC)** 27.49 **Volume H2O in well** 1.1

Other Information

Grundfos-pump; 5 mph wind. Sunny 55°F Start purging @ 1532

Date	Time	Volume (gallons)	pH (SU)	Temp (°C)	D.O. (mg/L)	ORP (mV)	S.C (µSm)	Turbidity (NTU)
12/15/2015	1533	1.0	8.18	8.18	0.95	-3.7	684	18.2
	1535	2.0	7.92	7.92	0.65	-2.6	717	1.66
	1537	3.0	7.82	17.1	0.67	-3.1	738	0.97

Sampling Date & Time 12/15/15 @ 1537

Notes

Field Groundwater Sampling Record

Facility NABORS **Date** 12/15/2015 **Well No**. MW-4

Sampling Personnel Darren Motley

Casing Diameter 2.0" **Condition of well** o.k. **Locked?** Yes

Well Depth 100.60 ft **DTW (from TOC)** 86.05 **Volume H2O in well** 2.3

Other Information

Grundfos-pump; 10 mph wind. Sunny 55°F Start purging @ 1551

Date	Time	Volume (gallons)	pH (SU)	Temp (°C)	D.O. (mg/L)	ORP (mV)	S.C (µSm)	Turbidity (NTU)
12/15/2015	1558	2.5	8.3	15.8	5.42	-2.2	651	192
	1602	5.0	8.34	16.0	5.43	-3.6	647	88.2
	1606	7.5	8.37	15.7	5.52	-4.8	636	28.7
	1609	10.0	8.35	15.7	5.44	-3.2	644	8.39

Sampling Date & Time 12/15/2015 @ 1609

Notes

Field Groundwater Sampling Record

Facility NABORS **Date** 12/16/2015 **Well No**. MW-5

Sampling Personnel Darren Motley

Casing Diameter 2.0" **Condition of well** o.k. **Locked?** Yes

Well Depth 89.75 ft **DTW (from TOC)** 76.51 **Volume H2O in well** 2.1

Other Information

Grundfos-pump; 5 mph wind. Sunny 55°F Start purging @ 0701

Date	Time	Volume (gallons)	pH (SU)	Temp (°C)	D.O. (mg/L)	ORP (mV)	S.C (µSm)	Turbidity (NTU)
12/16/2015	0707	2.0	9.64	14.8	5.10	26.5	706	17.3
	0710	4.0	9.36	15.0	5.06	26.9	714	11.2
	0713	6.0	9.18	15.0	4.94	26.0	714	5.46

Sampling Date & Time 12/16/2015 @ 0713

Notes

Field Groundwater Sampling Record

Facility NABORS **Date** 12/16/2015 **Well No**. MW-6

Sampling Personnel Darren Motley

Casing Diameter 2.0" **Condition of well** o.k. **Locked?** Yes

Well Depth 68.90 ft **DTW (from TOC)** 55.26 **Volume H2O in well** 2.2

Other Information

Grundfos-pump; 5 mph wind. Cloudy 60°F Start purging @ 0730

Date	Time	Volume (gallons)	pH (SU)	Temp (°C)	D.O. (mg/L)	ORP (mV)	S.C (µSm)	Turbidity (NTU)
12/16/2015	0738	2.5	9.10	14.2	0.61	36.3	729	8.15
	0742	5.0	8.95	14.2	0.51	35.7	729	3.12
	0746	7.5	8.88	14.2	0.50	35.2	730	4.06

Sampling Date & Time 12/16/2015 @ 0746

Notes FB @ 0755; Dupe @ 0750; EB @ 0800; TB @ 0805.

Field Groundwater Sampling Record

Facility NABORS **Date** 12/15/2015 **Well No**. MW-7

Sampling Personnel Darren Motley

Casing Diameter 2.0" **Condition of well** o.k. **Locked?** Yes

Well Depth 23.0 ft **DTW (from TOC)** 6.82 **Volume H2O in well** 2.6

Other Information

Grundfos-pump; 5 mph wind. Sunny 65°F Start purging @ 1246

Date	Time	Volume (gallons)	pH (SU)	Temp (°C)	D.O. (mg/L)	ORP (mV)	S.C (µSm)	Turbidity (NTU)
12/15/2015	**1249**	**3.0**	**8.60**	**15.1**	**2.62**	**23.3**	**552**	**5.43**
	1253	**6.0**	**8.42**	**15.2**	**2.07**	**23.2**	**557**	**1.13**
	1257	**9.0**	**8.38**	**15.2**	**2.01**	**22.3**	**558**	**0.42**

Sampling Date & Time 12/15/2015 @ 1257

Notes

Field Groundwater Sampling Record

Facility NABORS **Date** 12/16/2015 **Well No**. CAO-1

Sampling Personnel Darren Motley

Casing Diameter 2.0" **Condition of well** o.k. **Locked?** Yes

Well Depth 37.0 ft **DTW (from TOC)** 26.18 **Volume H2O in well** 1.7 gal

Other Information

Grundfos-pump; 10 mph wind. Sunny 50°F Start purging @ 0810

Date	Time	Volume (gallons)	pH (SU)	Temp (°C)	D.O. (mg/L)	ORP (mV)	S.C (µSm)	Turbidity (NTU)
12/16/2015	**0811**	**2.0**	**7.85**	**16.5**	**1.24**	**39.4**	**1353**	**32.3**
	0813	**4.0**	**7.72**	**16.6**	**0.94**	**30.7**	**1377**	**3.79**
	0815	**6.0**	**7.71**	**16.6**	**0.78**	**23.0**	**1416**	**2.81**

Sampling Date & Time 12/16/2015 @ 0815

Notes

Field Groundwater Sampling Record

Facility NABORS **Date** 12/15/2015 **Well No**. CAO-2

Sampling Personnel Darren Motley

Casing Diameter 2.0" **Condition of well** o.k. **Locked?** Yes

Well Depth 39.65 ft **DTW (from TOC)** 2101 **Volume H2O in well** 3.0

Other Information

Grundfos-pump; 10 mph wind. Sunny 60°F Start purging @ 1509

Date	Time	Volume (gallons)	pH (SU)	Temp (ºC)	D.O. (mg/L)	ORP (mV)	S.C (µSm)	Turbidity (NTU)
12/15/2015	1516	3.0	8.30	17.1	0.67	36.1	621	6.50
	1519	6.0	8.16	17.2	0.55	36.3	617	4.71
	1523	9.0	8.10	17.2	0.51	35.0	615	3.81

Sampling Date & Time 12/15/2015 @ 1523

Notes

Field Groundwater Sampling Record

Facility NABORS **Date** 12/15/2015 **Well No**. CAO-3

Sampling Personnel Darren Motley

Casing Diameter 2.0" **Condition of well** o.k. **Locked?** Yes

Well Depth 23.0 ft **DTW (from TOC)** 8.39 **Volume H2O in well** 2.3

Other Information

Grundfos-pump; 5 mph wind. Sunny 65°F Start purging @ 1403

Date	Time	Volume (gallons)	pH (SU)	Temp (ºC)	D.O. (mg/L)	ORP (mV)	S.C (µSm)	Turbidity (NTU)
12/15/2015	1410	2.5	8.72	16.4	1.17	-2.4	431	39.8
	1423	5.0	8.36	15.6	0.87	1.3	441	73.6
	1426	7.5	8.33	15.6	0.80	1.7	440	9.63

Sampling Date & Time 12/15/2015 @ 1426

Notes

Field Groundwater Sampling Record

Facility NABORS **Date** 12/16/2015 **Well No**. NAB-1

Sampling Personnel Darren Motley

Casing Diameter 2.0" **Condition of well** o.k. **Locked?** Yes

Well Depth 100.0 ft **DTW (from TOC)** **Volume H2O in well**

Other Information

DID NOT SAMPLE; well damaged about 68 ft down.

Date	Time	Volume (gallons)	pH (SU)	Temp (°C)	D.O. (mg/L)	ORP (mV)	S.C (µSm)	Turbidity (NTU)

Sampling Date & Time

Notes

Field Groundwater Sampling Record

Facility NABORS **Date** 12/15/2015 **Well No**. NAB-2

Sampling Personnel Darren Motley

Casing Diameter 2.0" **Condition of well** o.k. **Locked?** yes

Well Depth 93.0 ft **DTW (from TOC)** 74.82 **Volume H2O in well** 2.9

Other Information

Grundfos-pump. Sunny 55°F, 5 mph wind. Start purging @ 1051

Date	Time	Volume (gallons)	pH (SU)	Temp (ºC)	D.O. (mg/L)	ORP (mV)	S.C (µSm)	Turbidity (NTU)
12/15/2015	1058	3.0	8.72	15.7	1.34	23.9	692	17.6
	1106	6.0	8.57	16.0	0.81	17.2	708	6.69
	1114	9.0	8.55	15.9	0.77	16.6	710	5.43

Sampling Date & Time 12/15/2015 @ 1114

Notes

Field Groundwater Sampling Record

Facility NABORS **Date** 12/15/2015 **Well No**. NAB-3

Sampling Personnel Darren Motley

Casing Diameter 2.0" **Condition of well** o.k. **Locked?** Yes

Well Depth 47.0 ft **DTW (from TOC)** 22.91 **Volume H2O in well** 3.9

Other Information

Grundfos-pump; 5 mph wind. Sunny 34°F Start purging @ 0750

Date	Time	Volume (gallons)	pH (SU)	Temp (ºC)	D.O. (mg/L)	ORP (mV)	S.C (µSm)	Turbidity (NTU)
12/15/2015	0758	4.0	9.20	15.4	4.03	-18.3	559	68.5
	0805	8.0	8.99	15.7	2.59	-11.2	577	55.0
	0810	12.0	8.91	15.7	3.26	-10.9	548	51.3
	0817	16.0	8.85	15.7	4.06	-8.3	550	33.2
	0824	20.0	8.81	15.7	4.04	-6.7	555	12.3

Sampling Date & Time 12/15/2015 @ 0824

Notes

Field Groundwater Sampling Record

Facility NABORS **Date** 12/15/2015 **Well No**. NAB-4

Sampling Personnel Darren Motley

Casing Diameter 2.0" **Condition of well** o.k. **Locked?** Yes

Well Depth 132.0 **DTW (from TOC)** 105.81 **Volume H2O in well** 4.2

Other Information

Grundfos-pump; 5 mph wind. Sunny 60°F Start purging @ 1220

Date	Time	Volume (gallons)	pH (SU)	Temp (ºC)	D.O. (mg/L)	ORP (mV)	S.C (µSm)	Turbidity (NTU)
12/15/2015	**1225**	**4.0**	**8.44**	**16.3**	**0.93**	**27.8**	**628**	**40.7**
	1230	**8.0**	**8.31**	**16.1**	**0.95**	**28.2**	**633**	**9.80**
	1235	**12.0**	**8.25**	**16.1**	**0.88**	**27.1**	**638**	**6.89**

Sampling Date & Time 12/15/2015 @ 1235

Notes

Field Groundwater Sampling Record

Facility NABORS **Date** 12/15/2015 **Well No**. NAB-7

Sampling Personnel Darren Motley

Casing Diameter 2.0" **Condition of well** o.k. **Locked?** Yes

Well Depth 44.0 ft **DTW (from TOC)** 19.41 **Volume H2O in well** 4.0

Other Information

Grundfos-pump; 5 mph wind. Sunny 65°F Start purging @ 1305

Date	Time	Volume (gallons)	pH (SU)	Temp (ºC)	D.O. (mg/L)	ORP (mV)	S.C (µSm)	Turbidity (NTU)
12/15/2015	**1314**	**4.0**	**8.45**	**15.9**	**1.02**	**24.7**	**535**	**40.0**
	1318	**8.0**	**8.40**	**15.9**	**0.72**	**22.2**	**543**	**4.08**
	1322	**12.0**	**8.38**	**15.9**	**0.62**	**20.1**	**544**	**1.18**

Sampling Date & Time 12/15/2015 @ 1322

Notes

Field Groundwater Sampling Record

Facility NABORS **Date** 12/14/2015 **Well No**. NAB-8

Sampling Personnel Darren Motley

Casing Diameter 2.0" **Condition of well** o.k. **Locked?** Yes

Well Depth 95.0 ft **DTW (from TOC)** 76.93 **Volume H2O in well** 2.9

Other Information

Grundfos-pump; Sunny 40°F, 30 mph wind.

Sampled with bailer

Date	Time	Volume (gallons)	pH (SU)	Temp (ºC)	D.O. (mg/L)	ORP (mV)	S.C (µSm)	Turbidity (NTU)
12/14/2015	**1255**	**2.0**	**5.12**	**13.8**	**5.85**	**189.7**	**652**	**4.15**
		Dry @ 2.0						
12/15/2015	**0645**		**9.36**	**10.9**	**6.73**	**190.2**	**6.61**	**10.8**

Sampling Date & Time 12/15/2015 @ 0645

Notes

Field Groundwater Sampling Record

Facility NABORS **Date** 12/15/2015 **Well No**. MW-509D

Sampling Personnel Darren Motley

Casing Diameter 2.0" **Condition of well** o.k. **Locked?** Yes

Well Depth 39.65 ft **DTW (from TOC)** 17.86 **Volume H2O in well** 3.5

Other Information

Grundfos-pump; 5 mph wind. Sunny 55°F. Start purging @ 1146

Date	Time	Volume (gallons)	pH (SU)	Temp (ºC)	D.O. (mg/L)	ORP (mV)	S.C (µSm)	Turbidity (NTU)
12/15/2015	1154	3.5	9.0	17.5	4.78	5.4	535	102
	1204	7.0	8.70	17.5	4.66	8.0	534	12.3
	1214	10.5	8.63	17.4	4.58	9.6	532	8.03

Sampling Date & Time 12/15/2015 @ 1214

Notes

Field Groundwater Sampling Record

Facility NABORS **Date** 12/15/2015 **Well No**. MW-577

Sampling Personnel Darren Motley

Casing Diameter 2.0" **Condition of well** o.k. **Locked?** Yes

Well Depth 55.6 ft **DTW (from TOC)** 41.21 **Volume H2O in well** 2.3

Other Information

Grundfos-pump; 5 mph wind. Sunny 45°F Start purging @ 1000

Date	Time	Volume (gallons)	pH (SU)	Temp (ºC)	D.O. (mg/L)	ORP (mV)	S.C (µSm)	Turbidity (NTU)
12/15/2015	1006	2.5	9.17	15.9	1.33	8.0	687	31.0
	1009	5.0	9.03	16.0	0.90	5.7	679	11.1
	1012	7.5	8.92	16.0	0.69	6.7	679	8.61

Sampling Date & Time 12/15/2015 @ 1012

Notes

Field Groundwater Sampling Record

Facility NABORS **Date** 12/14/2015 **Well No**. MW-633D

Sampling Personnel Darren Motley

Casing Diameter 2.0" **Condition of well** o.k. **Locked?** Yes

Well Depth 87.92 ft **DTW (from TOC)** 63.28 **Volume H2O in well** 4.0

Other Information

Grundfos-pump; 10 mph wind. Cloudy 50°F Start purging @ 1615

Date	Time	Volume (gallons)	pH (SU)	Temp (ºC)	D.O. (mg/L)	ORP (mV)	S.C (µSm)	Turbidity (NTU)
12/14/2015	1626	4.0	8.33	16.4	1.22	-31.0	736	55.4
	1630	8.0	8.27	16.4	1.19	-27.2	737	21.8
	1635	12.0	8.27	16.4	1.09	-25.7	737	6.33

Sampling Date & Time 12/14/2015 @ 1635

Notes

Field Groundwater Sampling Record

Facility NABORS **Date** 12/15/2015 **Well No**. MW-689D

Sampling Personnel Darren Motley

Casing Diameter 2.0" **Condition of well** o.k. **Locked?** Yes

Well Depth 44.45 ft **DTW (from TOC)** 25.29 **Volume H2O in well** 3.1

Other Information

Grundfos-pump; 5 mph wind. Sunny 50°F Start purging @ 1025

Date	Time	Volume (gallons)	pH (SU)	Temp (ºC)	D.O. (mg/L)	ORP (mV)	S.C (µSm)	Turbidity (NTU)
12/15/2015	1029	3.0	8.96	16.5	0.73	13.8	656	79.5
	1032	6.0	8.84	16.5	0.43	8.3	668	17.4
	1035	9.0	8.76	16.5	0.38	5.3	671	5.38

Sampling Date & Time 12/15/2015 @ 1035

Notes

Field Groundwater Sampling Record

Facility NABORS **Date** 12/14/2015 **Well No**. NE-2

Sampling Personnel Darren Motley

Casing Diameter 2.0" **Condition of well** o.k. **Locked?** Yes

Well Depth 64.0 ft **DTW (from TOC)** 56.40 **Volume H2O in well** 1.2

Other Information

Disposable Bailer; Sunny 45°F

Date	Time	Volume (gallons)	pH (SU)	Temp (ºC)	D.O. (mg/L)	ORP (mV)	S.C (µSm)	Turbidity (NTU)
12/14/2015	**1330**	**1.0**	**6.45**	**13.6**	**5.28**	**145.1**	**2322**	**62.1**

Sampling Date & Time 12/14/2015 @ 1330

Notes

Field Groundwater Sampling Record

Facility NABORS **Date** 12/14/2015 **Well No**. NE-3

Sampling Personnel Darren Motley

Casing Diameter 2.0" **Condition of well** o.k. **Locked?** Yes

Well Depth 27.7 ft **DTW (from TOC)** 6.80 **Volume H2O in well** 3.4

Other Information

5 mph wind. Cloudy 40°F

Sampled with a bailer

Date	Time	Volume (gallons)	pH (SU)	Temp (°C)	D.O. (mg/L)	ORP (mV)	S.C (µSm)	Turbidity (NTU)
12/14/2015	**1311**	**3.5**	**6.57**	**13.7**	**5.72**	**117.1**	**604**	**340**
		Dry @ 5.0						
12/15/2015	**0726**		**9.13**	**12.6**	**5.89**	**19.6**	**615**	**21.8**

Sampling Date & Time 12/15/2015 @ 0726

Notes

Field Groundwater Sampling Record

Facility NABORS **Date** 12/14/2015 **Well No**. NE-6

Sampling Personnel Darren Motley

Casing Diameter 2.0" **Condition of well** o.k. **Locked?** Yes

Well Depth 18.15 ft **DTW (from TOC)** 5.61 **Volume H2O in well** 2.0

Other Information

Sunny, 55°, 5 mph wind, grunfos, start purging 1540

Date	Time	Volume (gallons)	pH (SU)	Temp (ºC)	D.O. (mg/L)	ORP (mV)	S.C (µSm)	Turbidity (NTU)
12/14/2015	1545	2.0	9.00	15.3	1.79	1.79	671	51.8
	1547	4.0	8.88	15.6	0.99	0.99	671	261
	1551	6.0	8.63	15.7	0.51	0.51	671	16.4
	1554	8.0	8.46	15.8	0.41	0.41	671	7.61

Sampling Date & Time 12/14/2015 @ 1554

Notes

Field Groundwater Sampling Record

Facility NABORS **Date** 12/16/2015 **Well No**. Leachate

Sampling Personnel Darren Motley

Casing Diameter NA **Condition of well** NA **Locked?** NA

Well Depth NA **DTW (from TOC)** NA **Volume H2O in well** NA

Other Information

Date	Time	Volume (gallons)	pH (SU)	Temp (ºC)	D.O. (mg/L)	ORP (mV)	S.C (µSm)	Turbidity (NTU)
12/16/2015	**0820**		**7.70**	**11.2**	**7.33**	**85.8**	**3617**	**88.6**

Sampling Date & Time 12/16/2015 @ 0820

Notes

Field Groundwater Sampling Record

Facility NABORS **Date** 12/15/2015 **Well No**. SPRINGS

Sampling Personnel Darren Motley

Casing Diameter NA **Condition of well** NA **Locked?** NA

Well Depth NA **DTW (from TOC)** NA **Volume H2O in well** NA

Other Information

SPRING	Date	Time	pH (SU)	Temp (ºF)	S.C (µSm)	Turbidity (NTU)
SP-NE-3	12/15/2015	0736	9.20	8.9	369	115
TSP-3	12/15/2015	0755	8.99	9.2	539	3.0
Landfill Entrance Seep	12/16/2015	0848	9.70	10.5	377	233
SP-7	12/16/2015	0900	9.49	10.6	335	33.3
Spring B	12/16/2015	0910	8.99	9.2	934	5.77
Spring A	12/16/2015	0915	9.42	11.8	418	9.91
Class I Draw SP	12/16/2015	0920	9.52	10.2	361	53.7
Class IV Draw SP	12/16/2015	0930	9.42	10.0	394	8.27
TSP-4	12/16/2015	1000	9.48	11.5	512	1.07

Notes

Field Groundwater Sampling Record

Facility NABORS **Date** 12/16/2015 **Well No**. Leachate Tanks

Sampling Personnel Darren Motley

Casing Diameter NA **Condition of well** NA **Locked?** NA

Well Depth NA **DTW (from TOC)** NA **Volume H2O in well** NA

Other Information

SPRING	Date	Time	pH (SU)	Temp (°F)	S.C (µSm)	Turbidity (NTU)
Tank 1	12/16/2015	1038	8.52	10.5	2527	197
Tank 2	12/16/2015	1052	8.46	10.2	6449	186
Tank 3	12/16/2015	1110	9.83	10.3	1331	24.3
Tank 4	12/16/2015	1124	9.21	11.1	3648	331
Tank 5	12/16/2015	1137	9.27	12.3	4015	329
Tank 6	12/16/2015	1152	9.80	11.1	1561	65.9
Tank 7	12/16/2015	1225	9.30	13.5	4049	231
Tank 8	12/16/2015	1212	9.52	11.4	3573	83.7

Notes

APPENDIX C

LABORATORY ANALYTICAL RESULTS

ANALYTICAL REPORT

December 30, 2015

Chimney Rock Consulting

Sample Delivery Group:	L807487
Samples Received:	12/17/2015
Project Number:	
Description:	Nabors Landfill

Report To:

Stacie Whitmer
7529 Counts Massie Road
North Little Rock, AR 72113

Entire Report Reviewed By:

Chris McCord
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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MW-1 L807487-01 GW

Collected by: Darren Motley
Collected date/time: 12/15/15 13:45
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG836805	1	12/21/15 01:28	12/21/15 03:32	JM
Mercury by Method 7470A	WG836890	1	12/22/15 16:47	12/23/15 08:52	BRJ
Metals (ICPMS) by Method 6020	WG836934	1	12/21/15 13:56	12/21/15 22:36	VSS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836763	1	12/28/15 10:32	12/28/15 10:32	JHH
Wet Chemistry by Method 4500S2 D-2011	WG836482	1	12/18/15 15:05	12/18/15 15:05	KBC
Wet Chemistry by Method 9012B	WG836521	1	12/18/15 15:00	12/21/15 09:58	ASK
Wet Chemistry by Method 9056A	WG836800	1	12/19/15 14:13	12/19/15 14:13	CM
Wet Chemistry by Method 9056A	WG836800	5	12/19/15 10:51	12/19/15 10:51	CM
Wet Chemistry by Method 9060A	WG836614	1	12/19/15 18:34	12/19/15 18:34	AS

MW-2 L807487-02 GW

Collected by: Darren Motley
Collected date/time: 12/15/15 14:57
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG836805	1	12/21/15 01:28	12/21/15 03:32	JM
Mercury by Method 7470A	WG836890	1	12/22/15 16:47	12/23/15 09:00	BRJ
Metals (ICPMS) by Method 6020	WG836934	1	12/21/15 13:56	12/22/15 00:56	JDG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836763	1	12/28/15 10:51	12/28/15 10:51	ACG
Wet Chemistry by Method 4500S2 D-2011	WG836482	1	12/18/15 15:05	12/18/15 15:05	KBC
Wet Chemistry by Method 9012B	WG836521	1	12/18/15 15:00	12/21/15 09:59	ASK
Wet Chemistry by Method 9056A	WG836800	1	12/19/15 11:05	12/19/15 11:05	CM
Wet Chemistry by Method 9060A	WG836614	1	12/19/15 18:57	12/19/15 18:57	AS

MW-3 L807487-03 GW

Collected by: Darren Motley
Collected date/time: 12/15/15 15:37
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG836805	1	12/21/15 01:28	12/21/15 03:32	JM
Mercury by Method 7470A	WG836890	1	12/22/15 16:47	12/23/15 09:02	BRJ
Metals (ICPMS) by Method 6020	WG836934	1	12/21/15 13:56	12/22/15 00:58	JDG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836763	1	12/28/15 11:10	12/28/15 11:10	ACG
Wet Chemistry by Method 4500S2 D-2011	WG836482	1	12/18/15 15:05	12/18/15 15:05	KBC
Wet Chemistry by Method 9012B	WG837473	1	12/22/15 15:40	12/23/15 09:50	DR
Wet Chemistry by Method 9056A	WG836800	1	12/19/15 11:34	12/19/15 11:34	CM
Wet Chemistry by Method 9060A	WG836614	1	12/19/15 19:08	12/19/15 19:08	AS

MW-4 L807487-04 GW

Collected by: Darren Motley
Collected date/time: 12/15/15 16:09
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG836805	1	12/21/15 01:28	12/21/15 03:32	JM
Mercury by Method 7470A	WG836890	1	12/22/15 16:47	12/23/15 09:05	BRJ
Metals (ICPMS) by Method 6020	WG836934	1	12/21/15 13:56	12/22/15 01:01	JDG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836763	1	12/28/15 11:30	12/28/15 11:30	ACG
Wet Chemistry by Method 4500S2 D-2011	WG836482	1	12/18/15 15:05	12/18/15 15:05	KBC
Wet Chemistry by Method 9012B	WG837473	1	12/22/15 15:40	12/23/15 09:51	DR
Wet Chemistry by Method 9056A	WG836800	1	12/19/15 11:48	12/19/15 11:48	CM
Wet Chemistry by Method 9060A	WG836614	1	12/19/15 19:59	12/19/15 19:59	AS

MW-5 L807487-05 GW

Collected by: Darren Motley
Collected date/time: 12/16/15 07:13
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG837332	1	12/22/15 06:05	12/22/15 06:40	JM
Mercury by Method 7470A	WG836890	1	12/22/15 16:47	12/23/15 09:07	BRJ
Metals (ICPMS) by Method 6020	WG836934	1	12/21/15 13:56	12/22/15 01:04	JDG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836763	1	12/28/15 11:49	12/28/15 11:49	ACG
Wet Chemistry by Method 4500S2 D-2011	WG836482	1	12/18/15 15:06	12/18/15 15:06	KBC
Wet Chemistry by Method 9012B	WG837473	1	12/22/15 15:40	12/23/15 09:52	DR
Wet Chemistry by Method 9056A	WG836800	1	12/19/15 12:17	12/19/15 12:17	CM
Wet Chemistry by Method 9060A	WG836614	1	12/19/15 20:21	12/19/15 20:21	AS

MW-6 L807487-06 GW

Collected by: Darren Motley
Collected date/time: 12/16/15 07:46
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG837338	1	12/22/15 02:39	12/22/15 05:36	JM
Mercury by Method 7470A	WG836890	1	12/22/15 16:47	12/23/15 09:10	BRJ
Metals (ICPMS) by Method 6020	WG836934	1	12/21/15 13:56	12/22/15 01:06	JDG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836763	1	12/28/15 12:09	12/28/15 12:09	ACG
Wet Chemistry by Method 4500S2 D-2011	WG836485	1	12/18/15 15:58	12/18/15 15:58	KBC
Wet Chemistry by Method 9012B	WG837473	1	12/22/15 15:40	12/23/15 09:53	DR
Wet Chemistry by Method 9056A	WG836800	1	12/19/15 12:32	12/19/15 12:32	CM
Wet Chemistry by Method 9060A	WG836614	1	12/19/15 20:33	12/19/15 20:33	AS

MW-7 L807487-07 GW

Collected by: Darren Motley
Collected date/time: 12/15/15 12:57
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG836805	1	12/21/15 01:28	12/21/15 03:32	JM
Mercury by Method 7470A	WG836890	1	12/22/15 16:47	12/23/15 09:12	BRJ
Metals (ICPMS) by Method 6020	WG836934	1	12/21/15 13:56	12/22/15 01:09	JDG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836763	1	12/28/15 12:28	12/28/15 12:28	ACG
Wet Chemistry by Method 4500S2 D-2011	WG836485	1	12/18/15 15:58	12/18/15 15:58	KBC
Wet Chemistry by Method 9012B	WG837808	1	12/23/15 15:08	12/24/15 08:23	DR
Wet Chemistry by Method 9056A	WG836800	1	12/19/15 12:46	12/19/15 12:46	CM
Wet Chemistry by Method 9060A	WG836614	1	12/19/15 20:44	12/19/15 20:44	AS

CAO-1 L807487-08 GW

Collected by: Darren Motley
Collected date/time: 12/16/15 08:15
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG837338	1	12/22/15 02:39	12/22/15 05:36	JM
Mercury by Method 7470A	WG836890	1	12/22/15 16:47	12/23/15 09:20	BRJ
Metals (ICPMS) by Method 6020	WG836934	1	12/21/15 13:56	12/22/15 01:12	JDG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836763	1	12/28/15 12:47	12/28/15 12:47	ACG
Wet Chemistry by Method 4500S2 D-2011	WG836485	1	12/18/15 15:59	12/18/15 15:59	KBC
Wet Chemistry by Method 9012B	WG837473	1	12/22/15 15:40	12/23/15 09:59	DR
Wet Chemistry by Method 9056A	WG836800	1	12/19/15 17:49	12/19/15 17:49	CM
Wet Chemistry by Method 9056A	WG836800	20	12/19/15 13:00	12/19/15 13:00	CM
Wet Chemistry by Method 9060A	WG836614	1	12/19/15 20:56	12/19/15 20:56	AS

CAO-2 L807487-09 GW

Collected by: Darren Motley | Collected date/time: 12/15/15 15:23 | Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG836805	1	12/21/15 01:28	12/21/15 03:32	JM
Mercury by Method 7470A	WG836890	1	12/22/15 16:47	12/23/15 09:22	BRJ
Metals (ICPMS) by Method 6020	WG836934	1	12/21/15 13:56	12/22/15 01:14	JDG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836763	1	12/28/15 13:07	12/28/15 13:07	ACG
Wet Chemistry by Method 4500S2 D-2011	WG836485	1	12/18/15 15:59	12/18/15 15:59	KBC
Wet Chemistry by Method 9012B	WG837473	1	12/22/15 15:40	12/23/15 10:00	DR
Wet Chemistry by Method 9056A	WG836800	1	12/19/15 13:15	12/19/15 13:15	CM
Wet Chemistry by Method 9060A	WG836614	1	12/19/15 21:07	12/19/15 21:07	AS

CAO-3 L807487-10 GW

Collected by: Darren Motley | Collected date/time: 12/15/15 14:26 | Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG836805	1	12/21/15 01:28	12/21/15 03:32	JM
Mercury by Method 7470A	WG836890	1	12/22/15 16:47	12/23/15 09:24	BRJ
Metals (ICPMS) by Method 6020	WG836934	1	12/21/15 13:56	12/22/15 01:17	JDG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836763	1	12/28/15 13:26	12/28/15 13:26	ACG
Wet Chemistry by Method 4500S2 D-2011	WG836485	1	12/18/15 15:59	12/18/15 15:59	KBC
Wet Chemistry by Method 9012B	WG837473	1	12/22/15 15:40	12/23/15 10:01	DR
Wet Chemistry by Method 9056A	WG836800	1	12/19/15 13:29	12/19/15 13:29	CM
Wet Chemistry by Method 9060A	WG836614	1	12/19/15 21:18	12/19/15 21:18	AS

NAB-2 L807487-11 GW

Collected by: Darren Motley | Collected date/time: 12/15/15 11:14 | Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG836805	1	12/21/15 01:28	12/21/15 03:32	JM
Mercury by Method 7470A	WG836890	1	12/22/15 16:47	12/23/15 09:27	BRJ
Metals (ICPMS) by Method 6020	WG836934	1	12/21/15 13:56	12/22/15 01:20	JDG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836763	1	12/28/15 13:45	12/28/15 13:45	ACG
Wet Chemistry by Method 4500S2 D-2011	WG836485	1	12/18/15 15:59	12/18/15 15:59	KBC
Wet Chemistry by Method 9012B	WG837473	1	12/22/15 15:40	12/23/15 10:02	DR
Wet Chemistry by Method 9056A	WG836800	1	12/19/15 14:27	12/19/15 14:27	CM
Wet Chemistry by Method 9060A	WG836614	1	12/19/15 21:36	12/19/15 21:36	AS

NAB-3 L807487-12 GW

Collected by: Darren Motley | Collected date/time: 12/15/15 08:24 | Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG836806	1	12/21/15 01:39	12/21/15 04:05	JM
Mercury by Method 7470A	WG836890	1	12/22/15 16:47	12/23/15 09:29	BRJ
Metals (ICPMS) by Method 6020	WG836934	1	12/21/15 13:56	12/22/15 01:28	JDG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836763	1	12/28/15 14:05	12/28/15 14:05	ACG
Wet Chemistry by Method 4500S2 D-2011	WG836485	1	12/18/15 16:00	12/18/15 16:00	KBC
Wet Chemistry by Method 9012B	WG837473	1	12/22/15 15:40	12/23/15 10:04	DR
Wet Chemistry by Method 9056A	WG836800	1	12/19/15 14:41	12/19/15 14:41	CM
Wet Chemistry by Method 9060A	WG836614	1	12/19/15 21:47	12/19/15 21:47	AS

NAB-4 L807487-13 GW

Collected by: Darren Motley
Collected date/time: 12/15/15 12:35
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG836806	1	12/21/15 01:39	12/21/15 04:05	JM
Mercury by Method 7470A	WG836890	1	12/22/15 16:47	12/23/15 09:32	BRJ
Metals (ICPMS) by Method 6020	WG836934	1	12/21/15 13:56	12/22/15 01:31	JDG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836763	1	12/28/15 14:24	12/28/15 14:24	ACG
Wet Chemistry by Method 4500S2 D-2011	WG836485	1	12/18/15 16:00	12/18/15 16:00	KBC
Wet Chemistry by Method 9012B	WG837473	1	12/22/15 15:40	12/23/15 10:05	DR
Wet Chemistry by Method 9056A	WG836800	1	12/19/15 14:56	12/19/15 14:56	CM
Wet Chemistry by Method 9060A	WG836614	1	12/19/15 21:58	12/19/15 21:58	AS

NAB-7 L807487-14 GW

Collected by: Darren Motley
Collected date/time: 12/15/15 13:22
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG836806	1	12/21/15 01:39	12/21/15 04:05	JM
Mercury by Method 7470A	WG836890	1	12/22/15 16:47	12/23/15 09:34	BRJ
Metals (ICPMS) by Method 6020	WG836934	1	12/21/15 13:56	12/22/15 01:33	JDG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836763	1	12/28/15 14:44	12/28/15 14:44	ACG
Wet Chemistry by Method 4500S2 D-2011	WG836485	1	12/18/15 16:01	12/18/15 16:01	KBC
Wet Chemistry by Method 9012B	WG837473	1	12/22/15 15:40	12/23/15 10:06	DR
Wet Chemistry by Method 9056A	WG836800	1	12/19/15 15:25	12/19/15 15:25	CM
Wet Chemistry by Method 9060A	WG836785	1	12/23/15 14:25	12/23/15 14:25	AS

NAB-8 L807487-15 GW

Collected by: Darren Motley
Collected date/time: 12/15/15 06:45
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG836806	1	12/21/15 01:39	12/21/15 04:05	JM
Mercury by Method 7470A	WG836890	1	12/22/15 16:47	12/23/15 09:37	BRJ
Metals (ICPMS) by Method 6020	WG836934	1	12/21/15 13:56	12/22/15 01:36	JDG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836763	1	12/28/15 15:03	12/28/15 15:03	ACG
Wet Chemistry by Method 4500S2 D-2011	WG836485	1	12/18/15 16:01	12/18/15 16:01	KBC
Wet Chemistry by Method 9012B	WG837473	1	12/22/15 15:40	12/23/15 10:07	DR
Wet Chemistry by Method 9056A	WG836800	1	12/19/15 16:08	12/19/15 16:08	CM
Wet Chemistry by Method 9060A	WG836785	1	12/23/15 14:50	12/23/15 14:50	AS

MW-509D L807487-16 GW

Collected by: Darren Motley
Collected date/time: 12/15/15 12:14
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG836806	1	12/21/15 01:39	12/21/15 04:05	JM
Mercury by Method 7470A	WG836890	1	12/22/15 16:47	12/23/15 09:39	BRJ
Metals (ICPMS) by Method 6020	WG836934	1	12/21/15 13:56	12/22/15 01:39	JDG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836763	1	12/28/15 15:22	12/28/15 15:22	ACG
Wet Chemistry by Method 4500S2 D-2011	WG836485	1	12/18/15 16:02	12/18/15 16:02	KBC
Wet Chemistry by Method 9012B	WG837473	1	12/22/15 15:40	12/23/15 10:08	DR
Wet Chemistry by Method 9056A	WG836800	1	12/19/15 16:22	12/19/15 16:22	CM
Wet Chemistry by Method 9060A	WG836785	1	12/23/15 15:48	12/23/15 15:48	AS

MW-577 L807487-17 GW

Collected by: Darren Motley
Collected date/time: 12/15/15 10:12
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG836806	1	12/21/15 01:39	12/21/15 04:05	JM
Mercury by Method 7470A	WG836890	1	12/22/15 16:47	12/23/15 09:42	BRJ
Metals (ICPMS) by Method 6020	WG836934	1	12/21/15 13:56	12/22/15 01:42	JDG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836763	1	12/28/15 15:42	12/28/15 15:42	ACG
Wet Chemistry by Method 4500S2 D-2011	WG836485	1	12/18/15 16:02	12/18/15 16:02	KBC
Wet Chemistry by Method 9012B	WG837473	1	12/22/15 15:40	12/23/15 10:09	DR
Wet Chemistry by Method 9056A	WG836800	1	12/19/15 16:37	12/19/15 16:37	CM
Wet Chemistry by Method 9060A	WG836785	1	12/23/15 16:03	12/23/15 16:03	AS

MW-689D L807487-18 GW

Collected by: Darren Motley
Collected date/time: 12/15/15 10:35
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG836806	1	12/21/15 01:39	12/21/15 04:05	JM
Mercury by Method 7470A	WG836890	1	12/22/15 16:47	12/23/15 09:49	BRJ
Metals (ICPMS) by Method 6020	WG836934	1	12/21/15 13:56	12/22/15 01:44	JDG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836763	1	12/28/15 16:01	12/28/15 16:01	ACG
Wet Chemistry by Method 4500S2 D-2011	WG836485	1	12/18/15 16:02	12/18/15 16:02	KBC
Wet Chemistry by Method 9012B	WG837475	1	12/23/15 09:57	12/23/15 13:07	DR
Wet Chemistry by Method 9056A	WG836984	1	12/21/15 15:13	12/21/15 15:13	NJM
Wet Chemistry by Method 9060A	WG836785	1	12/23/15 16:15	12/23/15 16:15	AS

MW-633D L807487-19 GW

Collected by: Darren Motley
Collected date/time: 12/14/15 16:35
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG837493	1	12/21/15 15:46	12/21/15 16:13	JER
Mercury by Method 7470A	WG836890	1	12/22/15 16:47	12/23/15 09:51	BRJ
Metals (ICPMS) by Method 6020	WG836934	1	12/21/15 13:56	12/22/15 01:47	JDG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836763	1	12/28/15 09:53	12/28/15 09:53	JHH
Wet Chemistry by Method 4500S2 D-2011	WG836485	1	12/18/15 16:02	12/18/15 16:02	KBC
Wet Chemistry by Method 9012B	WG837475	1	12/23/15 09:57	12/23/15 13:09	DR
Wet Chemistry by Method 9056A	WG836984	1	12/21/15 11:56	12/21/15 11:56	NJM
Wet Chemistry by Method 9060A	WG836785	1	12/23/15 16:28	12/23/15 16:28	AS

NE-2 L807487-20 GW

Collected by: Darren Motley
Collected date/time: 12/14/15 13:30
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG837493	1	12/21/15 15:46	12/21/15 16:13	JER
Mercury by Method 7470A	WG836890	1	12/22/15 16:47	12/23/15 09:54	BRJ
Metals (ICPMS) by Method 6020	WG836934	1	12/21/15 13:56	12/22/15 01:50	JDG
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836763	1	12/28/15 10:12	12/28/15 10:12	JHH
Wet Chemistry by Method 4500S2 D-2011	WG836485	1	12/18/15 16:02	12/18/15 16:02	KBC
Wet Chemistry by Method 9012B	WG837475	1	12/23/15 09:57	12/23/15 13:10	DR
Wet Chemistry by Method 9056A	WG836984	1	12/21/15 12:27	12/21/15 12:27	NJM
Wet Chemistry by Method 9056A	WG836984	20	12/21/15 19:04	12/21/15 19:04	NJM
Wet Chemistry by Method 9060A	WG836785	1	12/23/15 16:46	12/23/15 16:46	AS

NE-3 L807487-21 GW

Collected by: Darren Motley
Collected date/time: 12/15/15 07:26
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG836806	1	12/21/15 01:39	12/21/15 04:05	JM
Mercury by Method 7470A	WG836889	1	12/19/15 11:58	12/21/15 11:59	BRJ
Metals (ICPMS) by Method 6020	WG836935	1	12/21/15 16:32	12/22/15 16:17	JD
Metals (ICPMS) by Method 6020	WG836935	1	12/21/15 16:32	12/23/15 13:00	LAT
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836764	1	12/28/15 20:07	12/28/15 20:07	DAH
Wet Chemistry by Method 4500S2 D-2011	WG836485	1	12/18/15 16:03	12/18/15 16:03	KBC
Wet Chemistry by Method 9012B	WG837475	1	12/23/15 09:57	12/23/15 13:11	DR
Wet Chemistry by Method 9056A	WG836984	1	12/21/15 15:59	12/21/15 15:59	NJM
Wet Chemistry by Method 9060A	WG836785	1	12/23/15 16:59	12/23/15 16:59	AS

NE-6 L807487-22 GW

Collected by: Darren Motley
Collected date/time: 12/14/15 15:54
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG837493	1	12/21/15 15:46	12/21/15 16:13	JER
Mercury by Method 7470A	WG836889	1	12/19/15 11:58	12/21/15 12:01	BRJ
Metals (ICPMS) by Method 6020	WG836935	1	12/21/15 16:32	12/22/15 16:20	VSS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG837906	1	12/27/15 22:50	12/27/15 22:50	JHH
Wet Chemistry by Method 4500S2 D-2011	WG836485	1	12/18/15 16:03	12/18/15 16:03	KBC
Wet Chemistry by Method 9012B	WG837475	1	12/23/15 09:57	12/23/15 13:12	DR
Wet Chemistry by Method 9056A	WG836984	1	12/21/15 12:43	12/21/15 12:43	NJM
Wet Chemistry by Method 9060A	WG836785	1	12/23/15 17:11	12/23/15 17:11	AS

MW-1R L807487-23 GW

Collected by: Darren Motley
Collected date/time: 12/15/15 07:05
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG836806	1	12/21/15 01:39	12/21/15 04:05	JM
Mercury by Method 7470A	WG836889	1	12/19/15 11:58	12/21/15 12:04	BRJ
Metals (ICPMS) by Method 6020	WG836935	1	12/21/15 16:32	12/22/15 16:22	VSS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836764	1	12/28/15 20:25	12/28/15 20:25	DAH
Wet Chemistry by Method 4500S2 D-2011	WG836485	1	12/18/15 16:03	12/18/15 16:03	KBC
Wet Chemistry by Method 9012B	WG837475	1	12/23/15 09:57	12/23/15 13:13	DR
Wet Chemistry by Method 9056A	WG836984	10	12/21/15 16:15	12/21/15 16:15	NJM
Wet Chemistry by Method 9056A	WG837447	1	12/23/15 01:14	12/23/15 01:14	CM
Wet Chemistry by Method 9060A	WG836785	1	12/23/15 17:31	12/23/15 17:31	AS

TSP-3 L807487-24 GW

Collected by: Darren Motley
Collected date/time: 12/16/15 07:55
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG837341	1	12/22/15 15:38	12/22/15 15:59	JER
Mercury by Method 7470A	WG836889	1	12/19/15 11:58	12/21/15 12:06	BRJ
Metals (ICPMS) by Method 6020	WG836935	1	12/21/15 16:32	12/22/15 16:24	VSS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG838908	1	12/29/15 19:10	12/29/15 19:10	DAH
Wet Chemistry by Method 4500S2 D-2011	WG836485	1	12/18/15 16:03	12/18/15 16:03	KBC
Wet Chemistry by Method 9012B	WG837475	1	12/23/15 09:57	12/23/15 13:14	DR
Wet Chemistry by Method 9056A	WG836984	1	12/21/15 13:13	12/21/15 13:13	NJM
Wet Chemistry by Method 9060A	WG836785	1	12/23/15 18:44	12/23/15 18:44	AS

TSP-4 L807487-25 GW

Collected by: Darren Motley
Collected date/time: 12/16/15 10:00
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG837341	1	12/22/15 15:38	12/22/15 15:59	JER
Mercury by Method 7470A	WG836889	1	12/19/15 11:58	12/21/15 12:09	BRJ
Metals (ICPMS) by Method 6020	WG836935	1	12/21/15 16:32	12/22/15 16:27	VSS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG838908	1	12/29/15 19:33	12/29/15 19:33	DAH
Wet Chemistry by Method 4500S2 D-2011	WG836485	1	12/18/15 16:04	12/18/15 16:04	KBC
Wet Chemistry by Method 9012B	WG837808	1	12/23/15 15:08	12/24/15 08:31	DR
Wet Chemistry by Method 9056A	WG836984	1	12/21/15 13:29	12/21/15 13:29	NJM
Wet Chemistry by Method 9060A	WG836785	1	12/23/15 18:57	12/23/15 18:57	AS

SP-7 L807487-26 GW

Collected by: Darren Motley
Collected date/time: 12/16/15 09:00
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG837341	1	12/22/15 15:38	12/22/15 15:59	JER
Mercury by Method 7470A	WG836889	1	12/19/15 11:58	12/21/15 12:12	BRJ
Metals (ICPMS) by Method 6020	WG836935	1	12/21/15 16:32	12/22/15 16:29	VSS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG838908	1	12/29/15 19:56	12/29/15 19:56	DAH
Wet Chemistry by Method 4500S2 D-2011	WG837487	1	12/22/15 18:21	12/22/15 18:21	KBC
Wet Chemistry by Method 9012B	WG837475	1	12/23/15 09:57	12/23/15 13:18	DR
Wet Chemistry by Method 9056A	WG836984	1	12/21/15 13:44	12/21/15 13:44	NJM
Wet Chemistry by Method 9060A	WG836785	1	12/23/15 19:11	12/23/15 19:11	AS

SPRING-A L807487-27 GW

Collected by: Darren Motley
Collected date/time: 12/16/15 09:15
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG837341	1	12/22/15 15:38	12/22/15 15:59	JER
Mercury by Method 7470A	WG836889	1	12/19/15 11:58	12/21/15 12:14	BRJ
Metals (ICPMS) by Method 6020	WG836935	1	12/21/15 16:32	12/22/15 16:31	VSS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG838908	1	12/29/15 20:18	12/29/15 20:18	DAH
Wet Chemistry by Method 4500S2 D-2011	WG837487	1	12/22/15 18:21	12/22/15 18:21	KBC
Wet Chemistry by Method 9012B	WG837475	1	12/23/15 09:57	12/23/15 13:19	DR
Wet Chemistry by Method 9056A	WG836984	1	12/21/15 14:00	12/21/15 14:00	NJM
Wet Chemistry by Method 9060A	WG836785	1	12/23/15 19:24	12/23/15 19:24	AS

SPRING-B L807487-28 GW

Collected by: Darren Motley
Collected date/time: 12/16/15 09:10
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG837341	1	12/22/15 15:38	12/22/15 15:59	JER
Mercury by Method 7470A	WG836889	1	12/19/15 11:58	12/21/15 12:22	BRJ
Metals (ICPMS) by Method 6020	WG836935	1	12/21/15 16:32	12/22/15 17:18	VSS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG838848	1	12/29/15 12:42	12/29/15 12:42	JBE
Wet Chemistry by Method 4500S2 D-2011	WG837487	1	12/22/15 18:22	12/22/15 18:22	KBC
Wet Chemistry by Method 9012B	WG837475	1	12/23/15 09:57	12/23/15 13:22	DR
Wet Chemistry by Method 9056A	WG836984	1	12/21/15 16:30	12/21/15 16:30	NJM
Wet Chemistry by Method 9060A	WG836785	1	12/23/15 19:38	12/23/15 19:38	AS

SP-NE-3 L807487-29 GW

Collected by: Darren Motley
Collected date/time: 12/15/15 07:36
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG836806	1	12/21/15 01:39	12/21/15 04:05	JM
Mercury by Method 7470A	WG836889	1	12/19/15 11:58	12/21/15 12:24	BRJ
Metals (ICPMS) by Method 6020	WG836935	1	12/21/15 16:32	12/22/15 17:21	JD
Metals (ICPMS) by Method 6020	WG836935	1	12/21/15 16:32	12/23/15 13:03	LAT
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836764	1	12/28/15 20:43	12/28/15 20:43	DAH
Wet Chemistry by Method 4500S2 D-2011	WG837487	1	12/22/15 18:22	12/22/15 18:22	KBC
Wet Chemistry by Method 9012B	WG837475	1	12/23/15 09:57	12/23/15 13:23	DR
Wet Chemistry by Method 9056A	WG836984	1	12/21/15 16:45	12/21/15 16:45	NJM
Wet Chemistry by Method 9060A	WG836785	1	12/23/15 20:03	12/23/15 20:03	AS

LANDFILL ENTRANCE SEEP L807487-30 GW

Collected by: Darren Motley
Collected date/time: 12/16/15 08:48
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG837341	1	12/22/15 15:38	12/22/15 15:59	JER
Mercury by Method 7470A	WG836889	1	12/19/15 11:58	12/21/15 12:27	BRJ
Metals (ICPMS) by Method 6020	WG836935	1	12/21/15 16:32	12/22/15 17:23	JD
Metals (ICPMS) by Method 6020	WG836935	1	12/21/15 16:32	12/23/15 13:05	LAT
Volatile Organic Compounds (GC/MS) by Method 8260B	WG838848	1	12/29/15 13:03	12/29/15 13:03	JBE
Wet Chemistry by Method 4500S2 D-2011	WG837487	1	12/22/15 18:22	12/22/15 18:22	KBC
Wet Chemistry by Method 9012B	WG837475	1	12/23/15 09:57	12/23/15 13:24	DR
Wet Chemistry by Method 9056A	WG836984	1	12/21/15 14:15	12/21/15 14:15	NJM
Wet Chemistry by Method 9060A	WG836785	1	12/23/15 20:17	12/23/15 20:17	AS

CLASS IV DRAW L807487-31 GW

Collected by: Darren Motley
Collected date/time: 12/16/15 09:30
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG837345	1	12/22/15 09:03	12/22/15 09:51	MF
Mercury by Method 7470A	WG836891	1	12/22/15 12:15	12/22/15 18:45	TRB
Metals (ICPMS) by Method 6020	WG836935	1	12/21/15 16:32	12/22/15 17:25	VSS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836870	1	12/28/15 14:15	12/28/15 14:15	BMB
Wet Chemistry by Method 4500S2 D-2011	WG837487	1	12/22/15 18:24	12/22/15 18:24	KBC
Wet Chemistry by Method 9012B	WG837475	1	12/23/15 09:57	12/23/15 13:25	DR
Wet Chemistry by Method 9056A	WG836984	1	12/21/15 17:01	12/21/15 17:01	NJM
Wet Chemistry by Method 9060A	WG836785	1	12/23/15 20:31	12/23/15 20:31	AS

CLASS I DRAW L807487-32 GW

Collected by: Darren Motley
Collected date/time: 12/16/15 09:20
Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG837345	1	12/22/15 09:03	12/22/15 09:51	MF
Mercury by Method 7470A	WG836891	1	12/22/15 12:15	12/22/15 18:48	TRB
Metals (ICPMS) by Method 6020	WG836935	1	12/21/15 16:32	12/22/15 17:28	VSS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836870	1	12/28/15 14:37	12/28/15 14:37	BMB
Wet Chemistry by Method 4500S2 D-2011	WG837487	1	12/22/15 18:24	12/22/15 18:24	KBC
Wet Chemistry by Method 9012B	WG837475	1	12/23/15 09:57	12/23/15 13:26	DR
Wet Chemistry by Method 9056A	WG836984	1	12/21/15 17:32	12/21/15 17:32	NJM
Wet Chemistry by Method 9060A	WG836785	1	12/23/15 20:47	12/23/15 20:47	AS

LEACHATE L807487-33 GW

Collected by: Darren Motley | Collected date/time: 12/16/15 08:20 | Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG837345	1	12/22/15 09:03	12/22/15 09:51	MF
Mercury by Method 7470A	WG836891	1	12/22/15 12:15	12/22/15 18:51	TRB
Metals (ICPMS) by Method 6020	WG836935	1	12/21/15 16:32	12/22/15 17:30	VSS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836870	1	12/28/15 14:58	12/28/15 14:58	BMB
Wet Chemistry by Method 4500S2 D-2011	WG837487	1	12/22/15 18:24	12/22/15 18:24	KBC
Wet Chemistry by Method 9012B	WG837475	1	12/23/15 09:57	12/23/15 13:27	DR
Wet Chemistry by Method 9056A	WG836984	10	12/21/15 17:47	12/21/15 17:47	NJM
Wet Chemistry by Method 9056A	WG838131	1	12/24/15 11:35	12/24/15 11:35	DJD
Wet Chemistry by Method 9060A	WG836785	1	12/23/15 21:05	12/23/15 21:05	AS

DUPLICATE L807487-34 GW

Collected by: Darren Motley | Collected date/time: 12/16/15 07:50 | Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG837345	1	12/22/15 09:03	12/22/15 09:51	MF
Mercury by Method 7470A	WG836891	1	12/22/15 12:15	12/22/15 18:54	TRB
Metals (ICPMS) by Method 6020	WG836935	1	12/21/15 16:32	12/22/15 17:32	VSS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG836870	1	12/28/15 15:20	12/28/15 15:20	BMB
Wet Chemistry by Method 4500S2 D-2011	WG837487	1	12/22/15 18:24	12/22/15 18:24	KBC
Wet Chemistry by Method 9012B	WG837475	1	12/23/15 09:57	12/23/15 13:28	DR
Wet Chemistry by Method 9056A	WG836984	1	12/21/15 18:03	12/21/15 18:03	NJM
Wet Chemistry by Method 9060A	WG837675	1	12/24/15 00:43	12/24/15 00:43	AS

FIELD BLANK L807487-35 GW

Collected by: Darren Motley | Collected date/time: 12/16/15 07:55 | Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 C-2011	WG837345	1	12/22/15 09:03	12/22/15 09:51	MF
Mercury by Method 7470A	WG836891	1	12/22/15 12:15	12/22/15 18:57	TRB
Metals (ICPMS) by Method 6020	WG836935	1	12/21/15 16:32	12/22/15 14:31	VSS
Volatile Organic Compounds (GC/MS) by Method 8260B	WG837094	1	12/22/15 06:20	12/22/15 06:20	ACG
Wet Chemistry by Method 4500S2 D-2011	WG837487	1	12/22/15 18:25	12/22/15 18:25	KBC
Wet Chemistry by Method 9012B	WG837475	1	12/23/15 09:57	12/23/15 13:29	DR
Wet Chemistry by Method 9056A	WG836984	1	12/21/15 18:18	12/21/15 18:18	NJM
Wet Chemistry by Method 9060A	WG837675	1	12/24/15 01:12	12/24/15 01:12	AS

EQUIPMENT BLANK L807487-36 GW

Collected by: Darren Motley | Collected date/time: 12/16/15 08:00 | Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG837094	1	12/22/15 06:39	12/22/15 06:39	ACG

TRIP BLANK L807487-37 GW

Collected by: Darren Motley | Collected date/time: 12/16/15 08:05 | Received date/time: 12/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG837094	1	12/22/15 06:57	12/22/15 06:57	ACG

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris McCord
Technical Service Representative

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	1140000		2820	10000	1	12/21/2015 03:32	WG836805

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		6.50	50.0	1	12/18/2015 15:05	WG836482

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/21/2015 09:58	WG836521

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	133000		260	5000	5	12/19/2015 10:51	WG836800
Sulfate	26400		77.4	5000	1	12/19/2015 14:13	WG836800

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	9790		102	1000	1	12/19/2015 18:34	WG836614

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/23/2015 08:52	WG836890

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.325	J	0.210	2.00	1	12/21/2015 22:36	WG836934
Arsenic	24.2		0.250	2.00	1	12/21/2015 22:36	WG836934
Barium	195		0.360	5.00	1	12/21/2015 22:36	WG836934
Beryllium	U		0.120	2.00	1	12/21/2015 22:36	WG836934
Cadmium	U		0.160	1.00	1	12/21/2015 22:36	WG836934
Chromium	0.774	J	0.540	2.00	1	12/21/2015 22:36	WG836934
Copper	1.04	J	0.520	5.00	1	12/21/2015 22:36	WG836934
Cobalt	41.0		0.260	2.00	1	12/21/2015 22:36	WG836934
Iron	6100		15.0	100	1	12/21/2015 22:36	WG836934
Lead	0.883	J	0.240	2.00	1	12/21/2015 22:36	WG836934
Manganese	789	V	0.250	5.00	1	12/21/2015 22:36	WG836934
Nickel	58.1		0.350	2.00	1	12/21/2015 22:36	WG836934
Selenium	U		0.380	2.00	1	12/21/2015 22:36	WG836934
Silver	U		0.310	2.00	1	12/21/2015 22:36	WG836934
Thallium	U		0.190	2.00	1	12/21/2015 22:36	WG836934
Tin	0.368	J	0.300	2.00	1	12/21/2015 22:36	WG836934
Vanadium	0.836	J	0.180	5.00	1	12/21/2015 22:36	WG836934
Zinc	163	O1	2.56	25.0	1	12/21/2015 22:36	WG836934

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/28/2015 10:32	WG836763
Acrylonitrile	U		1.87	10.0	1	12/28/2015 10:32	WG836763
Benzene	1.06		0.331	1.00	1	12/28/2015 10:32	WG836763
Bromochloromethane	U		0.520	1.00	1	12/28/2015 10:32	WG836763
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 10:32	WG836763
Bromoform	U		0.469	1.00	1	12/28/2015 10:32	WG836763
Bromomethane	U	J5	0.866	5.00	1	12/28/2015 10:32	WG836763
Carbon disulfide	U		0.275	1.00	1	12/28/2015 10:32	WG836763
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 10:32	WG836763
Chlorobenzene	1.00		0.348	1.00	1	12/28/2015 10:32	WG836763
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 10:32	WG836763
Chloroethane	1.09	J	0.453	5.00	1	12/28/2015 10:32	WG836763
Chloroform	U		0.324	5.00	1	12/28/2015 10:32	WG836763
Chloromethane	U		0.276	2.50	1	12/28/2015 10:32	WG836763
Dibromomethane	U		0.346	1.00	1	12/28/2015 10:32	WG836763
1,2-Dibromoethane	U		0.381	1.00	1	12/28/2015 10:32	WG836763
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 10:32	WG836763
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 10:32	WG836763
1,4-Dichlorobenzene	1.81		0.274	1.00	1	12/28/2015 10:32	WG836763
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 10:32	WG836763
1,1-Dichloroethane	11.6		0.259	1.00	1	12/28/2015 10:32	WG836763
1,2-Dichloroethane	0.453	J	0.361	1.00	1	12/28/2015 10:32	WG836763
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 10:32	WG836763
cis-1,2-Dichloroethene	7.83		0.260	1.00	1	12/28/2015 10:32	WG836763
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 10:32	WG836763
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 10:32	WG836763
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 10:32	WG836763
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 10:32	WG836763
Ethylbenzene	U		0.384	1.00	1	12/28/2015 10:32	WG836763
2-Hexanone	U		3.82	10.0	1	12/28/2015 10:32	WG836763
Iodomethane	U		1.71	10.0	1	12/28/2015 10:32	WG836763
2-Butanone (MEK)	U		3.93	15.0	1	12/28/2015 10:32	WG836763
Methylene Chloride	U		1.00	5.00	1	12/28/2015 10:32	WG836763
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 10:32	WG836763
Styrene	U		0.307	1.00	1	12/28/2015 10:32	WG836763
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 10:32	WG836763
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 10:32	WG836763
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 10:32	WG836763
Toluene	U		0.780	5.00	1	12/28/2015 10:32	WG836763
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 10:32	WG836763
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 10:32	WG836763
Trichloroethene	0.805	J	0.398	1.00	1	12/28/2015 10:32	WG836763
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 10:32	WG836763
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 10:32	WG836763
Vinyl acetate	U		1.63	10.0	1	12/28/2015 10:32	WG836763
Vinyl chloride	1.71		0.259	1.00	1	12/28/2015 10:32	WG836763
Xylenes, Total	U		1.06	3.00	1	12/28/2015 10:32	WG836763
(S) Toluene-d8	*102*			*90.0-115*		*12/28/2015 10:32*	WG836763
(S) Dibromofluoromethane	*98.4*			*79.0-121*		*12/28/2015 10:32*	WG836763
(S) 4-Bromofluorobenzene	*102*			*80.1-120*		*12/28/2015 10:32*	WG836763

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	385000		2820	10000	1	12/21/2015 03:32	WG836805

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		6.50	50.0	1	12/18/2015 15:05	WG836482

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/21/2015 09:59	WG836521

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	3600		51.9	1000	1	12/19/2015 11:05	WG836800
Sulfate	17000		77.4	5000	1	12/19/2015 11:05	WG836800

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	370	J	102	1000	1	12/19/2015 18:57	WG836614

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/23/2015 09:00	WG836890

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		0.210	2.00	1	12/22/2015 00:56	WG836934
Arsenic	4.76		0.250	2.00	1	12/22/2015 00:56	WG836934
Barium	30.3		0.360	5.00	1	12/22/2015 00:56	WG836934
Beryllium	U		0.120	2.00	1	12/22/2015 00:56	WG836934
Cadmium	U		0.160	1.00	1	12/22/2015 00:56	WG836934
Chromium	U		0.540	2.00	1	12/22/2015 00:56	WG836934
Copper	2.63	J	0.520	5.00	1	12/22/2015 00:56	WG836934
Cobalt	U		0.260	2.00	1	12/22/2015 00:56	WG836934
Iron	82.9	J	15.0	100	1	12/22/2015 00:56	WG836934
Lead	0.383	J	0.240	2.00	1	12/22/2015 00:56	WG836934
Manganese	14.2		0.250	5.00	1	12/22/2015 00:56	WG836934
Nickel	0.660	J	0.350	2.00	1	12/22/2015 00:56	WG836934
Selenium	U		0.380	2.00	1	12/22/2015 00:56	WG836934
Silver	U		0.310	2.00	1	12/22/2015 00:56	WG836934
Thallium	U		0.190	2.00	1	12/22/2015 00:56	WG836934
Tin	U		0.300	2.00	1	12/22/2015 00:56	WG836934
Vanadium	0.885	J	0.180	5.00	1	12/22/2015 00:56	WG836934
Zinc	8.38	J	2.56	25.0	1	12/22/2015 00:56	WG836934

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/28/2015 10:51	WG836763
Acrylonitrile	U		1.87	10.0	1	12/28/2015 10:51	WG836763
Benzene	U		0.331	1.00	1	12/28/2015 10:51	WG836763
Bromochloromethane	U		0.520	1.00	1	12/28/2015 10:51	WG836763
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 10:51	WG836763
Bromoform	U		0.469	1.00	1	12/28/2015 10:51	WG836763
Bromomethane	U		0.866	5.00	1	12/28/2015 10:51	WG836763
Carbon disulfide	U		0.275	1.00	1	12/28/2015 10:51	WG836763
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 10:51	WG836763
Chlorobenzene	U		0.348	1.00	1	12/28/2015 10:51	WG836763
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 10:51	WG836763
Chloroethane	U		0.453	5.00	1	12/28/2015 10:51	WG836763
Chloroform	U		0.324	5.00	1	12/28/2015 10:51	WG836763
Chloromethane	U		0.276	2.50	1	12/28/2015 10:51	WG836763
Dibromomethane	U		0.346	1.00	1	12/28/2015 10:51	WG836763
1,2-Dibromoethane	U		0.381	1.00	1	12/28/2015 10:51	WG836763
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 10:51	WG836763
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 10:51	WG836763
1,4-Dichlorobenzene	U		0.274	1.00	1	12/28/2015 10:51	WG836763
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 10:51	WG836763
1,1-Dichloroethane	U		0.259	1.00	1	12/28/2015 10:51	WG836763
1,2-Dichloroethane	U		0.361	1.00	1	12/28/2015 10:51	WG836763
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 10:51	WG836763
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/28/2015 10:51	WG836763
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 10:51	WG836763
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 10:51	WG836763
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 10:51	WG836763
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 10:51	WG836763
Ethylbenzene	U		0.384	1.00	1	12/28/2015 10:51	WG836763
2-Hexanone	U		3.82	10.0	1	12/28/2015 10:51	WG836763
Iodomethane	U		1.71	10.0	1	12/28/2015 10:51	WG836763
2-Butanone (MEK)	U		3.93	15.0	1	12/28/2015 10:51	WG836763
Methylene Chloride	U		1.00	5.00	1	12/28/2015 10:51	WG836763
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 10:51	WG836763
Styrene	U		0.307	1.00	1	12/28/2015 10:51	WG836763
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 10:51	WG836763
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 10:51	WG836763
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 10:51	WG836763
Toluene	U		0.780	5.00	1	12/28/2015 10:51	WG836763
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 10:51	WG836763
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 10:51	WG836763
Trichloroethene	U		0.398	1.00	1	12/28/2015 10:51	WG836763
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 10:51	WG836763
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 10:51	WG836763
Vinyl acetate	U		1.63	10.0	1	12/28/2015 10:51	WG836763
Vinyl chloride	U		0.259	1.00	1	12/28/2015 10:51	WG836763
Xylenes, Total	U		1.06	3.00	1	12/28/2015 10:51	WG836763
(S) Toluene-d8	*103*			*90.0-115*		*12/28/2015 10:51*	WG836763
(S) Dibromofluoromethane	*95.2*			*79.0-121*		*12/28/2015 10:51*	WG836763
(S) 4-Bromofluorobenzene	*100*			*80.1-120*		*12/28/2015 10:51*	WG836763

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	436000		2820	10000	1	12/21/2015 03:32	WG836805

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		6.50	50.0	1	12/18/2015 15:05	WG836482

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 09:50	WG837473

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	5750		51.9	1000	1	12/19/2015 11:34	WG836800
Sulfate	3140	J	77.4	5000	1	12/19/2015 11:34	WG836800

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	5480		102	1000	1	12/19/2015 19:08	WG836614

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/23/2015 09:02	WG836890

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		0.210	2.00	1	12/22/2015 00:58	WG836934
Arsenic	6.84		0.250	2.00	1	12/22/2015 00:58	WG836934
Barium	75.2		0.360	5.00	1	12/22/2015 00:58	WG836934
Beryllium	U		0.120	2.00	1	12/22/2015 00:58	WG836934
Cadmium	1.13		0.160	1.00	1	12/22/2015 00:58	WG836934
Chromium	U		0.540	2.00	1	12/22/2015 00:58	WG836934
Copper	1.17	J	0.520	5.00	1	12/22/2015 00:58	WG836934
Cobalt	11.1		0.260	2.00	1	12/22/2015 00:58	WG836934
Iron	4190		15.0	100	1	12/22/2015 00:58	WG836934
Lead	U		0.240	2.00	1	12/22/2015 00:58	WG836934
Manganese	2200		0.250	5.00	1	12/22/2015 00:58	WG836934
Nickel	55.6		0.350	2.00	1	12/22/2015 00:58	WG836934
Selenium	U		0.380	2.00	1	12/22/2015 00:58	WG836934
Silver	U		0.310	2.00	1	12/22/2015 00:58	WG836934
Thallium	U		0.190	2.00	1	12/22/2015 00:58	WG836934
Tin	U		0.300	2.00	1	12/22/2015 00:58	WG836934
Vanadium	0.668	J	0.180	5.00	1	12/22/2015 00:58	WG836934
Zinc	31.6		2.56	25.0	1	12/22/2015 00:58	WG836934

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	143		10.0	50.0	1	12/28/2015 11:10	WG836763
Acrylonitrile	U		1.87	10.0	1	12/28/2015 11:10	WG836763
Benzene	U		0.331	1.00	1	12/28/2015 11:10	WG836763
Bromochloromethane	U		0.520	1.00	1	12/28/2015 11:10	WG836763
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 11:10	WG836763
Bromoform	U		0.469	1.00	1	12/28/2015 11:10	WG836763
Bromomethane	U		0.866	5.00	1	12/28/2015 11:10	WG836763
Carbon disulfide	U		0.275	1.00	1	12/28/2015 11:10	WG836763
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 11:10	WG836763
Chlorobenzene	U		0.348	1.00	1	12/28/2015 11:10	WG836763
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 11:10	WG836763
Chloroethane	U		0.453	5.00	1	12/28/2015 11:10	WG836763
Chloroform	U		0.324	5.00	1	12/28/2015 11:10	WG836763
Chloromethane	U		0.276	2.50	1	12/28/2015 11:10	WG836763
Dibromomethane	U		0.346	1.00	1	12/28/2015 11:10	WG836763
1,2-Dibromoethane	U		0.381	1.00	1	12/28/2015 11:10	WG836763
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 11:10	WG836763
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 11:10	WG836763
1,4-Dichlorobenzene	U		0.274	1.00	1	12/28/2015 11:10	WG836763
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 11:10	WG836763
1,1-Dichloroethane	0.452	J	0.259	1.00	1	12/28/2015 11:10	WG836763
1,2-Dichloroethane	U		0.361	1.00	1	12/28/2015 11:10	WG836763
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 11:10	WG836763
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/28/2015 11:10	WG836763
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 11:10	WG836763
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 11:10	WG836763
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 11:10	WG836763
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 11:10	WG836763
Ethylbenzene	U		0.384	1.00	1	12/28/2015 11:10	WG836763
2-Hexanone	U		3.82	10.0	1	12/28/2015 11:10	WG836763
Iodomethane	U		1.71	10.0	1	12/28/2015 11:10	WG836763
2-Butanone (MEK)	6.06	J	3.93	15.0	1	12/28/2015 11:10	WG836763
Methylene Chloride	U		1.00	5.00	1	12/28/2015 11:10	WG836763
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 11:10	WG836763
Styrene	U		0.307	1.00	1	12/28/2015 11:10	WG836763
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 11:10	WG836763
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 11:10	WG836763
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 11:10	WG836763
Toluene	U		0.780	5.00	1	12/28/2015 11:10	WG836763
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 11:10	WG836763
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 11:10	WG836763
Trichloroethene	U		0.398	1.00	1	12/28/2015 11:10	WG836763
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 11:10	WG836763
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 11:10	WG836763
Vinyl acetate	U		1.63	10.0	1	12/28/2015 11:10	WG836763
Vinyl chloride	U		0.259	1.00	1	12/28/2015 11:10	WG836763
Xylenes, Total	U		1.06	3.00	1	12/28/2015 11:10	WG836763
(S) Toluene-d8	*104*			*90.0-115*		*12/28/2015 11:10*	WG836763
(S) Dibromofluoromethane	*95.7*			*79.0-121*		*12/28/2015 11:10*	WG836763
(S) 4-Bromofluorobenzene	*97.6*			*80.1-120*		*12/28/2015 11:10*	WG836763

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	365000		2820	10000	1	12/21/2015 03:32	WG836805

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		6.50	50.0	1	12/18/2015 15:05	WG836482

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 09:51	WG837473

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	7150		51.9	1000	1	12/19/2015 11:48	WG836800
Sulfate	16500		77.4	5000	1	12/19/2015 11:48	WG836800

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	290	J	102	1000	1	12/19/2015 19:59	WG836614

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/23/2015 09:05	WG836890

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.218	J	0.210	2.00	1	12/22/2015 01:01	WG836934
Arsenic	1.03	J	0.250	2.00	1	12/22/2015 01:01	WG836934
Barium	35.4		0.360	5.00	1	12/22/2015 01:01	WG836934
Beryllium	U		0.120	2.00	1	12/22/2015 01:01	WG836934
Cadmium	0.970	J	0.160	1.00	1	12/22/2015 01:01	WG836934
Chromium	U		0.540	2.00	1	12/22/2015 01:01	WG836934
Copper	U		0.520	5.00	1	12/22/2015 01:01	WG836934
Cobalt	U		0.260	2.00	1	12/22/2015 01:01	WG836934
Iron	25.6	J	15.0	100	1	12/22/2015 01:01	WG836934
Lead	0.314	J	0.240	2.00	1	12/22/2015 01:01	WG836934
Manganese	1.79	J	0.250	5.00	1	12/22/2015 01:01	WG836934
Nickel	0.995	J	0.350	2.00	1	12/22/2015 01:01	WG836934
Selenium	U		0.380	2.00	1	12/22/2015 01:01	WG836934
Silver	U		0.310	2.00	1	12/22/2015 01:01	WG836934
Thallium	U		0.190	2.00	1	12/22/2015 01:01	WG836934
Tin	U		0.300	2.00	1	12/22/2015 01:01	WG836934
Vanadium	0.594	J	0.180	5.00	1	12/22/2015 01:01	WG836934
Zinc	96.4		2.56	25.0	1	12/22/2015 01:01	WG836934

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/28/2015 11:30	WG836763
Acrylonitrile	U		1.87	10.0	1	12/28/2015 11:30	WG836763
Benzene	U		0.331	1.00	1	12/28/2015 11:30	WG836763
Bromochloromethane	U		0.520	1.00	1	12/28/2015 11:30	WG836763
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 11:30	WG836763
Bromoform	U		0.469	1.00	1	12/28/2015 11:30	WG836763
Bromomethane	U		0.866	5.00	1	12/28/2015 11:30	WG836763
Carbon disulfide	U		0.275	1.00	1	12/28/2015 11:30	WG836763
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 11:30	WG836763
Chlorobenzene	U		0.348	1.00	1	12/28/2015 11:30	WG836763
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 11:30	WG836763
Chloroethane	U		0.453	5.00	1	12/28/2015 11:30	WG836763
Chloroform	U		0.324	5.00	1	12/28/2015 11:30	WG836763
Chloromethane	U		0.276	2.50	1	12/28/2015 11:30	WG836763
Dibromomethane	U		0.346	1.00	1	12/28/2015 11:30	WG836763
1,2-Dibromoethane	U		0.381	1.00	1	12/28/2015 11:30	WG836763
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 11:30	WG836763
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 11:30	WG836763
1,4-Dichlorobenzene	U		0.274	1.00	1	12/28/2015 11:30	WG836763
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 11:30	WG836763
1,1-Dichloroethane	U		0.259	1.00	1	12/28/2015 11:30	WG836763
1,2-Dichloroethane	U		0.361	1.00	1	12/28/2015 11:30	WG836763
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 11:30	WG836763
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/28/2015 11:30	WG836763
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 11:30	WG836763
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 11:30	WG836763
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 11:30	WG836763
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 11:30	WG836763
Ethylbenzene	U		0.384	1.00	1	12/28/2015 11:30	WG836763
2-Hexanone	U		3.82	10.0	1	12/28/2015 11:30	WG836763
Iodomethane	U		1.71	10.0	1	12/28/2015 11:30	WG836763
2-Butanone (MEK)	U		3.93	15.0	1	12/28/2015 11:30	WG836763
Methylene Chloride	U		1.00	5.00	1	12/28/2015 11:30	WG836763
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 11:30	WG836763
Styrene	U		0.307	1.00	1	12/28/2015 11:30	WG836763
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 11:30	WG836763
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 11:30	WG836763
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 11:30	WG836763
Toluene	U		0.780	5.00	1	12/28/2015 11:30	WG836763
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 11:30	WG836763
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 11:30	WG836763
Trichloroethene	U		0.398	1.00	1	12/28/2015 11:30	WG836763
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 11:30	WG836763
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 11:30	WG836763
Vinyl acetate	U		1.63	10.0	1	12/28/2015 11:30	WG836763
Vinyl chloride	U		0.259	1.00	1	12/28/2015 11:30	WG836763
Xylenes, Total	U		1.06	3.00	1	12/28/2015 11:30	WG836763
(S) Toluene-d8	*101*			*90.0-115*		*12/28/2015 11:30*	WG836763
(S) Dibromofluoromethane	*96.1*			*79.0-121*		*12/28/2015 11:30*	WG836763
(S) 4-Bromofluorobenzene	*101*			*80.1-120*		*12/28/2015 11:30*	WG836763

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	419000		2820	10000	1	12/22/2015 06:40	WG837332

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		6.50	50.0	1	12/18/2015 15:06	WG836482

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 09:52	WG837473

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	5560		51.9	1000	1	12/19/2015 12:17	WG836800
Sulfate	8440		77.4	5000	1	12/19/2015 12:17	WG836800

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	350	J	102	1000	1	12/19/2015 20:21	WG836614

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/23/2015 09:07	WG836890

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		0.210	2.00	1	12/22/2015 01:04	WG836934
Arsenic	1.08	J	0.250	2.00	1	12/22/2015 01:04	WG836934
Barium	33.6		0.360	5.00	1	12/22/2015 01:04	WG836934
Beryllium	U		0.120	2.00	1	12/22/2015 01:04	WG836934
Cadmium	U		0.160	1.00	1	12/22/2015 01:04	WG836934
Chromium	0.619	J	0.540	2.00	1	12/22/2015 01:04	WG836934
Copper	U		0.520	5.00	1	12/22/2015 01:04	WG836934
Cobalt	U		0.260	2.00	1	12/22/2015 01:04	WG836934
Iron	U		15.0	100	1	12/22/2015 01:04	WG836934
Lead	0.347	J	0.240	2.00	1	12/22/2015 01:04	WG836934
Manganese	0.971	J	0.250	5.00	1	12/22/2015 01:04	WG836934
Nickel	1.59	J	0.350	2.00	1	12/22/2015 01:04	WG836934
Selenium	U		0.380	2.00	1	12/22/2015 01:04	WG836934
Silver	U		0.310	2.00	1	12/22/2015 01:04	WG836934
Thallium	U		0.190	2.00	1	12/22/2015 01:04	WG836934
Tin	U		0.300	2.00	1	12/22/2015 01:04	WG836934
Vanadium	0.730	J	0.180	5.00	1	12/22/2015 01:04	WG836934
Zinc	25.0		2.56	25.0	1	12/22/2015 01:04	WG836934

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/28/2015 11:49	WG836763
Acrylonitrile	U		1.87	10.0	1	12/28/2015 11:49	WG836763
Benzene	U		0.331	1.00	1	12/28/2015 11:49	WG836763
Bromochloromethane	U		0.520	1.00	1	12/28/2015 11:49	WG836763
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 11:49	WG836763
Bromoform	U		0.469	1.00	1	12/28/2015 11:49	WG836763
Bromomethane	U		0.866	5.00	1	12/28/2015 11:49	WG836763
Carbon disulfide	U		0.275	1.00	1	12/28/2015 11:49	WG836763
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 11:49	WG836763
Chlorobenzene	U		0.348	1.00	1	12/28/2015 11:49	WG836763
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 11:49	WG836763
Chloroethane	U		0.453	5.00	1	12/28/2015 11:49	WG836763
Chloroform	U		0.324	5.00	1	12/28/2015 11:49	WG836763
Chloromethane	U		0.276	2.50	1	12/28/2015 11:49	WG836763
Dibromomethane	U		0.346	1.00	1	12/28/2015 11:49	WG836763
1,2-Dibromoethane	U		0.381	1.00	1	12/28/2015 11:49	WG836763
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 11:49	WG836763
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 11:49	WG836763
1,4-Dichlorobenzene	U		0.274	1.00	1	12/28/2015 11:49	WG836763
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 11:49	WG836763
1,1-Dichloroethane	U		0.259	1.00	1	12/28/2015 11:49	WG836763
1,2-Dichloroethane	U		0.361	1.00	1	12/28/2015 11:49	WG836763
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 11:49	WG836763
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/28/2015 11:49	WG836763
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 11:49	WG836763
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 11:49	WG836763
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 11:49	WG836763
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 11:49	WG836763
Ethylbenzene	U		0.384	1.00	1	12/28/2015 11:49	WG836763
2-Hexanone	U		3.82	10.0	1	12/28/2015 11:49	WG836763
Iodomethane	U		1.71	10.0	1	12/28/2015 11:49	WG836763
2-Butanone (MEK)	U		3.93	15.0	1	12/28/2015 11:49	WG836763
Methylene Chloride	U		1.00	5.00	1	12/28/2015 11:49	WG836763
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 11:49	WG836763
Styrene	U		0.307	1.00	1	12/28/2015 11:49	WG836763
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 11:49	WG836763
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 11:49	WG836763
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 11:49	WG836763
Toluene	U		0.780	5.00	1	12/28/2015 11:49	WG836763
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 11:49	WG836763
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 11:49	WG836763
Trichloroethene	U		0.398	1.00	1	12/28/2015 11:49	WG836763
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 11:49	WG836763
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 11:49	WG836763
Vinyl acetate	U		1.63	10.0	1	12/28/2015 11:49	WG836763
Vinyl chloride	U		0.259	1.00	1	12/28/2015 11:49	WG836763
Xylenes, Total	U		1.06	3.00	1	12/28/2015 11:49	WG836763
(S) Toluene-d8	*103*			*90.0-115*		*12/28/2015 11:49*	WG836763
(S) Dibromofluoromethane	*95.9*			*79.0-121*		*12/28/2015 11:49*	WG836763
(S) 4-Bromofluorobenzene	*101*			*80.1-120*		*12/28/2015 11:49*	WG836763

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	399000		2820	10000	1	12/22/2015 05:36	WG837338

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		6.50	50.0	1	12/18/2015 15:58	WG836485

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 09:53	WG837473

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	17900		51.9	1000	1	12/19/2015 12:32	WG836800
Sulfate	8660		77.4	5000	1	12/19/2015 12:32	WG836800

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	920	J	102	1000	1	12/19/2015 20:33	WG836614

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	0.0816	J	0.0490	0.200	1	12/23/2015 09:10	WG836890

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		0.210	2.00	1	12/22/2015 01:06	WG836934
Arsenic	1.03	J	0.250	2.00	1	12/22/2015 01:06	WG836934
Barium	47.3		0.360	5.00	1	12/22/2015 01:06	WG836934
Beryllium	U		0.120	2.00	1	12/22/2015 01:06	WG836934
Cadmium	0.442	J	0.160	1.00	1	12/22/2015 01:06	WG836934
Chromium	U		0.540	2.00	1	12/22/2015 01:06	WG836934
Copper	0.968	J	0.520	5.00	1	12/22/2015 01:06	WG836934
Cobalt	U		0.260	2.00	1	12/22/2015 01:06	WG836934
Iron	U		15.0	100	1	12/22/2015 01:06	WG836934
Lead	U		0.240	2.00	1	12/22/2015 01:06	WG836934
Manganese	1.01	J	0.250	5.00	1	12/22/2015 01:06	WG836934
Nickel	0.725	J	0.350	2.00	1	12/22/2015 01:06	WG836934
Selenium	U		0.380	2.00	1	12/22/2015 01:06	WG836934
Silver	U		0.310	2.00	1	12/22/2015 01:06	WG836934
Thallium	U		0.190	2.00	1	12/22/2015 01:06	WG836934
Tin	U		0.300	2.00	1	12/22/2015 01:06	WG836934
Vanadium	0.655	J	0.180	5.00	1	12/22/2015 01:06	WG836934
Zinc	40.1		2.56	25.0	1	12/22/2015 01:06	WG836934

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/28/2015 12:09	WG836763
Acrylonitrile	U		1.87	10.0	1	12/28/2015 12:09	WG836763
Benzene	U		0.331	1.00	1	12/28/2015 12:09	WG836763
Bromochloromethane	U		0.520	1.00	1	12/28/2015 12:09	WG836763
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 12:09	WG836763
Bromoform	U		0.469	1.00	1	12/28/2015 12:09	WG836763
Bromomethane	U		0.866	5.00	1	12/28/2015 12:09	WG836763
Carbon disulfide	U		0.275	1.00	1	12/28/2015 12:09	WG836763
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 12:09	WG836763
Chlorobenzene	U		0.348	1.00	1	12/28/2015 12:09	WG836763
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 12:09	WG836763
Chloroethane	U		0.453	5.00	1	12/28/2015 12:09	WG836763
Chloroform	U		0.324	5.00	1	12/28/2015 12:09	WG836763
Chloromethane	U		0.276	2.50	1	12/28/2015 12:09	WG836763
Dibromomethane	U		0.346	1.00	1	12/28/2015 12:09	WG836763
1,2-Dibromoethane	U		0.381	1.00	1	12/28/2015 12:09	WG836763
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 12:09	WG836763
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 12:09	WG836763
1,4-Dichlorobenzene	U		0.274	1.00	1	12/28/2015 12:09	WG836763
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 12:09	WG836763
1,1-Dichloroethane	U		0.259	1.00	1	12/28/2015 12:09	WG836763
1,2-Dichloroethane	U		0.361	1.00	1	12/28/2015 12:09	WG836763
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 12:09	WG836763
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/28/2015 12:09	WG836763
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 12:09	WG836763
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 12:09	WG836763
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 12:09	WG836763
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 12:09	WG836763
Ethylbenzene	U		0.384	1.00	1	12/28/2015 12:09	WG836763
2-Hexanone	U		3.82	10.0	1	12/28/2015 12:09	WG836763
Iodomethane	U		1.71	10.0	1	12/28/2015 12:09	WG836763
2-Butanone (MEK)	U		3.93	15.0	1	12/28/2015 12:09	WG836763
Methylene Chloride	U		1.00	5.00	1	12/28/2015 12:09	WG836763
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 12:09	WG836763
Styrene	U		0.307	1.00	1	12/28/2015 12:09	WG836763
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 12:09	WG836763
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 12:09	WG836763
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 12:09	WG836763
Toluene	U		0.780	5.00	1	12/28/2015 12:09	WG836763
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 12:09	WG836763
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 12:09	WG836763
Trichloroethene	U		0.398	1.00	1	12/28/2015 12:09	WG836763
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 12:09	WG836763
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 12:09	WG836763
Vinyl acetate	U		1.63	10.0	1	12/28/2015 12:09	WG836763
Vinyl chloride	U		0.259	1.00	1	12/28/2015 12:09	WG836763
Xylenes, Total	U		1.06	3.00	1	12/28/2015 12:09	WG836763
(S) Toluene-d8	*103*			*90.0-115*		*12/28/2015 12:09*	WG836763
(S) Dibromofluoromethane	*95.5*			*79.0-121*		*12/28/2015 12:09*	WG836763
(S) 4-Bromofluorobenzene	*100*			*80.1-120*		*12/28/2015 12:09*	WG836763

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	341000		2820	10000	1	12/21/2015 03:32	WG836805

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	9.00	J	6.50	50.0	1	12/18/2015 15:58	WG836485

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/24/2015 08:23	WG837808

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	1690		51.9	1000	1	12/19/2015 12:46	WG836800
Sulfate	7590		77.4	5000	1	12/19/2015 12:46	WG836800

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	540	J	102	1000	1	12/19/2015 20:44	WG836614

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/23/2015 09:12	WG836890

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.243	J	0.210	2.00	1	12/22/2015 01:09	WG836934
Arsenic	0.859	J	0.250	2.00	1	12/22/2015 01:09	WG836934
Barium	34.5		0.360	5.00	1	12/22/2015 01:09	WG836934
Beryllium	U		0.120	2.00	1	12/22/2015 01:09	WG836934
Cadmium	U		0.160	1.00	1	12/22/2015 01:09	WG836934
Chromium	0.749	J	0.540	2.00	1	12/22/2015 01:09	WG836934
Copper	2.30	J	0.520	5.00	1	12/22/2015 01:09	WG836934
Cobalt	U		0.260	2.00	1	12/22/2015 01:09	WG836934
Iron	U		15.0	100	1	12/22/2015 01:09	WG836934
Lead	U		0.240	2.00	1	12/22/2015 01:09	WG836934
Manganese	9.70		0.250	5.00	1	12/22/2015 01:09	WG836934
Nickel	0.790	J	0.350	2.00	1	12/22/2015 01:09	WG836934
Selenium	U		0.380	2.00	1	12/22/2015 01:09	WG836934
Silver	U		0.310	2.00	1	12/22/2015 01:09	WG836934
Thallium	U		0.190	2.00	1	12/22/2015 01:09	WG836934
Tin	U		0.300	2.00	1	12/22/2015 01:09	WG836934
Vanadium	0.684	J	0.180	5.00	1	12/22/2015 01:09	WG836934
Zinc	4.20	J	2.56	25.0	1	12/22/2015 01:09	WG836934

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/28/2015 12:28	WG836763
Acrylonitrile	U		1.87	10.0	1	12/28/2015 12:28	WG836763
Benzene	U		0.331	1.00	1	12/28/2015 12:28	WG836763
Bromochloromethane	U		0.520	1.00	1	12/28/2015 12:28	WG836763
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 12:28	WG836763
Bromoform	U		0.469	1.00	1	12/28/2015 12:28	WG836763
Bromomethane	U		0.866	5.00	1	12/28/2015 12:28	WG836763
Carbon disulfide	U		0.275	1.00	1	12/28/2015 12:28	WG836763
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 12:28	WG836763
Chlorobenzene	U		0.348	1.00	1	12/28/2015 12:28	WG836763
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 12:28	WG836763
Chloroethane	U		0.453	5.00	1	12/28/2015 12:28	WG836763
Chloroform	U		0.324	5.00	1	12/28/2015 12:28	WG836763
Chloromethane	U		0.276	2.50	1	12/28/2015 12:28	WG836763
Dibromomethane	U		0.346	1.00	1	12/28/2015 12:28	WG836763
1,2-Dibromoethane	U		0.381	1.00	1	12/28/2015 12:28	WG836763
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 12:28	WG836763
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 12:28	WG836763
1,4-Dichlorobenzene	U		0.274	1.00	1	12/28/2015 12:28	WG836763
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 12:28	WG836763
1,1-Dichloroethane	U		0.259	1.00	1	12/28/2015 12:28	WG836763
1,2-Dichloroethane	U		0.361	1.00	1	12/28/2015 12:28	WG836763
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 12:28	WG836763
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/28/2015 12:28	WG836763
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 12:28	WG836763
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 12:28	WG836763
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 12:28	WG836763
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 12:28	WG836763
Ethylbenzene	U		0.384	1.00	1	12/28/2015 12:28	WG836763
2-Hexanone	U		3.82	10.0	1	12/28/2015 12:28	WG836763
Iodomethane	U		1.71	10.0	1	12/28/2015 12:28	WG836763
2-Butanone (MEK)	U		3.93	15.0	1	12/28/2015 12:28	WG836763
Methylene Chloride	U		1.00	5.00	1	12/28/2015 12:28	WG836763
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 12:28	WG836763
Styrene	U		0.307	1.00	1	12/28/2015 12:28	WG836763
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 12:28	WG836763
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 12:28	WG836763
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 12:28	WG836763
Toluene	U		0.780	5.00	1	12/28/2015 12:28	WG836763
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 12:28	WG836763
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 12:28	WG836763
Trichloroethene	U		0.398	1.00	1	12/28/2015 12:28	WG836763
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 12:28	WG836763
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 12:28	WG836763
Vinyl acetate	U		1.63	10.0	1	12/28/2015 12:28	WG836763
Vinyl chloride	U		0.259	1.00	1	12/28/2015 12:28	WG836763
Xylenes, Total	U		1.06	3.00	1	12/28/2015 12:28	WG836763
(S) Toluene-d8	*102*			*90.0-115*		*12/28/2015 12:28*	WG836763
(S) Dibromofluoromethane	*96.1*			*79.0-121*		*12/28/2015 12:28*	WG836763
(S) 4-Bromofluorobenzene	*100*			*80.1-120*		*12/28/2015 12:28*	WG836763

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	798000		2820	10000	1	12/22/2015 05:36	WG837338

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		6.50	50.0	1	12/18/2015 15:59	WG836485

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 09:59	WG837473

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	109000		1040	20000	20	12/19/2015 13:00	WG836800
Sulfate	2310	J	77.4	5000	1	12/19/2015 17:49	WG836800

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	9950		102	1000	1	12/19/2015 20:56	WG836614

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/23/2015 09:20	WG836890

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		0.210	2.00	1	12/22/2015 01:12	WG836934
Arsenic	52.0		0.250	2.00	1	12/22/2015 01:12	WG836934
Barium	297		0.360	5.00	1	12/22/2015 01:12	WG836934
Beryllium	U		0.120	2.00	1	12/22/2015 01:12	WG836934
Cadmium	U		0.160	1.00	1	12/22/2015 01:12	WG836934
Chromium	U		0.540	2.00	1	12/22/2015 01:12	WG836934
Copper	2.40	J	0.520	5.00	1	12/22/2015 01:12	WG836934
Cobalt	26.4		0.260	2.00	1	12/22/2015 01:12	WG836934
Iron	32000		15.0	100	1	12/22/2015 01:12	WG836934
Lead	0.347	J	0.240	2.00	1	12/22/2015 01:12	WG836934
Manganese	2420		0.250	5.00	1	12/22/2015 01:12	WG836934
Nickel	34.9		0.350	2.00	1	12/22/2015 01:12	WG836934
Selenium	U		0.380	2.00	1	12/22/2015 01:12	WG836934
Silver	U		0.310	2.00	1	12/22/2015 01:12	WG836934
Thallium	U		0.190	2.00	1	12/22/2015 01:12	WG836934
Tin	0.658	J	0.300	2.00	1	12/22/2015 01:12	WG836934
Vanadium	1.44	J	0.180	5.00	1	12/22/2015 01:12	WG836934
Zinc	11.2	J	2.56	25.0	1	12/22/2015 01:12	WG836934

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/28/2015 12:47	WG836763
Acrylonitrile	U		1.87	10.0	1	12/28/2015 12:47	WG836763
Benzene	2.80		0.331	1.00	1	12/28/2015 12:47	WG836763
Bromochloromethane	U		0.520	1.00	1	12/28/2015 12:47	WG836763
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 12:47	WG836763
Bromoform	U		0.469	1.00	1	12/28/2015 12:47	WG836763
Bromomethane	U		0.866	5.00	1	12/28/2015 12:47	WG836763
Carbon disulfide	U		0.275	1.00	1	12/28/2015 12:47	WG836763
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 12:47	WG836763
Chlorobenzene	0.644	J	0.348	1.00	1	12/28/2015 12:47	WG836763
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 12:47	WG836763
Chloroethane	1.62	J	0.453	5.00	1	12/28/2015 12:47	WG836763
Chloroform	U		0.324	5.00	1	12/28/2015 12:47	WG836763
Chloromethane	U		0.276	2.50	1	12/28/2015 12:47	WG836763
Dibromomethane	U		0.346	1.00	1	12/28/2015 12:47	WG836763
1,2-Dibromoethane	U		0.381	1.00	1	12/28/2015 12:47	WG836763
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 12:47	WG836763
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 12:47	WG836763
1,4-Dichlorobenzene	U		0.274	1.00	1	12/28/2015 12:47	WG836763
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 12:47	WG836763
1,1-Dichloroethane	4.31		0.259	1.00	1	12/28/2015 12:47	WG836763
1,2-Dichloroethane	U		0.361	1.00	1	12/28/2015 12:47	WG836763
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 12:47	WG836763
cis-1,2-Dichloroethene	0.883	J	0.260	1.00	1	12/28/2015 12:47	WG836763
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 12:47	WG836763
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 12:47	WG836763
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 12:47	WG836763
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 12:47	WG836763
Ethylbenzene	U		0.384	1.00	1	12/28/2015 12:47	WG836763
2-Hexanone	U		3.82	10.0	1	12/28/2015 12:47	WG836763
Iodomethane	U		1.71	10.0	1	12/28/2015 12:47	WG836763
2-Butanone (MEK)	U		3.93	15.0	1	12/28/2015 12:47	WG836763
Methylene Chloride	U		1.00	5.00	1	12/28/2015 12:47	WG836763
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 12:47	WG836763
Styrene	U		0.307	1.00	1	12/28/2015 12:47	WG836763
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 12:47	WG836763
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 12:47	WG836763
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 12:47	WG836763
Toluene	U		0.780	5.00	1	12/28/2015 12:47	WG836763
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 12:47	WG836763
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 12:47	WG836763
Trichloroethene	U		0.398	1.00	1	12/28/2015 12:47	WG836763
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 12:47	WG836763
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 12:47	WG836763
Vinyl acetate	U		1.63	10.0	1	12/28/2015 12:47	WG836763
Vinyl chloride	1.59		0.259	1.00	1	12/28/2015 12:47	WG836763
Xylenes, Total	U		1.06	3.00	1	12/28/2015 12:47	WG836763
(S) Toluene-d8	*103*			*90.0-115*		*12/28/2015 12:47*	WG836763
(S) Dibromofluoromethane	*96.6*			*79.0-121*		*12/28/2015 12:47*	WG836763
(S) 4-Bromofluorobenzene	*100*			*80.1-120*		*12/28/2015 12:47*	WG836763

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	356000		2820	10000	1	12/21/2015 03:32	WG836805

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		6.50	50.0	1	12/18/2015 15:59	WG836485

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 10:00	WG837473

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	30300		51.9	1000	1	12/19/2015 13:15	WG836800
Sulfate	2740	J	77.4	5000	1	12/19/2015 13:15	WG836800

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2330		102	1000	1	12/19/2015 21:07	WG836614

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/23/2015 09:22	WG836890

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		0.210	2.00	1	12/22/2015 01:14	WG836934
Arsenic	1.32	J	0.250	2.00	1	12/22/2015 01:14	WG836934
Barium	71.6		0.360	5.00	1	12/22/2015 01:14	WG836934
Beryllium	U		0.120	2.00	1	12/22/2015 01:14	WG836934
Cadmium	0.993	J	0.160	1.00	1	12/22/2015 01:14	WG836934
Chromium	U		0.540	2.00	1	12/22/2015 01:14	WG836934
Copper	1.04	J	0.520	5.00	1	12/22/2015 01:14	WG836934
Cobalt	0.884	J	0.260	2.00	1	12/22/2015 01:14	WG836934
Iron	55.9	J	15.0	100	1	12/22/2015 01:14	WG836934
Lead	0.417	J	0.240	2.00	1	12/22/2015 01:14	WG836934
Manganese	1200		0.250	5.00	1	12/22/2015 01:14	WG836934
Nickel	21.1		0.350	2.00	1	12/22/2015 01:14	WG836934
Selenium	U		0.380	2.00	1	12/22/2015 01:14	WG836934
Silver	U		0.310	2.00	1	12/22/2015 01:14	WG836934
Thallium	0.411	J	0.190	2.00	1	12/22/2015 01:14	WG836934
Tin	U		0.300	2.00	1	12/22/2015 01:14	WG836934
Vanadium	0.785	J	0.180	5.00	1	12/22/2015 01:14	WG836934
Zinc	21.2	J	2.56	25.0	1	12/22/2015 01:14	WG836934

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/28/2015 13:07	WG836763
Acrylonitrile	U		1.87	10.0	1	12/28/2015 13:07	WG836763
Benzene	U		0.331	1.00	1	12/28/2015 13:07	WG836763
Bromochloromethane	U		0.520	1.00	1	12/28/2015 13:07	WG836763
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 13:07	WG836763
Bromoform	U		0.469	1.00	1	12/28/2015 13:07	WG836763
Bromomethane	U		0.866	5.00	1	12/28/2015 13:07	WG836763
Carbon disulfide	U		0.275	1.00	1	12/28/2015 13:07	WG836763
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 13:07	WG836763
Chlorobenzene	U		0.348	1.00	1	12/28/2015 13:07	WG836763
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 13:07	WG836763
Chloroethane	U		0.453	5.00	1	12/28/2015 13:07	WG836763
Chloroform	U		0.324	5.00	1	12/28/2015 13:07	WG836763
Chloromethane	U		0.276	2.50	1	12/28/2015 13:07	WG836763
Dibromomethane	U		0.346	1.00	1	12/28/2015 13:07	WG836763
1,2-Dibromoethane	U		0.381	1.00	1	12/28/2015 13:07	WG836763
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 13:07	WG836763
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 13:07	WG836763
1,4-Dichlorobenzene	U		0.274	1.00	1	12/28/2015 13:07	WG836763
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 13:07	WG836763
1,1-Dichloroethane	0.270	J	0.259	1.00	1	12/28/2015 13:07	WG836763
1,2-Dichloroethane	U		0.361	1.00	1	12/28/2015 13:07	WG836763
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 13:07	WG836763
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/28/2015 13:07	WG836763
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 13:07	WG836763
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 13:07	WG836763
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 13:07	WG836763
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 13:07	WG836763
Ethylbenzene	U		0.384	1.00	1	12/28/2015 13:07	WG836763
2-Hexanone	U		3.82	10.0	1	12/28/2015 13:07	WG836763
Iodomethane	U		1.71	10.0	1	12/28/2015 13:07	WG836763
2-Butanone (MEK)	U		3.93	15.0	1	12/28/2015 13:07	WG836763
Methylene Chloride	U		1.00	5.00	1	12/28/2015 13:07	WG836763
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 13:07	WG836763
Styrene	U		0.307	1.00	1	12/28/2015 13:07	WG836763
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 13:07	WG836763
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 13:07	WG836763
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 13:07	WG836763
Toluene	U		0.780	5.00	1	12/28/2015 13:07	WG836763
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 13:07	WG836763
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 13:07	WG836763
Trichloroethene	U		0.398	1.00	1	12/28/2015 13:07	WG836763
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 13:07	WG836763
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 13:07	WG836763
Vinyl acetate	U		1.63	10.0	1	12/28/2015 13:07	WG836763
Vinyl chloride	U		0.259	1.00	1	12/28/2015 13:07	WG836763
Xylenes, Total	U		1.06	3.00	1	12/28/2015 13:07	WG836763
(S) Toluene-d8	*102*			*90.0-115*		*12/28/2015 13:07*	WG836763
(S) Dibromofluoromethane	*94.9*			*79.0-121*		*12/28/2015 13:07*	WG836763
(S) 4-Bromofluorobenzene	*97.4*			*80.1-120*		*12/28/2015 13:07*	WG836763

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	269000		2820	10000	1	12/21/2015 03:32	WG836805

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	16.0	J	6.50	50.0	1	12/18/2015 15:59	WG836485

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 10:01	WG837473

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	11500		51.9	1000	1	12/19/2015 13:29	WG836800
Sulfate	6190		77.4	5000	1	12/19/2015 13:29	WG836800

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	930	J	102	1000	1	12/19/2015 21:18	WG836614

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/23/2015 09:24	WG836890

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.273	J	0.210	2.00	1	12/22/2015 01:17	WG836934
Arsenic	1.06	J	0.250	2.00	1	12/22/2015 01:17	WG836934
Barium	41.7		0.360	5.00	1	12/22/2015 01:17	WG836934
Beryllium	U		0.120	2.00	1	12/22/2015 01:17	WG836934
Cadmium	0.767	J	0.160	1.00	1	12/22/2015 01:17	WG836934
Chromium	0.612	J	0.540	2.00	1	12/22/2015 01:17	WG836934
Copper	1.50	J	0.520	5.00	1	12/22/2015 01:17	WG836934
Cobalt	U		0.260	2.00	1	12/22/2015 01:17	WG836934
Iron	90.9	J	15.0	100	1	12/22/2015 01:17	WG836934
Lead	1.14	J	0.240	2.00	1	12/22/2015 01:17	WG836934
Manganese	5.77		0.250	5.00	1	12/22/2015 01:17	WG836934
Nickel	2.41		0.350	2.00	1	12/22/2015 01:17	WG836934
Selenium	U		0.380	2.00	1	12/22/2015 01:17	WG836934
Silver	U		0.310	2.00	1	12/22/2015 01:17	WG836934
Thallium	U		0.190	2.00	1	12/22/2015 01:17	WG836934
Tin	U		0.300	2.00	1	12/22/2015 01:17	WG836934
Vanadium	0.997	J	0.180	5.00	1	12/22/2015 01:17	WG836934
Zinc	27.5		2.56	25.0	1	12/22/2015 01:17	WG836934

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/28/2015 13:26	WG836763
Acrylonitrile	U		1.87	10.0	1	12/28/2015 13:26	WG836763
Benzene	U		0.331	1.00	1	12/28/2015 13:26	WG836763
Bromochloromethane	U		0.520	1.00	1	12/28/2015 13:26	WG836763
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 13:26	WG836763
Bromoform	U		0.469	1.00	1	12/28/2015 13:26	WG836763
Bromomethane	U		0.866	5.00	1	12/28/2015 13:26	WG836763
Carbon disulfide	U		0.275	1.00	1	12/28/2015 13:26	WG836763
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 13:26	WG836763
Chlorobenzene	U		0.348	1.00	1	12/28/2015 13:26	WG836763
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 13:26	WG836763
Chloroethane	U		0.453	5.00	1	12/28/2015 13:26	WG836763
Chloroform	U		0.324	5.00	1	12/28/2015 13:26	WG836763
Chloromethane	U		0.276	2.50	1	12/28/2015 13:26	WG836763
Dibromomethane	U		0.346	1.00	1	12/28/2015 13:26	WG836763
1,2-Dibromoethane	U		0.381	1.00	1	12/28/2015 13:26	WG836763
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 13:26	WG836763
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 13:26	WG836763
1,4-Dichlorobenzene	U		0.274	1.00	1	12/28/2015 13:26	WG836763
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 13:26	WG836763
1,1-Dichloroethane	U		0.259	1.00	1	12/28/2015 13:26	WG836763
1,2-Dichloroethane	U		0.361	1.00	1	12/28/2015 13:26	WG836763
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 13:26	WG836763
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/28/2015 13:26	WG836763
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 13:26	WG836763
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 13:26	WG836763
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 13:26	WG836763
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 13:26	WG836763
Ethylbenzene	U		0.384	1.00	1	12/28/2015 13:26	WG836763
2-Hexanone	U		3.82	10.0	1	12/28/2015 13:26	WG836763
Iodomethane	U		1.71	10.0	1	12/28/2015 13:26	WG836763
2-Butanone (MEK)	U		3.93	15.0	1	12/28/2015 13:26	WG836763
Methylene Chloride	U		1.00	5.00	1	12/28/2015 13:26	WG836763
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 13:26	WG836763
Styrene	U		0.307	1.00	1	12/28/2015 13:26	WG836763
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 13:26	WG836763
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 13:26	WG836763
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 13:26	WG836763
Toluene	U		0.780	5.00	1	12/28/2015 13:26	WG836763
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 13:26	WG836763
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 13:26	WG836763
Trichloroethene	U		0.398	1.00	1	12/28/2015 13:26	WG836763
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 13:26	WG836763
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 13:26	WG836763
Vinyl acetate	U		1.63	10.0	1	12/28/2015 13:26	WG836763
Vinyl chloride	U		0.259	1.00	1	12/28/2015 13:26	WG836763
Xylenes, Total	U		1.06	3.00	1	12/28/2015 13:26	WG836763
(S) Toluene-d8	*102*			*90.0-115*		*12/28/2015 13:26*	WG836763
(S) Dibromofluoromethane	*96.1*			*79.0-121*		*12/28/2015 13:26*	WG836763
(S) 4-Bromofluorobenzene	*99.2*			*80.1-120*		*12/28/2015 13:26*	WG836763

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	412000		2820	10000	1	12/21/2015 03:32	WG836805

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	28.0	J	6.50	50.0	1	12/18/2015 15:59	WG836485

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 10:02	WG837473

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	5720		51.9	1000	1	12/19/2015 14:27	WG836800
Sulfate	17000		77.4	5000	1	12/19/2015 14:27	WG836800

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	510	J	102	1000	1	12/19/2015 21:36	WG836614

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/23/2015 09:27	WG836890

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.242	J	0.210	2.00	1	12/22/2015 01:20	WG836934
Arsenic	5.57		0.250	2.00	1	12/22/2015 01:20	WG836934
Barium	50.7		0.360	5.00	1	12/22/2015 01:20	WG836934
Beryllium	U		0.120	2.00	1	12/22/2015 01:20	WG836934
Cadmium	U		0.160	1.00	1	12/22/2015 01:20	WG836934
Chromium	1.09	J	0.540	2.00	1	12/22/2015 01:20	WG836934
Copper	0.874	J	0.520	5.00	1	12/22/2015 01:20	WG836934
Cobalt	U		0.260	2.00	1	12/22/2015 01:20	WG836934
Iron	68.1	J	15.0	100	1	12/22/2015 01:20	WG836934
Lead	0.839	J	0.240	2.00	1	12/22/2015 01:20	WG836934
Manganese	17.0		0.250	5.00	1	12/22/2015 01:20	WG836934
Nickel	3.08		0.350	2.00	1	12/22/2015 01:20	WG836934
Selenium	U		0.380	2.00	1	12/22/2015 01:20	WG836934
Silver	U		0.310	2.00	1	12/22/2015 01:20	WG836934
Thallium	U		0.190	2.00	1	12/22/2015 01:20	WG836934
Tin	0.313	J	0.300	2.00	1	12/22/2015 01:20	WG836934
Vanadium	0.709	J	0.180	5.00	1	12/22/2015 01:20	WG836934
Zinc	37.1		2.56	25.0	1	12/22/2015 01:20	WG836934

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/28/2015 13:45	WG836763
Acrylonitrile	U		1.87	10.0	1	12/28/2015 13:45	WG836763
Benzene	U		0.331	1.00	1	12/28/2015 13:45	WG836763
Bromochloromethane	U		0.520	1.00	1	12/28/2015 13:45	WG836763
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 13:45	WG836763
Bromoform	U		0.469	1.00	1	12/28/2015 13:45	WG836763
Bromomethane	U		0.866	5.00	1	12/28/2015 13:45	WG836763
Carbon disulfide	U		0.275	1.00	1	12/28/2015 13:45	WG836763
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 13:45	WG836763
Chlorobenzene	U		0.348	1.00	1	12/28/2015 13:45	WG836763
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 13:45	WG836763
Chloroethane	U		0.453	5.00	1	12/28/2015 13:45	WG836763
Chloroform	U		0.324	5.00	1	12/28/2015 13:45	WG836763
Chloromethane	U		0.276	2.50	1	12/28/2015 13:45	WG836763
Dibromomethane	U		0.346	1.00	1	12/28/2015 13:45	WG836763
1,2-Dibromoethane	U		0.381	1.00	1	12/28/2015 13:45	WG836763
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 13:45	WG836763
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 13:45	WG836763
1,4-Dichlorobenzene	U		0.274	1.00	1	12/28/2015 13:45	WG836763
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 13:45	WG836763
1,1-Dichloroethane	U		0.259	1.00	1	12/28/2015 13:45	WG836763
1,2-Dichloroethane	U		0.361	1.00	1	12/28/2015 13:45	WG836763
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 13:45	WG836763
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/28/2015 13:45	WG836763
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 13:45	WG836763
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 13:45	WG836763
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 13:45	WG836763
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 13:45	WG836763
Ethylbenzene	U		0.384	1.00	1	12/28/2015 13:45	WG836763
2-Hexanone	U		3.82	10.0	1	12/28/2015 13:45	WG836763
Iodomethane	U		1.71	10.0	1	12/28/2015 13:45	WG836763
2-Butanone (MEK)	U		3.93	15.0	1	12/28/2015 13:45	WG836763
Methylene Chloride	U		1.00	5.00	1	12/28/2015 13:45	WG836763
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 13:45	WG836763
Styrene	U		0.307	1.00	1	12/28/2015 13:45	WG836763
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 13:45	WG836763
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 13:45	WG836763
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 13:45	WG836763
Toluene	U		0.780	5.00	1	12/28/2015 13:45	WG836763
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 13:45	WG836763
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 13:45	WG836763
Trichloroethene	U		0.398	1.00	1	12/28/2015 13:45	WG836763
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 13:45	WG836763
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 13:45	WG836763
Vinyl acetate	U		1.63	10.0	1	12/28/2015 13:45	WG836763
Vinyl chloride	U		0.259	1.00	1	12/28/2015 13:45	WG836763
Xylenes, Total	U		1.06	3.00	1	12/28/2015 13:45	WG836763
(S) Toluene-d8	*116*	J1		*90.0-115*		*12/28/2015 13:45*	WG836763
(S) Dibromofluoromethane	*91.8*			*79.0-121*		*12/28/2015 13:45*	WG836763
(S) 4-Bromofluorobenzene	*100*			*80.1-120*		*12/28/2015 13:45*	WG836763

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	372000		2820	10000	1	12/21/2015 04:05	WG836806

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	11.0	J	6.50	50.0	1	12/18/2015 16:00	WG836485

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 10:04	WG837473

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	3140		51.9	1000	1	12/19/2015 14:41	WG836800
Sulfate	9930		77.4	5000	1	12/19/2015 14:41	WG836800

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1510		102	1000	1	12/19/2015 21:47	WG836614

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/23/2015 09:29	WG836890

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.795	J	0.210	2.00	1	12/22/2015 01:28	WG836934
Arsenic	1.40	J	0.250	2.00	1	12/22/2015 01:28	WG836934
Barium	37.2		0.360	5.00	1	12/22/2015 01:28	WG836934
Beryllium	U		0.120	2.00	1	12/22/2015 01:28	WG836934
Cadmium	0.442	J	0.160	1.00	1	12/22/2015 01:28	WG836934
Chromium	1.82	J	0.540	2.00	1	12/22/2015 01:28	WG836934
Copper	2.31	J	0.520	5.00	1	12/22/2015 01:28	WG836934
Cobalt	0.291	J	0.260	2.00	1	12/22/2015 01:28	WG836934
Iron	506		15.0	100	1	12/22/2015 01:28	WG836934
Lead	1.42	J	0.240	2.00	1	12/22/2015 01:28	WG836934
Manganese	31.6		0.250	5.00	1	12/22/2015 01:28	WG836934
Nickel	2.28		0.350	2.00	1	12/22/2015 01:28	WG836934
Selenium	U		0.380	2.00	1	12/22/2015 01:28	WG836934
Silver	U		0.310	2.00	1	12/22/2015 01:28	WG836934
Thallium	U		0.190	2.00	1	12/22/2015 01:28	WG836934
Tin	U		0.300	2.00	1	12/22/2015 01:28	WG836934
Vanadium	1.99	J	0.180	5.00	1	12/22/2015 01:28	WG836934
Zinc	96.3		2.56	25.0	1	12/22/2015 01:28	WG836934

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/28/2015 14:05	WG836763
Acrylonitrile	U		1.87	10.0	1	12/28/2015 14:05	WG836763
Benzene	U		0.331	1.00	1	12/28/2015 14:05	WG836763
Bromochloromethane	U		0.520	1.00	1	12/28/2015 14:05	WG836763
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 14:05	WG836763
Bromoform	U		0.469	1.00	1	12/28/2015 14:05	WG836763
Bromomethane	U		0.866	5.00	1	12/28/2015 14:05	WG836763
Carbon disulfide	U		0.275	1.00	1	12/28/2015 14:05	WG836763
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 14:05	WG836763
Chlorobenzene	U		0.348	1.00	1	12/28/2015 14:05	WG836763
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 14:05	WG836763
Chloroethane	U		0.453	5.00	1	12/28/2015 14:05	WG836763
Chloroform	U		0.324	5.00	1	12/28/2015 14:05	WG836763
Chloromethane	U		0.276	2.50	1	12/28/2015 14:05	WG836763
Dibromomethane	U		0.346	1.00	1	12/28/2015 14:05	WG836763
1,2-Dibromoethane	U		0.381	1.00	1	12/28/2015 14:05	WG836763
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 14:05	WG836763
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 14:05	WG836763
1,4-Dichlorobenzene	U		0.274	1.00	1	12/28/2015 14:05	WG836763
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 14:05	WG836763
1,1-Dichloroethane	U		0.259	1.00	1	12/28/2015 14:05	WG836763
1,2-Dichloroethane	U		0.361	1.00	1	12/28/2015 14:05	WG836763
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 14:05	WG836763
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/28/2015 14:05	WG836763
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 14:05	WG836763
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 14:05	WG836763
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 14:05	WG836763
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 14:05	WG836763
Ethylbenzene	U		0.384	1.00	1	12/28/2015 14:05	WG836763
2-Hexanone	U		3.82	10.0	1	12/28/2015 14:05	WG836763
Iodomethane	U		1.71	10.0	1	12/28/2015 14:05	WG836763
2-Butanone (MEK)	U		3.93	15.0	1	12/28/2015 14:05	WG836763
Methylene Chloride	U		1.00	5.00	1	12/28/2015 14:05	WG836763
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 14:05	WG836763
Styrene	U		0.307	1.00	1	12/28/2015 14:05	WG836763
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 14:05	WG836763
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 14:05	WG836763
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 14:05	WG836763
Toluene	U		0.780	5.00	1	12/28/2015 14:05	WG836763
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 14:05	WG836763
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 14:05	WG836763
Trichloroethene	U		0.398	1.00	1	12/28/2015 14:05	WG836763
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 14:05	WG836763
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 14:05	WG836763
Vinyl acetate	U		1.63	10.0	1	12/28/2015 14:05	WG836763
Vinyl chloride	U		0.259	1.00	1	12/28/2015 14:05	WG836763
Xylenes, Total	U		1.06	3.00	1	12/28/2015 14:05	WG836763
(S) Toluene-d8	*103*			*90.0-115*		*12/28/2015 14:05*	WG836763
(S) Dibromofluoromethane	*95.9*			*79.0-121*		*12/28/2015 14:05*	WG836763
(S) 4-Bromofluorobenzene	*99.4*			*80.1-120*		*12/28/2015 14:05*	WG836763

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	385000		2820	10000	1	12/21/2015 04:05	WG836806

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		6.50	50.0	1	12/18/2015 16:00	WG836485

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 10:05	WG837473

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	3410		51.9	1000	1	12/19/2015 14:56	WG836800
Sulfate	30000		77.4	5000	1	12/19/2015 14:56	WG836800

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	910	J	102	1000	1	12/19/2015 21:58	WG836614

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/23/2015 09:32	WG836890

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.683	J	0.210	2.00	1	12/22/2015 01:31	WG836934
Arsenic	3.38		0.250	2.00	1	12/22/2015 01:31	WG836934
Barium	48.3		0.360	5.00	1	12/22/2015 01:31	WG836934
Beryllium	U		0.120	2.00	1	12/22/2015 01:31	WG836934
Cadmium	1.42		0.160	1.00	1	12/22/2015 01:31	WG836934
Chromium	0.790	J	0.540	2.00	1	12/22/2015 01:31	WG836934
Copper	2.70	J	0.520	5.00	1	12/22/2015 01:31	WG836934
Cobalt	0.579	J	0.260	2.00	1	12/22/2015 01:31	WG836934
Iron	41.1	J	15.0	100	1	12/22/2015 01:31	WG836934
Lead	0.659	J	0.240	2.00	1	12/22/2015 01:31	WG836934
Manganese	7.68		0.250	5.00	1	12/22/2015 01:31	WG836934
Nickel	10.2		0.350	2.00	1	12/22/2015 01:31	WG836934
Selenium	U		0.380	2.00	1	12/22/2015 01:31	WG836934
Silver	U		0.310	2.00	1	12/22/2015 01:31	WG836934
Thallium	0.453	J	0.190	2.00	1	12/22/2015 01:31	WG836934
Tin	0.353	J	0.300	2.00	1	12/22/2015 01:31	WG836934
Vanadium	0.604	J	0.180	5.00	1	12/22/2015 01:31	WG836934
Zinc	482		2.56	25.0	1	12/22/2015 01:31	WG836934

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/28/2015 14:24	WG836763
Acrylonitrile	U		1.87	10.0	1	12/28/2015 14:24	WG836763
Benzene	U		0.331	1.00	1	12/28/2015 14:24	WG836763
Bromochloromethane	U		0.520	1.00	1	12/28/2015 14:24	WG836763
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 14:24	WG836763
Bromoform	U		0.469	1.00	1	12/28/2015 14:24	WG836763
Bromomethane	U		0.866	5.00	1	12/28/2015 14:24	WG836763
Carbon disulfide	U		0.275	1.00	1	12/28/2015 14:24	WG836763
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 14:24	WG836763
Chlorobenzene	U		0.348	1.00	1	12/28/2015 14:24	WG836763
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 14:24	WG836763
Chloroethane	U		0.453	5.00	1	12/28/2015 14:24	WG836763
Chloroform	U		0.324	5.00	1	12/28/2015 14:24	WG836763
Chloromethane	U		0.276	2.50	1	12/28/2015 14:24	WG836763
Dibromomethane	U		0.346	1.00	1	12/28/2015 14:24	WG836763
1,2-Dibromoethane	U		0.381	1.00	1	12/28/2015 14:24	WG836763
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 14:24	WG836763
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 14:24	WG836763
1,4-Dichlorobenzene	U		0.274	1.00	1	12/28/2015 14:24	WG836763
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 14:24	WG836763
1,1-Dichloroethane	U		0.259	1.00	1	12/28/2015 14:24	WG836763
1,2-Dichloroethane	U		0.361	1.00	1	12/28/2015 14:24	WG836763
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 14:24	WG836763
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/28/2015 14:24	WG836763
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 14:24	WG836763
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 14:24	WG836763
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 14:24	WG836763
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 14:24	WG836763
Ethylbenzene	U		0.384	1.00	1	12/28/2015 14:24	WG836763
2-Hexanone	U		3.82	10.0	1	12/28/2015 14:24	WG836763
Iodomethane	U		1.71	10.0	1	12/28/2015 14:24	WG836763
2-Butanone (MEK)	U		3.93	15.0	1	12/28/2015 14:24	WG836763
Methylene Chloride	U		1.00	5.00	1	12/28/2015 14:24	WG836763
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 14:24	WG836763
Styrene	U		0.307	1.00	1	12/28/2015 14:24	WG836763
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 14:24	WG836763
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 14:24	WG836763
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 14:24	WG836763
Toluene	U		0.780	5.00	1	12/28/2015 14:24	WG836763
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 14:24	WG836763
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 14:24	WG836763
Trichloroethene	U		0.398	1.00	1	12/28/2015 14:24	WG836763
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 14:24	WG836763
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 14:24	WG836763
Vinyl acetate	U		1.63	10.0	1	12/28/2015 14:24	WG836763
Vinyl chloride	U		0.259	1.00	1	12/28/2015 14:24	WG836763
Xylenes, Total	U		1.06	3.00	1	12/28/2015 14:24	WG836763
(S) Toluene-d8	*103*			*90.0-115*		*12/28/2015 14:24*	WG836763
(S) Dibromofluoromethane	*97.0*			*79.0-121*		*12/28/2015 14:24*	WG836763
(S) 4-Bromofluorobenzene	*97.9*			*80.1-120*		*12/28/2015 14:24*	WG836763

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	303000		2820	10000	1	12/21/2015 04:05	WG836806

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	11.0	J	6.50	50.0	1	12/18/2015 16:01	WG836485

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 10:06	WG837473

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	3530		51.9	1000	1	12/19/2015 15:25	WG836800
Sulfate	22400		77.4	5000	1	12/19/2015 15:25	WG836800

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2340		102	1000	1	12/23/2015 14:25	WG836785

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/23/2015 09:34	WG836890

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.327	J	0.210	2.00	1	12/22/2015 01:33	WG836934
Arsenic	2.83		0.250	2.00	1	12/22/2015 01:33	WG836934
Barium	34.6		0.360	5.00	1	12/22/2015 01:33	WG836934
Beryllium	U		0.120	2.00	1	12/22/2015 01:33	WG836934
Cadmium	U		0.160	1.00	1	12/22/2015 01:33	WG836934
Chromium	U		0.540	2.00	1	12/22/2015 01:33	WG836934
Copper	1.09	J	0.520	5.00	1	12/22/2015 01:33	WG836934
Cobalt	0.587	J	0.260	2.00	1	12/22/2015 01:33	WG836934
Iron	120		15.0	100	1	12/22/2015 01:33	WG836934
Lead	2.32		0.240	2.00	1	12/22/2015 01:33	WG836934
Manganese	6.03		0.250	5.00	1	12/22/2015 01:33	WG836934
Nickel	4.68		0.350	2.00	1	12/22/2015 01:33	WG836934
Selenium	U		0.380	2.00	1	12/22/2015 01:33	WG836934
Silver	U		0.310	2.00	1	12/22/2015 01:33	WG836934
Thallium	U		0.190	2.00	1	12/22/2015 01:33	WG836934
Tin	U		0.300	2.00	1	12/22/2015 01:33	WG836934
Vanadium	0.835	J	0.180	5.00	1	12/22/2015 01:33	WG836934
Zinc	36.8		2.56	25.0	1	12/22/2015 01:33	WG836934

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/28/2015 14:44	WG836763
Acrylonitrile	U		1.87	10.0	1	12/28/2015 14:44	WG836763
Benzene	U		0.331	1.00	1	12/28/2015 14:44	WG836763
Bromochloromethane	U		0.520	1.00	1	12/28/2015 14:44	WG836763
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 14:44	WG836763
Bromoform	U		0.469	1.00	1	12/28/2015 14:44	WG836763
Bromomethane	U		0.866	5.00	1	12/28/2015 14:44	WG836763
Carbon disulfide	U		0.275	1.00	1	12/28/2015 14:44	WG836763
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 14:44	WG836763
Chlorobenzene	U		0.348	1.00	1	12/28/2015 14:44	WG836763
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 14:44	WG836763
Chloroethane	U		0.453	5.00	1	12/28/2015 14:44	WG836763
Chloroform	U		0.324	5.00	1	12/28/2015 14:44	WG836763
Chloromethane	U		0.276	2.50	1	12/28/2015 14:44	WG836763
Dibromomethane	U		0.346	1.00	1	12/28/2015 14:44	WG836763
1,2-Dibromoethane	U		0.381	1.00	1	12/28/2015 14:44	WG836763
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 14:44	WG836763
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 14:44	WG836763
1,4-Dichlorobenzene	U		0.274	1.00	1	12/28/2015 14:44	WG836763
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 14:44	WG836763
1,1-Dichloroethane	U		0.259	1.00	1	12/28/2015 14:44	WG836763
1,2-Dichloroethane	U		0.361	1.00	1	12/28/2015 14:44	WG836763
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 14:44	WG836763
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/28/2015 14:44	WG836763
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 14:44	WG836763
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 14:44	WG836763
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 14:44	WG836763
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 14:44	WG836763
Ethylbenzene	U		0.384	1.00	1	12/28/2015 14:44	WG836763
2-Hexanone	U		3.82	10.0	1	12/28/2015 14:44	WG836763
Iodomethane	U		1.71	10.0	1	12/28/2015 14:44	WG836763
2-Butanone (MEK)	U		3.93	15.0	1	12/28/2015 14:44	WG836763
Methylene Chloride	U		1.00	5.00	1	12/28/2015 14:44	WG836763
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 14:44	WG836763
Styrene	U		0.307	1.00	1	12/28/2015 14:44	WG836763
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 14:44	WG836763
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 14:44	WG836763
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 14:44	WG836763
Toluene	U		0.780	5.00	1	12/28/2015 14:44	WG836763
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 14:44	WG836763
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 14:44	WG836763
Trichloroethene	U		0.398	1.00	1	12/28/2015 14:44	WG836763
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 14:44	WG836763
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 14:44	WG836763
Vinyl acetate	U		1.63	10.0	1	12/28/2015 14:44	WG836763
Vinyl chloride	U		0.259	1.00	1	12/28/2015 14:44	WG836763
Xylenes, Total	U		1.06	3.00	1	12/28/2015 14:44	WG836763
(S) Toluene-d8	*102*			*90.0-115*		*12/28/2015 14:44*	WG836763
(S) Dibromofluoromethane	*96.4*			*79.0-121*		*12/28/2015 14:44*	WG836763
(S) 4-Bromofluorobenzene	*99.1*			*80.1-120*		*12/28/2015 14:44*	WG836763

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	341000		2820	10000	1	12/21/2015 04:05	WG836806

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		6.50	50.0	1	12/18/2015 16:01	WG836485

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 10:07	WG837473

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	1860		51.9	1000	1	12/19/2015 16:08	WG836800
Sulfate	10700		77.4	5000	1	12/19/2015 16:08	WG836800

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2320		102	1000	1	12/23/2015 14:50	WG836785

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/23/2015 09:37	WG836890

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.327	J	0.210	2.00	1	12/22/2015 01:36	WG836934
Arsenic	4.79		0.250	2.00	1	12/22/2015 01:36	WG836934
Barium	30.6		0.360	5.00	1	12/22/2015 01:36	WG836934
Beryllium	U		0.120	2.00	1	12/22/2015 01:36	WG836934
Cadmium	U		0.160	1.00	1	12/22/2015 01:36	WG836934
Chromium	U		0.540	2.00	1	12/22/2015 01:36	WG836934
Copper	1.11	J	0.520	5.00	1	12/22/2015 01:36	WG836934
Cobalt	U		0.260	2.00	1	12/22/2015 01:36	WG836934
Iron	31.0	J	15.0	100	1	12/22/2015 01:36	WG836934
Lead	0.326	J	0.240	2.00	1	12/22/2015 01:36	WG836934
Manganese	6.90		0.250	5.00	1	12/22/2015 01:36	WG836934
Nickel	U		0.350	2.00	1	12/22/2015 01:36	WG836934
Selenium	U		0.380	2.00	1	12/22/2015 01:36	WG836934
Silver	U		0.310	2.00	1	12/22/2015 01:36	WG836934
Thallium	U		0.190	2.00	1	12/22/2015 01:36	WG836934
Tin	U		0.300	2.00	1	12/22/2015 01:36	WG836934
Vanadium	0.669	J	0.180	5.00	1	12/22/2015 01:36	WG836934
Zinc	3.19	J	2.56	25.0	1	12/22/2015 01:36	WG836934

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/28/2015 15:03	WG836763
Acrylonitrile	U		1.87	10.0	1	12/28/2015 15:03	WG836763
Benzene	U		0.331	1.00	1	12/28/2015 15:03	WG836763
Bromochloromethane	U		0.520	1.00	1	12/28/2015 15:03	WG836763
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 15:03	WG836763
Bromoform	U		0.469	1.00	1	12/28/2015 15:03	WG836763
Bromomethane	U		0.866	5.00	1	12/28/2015 15:03	WG836763
Carbon disulfide	U		0.275	1.00	1	12/28/2015 15:03	WG836763
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 15:03	WG836763
Chlorobenzene	U		0.348	1.00	1	12/28/2015 15:03	WG836763
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 15:03	WG836763
Chloroethane	U		0.453	5.00	1	12/28/2015 15:03	WG836763
Chloroform	U		0.324	5.00	1	12/28/2015 15:03	WG836763
Chloromethane	U		0.276	2.50	1	12/28/2015 15:03	WG836763
Dibromomethane	U		0.346	1.00	1	12/28/2015 15:03	WG836763
1,2-Dibromoethane	U		0.381	1.00	1	12/28/2015 15:03	WG836763
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 15:03	WG836763
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 15:03	WG836763
1,4-Dichlorobenzene	U		0.274	1.00	1	12/28/2015 15:03	WG836763
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 15:03	WG836763
1,1-Dichloroethane	U		0.259	1.00	1	12/28/2015 15:03	WG836763
1,2-Dichloroethane	U		0.361	1.00	1	12/28/2015 15:03	WG836763
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 15:03	WG836763
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/28/2015 15:03	WG836763
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 15:03	WG836763
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 15:03	WG836763
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 15:03	WG836763
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 15:03	WG836763
Ethylbenzene	U		0.384	1.00	1	12/28/2015 15:03	WG836763
2-Hexanone	U		3.82	10.0	1	12/28/2015 15:03	WG836763
Iodomethane	U		1.71	10.0	1	12/28/2015 15:03	WG836763
2-Butanone (MEK)	U		3.93	15.0	1	12/28/2015 15:03	WG836763
Methylene Chloride	U		1.00	5.00	1	12/28/2015 15:03	WG836763
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 15:03	WG836763
Styrene	U		0.307	1.00	1	12/28/2015 15:03	WG836763
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 15:03	WG836763
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 15:03	WG836763
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 15:03	WG836763
Toluene	U		0.780	5.00	1	12/28/2015 15:03	WG836763
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 15:03	WG836763
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 15:03	WG836763
Trichloroethene	U		0.398	1.00	1	12/28/2015 15:03	WG836763
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 15:03	WG836763
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 15:03	WG836763
Vinyl acetate	U		1.63	10.0	1	12/28/2015 15:03	WG836763
Vinyl chloride	U		0.259	1.00	1	12/28/2015 15:03	WG836763
Xylenes, Total	U		1.06	3.00	1	12/28/2015 15:03	WG836763
(S) Toluene-d8	*104*			*90.0-115*		*12/28/2015 15:03*	WG836763
(S) Dibromofluoromethane	*95.6*			*79.0-121*		*12/28/2015 15:03*	WG836763
(S) 4-Bromofluorobenzene	*99.0*			*80.1-120*		*12/28/2015 15:03*	WG836763

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	300000		2820	10000	1	12/21/2015 04:05	WG836806

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		6.50	50.0	1	12/18/2015 16:02	WG836485

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 10:08	WG837473

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	4870		51.9	1000	1	12/19/2015 16:22	WG836800
Sulfate	11600		77.4	5000	1	12/19/2015 16:22	WG836800

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1780		102	1000	1	12/23/2015 15:48	WG836785

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/23/2015 09:39	WG836890

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		0.210	2.00	1	12/22/2015 01:39	WG836934
Arsenic	0.864	J	0.250	2.00	1	12/22/2015 01:39	WG836934
Barium	29.2		0.360	5.00	1	12/22/2015 01:39	WG836934
Beryllium	U		0.120	2.00	1	12/22/2015 01:39	WG836934
Cadmium	3.93		0.160	1.00	1	12/22/2015 01:39	WG836934
Chromium	0.925	J	0.540	2.00	1	12/22/2015 01:39	WG836934
Copper	1.17	J	0.520	5.00	1	12/22/2015 01:39	WG836934
Cobalt	U		0.260	2.00	1	12/22/2015 01:39	WG836934
Iron	72.0	J	15.0	100	1	12/22/2015 01:39	WG836934
Lead	0.602	J	0.240	2.00	1	12/22/2015 01:39	WG836934
Manganese	3.38	J	0.250	5.00	1	12/22/2015 01:39	WG836934
Nickel	1.14	J	0.350	2.00	1	12/22/2015 01:39	WG836934
Selenium	U		0.380	2.00	1	12/22/2015 01:39	WG836934
Silver	U		0.310	2.00	1	12/22/2015 01:39	WG836934
Thallium	U		0.190	2.00	1	12/22/2015 01:39	WG836934
Tin	U		0.300	2.00	1	12/22/2015 01:39	WG836934
Vanadium	1.31	J	0.180	5.00	1	12/22/2015 01:39	WG836934
Zinc	366		2.56	25.0	1	12/22/2015 01:39	WG836934

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/28/2015 15:22	WG836763
Acrylonitrile	U		1.87	10.0	1	12/28/2015 15:22	WG836763
Benzene	U		0.331	1.00	1	12/28/2015 15:22	WG836763
Bromochloromethane	U		0.520	1.00	1	12/28/2015 15:22	WG836763
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 15:22	WG836763
Bromoform	U		0.469	1.00	1	12/28/2015 15:22	WG836763
Bromomethane	U		0.866	5.00	1	12/28/2015 15:22	WG836763
Carbon disulfide	U		0.275	1.00	1	12/28/2015 15:22	WG836763
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 15:22	WG836763
Chlorobenzene	U		0.348	1.00	1	12/28/2015 15:22	WG836763
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 15:22	WG836763
Chloroethane	U		0.453	5.00	1	12/28/2015 15:22	WG836763
Chloroform	U		0.324	5.00	1	12/28/2015 15:22	WG836763
Chloromethane	U		0.276	2.50	1	12/28/2015 15:22	WG836763
Dibromomethane	U		0.346	1.00	1	12/28/2015 15:22	WG836763
1,2-Dibromoethane	U		0.381	1.00	1	12/28/2015 15:22	WG836763
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 15:22	WG836763
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 15:22	WG836763
1,4-Dichlorobenzene	U		0.274	1.00	1	12/28/2015 15:22	WG836763
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 15:22	WG836763
1,1-Dichloroethane	U		0.259	1.00	1	12/28/2015 15:22	WG836763
1,2-Dichloroethane	U		0.361	1.00	1	12/28/2015 15:22	WG836763
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 15:22	WG836763
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/28/2015 15:22	WG836763
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 15:22	WG836763
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 15:22	WG836763
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 15:22	WG836763
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 15:22	WG836763
Ethylbenzene	U		0.384	1.00	1	12/28/2015 15:22	WG836763
2-Hexanone	U		3.82	10.0	1	12/28/2015 15:22	WG836763
Iodomethane	U		1.71	10.0	1	12/28/2015 15:22	WG836763
2-Butanone (MEK)	U		3.93	15.0	1	12/28/2015 15:22	WG836763
Methylene Chloride	U		1.00	5.00	1	12/28/2015 15:22	WG836763
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 15:22	WG836763
Styrene	U		0.307	1.00	1	12/28/2015 15:22	WG836763
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 15:22	WG836763
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 15:22	WG836763
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 15:22	WG836763
Toluene	U		0.780	5.00	1	12/28/2015 15:22	WG836763
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 15:22	WG836763
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 15:22	WG836763
Trichloroethene	U		0.398	1.00	1	12/28/2015 15:22	WG836763
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 15:22	WG836763
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 15:22	WG836763
Vinyl acetate	U		1.63	10.0	1	12/28/2015 15:22	WG836763
Vinyl chloride	U		0.259	1.00	1	12/28/2015 15:22	WG836763
Xylenes, Total	U		1.06	3.00	1	12/28/2015 15:22	WG836763
(S) Toluene-d8	*102*			*90.0-115*		*12/28/2015 15:22*	WG836763
(S) Dibromofluoromethane	*96.8*			*79.0-121*		*12/28/2015 15:22*	WG836763
(S) 4-Bromofluorobenzene	*98.8*			*80.1-120*		*12/28/2015 15:22*	WG836763

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	382000		2820	10000	1	12/21/2015 04:05	WG836806

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	11.0	J	6.50	50.0	1	12/18/2015 16:02	WG836485

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 10:09	WG837473

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	2270		51.9	1000	1	12/19/2015 16:37	WG836800
Sulfate	22900		77.4	5000	1	12/19/2015 16:37	WG836800

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1930		102	1000	1	12/23/2015 16:03	WG836785

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/23/2015 09:42	WG836890

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	U		0.210	2.00	1	12/22/2015 01:42	WG836934
Arsenic	1.96	J	0.250	2.00	1	12/22/2015 01:42	WG836934
Barium	24.7		0.360	5.00	1	12/22/2015 01:42	WG836934
Beryllium	U		0.120	2.00	1	12/22/2015 01:42	WG836934
Cadmium	U		0.160	1.00	1	12/22/2015 01:42	WG836934
Chromium	1.44	J	0.540	2.00	1	12/22/2015 01:42	WG836934
Copper	1.19	J	0.520	5.00	1	12/22/2015 01:42	WG836934
Cobalt	U		0.260	2.00	1	12/22/2015 01:42	WG836934
Iron	189		15.0	100	1	12/22/2015 01:42	WG836934
Lead	0.694	J	0.240	2.00	1	12/22/2015 01:42	WG836934
Manganese	7.49		0.250	5.00	1	12/22/2015 01:42	WG836934
Nickel	0.970	J	0.350	2.00	1	12/22/2015 01:42	WG836934
Selenium	U		0.380	2.00	1	12/22/2015 01:42	WG836934
Silver	U		0.310	2.00	1	12/22/2015 01:42	WG836934
Thallium	U		0.190	2.00	1	12/22/2015 01:42	WG836934
Tin	U		0.300	2.00	1	12/22/2015 01:42	WG836934
Vanadium	0.934	J	0.180	5.00	1	12/22/2015 01:42	WG836934
Zinc	U		2.56	25.0	1	12/22/2015 01:42	WG836934

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/28/2015 15:42	WG836763
Acrylonitrile	U		1.87	10.0	1	12/28/2015 15:42	WG836763
Benzene	U		0.331	1.00	1	12/28/2015 15:42	WG836763
Bromochloromethane	U		0.520	1.00	1	12/28/2015 15:42	WG836763
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 15:42	WG836763
Bromoform	U		0.469	1.00	1	12/28/2015 15:42	WG836763
Bromomethane	U		0.866	5.00	1	12/28/2015 15:42	WG836763
Carbon disulfide	U		0.275	1.00	1	12/28/2015 15:42	WG836763
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 15:42	WG836763
Chlorobenzene	U		0.348	1.00	1	12/28/2015 15:42	WG836763
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 15:42	WG836763
Chloroethane	U		0.453	5.00	1	12/28/2015 15:42	WG836763
Chloroform	U		0.324	5.00	1	12/28/2015 15:42	WG836763
Chloromethane	U		0.276	2.50	1	12/28/2015 15:42	WG836763
Dibromomethane	U		0.346	1.00	1	12/28/2015 15:42	WG836763
1,2-Dibromoethane	U		0.381	1.00	1	12/28/2015 15:42	WG836763
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 15:42	WG836763
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 15:42	WG836763
1,4-Dichlorobenzene	U		0.274	1.00	1	12/28/2015 15:42	WG836763
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 15:42	WG836763
1,1-Dichloroethane	U		0.259	1.00	1	12/28/2015 15:42	WG836763
1,2-Dichloroethane	U		0.361	1.00	1	12/28/2015 15:42	WG836763
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 15:42	WG836763
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/28/2015 15:42	WG836763
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 15:42	WG836763
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 15:42	WG836763
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 15:42	WG836763
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 15:42	WG836763
Ethylbenzene	U		0.384	1.00	1	12/28/2015 15:42	WG836763
2-Hexanone	U		3.82	10.0	1	12/28/2015 15:42	WG836763
Iodomethane	U		1.71	10.0	1	12/28/2015 15:42	WG836763
2-Butanone (MEK)	U		3.93	15.0	1	12/28/2015 15:42	WG836763
Methylene Chloride	U		1.00	5.00	1	12/28/2015 15:42	WG836763
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 15:42	WG836763
Styrene	U		0.307	1.00	1	12/28/2015 15:42	WG836763
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 15:42	WG836763
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 15:42	WG836763
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 15:42	WG836763
Toluene	U		0.780	5.00	1	12/28/2015 15:42	WG836763
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 15:42	WG836763
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 15:42	WG836763
Trichloroethene	U		0.398	1.00	1	12/28/2015 15:42	WG836763
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 15:42	WG836763
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 15:42	WG836763
Vinyl acetate	U		1.63	10.0	1	12/28/2015 15:42	WG836763
Vinyl chloride	U		0.259	1.00	1	12/28/2015 15:42	WG836763
Xylenes, Total	U		1.06	3.00	1	12/28/2015 15:42	WG836763
(S) Toluene-d8	*103*			*90.0-115*		*12/28/2015 15:42*	WG836763
(S) Dibromofluoromethane	*94.9*			*79.0-121*		*12/28/2015 15:42*	WG836763
(S) 4-Bromofluorobenzene	*102*			*80.1-120*		*12/28/2015 15:42*	WG836763

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	377000		2820	10000	1	12/21/2015 04:05	WG836806

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		6.50	50.0	1	12/18/2015 16:02	WG836485

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 13:07	WG837475

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	2110		51.9	1000	1	12/21/2015 15:13	WG836984
Sulfate	13700		77.4	5000	1	12/21/2015 15:13	WG836984

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2000		102	1000	1	12/23/2015 16:15	WG836785

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/23/2015 09:49	WG836890

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.300	J	0.210	2.00	1	12/22/2015 01:44	WG836934
Arsenic	1.35	J	0.250	2.00	1	12/22/2015 01:44	WG836934
Barium	27.7		0.360	5.00	1	12/22/2015 01:44	WG836934
Beryllium	U		0.120	2.00	1	12/22/2015 01:44	WG836934
Cadmium	U		0.160	1.00	1	12/22/2015 01:44	WG836934
Chromium	0.602	J	0.540	2.00	1	12/22/2015 01:44	WG836934
Copper	0.988	J	0.520	5.00	1	12/22/2015 01:44	WG836934
Cobalt	0.282	J	0.260	2.00	1	12/22/2015 01:44	WG836934
Iron	125		15.0	100	1	12/22/2015 01:44	WG836934
Lead	0.870	J	0.240	2.00	1	12/22/2015 01:44	WG836934
Manganese	14.3		0.250	5.00	1	12/22/2015 01:44	WG836934
Nickel	0.766	J	0.350	2.00	1	12/22/2015 01:44	WG836934
Selenium	U		0.380	2.00	1	12/22/2015 01:44	WG836934
Silver	U		0.310	2.00	1	12/22/2015 01:44	WG836934
Thallium	U		0.190	2.00	1	12/22/2015 01:44	WG836934
Tin	U		0.300	2.00	1	12/22/2015 01:44	WG836934
Vanadium	0.913	J	0.180	5.00	1	12/22/2015 01:44	WG836934
Zinc	3.32	J	2.56	25.0	1	12/22/2015 01:44	WG836934

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/28/2015 16:01	WG836763
Acrylonitrile	U		1.87	10.0	1	12/28/2015 16:01	WG836763
Benzene	U		0.331	1.00	1	12/28/2015 16:01	WG836763
Bromochloromethane	U		0.520	1.00	1	12/28/2015 16:01	WG836763
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 16:01	WG836763
Bromoform	U		0.469	1.00	1	12/28/2015 16:01	WG836763
Bromomethane	U		0.866	5.00	1	12/28/2015 16:01	WG836763
Carbon disulfide	U		0.275	1.00	1	12/28/2015 16:01	WG836763
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 16:01	WG836763
Chlorobenzene	U		0.348	1.00	1	12/28/2015 16:01	WG836763
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 16:01	WG836763
Chloroethane	U		0.453	5.00	1	12/28/2015 16:01	WG836763
Chloroform	U		0.324	5.00	1	12/28/2015 16:01	WG836763
Chloromethane	U		0.276	2.50	1	12/28/2015 16:01	WG836763
Dibromomethane	U		0.346	1.00	1	12/28/2015 16:01	WG836763
1,2-Dibromoethane	U		0.381	1.00	1	12/28/2015 16:01	WG836763
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 16:01	WG836763
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 16:01	WG836763
1,4-Dichlorobenzene	U		0.274	1.00	1	12/28/2015 16:01	WG836763
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 16:01	WG836763
1,1-Dichloroethane	U		0.259	1.00	1	12/28/2015 16:01	WG836763
1,2-Dichloroethane	U		0.361	1.00	1	12/28/2015 16:01	WG836763
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 16:01	WG836763
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/28/2015 16:01	WG836763
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 16:01	WG836763
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 16:01	WG836763
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 16:01	WG836763
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 16:01	WG836763
Ethylbenzene	U		0.384	1.00	1	12/28/2015 16:01	WG836763
2-Hexanone	U		3.82	10.0	1	12/28/2015 16:01	WG836763
Iodomethane	U		1.71	10.0	1	12/28/2015 16:01	WG836763
2-Butanone (MEK)	U		3.93	15.0	1	12/28/2015 16:01	WG836763
Methylene Chloride	U		1.00	5.00	1	12/28/2015 16:01	WG836763
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 16:01	WG836763
Styrene	U		0.307	1.00	1	12/28/2015 16:01	WG836763
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 16:01	WG836763
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 16:01	WG836763
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 16:01	WG836763
Toluene	U		0.780	5.00	1	12/28/2015 16:01	WG836763
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 16:01	WG836763
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 16:01	WG836763
Trichloroethene	U		0.398	1.00	1	12/28/2015 16:01	WG836763
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 16:01	WG836763
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 16:01	WG836763
Vinyl acetate	U		1.63	10.0	1	12/28/2015 16:01	WG836763
Vinyl chloride	U		0.259	1.00	1	12/28/2015 16:01	WG836763
Xylenes, Total	U		1.06	3.00	1	12/28/2015 16:01	WG836763
(S) Toluene-d8	*102*			*90.0-115*		*12/28/2015 16:01*	WG836763
(S) Dibromofluoromethane	*96.3*			*79.0-121*		*12/28/2015 16:01*	WG836763
(S) 4-Bromofluorobenzene	*94.0*			*80.1-120*		*12/28/2015 16:01*	WG836763

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	442000		2820	10000	1	12/21/2015 16:13	WG837493

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	18.0	J	6.50	50.0	1	12/18/2015 16:02	WG836485

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 13:09	WG837475

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	12700		51.9	1000	1	12/21/2015 11:56	WG836984
Sulfate	10400		77.4	5000	1	12/21/2015 11:56	WG836984

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3290		102	1000	1	12/23/2015 16:28	WG836785

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	0.386		0.0490	0.200	1	12/23/2015 09:51	WG836890

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.307	J	0.210	2.00	1	12/22/2015 01:47	WG836934
Arsenic	1.27	J	0.250	2.00	1	12/22/2015 01:47	WG836934
Barium	41.4		0.360	5.00	1	12/22/2015 01:47	WG836934
Beryllium	U		0.120	2.00	1	12/22/2015 01:47	WG836934
Cadmium	1.58		0.160	1.00	1	12/22/2015 01:47	WG836934
Chromium	1.47	J	0.540	2.00	1	12/22/2015 01:47	WG836934
Copper	1.35	J	0.520	5.00	1	12/22/2015 01:47	WG836934
Cobalt	U		0.260	2.00	1	12/22/2015 01:47	WG836934
Iron	40.6	J	15.0	100	1	12/22/2015 01:47	WG836934
Lead	0.403	J	0.240	2.00	1	12/22/2015 01:47	WG836934
Manganese	3.12	J	0.250	5.00	1	12/22/2015 01:47	WG836934
Nickel	3.52		0.350	2.00	1	12/22/2015 01:47	WG836934
Selenium	U		0.380	2.00	1	12/22/2015 01:47	WG836934
Silver	U		0.310	2.00	1	12/22/2015 01:47	WG836934
Thallium	U		0.190	2.00	1	12/22/2015 01:47	WG836934
Tin	U		0.300	2.00	1	12/22/2015 01:47	WG836934
Vanadium	0.887	J	0.180	5.00	1	12/22/2015 01:47	WG836934
Zinc	268		2.56	25.0	1	12/22/2015 01:47	WG836934

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/28/2015 09:53	WG836763
Acrylonitrile	U		1.87	10.0	1	12/28/2015 09:53	WG836763
Benzene	U		0.331	1.00	1	12/28/2015 09:53	WG836763
Bromochloromethane	U		0.520	1.00	1	12/28/2015 09:53	WG836763
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 09:53	WG836763
Bromoform	U		0.469	1.00	1	12/28/2015 09:53	WG836763
Bromomethane	U		0.866	5.00	1	12/28/2015 09:53	WG836763
Carbon disulfide	U		0.275	1.00	1	12/28/2015 09:53	WG836763
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 09:53	WG836763
Chlorobenzene	U		0.348	1.00	1	12/28/2015 09:53	WG836763
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 09:53	WG836763
Chloroethane	U		0.453	5.00	1	12/28/2015 09:53	WG836763
Chloroform	U		0.324	5.00	1	12/28/2015 09:53	WG836763
Chloromethane	U		0.276	2.50	1	12/28/2015 09:53	WG836763
Dibromomethane	U		0.346	1.00	1	12/28/2015 09:53	WG836763
1,2-Dibromoethane	U		0.381	1.00	1	12/28/2015 09:53	WG836763
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 09:53	WG836763
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 09:53	WG836763
1,4-Dichlorobenzene	U		0.274	1.00	1	12/28/2015 09:53	WG836763
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 09:53	WG836763
1,1-Dichloroethane	1.89		0.259	1.00	1	12/28/2015 09:53	WG836763
1,2-Dichloroethane	U		0.361	1.00	1	12/28/2015 09:53	WG836763
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 09:53	WG836763
cis-1,2-Dichloroethene	0.506	J	0.260	1.00	1	12/28/2015 09:53	WG836763
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 09:53	WG836763
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 09:53	WG836763
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 09:53	WG836763
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 09:53	WG836763
Ethylbenzene	U		0.384	1.00	1	12/28/2015 09:53	WG836763
2-Hexanone	U		3.82	10.0	1	12/28/2015 09:53	WG836763
Iodomethane	U		1.71	10.0	1	12/28/2015 09:53	WG836763
2-Butanone (MEK)	U		3.93	15.0	1	12/28/2015 09:53	WG836763
Methylene Chloride	U		1.00	5.00	1	12/28/2015 09:53	WG836763
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 09:53	WG836763
Styrene	U		0.307	1.00	1	12/28/2015 09:53	WG836763
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 09:53	WG836763
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 09:53	WG836763
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 09:53	WG836763
Toluene	U		0.780	5.00	1	12/28/2015 09:53	WG836763
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 09:53	WG836763
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 09:53	WG836763
Trichloroethene	U		0.398	1.00	1	12/28/2015 09:53	WG836763
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 09:53	WG836763
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 09:53	WG836763
Vinyl acetate	U		1.63	10.0	1	12/28/2015 09:53	WG836763
Vinyl chloride	U		0.259	1.00	1	12/28/2015 09:53	WG836763
Xylenes, Total	U		1.06	3.00	1	12/28/2015 09:53	WG836763
(S) Toluene-d8	*102*			*90.0-115*		*12/28/2015 09:53*	WG836763
(S) Dibromofluoromethane	*94.6*			*79.0-121*		*12/28/2015 09:53*	WG836763
(S) 4-Bromofluorobenzene	*100*			*80.1-120*		*12/28/2015 09:53*	WG836763

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	2030000		2820	10000	1	12/21/2015 16:13	WG837493

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		6.50	50.0	1	12/18/2015 16:02	WG836485

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 13:10	WG837475

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	28900		51.9	1000	1	12/21/2015 12:27	WG836984
Sulfate	1060000		1550	100000	20	12/21/2015 19:04	WG836984

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	20200		102	1000	1	12/23/2015 16:46	WG836785

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/23/2015 09:54	WG836890

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.359	J	0.210	2.00	1	12/22/2015 01:50	WG836934
Arsenic	3.77		0.250	2.00	1	12/22/2015 01:50	WG836934
Barium	24.6		0.360	5.00	1	12/22/2015 01:50	WG836934
Beryllium	U		0.120	2.00	1	12/22/2015 01:50	WG836934
Cadmium	0.309	J	0.160	1.00	1	12/22/2015 01:50	WG836934
Chromium	1.51	J	0.540	2.00	1	12/22/2015 01:50	WG836934
Copper	4.27	J	0.520	5.00	1	12/22/2015 01:50	WG836934
Cobalt	1.57	J	0.260	2.00	1	12/22/2015 01:50	WG836934
Iron	1020		15.0	100	1	12/22/2015 01:50	WG836934
Lead	1.34	J	0.240	2.00	1	12/22/2015 01:50	WG836934
Manganese	59.1		0.250	5.00	1	12/22/2015 01:50	WG836934
Nickel	12.5		0.350	2.00	1	12/22/2015 01:50	WG836934
Selenium	0.488	J	0.380	2.00	1	12/22/2015 01:50	WG836934
Silver	U		0.310	2.00	1	12/22/2015 01:50	WG836934
Thallium	U		0.190	2.00	1	12/22/2015 01:50	WG836934
Tin	0.467	J	0.300	2.00	1	12/22/2015 01:50	WG836934
Vanadium	2.33	J	0.180	5.00	1	12/22/2015 01:50	WG836934
Zinc	248		2.56	25.0	1	12/22/2015 01:50	WG836934

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/28/2015 10:12	WG836763
Acrylonitrile	U		1.87	10.0	1	12/28/2015 10:12	WG836763
Benzene	U		0.331	1.00	1	12/28/2015 10:12	WG836763
Bromochloromethane	U		0.520	1.00	1	12/28/2015 10:12	WG836763
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 10:12	WG836763
Bromoform	U		0.469	1.00	1	12/28/2015 10:12	WG836763
Bromomethane	U		0.866	5.00	1	12/28/2015 10:12	WG836763
Carbon disulfide	U		0.275	1.00	1	12/28/2015 10:12	WG836763
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 10:12	WG836763
Chlorobenzene	U		0.348	1.00	1	12/28/2015 10:12	WG836763
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 10:12	WG836763
Chloroethane	U		0.453	5.00	1	12/28/2015 10:12	WG836763
Chloroform	U		0.324	5.00	1	12/28/2015 10:12	WG836763
Chloromethane	U		0.276	2.50	1	12/28/2015 10:12	WG836763
Dibromomethane	U		0.346	1.00	1	12/28/2015 10:12	WG836763
1,2-Dibromoethane	U		0.381	1.00	1	12/28/2015 10:12	WG836763
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 10:12	WG836763
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 10:12	WG836763
1,4-Dichlorobenzene	U		0.274	1.00	1	12/28/2015 10:12	WG836763
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 10:12	WG836763
1,1-Dichloroethane	U		0.259	1.00	1	12/28/2015 10:12	WG836763
1,2-Dichloroethane	U		0.361	1.00	1	12/28/2015 10:12	WG836763
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 10:12	WG836763
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/28/2015 10:12	WG836763
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 10:12	WG836763
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 10:12	WG836763
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 10:12	WG836763
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 10:12	WG836763
Ethylbenzene	U		0.384	1.00	1	12/28/2015 10:12	WG836763
2-Hexanone	U		3.82	10.0	1	12/28/2015 10:12	WG836763
Iodomethane	U		1.71	10.0	1	12/28/2015 10:12	WG836763
2-Butanone (MEK)	U		3.93	15.0	1	12/28/2015 10:12	WG836763
Methylene Chloride	U		1.00	5.00	1	12/28/2015 10:12	WG836763
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 10:12	WG836763
Styrene	U		0.307	1.00	1	12/28/2015 10:12	WG836763
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 10:12	WG836763
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 10:12	WG836763
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 10:12	WG836763
Toluene	U		0.780	5.00	1	12/28/2015 10:12	WG836763
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 10:12	WG836763
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 10:12	WG836763
Trichloroethene	U		0.398	1.00	1	12/28/2015 10:12	WG836763
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 10:12	WG836763
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 10:12	WG836763
Vinyl acetate	U		1.63	10.0	1	12/28/2015 10:12	WG836763
Vinyl chloride	U		0.259	1.00	1	12/28/2015 10:12	WG836763
Xylenes, Total	U		1.06	3.00	1	12/28/2015 10:12	WG836763
(S) Toluene-d8	*103*			*90.0-115*		*12/28/2015 10:12*	WG836763
(S) Dibromofluoromethane	*96.5*			*79.0-121*		*12/28/2015 10:12*	WG836763
(S) 4-Bromofluorobenzene	*101*			*80.1-120*		*12/28/2015 10:12*	WG836763

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	331000		2820	10000	1	12/21/2015 04:05	WG836806

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		6.50	50.0	1	12/18/2015 16:03	WG836485

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 13:11	WG837475

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	5610		51.9	1000	1	12/21/2015 15:59	WG836984
Sulfate	24500		77.4	5000	1	12/21/2015 15:59	WG836984

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3590		102	1000	1	12/23/2015 16:59	WG836785

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/21/2015 11:59	WG836889

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.833	J	0.210	2.00	1	12/22/2015 16:17	WG836935
Arsenic	2.81		0.250	2.00	1	12/22/2015 16:17	WG836935
Barium	131		0.360	5.00	1	12/22/2015 16:17	WG836935
Beryllium	U		0.120	2.00	1	12/23/2015 13:00	WG836935
Cadmium	0.449	J	0.160	1.00	1	12/22/2015 16:17	WG836935
Chromium	8.93		0.540	2.00	1	12/22/2015 16:17	WG836935
Copper	2.13	J	0.520	5.00	1	12/22/2015 16:17	WG836935
Cobalt	2.06		0.260	2.00	1	12/22/2015 16:17	WG836935
Iron	1210		15.0	100	1	12/22/2015 16:17	WG836935
Lead	3.93		0.240	2.00	1	12/22/2015 16:17	WG836935
Manganese	76.8		0.250	5.00	1	12/22/2015 16:17	WG836935
Nickel	10.2		0.350	2.00	1	12/22/2015 16:17	WG836935
Selenium	U		0.380	2.00	1	12/22/2015 16:17	WG836935
Silver	U		0.310	2.00	1	12/22/2015 16:17	WG836935
Thallium	U		0.190	2.00	1	12/22/2015 16:17	WG836935
Tin	0.676	J	0.300	2.00	1	12/22/2015 16:17	WG836935
Vanadium	2.70	J	0.180	5.00	1	12/22/2015 16:17	WG836935
Zinc	85.4		2.56	25.0	1	12/22/2015 16:17	WG836935

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/28/2015 20:07	WG836764
Acrylonitrile	U		1.87	10.0	1	12/28/2015 20:07	WG836764
Benzene	U		0.331	1.00	1	12/28/2015 20:07	WG836764
Bromochloromethane	U		0.520	1.00	1	12/28/2015 20:07	WG836764
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 20:07	WG836764
Bromoform	U		0.469	1.00	1	12/28/2015 20:07	WG836764
Bromomethane	U	J4	0.866	5.00	1	12/28/2015 20:07	WG836764
Carbon disulfide	U		0.275	1.00	1	12/28/2015 20:07	WG836764
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 20:07	WG836764
Chlorobenzene	U		0.348	1.00	1	12/28/2015 20:07	WG836764
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 20:07	WG836764
Chloroethane	U		0.453	5.00	1	12/28/2015 20:07	WG836764
Chloroform	U		0.324	5.00	1	12/28/2015 20:07	WG836764
Chloromethane	U		0.276	2.50	1	12/28/2015 20:07	WG836764
Dibromomethane	U		0.346	1.00	1	12/28/2015 20:07	WG836764
1,2-Dibromoethane	U	J4	0.381	1.00	1	12/28/2015 20:07	WG836764
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 20:07	WG836764
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 20:07	WG836764
1,4-Dichlorobenzene	U		0.274	1.00	1	12/28/2015 20:07	WG836764
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 20:07	WG836764
1,1-Dichloroethane	U		0.259	1.00	1	12/28/2015 20:07	WG836764
1,2-Dichloroethane	U		0.361	1.00	1	12/28/2015 20:07	WG836764
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 20:07	WG836764
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/28/2015 20:07	WG836764
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 20:07	WG836764
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 20:07	WG836764
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 20:07	WG836764
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 20:07	WG836764
Ethylbenzene	U		0.384	1.00	1	12/28/2015 20:07	WG836764
2-Hexanone	U		3.82	10.0	1	12/28/2015 20:07	WG836764
Iodomethane	U		1.71	10.0	1	12/28/2015 20:07	WG836764
2-Butanone (MEK)	U		3.93	15.0	1	12/28/2015 20:07	WG836764
Methylene Chloride	U		1.00	5.00	1	12/28/2015 20:07	WG836764
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 20:07	WG836764
Styrene	U		0.307	1.00	1	12/28/2015 20:07	WG836764
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 20:07	WG836764
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 20:07	WG836764
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 20:07	WG836764
Toluene	U		0.780	5.00	1	12/28/2015 20:07	WG836764
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 20:07	WG836764
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 20:07	WG836764
Trichloroethene	U		0.398	1.00	1	12/28/2015 20:07	WG836764
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 20:07	WG836764
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 20:07	WG836764
Vinyl acetate	U		1.63	10.0	1	12/28/2015 20:07	WG836764
Vinyl chloride	U		0.259	1.00	1	12/28/2015 20:07	WG836764
Xylenes, Total	U		1.06	3.00	1	12/28/2015 20:07	WG836764
(S) Toluene-d8	*111*			*90.0-115*		*12/28/2015 20:07*	WG836764
(S) Dibromofluoromethane	*113*			*79.0-121*		*12/28/2015 20:07*	WG836764
(S) 4-Bromofluorobenzene	*95.3*			*80.1-120*		*12/28/2015 20:07*	WG836764

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	407000		2820	10000	1	12/21/2015 16:13	WG837493

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	32.0	J	6.50	50.0	1	12/18/2015 16:03	WG836485

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 13:12	WG837475

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	2090		51.9	1000	1	12/21/2015 12:43	WG836984
Sulfate	32500		77.4	5000	1	12/21/2015 12:43	WG836984

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	1790		102	1000	1	12/23/2015 17:11	WG836785

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/21/2015 12:01	WG836889

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.400	J	0.210	2.00	1	12/22/2015 16:20	WG836935
Arsenic	1.08	J	0.250	2.00	1	12/22/2015 16:20	WG836935
Barium	30.0		0.360	5.00	1	12/22/2015 16:20	WG836935
Beryllium	U		0.120	2.00	1	12/22/2015 16:20	WG836935
Cadmium	0.509	J	0.160	1.00	1	12/22/2015 16:20	WG836935
Chromium	4.05		0.540	2.00	1	12/22/2015 16:20	WG836935
Copper	U		0.520	5.00	1	12/22/2015 16:20	WG836935
Cobalt	0.269	J	0.260	2.00	1	12/22/2015 16:20	WG836935
Iron	84.8	J	15.0	100	1	12/22/2015 16:20	WG836935
Lead	0.881	J	0.240	2.00	1	12/22/2015 16:20	WG836935
Manganese	4.76	J	0.250	5.00	1	12/22/2015 16:20	WG836935
Nickel	4.99		0.350	2.00	1	12/22/2015 16:20	WG836935
Selenium	U		0.380	2.00	1	12/22/2015 16:20	WG836935
Silver	U		0.310	2.00	1	12/22/2015 16:20	WG836935
Thallium	U		0.190	2.00	1	12/22/2015 16:20	WG836935
Tin	U		0.300	2.00	1	12/22/2015 16:20	WG836935
Vanadium	0.702	J	0.180	5.00	1	12/22/2015 16:20	WG836935
Zinc	627		2.56	25.0	1	12/22/2015 16:20	WG836935

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/27/2015 22:50	WG837906
Acrylonitrile	U		1.87	10.0	1	12/27/2015 22:50	WG837906
Benzene	U		0.331	1.00	1	12/27/2015 22:50	WG837906
Bromochloromethane	U		0.520	1.00	1	12/27/2015 22:50	WG837906
Bromodichloromethane	U		0.380	1.00	1	12/27/2015 22:50	WG837906
Bromoform	U		0.469	1.00	1	12/27/2015 22:50	WG837906
Bromomethane	U		0.866	5.00	1	12/27/2015 22:50	WG837906
Carbon disulfide	U		0.275	1.00	1	12/27/2015 22:50	WG837906
Carbon tetrachloride	U		0.379	1.00	1	12/27/2015 22:50	WG837906
Chlorobenzene	U		0.348	1.00	1	12/27/2015 22:50	WG837906
Chlorodibromomethane	U		0.327	1.00	1	12/27/2015 22:50	WG837906
Chloroethane	U		0.453	5.00	1	12/27/2015 22:50	WG837906
Chloroform	U		0.324	5.00	1	12/27/2015 22:50	WG837906
Chloromethane	U		0.276	2.50	1	12/27/2015 22:50	WG837906
Dibromomethane	U		0.346	1.00	1	12/27/2015 22:50	WG837906
1,2-Dibromoethane	U		0.381	1.00	1	12/27/2015 22:50	WG837906
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/27/2015 22:50	WG837906
1,2-Dichlorobenzene	U		0.349	1.00	1	12/27/2015 22:50	WG837906
1,4-Dichlorobenzene	U		0.274	1.00	1	12/27/2015 22:50	WG837906
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/27/2015 22:50	WG837906
1,1-Dichloroethane	U		0.259	1.00	1	12/27/2015 22:50	WG837906
1,2-Dichloroethane	U		0.361	1.00	1	12/27/2015 22:50	WG837906
1,1-Dichloroethene	U		0.398	1.00	1	12/27/2015 22:50	WG837906
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/27/2015 22:50	WG837906
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/27/2015 22:50	WG837906
1,2-Dichloropropane	U		0.306	1.00	1	12/27/2015 22:50	WG837906
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/27/2015 22:50	WG837906
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/27/2015 22:50	WG837906
Ethylbenzene	U		0.384	1.00	1	12/27/2015 22:50	WG837906
2-Hexanone	U		3.82	10.0	1	12/27/2015 22:50	WG837906
Iodomethane	U		1.71	10.0	1	12/27/2015 22:50	WG837906
2-Butanone (MEK)	U		3.93	15.0	1	12/27/2015 22:50	WG837906
Methylene Chloride	U		1.00	5.00	1	12/27/2015 22:50	WG837906
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/27/2015 22:50	WG837906
Styrene	U		0.307	1.00	1	12/27/2015 22:50	WG837906
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/27/2015 22:50	WG837906
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/27/2015 22:50	WG837906
Tetrachloroethene	U		0.372	1.00	1	12/27/2015 22:50	WG837906
Toluene	U		0.780	5.00	1	12/27/2015 22:50	WG837906
1,1,1-Trichloroethane	U		0.319	1.00	1	12/27/2015 22:50	WG837906
1,1,2-Trichloroethane	U		0.383	1.00	1	12/27/2015 22:50	WG837906
Trichloroethene	U		0.398	1.00	1	12/27/2015 22:50	WG837906
Trichlorofluoromethane	U		1.20	5.00	1	12/27/2015 22:50	WG837906
1,2,3-Trichloropropane	U		0.807	2.50	1	12/27/2015 22:50	WG837906
Vinyl acetate	U		1.63	10.0	1	12/27/2015 22:50	WG837906
Vinyl chloride	U		0.259	1.00	1	12/27/2015 22:50	WG837906
Xylenes, Total	U		1.06	3.00	1	12/27/2015 22:50	WG837906
(S) Toluene-d8	*105*			*90.0-115*		*12/27/2015 22:50*	WG837906
(S) Dibromofluoromethane	*104*			*79.0-121*		*12/27/2015 22:50*	WG837906
(S) 4-Bromofluorobenzene	*102*			*80.1-120*		*12/27/2015 22:50*	WG837906

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	868000		2820	10000	1	12/21/2015 04:05	WG836806

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	11.0	J	6.50	50.0	1	12/18/2015 16:03	WG836485

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 13:13	WG837475

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	112000		519	10000	10	12/21/2015 16:15	WG836984
Sulfate	26900		77.4	5000	1	12/23/2015 01:14	WG837447

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	15300		102	1000	1	12/23/2015 17:31	WG836785

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	3.07		0.0490	0.200	1	12/21/2015 12:04	WG836889

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.718	J	0.210	2.00	1	12/22/2015 16:22	WG836935
Arsenic	25.8		0.250	2.00	1	12/22/2015 16:22	WG836935
Barium	170		0.360	5.00	1	12/22/2015 16:22	WG836935
Beryllium	U		0.120	2.00	1	12/22/2015 16:22	WG836935
Cadmium	4.06		0.160	1.00	1	12/22/2015 16:22	WG836935
Chromium	5.03		0.540	2.00	1	12/22/2015 16:22	WG836935
Copper	2.57	J	0.520	5.00	1	12/22/2015 16:22	WG836935
Cobalt	65.9		0.260	2.00	1	12/22/2015 16:22	WG836935
Iron	9810		15.0	100	1	12/22/2015 16:22	WG836935
Lead	17.9		0.240	2.00	1	12/22/2015 16:22	WG836935
Manganese	528		0.250	5.00	1	12/22/2015 16:22	WG836935
Nickel	76.8	B	0.350	2.00	1	12/22/2015 16:22	WG836935
Selenium	U		0.380	2.00	1	12/22/2015 16:22	WG836935
Silver	U		0.310	2.00	1	12/22/2015 16:22	WG836935
Thallium	2.03		0.190	2.00	1	12/22/2015 16:22	WG836935
Tin	0.461	J	0.300	2.00	1	12/22/2015 16:22	WG836935
Vanadium	2.30	J	0.180	5.00	1	12/22/2015 16:22	WG836935
Zinc	1650		2.56	25.0	1	12/22/2015 16:22	WG836935

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/28/2015 20:25	WG836764
Acrylonitrile	U		1.87	10.0	1	12/28/2015 20:25	WG836764
Benzene	1.19		0.331	1.00	1	12/28/2015 20:25	WG836764
Bromochloromethane	U		0.520	1.00	1	12/28/2015 20:25	WG836764
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 20:25	WG836764
Bromoform	U		0.469	1.00	1	12/28/2015 20:25	WG836764
Bromomethane	U	J4	0.866	5.00	1	12/28/2015 20:25	WG836764
Carbon disulfide	U		0.275	1.00	1	12/28/2015 20:25	WG836764
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 20:25	WG836764
Chlorobenzene	0.850	J	0.348	1.00	1	12/28/2015 20:25	WG836764
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 20:25	WG836764
Chloroethane	3.25	J	0.453	5.00	1	12/28/2015 20:25	WG836764
Chloroform	U		0.324	5.00	1	12/28/2015 20:25	WG836764
Chloromethane	U		0.276	2.50	1	12/28/2015 20:25	WG836764
Dibromomethane	U		0.346	1.00	1	12/28/2015 20:25	WG836764
1,2-Dibromoethane	U	J4	0.381	1.00	1	12/28/2015 20:25	WG836764
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 20:25	WG836764
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 20:25	WG836764
1,4-Dichlorobenzene	U		0.274	1.00	1	12/28/2015 20:25	WG836764
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 20:25	WG836764
1,1-Dichloroethane	16.2		0.259	1.00	1	12/28/2015 20:25	WG836764
1,2-Dichloroethane	0.466	J	0.361	1.00	1	12/28/2015 20:25	WG836764
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 20:25	WG836764
cis-1,2-Dichloroethene	9.65		0.260	1.00	1	12/28/2015 20:25	WG836764
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 20:25	WG836764
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 20:25	WG836764
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 20:25	WG836764
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 20:25	WG836764
Ethylbenzene	U		0.384	1.00	1	12/28/2015 20:25	WG836764
2-Hexanone	U		3.82	10.0	1	12/28/2015 20:25	WG836764
Iodomethane	U		1.71	10.0	1	12/28/2015 20:25	WG836764
2-Butanone (MEK)	U		3.93	15.0	1	12/28/2015 20:25	WG836764
Methylene Chloride	U		1.00	5.00	1	12/28/2015 20:25	WG836764
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 20:25	WG836764
Styrene	U		0.307	1.00	1	12/28/2015 20:25	WG836764
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 20:25	WG836764
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 20:25	WG836764
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 20:25	WG836764
Toluene	U		0.780	5.00	1	12/28/2015 20:25	WG836764
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 20:25	WG836764
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 20:25	WG836764
Trichloroethene	0.987	J	0.398	1.00	1	12/28/2015 20:25	WG836764
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 20:25	WG836764
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 20:25	WG836764
Vinyl acetate	U		1.63	10.0	1	12/28/2015 20:25	WG836764
Vinyl chloride	3.18		0.259	1.00	1	12/28/2015 20:25	WG836764
Xylenes, Total	U		1.06	3.00	1	12/28/2015 20:25	WG836764
(S) Toluene-d8	*112*			*90.0-115*		*12/28/2015 20:25*	WG836764
(S) Dibromofluoromethane	*114*			*79.0-121*		*12/28/2015 20:25*	WG836764
(S) 4-Bromofluorobenzene	*97.3*			*80.1-120*		*12/28/2015 20:25*	WG836764

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	311000		2820	10000	1	12/22/2015 15:59	WG837341

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		6.50	50.0	1	12/18/2015 16:03	WG836485

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 13:14	WG837475

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	5020		51.9	1000	1	12/21/2015 13:13	WG836984
Sulfate	6240		77.4	5000	1	12/21/2015 13:13	WG836984

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3790		102	1000	1	12/23/2015 18:44	WG836785

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/21/2015 12:06	WG836889

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.347	J	0.210	2.00	1	12/22/2015 16:24	WG836935
Arsenic	0.827	J	0.250	2.00	1	12/22/2015 16:24	WG836935
Barium	86.4		0.360	5.00	1	12/22/2015 16:24	WG836935
Beryllium	U		0.120	2.00	1	12/22/2015 16:24	WG836935
Cadmium	U		0.160	1.00	1	12/22/2015 16:24	WG836935
Chromium	U		0.540	2.00	1	12/22/2015 16:24	WG836935
Copper	1.81	J	0.520	5.00	1	12/22/2015 16:24	WG836935
Cobalt	U		0.260	2.00	1	12/22/2015 16:24	WG836935
Iron	63.6	J	15.0	100	1	12/22/2015 16:24	WG836935
Lead	0.308	J	0.240	2.00	1	12/22/2015 16:24	WG836935
Manganese	26.5		0.250	5.00	1	12/22/2015 16:24	WG836935
Nickel	0.542	J	0.350	2.00	1	12/22/2015 16:24	WG836935
Selenium	U		0.380	2.00	1	12/22/2015 16:24	WG836935
Silver	U		0.310	2.00	1	12/22/2015 16:24	WG836935
Thallium	U		0.190	2.00	1	12/22/2015 16:24	WG836935
Tin	0.353	J	0.300	2.00	1	12/22/2015 16:24	WG836935
Vanadium	0.791	J	0.180	5.00	1	12/22/2015 16:24	WG836935
Zinc	3.02	J	2.56	25.0	1	12/22/2015 16:24	WG836935

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/29/2015 19:10	WG838908
Acrylonitrile	U		1.87	10.0	1	12/29/2015 19:10	WG838908
Benzene	U		0.331	1.00	1	12/29/2015 19:10	WG838908
Bromochloromethane	U		0.520	1.00	1	12/29/2015 19:10	WG838908
Bromodichloromethane	U		0.380	1.00	1	12/29/2015 19:10	WG838908
Bromoform	U		0.469	1.00	1	12/29/2015 19:10	WG838908
Bromomethane	U		0.866	5.00	1	12/29/2015 19:10	WG838908
Carbon disulfide	U		0.275	1.00	1	12/29/2015 19:10	WG838908
Carbon tetrachloride	U		0.379	1.00	1	12/29/2015 19:10	WG838908
Chlorobenzene	U		0.348	1.00	1	12/29/2015 19:10	WG838908
Chlorodibromomethane	U		0.327	1.00	1	12/29/2015 19:10	WG838908
Chloroethane	U		0.453	5.00	1	12/29/2015 19:10	WG838908
Chloroform	U		0.324	5.00	1	12/29/2015 19:10	WG838908
Chloromethane	U		0.276	2.50	1	12/29/2015 19:10	WG838908
Dibromomethane	U		0.346	1.00	1	12/29/2015 19:10	WG838908
1,2-Dibromoethane	U		0.381	1.00	1	12/29/2015 19:10	WG838908
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/29/2015 19:10	WG838908
1,2-Dichlorobenzene	U		0.349	1.00	1	12/29/2015 19:10	WG838908
1,4-Dichlorobenzene	U		0.274	1.00	1	12/29/2015 19:10	WG838908
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/29/2015 19:10	WG838908
1,1-Dichloroethane	U		0.259	1.00	1	12/29/2015 19:10	WG838908
1,2-Dichloroethane	U		0.361	1.00	1	12/29/2015 19:10	WG838908
1,1-Dichloroethene	U		0.398	1.00	1	12/29/2015 19:10	WG838908
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/29/2015 19:10	WG838908
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/29/2015 19:10	WG838908
1,2-Dichloropropane	U		0.306	1.00	1	12/29/2015 19:10	WG838908
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/29/2015 19:10	WG838908
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/29/2015 19:10	WG838908
Ethylbenzene	U		0.384	1.00	1	12/29/2015 19:10	WG838908
2-Hexanone	U		3.82	10.0	1	12/29/2015 19:10	WG838908
Iodomethane	U		1.71	10.0	1	12/29/2015 19:10	WG838908
2-Butanone (MEK)	U		3.93	15.0	1	12/29/2015 19:10	WG838908
Methylene Chloride	U		1.00	5.00	1	12/29/2015 19:10	WG838908
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/29/2015 19:10	WG838908
Styrene	U		0.307	1.00	1	12/29/2015 19:10	WG838908
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/29/2015 19:10	WG838908
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/29/2015 19:10	WG838908
Tetrachloroethene	U		0.372	1.00	1	12/29/2015 19:10	WG838908
Toluene	U		0.780	5.00	1	12/29/2015 19:10	WG838908
1,1,1-Trichloroethane	U		0.319	1.00	1	12/29/2015 19:10	WG838908
1,1,2-Trichloroethane	U		0.383	1.00	1	12/29/2015 19:10	WG838908
Trichloroethene	U		0.398	1.00	1	12/29/2015 19:10	WG838908
Trichlorofluoromethane	U		1.20	5.00	1	12/29/2015 19:10	WG838908
1,2,3-Trichloropropane	U		0.807	2.50	1	12/29/2015 19:10	WG838908
Vinyl acetate	U		1.63	10.0	1	12/29/2015 19:10	WG838908
Vinyl chloride	U		0.259	1.00	1	12/29/2015 19:10	WG838908
Xylenes, Total	U		1.06	3.00	1	12/29/2015 19:10	WG838908
(S) Toluene-d8	*104*			*90.0-115*		*12/29/2015 19:10*	WG838908
(S) Dibromofluoromethane	*95.3*			*79.0-121*		*12/29/2015 19:10*	WG838908
(S) 4-Bromofluorobenzene	*105*			*80.1-120*		*12/29/2015 19:10*	WG838908

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	307000		2820	10000	1	12/22/2015 15:59	WG837341

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		6.50	50.0	1	12/18/2015 16:04	WG836485

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/24/2015 08:31	WG837808

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	2220		51.9	1000	1	12/21/2015 13:29	WG836984
Sulfate	9480		77.4	5000	1	12/21/2015 13:29	WG836984

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4010		102	1000	1	12/23/2015 18:57	WG836785

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/21/2015 12:09	WG836889

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.463	J	0.210	2.00	1	12/22/2015 16:27	WG836935
Arsenic	0.799	J	0.250	2.00	1	12/22/2015 16:27	WG836935
Barium	56.2		0.360	5.00	1	12/22/2015 16:27	WG836935
Beryllium	U		0.120	2.00	1	12/22/2015 16:27	WG836935
Cadmium	U		0.160	1.00	1	12/22/2015 16:27	WG836935
Chromium	U		0.540	2.00	1	12/22/2015 16:27	WG836935
Copper	U		0.520	5.00	1	12/22/2015 16:27	WG836935
Cobalt	U		0.260	2.00	1	12/22/2015 16:27	WG836935
Iron	53.6	J	15.0	100	1	12/22/2015 16:27	WG836935
Lead	0.935	J	0.240	2.00	1	12/22/2015 16:27	WG836935
Manganese	4.89	J	0.250	5.00	1	12/22/2015 16:27	WG836935
Nickel	U		0.350	2.00	1	12/22/2015 16:27	WG836935
Selenium	U		0.380	2.00	1	12/22/2015 16:27	WG836935
Silver	U		0.310	2.00	1	12/22/2015 16:27	WG836935
Thallium	U		0.190	2.00	1	12/22/2015 16:27	WG836935
Tin	U		0.300	2.00	1	12/22/2015 16:27	WG836935
Vanadium	0.968	J	0.180	5.00	1	12/22/2015 16:27	WG836935
Zinc	4.68	J	2.56	25.0	1	12/22/2015 16:27	WG836935

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/29/2015 19:33	WG838908
Acrylonitrile	U		1.87	10.0	1	12/29/2015 19:33	WG838908
Benzene	U		0.331	1.00	1	12/29/2015 19:33	WG838908
Bromochloromethane	U		0.520	1.00	1	12/29/2015 19:33	WG838908
Bromodichloromethane	U		0.380	1.00	1	12/29/2015 19:33	WG838908
Bromoform	U		0.469	1.00	1	12/29/2015 19:33	WG838908
Bromomethane	U		0.866	5.00	1	12/29/2015 19:33	WG838908
Carbon disulfide	U		0.275	1.00	1	12/29/2015 19:33	WG838908
Carbon tetrachloride	U		0.379	1.00	1	12/29/2015 19:33	WG838908
Chlorobenzene	U		0.348	1.00	1	12/29/2015 19:33	WG838908
Chlorodibromomethane	U		0.327	1.00	1	12/29/2015 19:33	WG838908
Chloroethane	U		0.453	5.00	1	12/29/2015 19:33	WG838908
Chloroform	U		0.324	5.00	1	12/29/2015 19:33	WG838908
Chloromethane	U		0.276	2.50	1	12/29/2015 19:33	WG838908
Dibromomethane	U		0.346	1.00	1	12/29/2015 19:33	WG838908
1,2-Dibromoethane	U		0.381	1.00	1	12/29/2015 19:33	WG838908
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/29/2015 19:33	WG838908
1,2-Dichlorobenzene	U		0.349	1.00	1	12/29/2015 19:33	WG838908
1,4-Dichlorobenzene	U		0.274	1.00	1	12/29/2015 19:33	WG838908
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/29/2015 19:33	WG838908
1,1-Dichloroethane	U		0.259	1.00	1	12/29/2015 19:33	WG838908
1,2-Dichloroethane	U		0.361	1.00	1	12/29/2015 19:33	WG838908
1,1-Dichloroethene	U		0.398	1.00	1	12/29/2015 19:33	WG838908
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/29/2015 19:33	WG838908
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/29/2015 19:33	WG838908
1,2-Dichloropropane	U		0.306	1.00	1	12/29/2015 19:33	WG838908
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/29/2015 19:33	WG838908
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/29/2015 19:33	WG838908
Ethylbenzene	U		0.384	1.00	1	12/29/2015 19:33	WG838908
2-Hexanone	U		3.82	10.0	1	12/29/2015 19:33	WG838908
Iodomethane	U		1.71	10.0	1	12/29/2015 19:33	WG838908
2-Butanone (MEK)	U		3.93	15.0	1	12/29/2015 19:33	WG838908
Methylene Chloride	U		1.00	5.00	1	12/29/2015 19:33	WG838908
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/29/2015 19:33	WG838908
Styrene	U		0.307	1.00	1	12/29/2015 19:33	WG838908
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/29/2015 19:33	WG838908
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/29/2015 19:33	WG838908
Tetrachloroethene	U		0.372	1.00	1	12/29/2015 19:33	WG838908
Toluene	U		0.780	5.00	1	12/29/2015 19:33	WG838908
1,1,1-Trichloroethane	U		0.319	1.00	1	12/29/2015 19:33	WG838908
1,1,2-Trichloroethane	U		0.383	1.00	1	12/29/2015 19:33	WG838908
Trichloroethene	U		0.398	1.00	1	12/29/2015 19:33	WG838908
Trichlorofluoromethane	U		1.20	5.00	1	12/29/2015 19:33	WG838908
1,2,3-Trichloropropane	U		0.807	2.50	1	12/29/2015 19:33	WG838908
Vinyl acetate	U		1.63	10.0	1	12/29/2015 19:33	WG838908
Vinyl chloride	U		0.259	1.00	1	12/29/2015 19:33	WG838908
Xylenes, Total	U		1.06	3.00	1	12/29/2015 19:33	WG838908
(S) Toluene-d8	*104*			*90.0-115*		*12/29/2015 19:33*	WG838908
(S) Dibromofluoromethane	*92.5*			*79.0-121*		*12/29/2015 19:33*	WG838908
(S) 4-Bromofluorobenzene	*106*			*80.1-120*		*12/29/2015 19:33*	WG838908

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	212000		2820	10000	1	12/22/2015 15:59	WG837341

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		6.50	50.0	1	12/22/2015 18:21	WG837487

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 13:18	WG837475

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	13600		51.9	1000	1	12/21/2015 13:44	WG836984
Sulfate	7470		77.4	5000	1	12/21/2015 13:44	WG836984

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	5170		102	1000	1	12/23/2015 19:11	WG836785

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/21/2015 12:12	WG836889

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.580	J	0.210	2.00	1	12/22/2015 16:29	WG836935
Arsenic	2.50		0.250	2.00	1	12/22/2015 16:29	WG836935
Barium	45.0		0.360	5.00	1	12/22/2015 16:29	WG836935
Beryllium	U		0.120	2.00	1	12/22/2015 16:29	WG836935
Cadmium	U		0.160	1.00	1	12/22/2015 16:29	WG836935
Chromium	1.08	J	0.540	2.00	1	12/22/2015 16:29	WG836935
Copper	1.52	J	0.520	5.00	1	12/22/2015 16:29	WG836935
Cobalt	0.657	J	0.260	2.00	1	12/22/2015 16:29	WG836935
Iron	1330		15.0	100	1	12/22/2015 16:29	WG836935
Lead	2.33		0.240	2.00	1	12/22/2015 16:29	WG836935
Manganese	123		0.250	5.00	1	12/22/2015 16:29	WG836935
Nickel	2.17		0.350	2.00	1	12/22/2015 16:29	WG836935
Selenium	U		0.380	2.00	1	12/22/2015 16:29	WG836935
Silver	U		0.310	2.00	1	12/22/2015 16:29	WG836935
Thallium	U		0.190	2.00	1	12/22/2015 16:29	WG836935
Tin	U		0.300	2.00	1	12/22/2015 16:29	WG836935
Vanadium	2.72	J	0.180	5.00	1	12/22/2015 16:29	WG836935
Zinc	29.1		2.56	25.0	1	12/22/2015 16:29	WG836935

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/29/2015 19:56	WG838908
Acrylonitrile	U		1.87	10.0	1	12/29/2015 19:56	WG838908
Benzene	U		0.331	1.00	1	12/29/2015 19:56	WG838908
Bromochloromethane	U		0.520	1.00	1	12/29/2015 19:56	WG838908
Bromodichloromethane	U		0.380	1.00	1	12/29/2015 19:56	WG838908
Bromoform	U		0.469	1.00	1	12/29/2015 19:56	WG838908
Bromomethane	U		0.866	5.00	1	12/29/2015 19:56	WG838908
Carbon disulfide	U		0.275	1.00	1	12/29/2015 19:56	WG838908
Carbon tetrachloride	U		0.379	1.00	1	12/29/2015 19:56	WG838908
Chlorobenzene	U		0.348	1.00	1	12/29/2015 19:56	WG838908
Chlorodibromomethane	U		0.327	1.00	1	12/29/2015 19:56	WG838908
Chloroethane	U		0.453	5.00	1	12/29/2015 19:56	WG838908
Chloroform	U		0.324	5.00	1	12/29/2015 19:56	WG838908
Chloromethane	U		0.276	2.50	1	12/29/2015 19:56	WG838908
Dibromomethane	U		0.346	1.00	1	12/29/2015 19:56	WG838908
1,2-Dibromoethane	U		0.381	1.00	1	12/29/2015 19:56	WG838908
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/29/2015 19:56	WG838908
1,2-Dichlorobenzene	U		0.349	1.00	1	12/29/2015 19:56	WG838908
1,4-Dichlorobenzene	U		0.274	1.00	1	12/29/2015 19:56	WG838908
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/29/2015 19:56	WG838908
1,1-Dichloroethane	U		0.259	1.00	1	12/29/2015 19:56	WG838908
1,2-Dichloroethane	U		0.361	1.00	1	12/29/2015 19:56	WG838908
1,1-Dichloroethene	U		0.398	1.00	1	12/29/2015 19:56	WG838908
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/29/2015 19:56	WG838908
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/29/2015 19:56	WG838908
1,2-Dichloropropane	U		0.306	1.00	1	12/29/2015 19:56	WG838908
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/29/2015 19:56	WG838908
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/29/2015 19:56	WG838908
Ethylbenzene	U		0.384	1.00	1	12/29/2015 19:56	WG838908
2-Hexanone	U		3.82	10.0	1	12/29/2015 19:56	WG838908
Iodomethane	U		1.71	10.0	1	12/29/2015 19:56	WG838908
2-Butanone (MEK)	U		3.93	15.0	1	12/29/2015 19:56	WG838908
Methylene Chloride	U		1.00	5.00	1	12/29/2015 19:56	WG838908
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/29/2015 19:56	WG838908
Styrene	U		0.307	1.00	1	12/29/2015 19:56	WG838908
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/29/2015 19:56	WG838908
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/29/2015 19:56	WG838908
Tetrachloroethene	U		0.372	1.00	1	12/29/2015 19:56	WG838908
Toluene	U		0.780	5.00	1	12/29/2015 19:56	WG838908
1,1,1-Trichloroethane	U		0.319	1.00	1	12/29/2015 19:56	WG838908
1,1,2-Trichloroethane	U		0.383	1.00	1	12/29/2015 19:56	WG838908
Trichloroethene	U		0.398	1.00	1	12/29/2015 19:56	WG838908
Trichlorofluoromethane	U		1.20	5.00	1	12/29/2015 19:56	WG838908
1,2,3-Trichloropropane	U		0.807	2.50	1	12/29/2015 19:56	WG838908
Vinyl acetate	U		1.63	10.0	1	12/29/2015 19:56	WG838908
Vinyl chloride	U		0.259	1.00	1	12/29/2015 19:56	WG838908
Xylenes, Total	U		1.06	3.00	1	12/29/2015 19:56	WG838908
(S) Toluene-d8	*102*			*90.0-115*		*12/29/2015 19:56*	WG838908
(S) Dibromofluoromethane	*94.6*			*79.0-121*		*12/29/2015 19:56*	WG838908
(S) 4-Bromofluorobenzene	*105*			*80.1-120*		*12/29/2015 19:56*	WG838908

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	208000		2820	10000	1	12/22/2015 15:59	WG837341

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		6.50	50.0	1	12/22/2015 18:21	WG837487

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 13:19	WG837475

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	1030		51.9	1000	1	12/21/2015 14:00	WG836984
Sulfate	4570	J	77.4	5000	1	12/21/2015 14:00	WG836984

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2590		102	1000	1	12/23/2015 19:24	WG836785

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/21/2015 12:14	WG836889

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.520	J	0.210	2.00	1	12/22/2015 16:31	WG836935
Arsenic	1.42	J	0.250	2.00	1	12/22/2015 16:31	WG836935
Barium	32.8		0.360	5.00	1	12/22/2015 16:31	WG836935
Beryllium	U		0.120	2.00	1	12/22/2015 16:31	WG836935
Cadmium	0.396	J	0.160	1.00	1	12/22/2015 16:31	WG836935
Chromium	1.62	J	0.540	2.00	1	12/22/2015 16:31	WG836935
Copper	U		0.520	5.00	1	12/22/2015 16:31	WG836935
Cobalt	U		0.260	2.00	1	12/22/2015 16:31	WG836935
Iron	516		15.0	100	1	12/22/2015 16:31	WG836935
Lead	1.34	J	0.240	2.00	1	12/22/2015 16:31	WG836935
Manganese	17.5		0.250	5.00	1	12/22/2015 16:31	WG836935
Nickel	1.42	J	0.350	2.00	1	12/22/2015 16:31	WG836935
Selenium	U		0.380	2.00	1	12/22/2015 16:31	WG836935
Silver	U		0.310	2.00	1	12/22/2015 16:31	WG836935
Thallium	U		0.190	2.00	1	12/22/2015 16:31	WG836935
Tin	U		0.300	2.00	1	12/22/2015 16:31	WG836935
Vanadium	1.93	J	0.180	5.00	1	12/22/2015 16:31	WG836935
Zinc	36.4		2.56	25.0	1	12/22/2015 16:31	WG836935

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/29/2015 20:18	WG838908
Acrylonitrile	U		1.87	10.0	1	12/29/2015 20:18	WG838908
Benzene	U		0.331	1.00	1	12/29/2015 20:18	WG838908
Bromochloromethane	U		0.520	1.00	1	12/29/2015 20:18	WG838908
Bromodichloromethane	U		0.380	1.00	1	12/29/2015 20:18	WG838908
Bromoform	U		0.469	1.00	1	12/29/2015 20:18	WG838908
Bromomethane	U		0.866	5.00	1	12/29/2015 20:18	WG838908
Carbon disulfide	U		0.275	1.00	1	12/29/2015 20:18	WG838908
Carbon tetrachloride	U		0.379	1.00	1	12/29/2015 20:18	WG838908
Chlorobenzene	U		0.348	1.00	1	12/29/2015 20:18	WG838908
Chlorodibromomethane	U		0.327	1.00	1	12/29/2015 20:18	WG838908
Chloroethane	U		0.453	5.00	1	12/29/2015 20:18	WG838908
Chloroform	U		0.324	5.00	1	12/29/2015 20:18	WG838908
Chloromethane	U		0.276	2.50	1	12/29/2015 20:18	WG838908
Dibromomethane	U		0.346	1.00	1	12/29/2015 20:18	WG838908
1,2-Dibromoethane	U		0.381	1.00	1	12/29/2015 20:18	WG838908
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/29/2015 20:18	WG838908
1,2-Dichlorobenzene	U		0.349	1.00	1	12/29/2015 20:18	WG838908
1,4-Dichlorobenzene	U		0.274	1.00	1	12/29/2015 20:18	WG838908
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/29/2015 20:18	WG838908
1,1-Dichloroethane	U		0.259	1.00	1	12/29/2015 20:18	WG838908
1,2-Dichloroethane	U		0.361	1.00	1	12/29/2015 20:18	WG838908
1,1-Dichloroethene	U		0.398	1.00	1	12/29/2015 20:18	WG838908
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/29/2015 20:18	WG838908
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/29/2015 20:18	WG838908
1,2-Dichloropropane	U		0.306	1.00	1	12/29/2015 20:18	WG838908
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/29/2015 20:18	WG838908
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/29/2015 20:18	WG838908
Ethylbenzene	U		0.384	1.00	1	12/29/2015 20:18	WG838908
2-Hexanone	U		3.82	10.0	1	12/29/2015 20:18	WG838908
Iodomethane	U		1.71	10.0	1	12/29/2015 20:18	WG838908
2-Butanone (MEK)	U		3.93	15.0	1	12/29/2015 20:18	WG838908
Methylene Chloride	U		1.00	5.00	1	12/29/2015 20:18	WG838908
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/29/2015 20:18	WG838908
Styrene	U		0.307	1.00	1	12/29/2015 20:18	WG838908
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/29/2015 20:18	WG838908
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/29/2015 20:18	WG838908
Tetrachloroethene	U		0.372	1.00	1	12/29/2015 20:18	WG838908
Toluene	U		0.780	5.00	1	12/29/2015 20:18	WG838908
1,1,1-Trichloroethane	U		0.319	1.00	1	12/29/2015 20:18	WG838908
1,1,2-Trichloroethane	U		0.383	1.00	1	12/29/2015 20:18	WG838908
Trichloroethene	U		0.398	1.00	1	12/29/2015 20:18	WG838908
Trichlorofluoromethane	U		1.20	5.00	1	12/29/2015 20:18	WG838908
1,2,3-Trichloropropane	U		0.807	2.50	1	12/29/2015 20:18	WG838908
Vinyl acetate	U		1.63	10.0	1	12/29/2015 20:18	WG838908
Vinyl chloride	U		0.259	1.00	1	12/29/2015 20:18	WG838908
Xylenes, Total	U		1.06	3.00	1	12/29/2015 20:18	WG838908
(S) Toluene-d8	*103*			*90.0-115*		*12/29/2015 20:18*	WG838908
(S) Dibromofluoromethane	*91.4*			*79.0-121*		*12/29/2015 20:18*	WG838908
(S) 4-Bromofluorobenzene	*106*			*80.1-120*		*12/29/2015 20:18*	WG838908

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	554000		2820	10000	1	12/22/2015 15:59	WG837341

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		6.50	50.0	1	12/22/2015 18:22	WG837487

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 13:22	WG837475

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	77300		51.9	1000	1	12/21/2015 16:30	WG836984
Sulfate	17300		77.4	5000	1	12/21/2015 16:30	WG836984

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	7810		102	1000	1	12/23/2015 19:38	WG836785

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/21/2015 12:22	WG836889

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.395	J	0.210	2.00	1	12/22/2015 17:18	WG836935
Arsenic	1.16	J	0.250	2.00	1	12/22/2015 17:18	WG836935
Barium	106		0.360	5.00	1	12/22/2015 17:18	WG836935
Beryllium	U		0.120	2.00	1	12/22/2015 17:18	WG836935
Cadmium	0.187	J	0.160	1.00	1	12/22/2015 17:18	WG836935
Chromium	U		0.540	2.00	1	12/22/2015 17:18	WG836935
Copper	1.13	J	0.520	5.00	1	12/22/2015 17:18	WG836935
Cobalt	1.10	J	0.260	2.00	1	12/22/2015 17:18	WG836935
Iron	134		15.0	100	1	12/22/2015 17:18	WG836935
Lead	0.494	J	0.240	2.00	1	12/22/2015 17:18	WG836935
Manganese	141		0.250	5.00	1	12/22/2015 17:18	WG836935
Nickel	5.85		0.350	2.00	1	12/22/2015 17:18	WG836935
Selenium	U		0.380	2.00	1	12/22/2015 17:18	WG836935
Silver	U		0.310	2.00	1	12/22/2015 17:18	WG836935
Thallium	U		0.190	2.00	1	12/22/2015 17:18	WG836935
Tin	0.348	J	0.300	2.00	1	12/22/2015 17:18	WG836935
Vanadium	0.890	J	0.180	5.00	1	12/22/2015 17:18	WG836935
Zinc	15.6	J	2.56	25.0	1	12/22/2015 17:18	WG836935

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/29/2015 12:42	WG838848
Acrylonitrile	U		1.87	10.0	1	12/29/2015 12:42	WG838848
Benzene	U		0.331	1.00	1	12/29/2015 12:42	WG838848
Bromochloromethane	U		0.520	1.00	1	12/29/2015 12:42	WG838848
Bromodichloromethane	U		0.380	1.00	1	12/29/2015 12:42	WG838848
Bromoform	U		0.469	1.00	1	12/29/2015 12:42	WG838848
Bromomethane	U		0.866	5.00	1	12/29/2015 12:42	WG838848
Carbon disulfide	U		0.275	1.00	1	12/29/2015 12:42	WG838848
Carbon tetrachloride	U		0.379	1.00	1	12/29/2015 12:42	WG838848
Chlorobenzene	U		0.348	1.00	1	12/29/2015 12:42	WG838848
Chlorodibromomethane	U		0.327	1.00	1	12/29/2015 12:42	WG838848
Chloroethane	U		0.453	5.00	1	12/29/2015 12:42	WG838848
Chloroform	U		0.324	5.00	1	12/29/2015 12:42	WG838848
Chloromethane	U		0.276	2.50	1	12/29/2015 12:42	WG838848
Dibromomethane	U		0.346	1.00	1	12/29/2015 12:42	WG838848
1,2-Dibromoethane	U		0.381	1.00	1	12/29/2015 12:42	WG838848
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/29/2015 12:42	WG838848
1,2-Dichlorobenzene	U		0.349	1.00	1	12/29/2015 12:42	WG838848
1,4-Dichlorobenzene	U		0.274	1.00	1	12/29/2015 12:42	WG838848
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/29/2015 12:42	WG838848
1,1-Dichloroethane	U		0.259	1.00	1	12/29/2015 12:42	WG838848
1,2-Dichloroethane	U		0.361	1.00	1	12/29/2015 12:42	WG838848
1,1-Dichloroethene	U		0.398	1.00	1	12/29/2015 12:42	WG838848
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/29/2015 12:42	WG838848
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/29/2015 12:42	WG838848
1,2-Dichloropropane	U		0.306	1.00	1	12/29/2015 12:42	WG838848
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/29/2015 12:42	WG838848
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/29/2015 12:42	WG838848
Ethylbenzene	U		0.384	1.00	1	12/29/2015 12:42	WG838848
2-Hexanone	U		3.82	10.0	1	12/29/2015 12:42	WG838848
Iodomethane	U		1.71	10.0	1	12/29/2015 12:42	WG838848
2-Butanone (MEK)	U		3.93	15.0	1	12/29/2015 12:42	WG838848
Methylene Chloride	U	J4	1.00	5.00	1	12/29/2015 12:42	WG838848
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/29/2015 12:42	WG838848
Styrene	U		0.307	1.00	1	12/29/2015 12:42	WG838848
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/29/2015 12:42	WG838848
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/29/2015 12:42	WG838848
Tetrachloroethene	U		0.372	1.00	1	12/29/2015 12:42	WG838848
Toluene	U		0.780	5.00	1	12/29/2015 12:42	WG838848
1,1,1-Trichloroethane	U		0.319	1.00	1	12/29/2015 12:42	WG838848
1,1,2-Trichloroethane	U		0.383	1.00	1	12/29/2015 12:42	WG838848
Trichloroethene	U		0.398	1.00	1	12/29/2015 12:42	WG838848
Trichlorofluoromethane	U		1.20	5.00	1	12/29/2015 12:42	WG838848
1,2,3-Trichloropropane	U		0.807	2.50	1	12/29/2015 12:42	WG838848
Vinyl acetate	U		1.63	10.0	1	12/29/2015 12:42	WG838848
Vinyl chloride	U		0.259	1.00	1	12/29/2015 12:42	WG838848
Xylenes, Total	U		1.06	3.00	1	12/29/2015 12:42	WG838848
(S) Toluene-d8	*106*			*90.0-115*		*12/29/2015 12:42*	WG838848
(S) Dibromofluoromethane	*109*			*79.0-121*		*12/29/2015 12:42*	WG838848
(S) 4-Bromofluorobenzene	*96.6*			*80.1-120*		*12/29/2015 12:42*	WG838848

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	205000		2820	10000	1	12/21/2015 04:05	WG836806

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		6.50	50.0	1	12/22/2015 18:22	WG837487

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 13:23	WG837475

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	19100		51.9	1000	1	12/21/2015 16:45	WG836984
Sulfate	6810		77.4	5000	1	12/21/2015 16:45	WG836984

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	3880		102	1000	1	12/23/2015 20:03	WG836785

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/21/2015 12:24	WG836889

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.660	J	0.210	2.00	1	12/22/2015 17:21	WG836935
Arsenic	4.50		0.250	2.00	1	12/22/2015 17:21	WG836935
Barium	32.1		0.360	5.00	1	12/22/2015 17:21	WG836935
Beryllium	0.145	J	0.120	2.00	1	12/23/2015 13:03	WG836935
Cadmium	U		0.160	1.00	1	12/22/2015 17:21	WG836935
Chromium	3.69		0.540	2.00	1	12/22/2015 17:21	WG836935
Copper	3.02	J	0.520	5.00	1	12/22/2015 17:21	WG836935
Cobalt	1.27	J	0.260	2.00	1	12/22/2015 17:21	WG836935
Iron	3730		15.0	100	1	12/22/2015 17:21	WG836935
Lead	12.4		0.240	2.00	1	12/22/2015 17:21	WG836935
Manganese	16.4		0.250	5.00	1	12/22/2015 17:21	WG836935
Nickel	3.58		0.350	2.00	1	12/22/2015 17:21	WG836935
Selenium	U		0.380	2.00	1	12/22/2015 17:21	WG836935
Silver	U		0.310	2.00	1	12/22/2015 17:21	WG836935
Thallium	U		0.190	2.00	1	12/22/2015 17:21	WG836935
Tin	0.579	J	0.300	2.00	1	12/22/2015 17:21	WG836935
Vanadium	7.43		0.180	5.00	1	12/22/2015 17:21	WG836935
Zinc	52.2		2.56	25.0	1	12/22/2015 17:21	WG836935

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/28/2015 20:43	WG836764
Acrylonitrile	U		1.87	10.0	1	12/28/2015 20:43	WG836764
Benzene	U		0.331	1.00	1	12/28/2015 20:43	WG836764
Bromochloromethane	U		0.520	1.00	1	12/28/2015 20:43	WG836764
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 20:43	WG836764
Bromoform	U		0.469	1.00	1	12/28/2015 20:43	WG836764
Bromomethane	U	J4	0.866	5.00	1	12/28/2015 20:43	WG836764
Carbon disulfide	U		0.275	1.00	1	12/28/2015 20:43	WG836764
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 20:43	WG836764
Chlorobenzene	U		0.348	1.00	1	12/28/2015 20:43	WG836764
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 20:43	WG836764
Chloroethane	U		0.453	5.00	1	12/28/2015 20:43	WG836764
Chloroform	U		0.324	5.00	1	12/28/2015 20:43	WG836764
Chloromethane	U		0.276	2.50	1	12/28/2015 20:43	WG836764
Dibromomethane	U		0.346	1.00	1	12/28/2015 20:43	WG836764
1,2-Dibromoethane	U	J4	0.381	1.00	1	12/28/2015 20:43	WG836764
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 20:43	WG836764
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 20:43	WG836764
1,4-Dichlorobenzene	U		0.274	1.00	1	12/28/2015 20:43	WG836764
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 20:43	WG836764
1,1-Dichloroethane	U		0.259	1.00	1	12/28/2015 20:43	WG836764
1,2-Dichloroethane	U		0.361	1.00	1	12/28/2015 20:43	WG836764
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 20:43	WG836764
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/28/2015 20:43	WG836764
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 20:43	WG836764
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 20:43	WG836764
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 20:43	WG836764
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 20:43	WG836764
Ethylbenzene	U		0.384	1.00	1	12/28/2015 20:43	WG836764
2-Hexanone	U		3.82	10.0	1	12/28/2015 20:43	WG836764
Iodomethane	U		1.71	10.0	1	12/28/2015 20:43	WG836764
2-Butanone (MEK)	U		3.93	15.0	1	12/28/2015 20:43	WG836764
Methylene Chloride	U		1.00	5.00	1	12/28/2015 20:43	WG836764
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 20:43	WG836764
Styrene	U		0.307	1.00	1	12/28/2015 20:43	WG836764
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 20:43	WG836764
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 20:43	WG836764
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 20:43	WG836764
Toluene	U		0.780	5.00	1	12/28/2015 20:43	WG836764
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 20:43	WG836764
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 20:43	WG836764
Trichloroethene	U		0.398	1.00	1	12/28/2015 20:43	WG836764
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 20:43	WG836764
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 20:43	WG836764
Vinyl acetate	U		1.63	10.0	1	12/28/2015 20:43	WG836764
Vinyl chloride	U		0.259	1.00	1	12/28/2015 20:43	WG836764
Xylenes, Total	U		1.06	3.00	1	12/28/2015 20:43	WG836764
(S) Toluene-d8	*112*			*90.0-115*		*12/28/2015 20:43*	WG836764
(S) Dibromofluoromethane	*114*			*79.0-121*		*12/28/2015 20:43*	WG836764
(S) 4-Bromofluorobenzene	*96.7*			*80.1-120*		*12/28/2015 20:43*	WG836764

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	206000		2820	10000	1	12/22/2015 15:59	WG837341

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		6.50	50.0	1	12/22/2015 18:22	WG837487

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 13:24	WG837475

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	12100		51.9	1000	1	12/21/2015 14:15	WG836984
Sulfate	7740		77.4	5000	1	12/21/2015 14:15	WG836984

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	5690		102	1000	1	12/23/2015 20:17	WG836785

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/21/2015 12:27	WG836889

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.688	J	0.210	2.00	1	12/22/2015 17:23	WG836935
Arsenic	9.71		0.250	2.00	1	12/22/2015 17:23	WG836935
Barium	78.1		0.360	5.00	1	12/22/2015 17:23	WG836935
Beryllium	0.350	J	0.120	2.00	1	12/23/2015 13:05	WG836935
Cadmium	0.267	J	0.160	1.00	1	12/22/2015 17:23	WG836935
Chromium	5.10		0.540	2.00	1	12/22/2015 17:23	WG836935
Copper	6.50		0.520	5.00	1	12/22/2015 17:23	WG836935
Cobalt	5.00		0.260	2.00	1	12/22/2015 17:23	WG836935
Iron	6770		15.0	100	1	12/22/2015 17:23	WG836935
Lead	17.9		0.240	2.00	1	12/22/2015 17:23	WG836935
Manganese	1110		0.250	5.00	1	12/22/2015 17:23	WG836935
Nickel	5.72		0.350	2.00	1	12/22/2015 17:23	WG836935
Selenium	0.383	J	0.380	2.00	1	12/22/2015 17:23	WG836935
Silver	U		0.310	2.00	1	12/22/2015 17:23	WG836935
Thallium	U		0.190	2.00	1	12/22/2015 17:23	WG836935
Tin	0.497	J	0.300	2.00	1	12/22/2015 17:23	WG836935
Vanadium	11.0		0.180	5.00	1	12/22/2015 17:23	WG836935
Zinc	95.7		2.56	25.0	1	12/22/2015 17:23	WG836935

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/29/2015 13:03	WG838848
Acrylonitrile	U		1.87	10.0	1	12/29/2015 13:03	WG838848
Benzene	U		0.331	1.00	1	12/29/2015 13:03	WG838848
Bromochloromethane	U		0.520	1.00	1	12/29/2015 13:03	WG838848
Bromodichloromethane	U		0.380	1.00	1	12/29/2015 13:03	WG838848
Bromoform	U		0.469	1.00	1	12/29/2015 13:03	WG838848
Bromomethane	U		0.866	5.00	1	12/29/2015 13:03	WG838848
Carbon disulfide	U		0.275	1.00	1	12/29/2015 13:03	WG838848
Carbon tetrachloride	U		0.379	1.00	1	12/29/2015 13:03	WG838848
Chlorobenzene	U		0.348	1.00	1	12/29/2015 13:03	WG838848
Chlorodibromomethane	U		0.327	1.00	1	12/29/2015 13:03	WG838848
Chloroethane	U		0.453	5.00	1	12/29/2015 13:03	WG838848
Chloroform	U		0.324	5.00	1	12/29/2015 13:03	WG838848
Chloromethane	U		0.276	2.50	1	12/29/2015 13:03	WG838848
Dibromomethane	U		0.346	1.00	1	12/29/2015 13:03	WG838848
1,2-Dibromoethane	U		0.381	1.00	1	12/29/2015 13:03	WG838848
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/29/2015 13:03	WG838848
1,2-Dichlorobenzene	U		0.349	1.00	1	12/29/2015 13:03	WG838848
1,4-Dichlorobenzene	U		0.274	1.00	1	12/29/2015 13:03	WG838848
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/29/2015 13:03	WG838848
1,1-Dichloroethane	U		0.259	1.00	1	12/29/2015 13:03	WG838848
1,2-Dichloroethane	U		0.361	1.00	1	12/29/2015 13:03	WG838848
1,1-Dichloroethene	U		0.398	1.00	1	12/29/2015 13:03	WG838848
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/29/2015 13:03	WG838848
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/29/2015 13:03	WG838848
1,2-Dichloropropane	U		0.306	1.00	1	12/29/2015 13:03	WG838848
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/29/2015 13:03	WG838848
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/29/2015 13:03	WG838848
Ethylbenzene	U		0.384	1.00	1	12/29/2015 13:03	WG838848
2-Hexanone	U		3.82	10.0	1	12/29/2015 13:03	WG838848
Iodomethane	U		1.71	10.0	1	12/29/2015 13:03	WG838848
2-Butanone (MEK)	U		3.93	15.0	1	12/29/2015 13:03	WG838848
Methylene Chloride	U	J4	1.00	5.00	1	12/29/2015 13:03	WG838848
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/29/2015 13:03	WG838848
Styrene	U		0.307	1.00	1	12/29/2015 13:03	WG838848
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/29/2015 13:03	WG838848
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/29/2015 13:03	WG838848
Tetrachloroethene	U		0.372	1.00	1	12/29/2015 13:03	WG838848
Toluene	U		0.780	5.00	1	12/29/2015 13:03	WG838848
1,1,1-Trichloroethane	U		0.319	1.00	1	12/29/2015 13:03	WG838848
1,1,2-Trichloroethane	U		0.383	1.00	1	12/29/2015 13:03	WG838848
Trichloroethene	U		0.398	1.00	1	12/29/2015 13:03	WG838848
Trichlorofluoromethane	U		1.20	5.00	1	12/29/2015 13:03	WG838848
1,2,3-Trichloropropane	U		0.807	2.50	1	12/29/2015 13:03	WG838848
Vinyl acetate	U		1.63	10.0	1	12/29/2015 13:03	WG838848
Vinyl chloride	U		0.259	1.00	1	12/29/2015 13:03	WG838848
Xylenes, Total	U		1.06	3.00	1	12/29/2015 13:03	WG838848
(S) Toluene-d8	*106*			*90.0-115*		*12/29/2015 13:03*	WG838848
(S) Dibromofluoromethane	*108*			*79.0-121*		*12/29/2015 13:03*	WG838848
(S) 4-Bromofluorobenzene	*97.0*			*80.1-120*		*12/29/2015 13:03*	WG838848

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	245000		2820	10000	1	12/22/2015 09:51	WG837345

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		6.50	50.0	1	12/22/2015 18:24	WG837487

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 13:25	WG837475

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	5980		51.9	1000	1	12/21/2015 17:01	WG836984
Sulfate	37800		77.4	5000	1	12/21/2015 17:01	WG836984

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	4690		102	1000	1	12/23/2015 20:31	WG836785

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/22/2015 18:45	WG836891

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.601	J	0.210	2.00	1	12/22/2015 17:25	WG836935
Arsenic	1.45	J	0.250	2.00	1	12/22/2015 17:25	WG836935
Barium	53.8		0.360	5.00	1	12/22/2015 17:25	WG836935
Beryllium	U		0.120	2.00	1	12/22/2015 17:25	WG836935
Cadmium	0.436	J	0.160	1.00	1	12/22/2015 17:25	WG836935
Chromium	0.814	J	0.540	2.00	1	12/22/2015 17:25	WG836935
Copper	U		0.520	5.00	1	12/22/2015 17:25	WG836935
Cobalt	0.799	J	0.260	2.00	1	12/22/2015 17:25	WG836935
Iron	655		15.0	100	1	12/22/2015 17:25	WG836935
Lead	2.74		0.240	2.00	1	12/22/2015 17:25	WG836935
Manganese	328		0.250	5.00	1	12/22/2015 17:25	WG836935
Nickel	1.53	J	0.350	2.00	1	12/22/2015 17:25	WG836935
Selenium	U		0.380	2.00	1	12/22/2015 17:25	WG836935
Silver	U		0.310	2.00	1	12/22/2015 17:25	WG836935
Thallium	U		0.190	2.00	1	12/22/2015 17:25	WG836935
Tin	U		0.300	2.00	1	12/22/2015 17:25	WG836935
Vanadium	1.62	J	0.180	5.00	1	12/22/2015 17:25	WG836935
Zinc	18.4	J	2.56	25.0	1	12/22/2015 17:25	WG836935

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/28/2015 14:15	WG836870
Acrylonitrile	U		1.87	10.0	1	12/28/2015 14:15	WG836870
Benzene	U		0.331	1.00	1	12/28/2015 14:15	WG836870
Bromochloromethane	U		0.520	1.00	1	12/28/2015 14:15	WG836870
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 14:15	WG836870
Bromoform	U		0.469	1.00	1	12/28/2015 14:15	WG836870
Bromomethane	U		0.866	5.00	1	12/28/2015 14:15	WG836870
Carbon disulfide	U		0.275	1.00	1	12/28/2015 14:15	WG836870
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 14:15	WG836870
Chlorobenzene	U		0.348	1.00	1	12/28/2015 14:15	WG836870
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 14:15	WG836870
Chloroethane	U		0.453	5.00	1	12/28/2015 14:15	WG836870
Chloroform	U		0.324	5.00	1	12/28/2015 14:15	WG836870
Chloromethane	U		0.276	2.50	1	12/28/2015 14:15	WG836870
Dibromomethane	U		0.346	1.00	1	12/28/2015 14:15	WG836870
1,2-Dibromoethane	U		0.381	1.00	1	12/28/2015 14:15	WG836870
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 14:15	WG836870
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 14:15	WG836870
1,4-Dichlorobenzene	U		0.274	1.00	1	12/28/2015 14:15	WG836870
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 14:15	WG836870
1,1-Dichloroethane	U		0.259	1.00	1	12/28/2015 14:15	WG836870
1,2-Dichloroethane	U		0.361	1.00	1	12/28/2015 14:15	WG836870
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 14:15	WG836870
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/28/2015 14:15	WG836870
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 14:15	WG836870
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 14:15	WG836870
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 14:15	WG836870
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 14:15	WG836870
Ethylbenzene	U		0.384	1.00	1	12/28/2015 14:15	WG836870
2-Hexanone	U		3.82	10.0	1	12/28/2015 14:15	WG836870
Iodomethane	U		1.71	10.0	1	12/28/2015 14:15	WG836870
2-Butanone (MEK)	U		3.93	15.0	1	12/28/2015 14:15	WG836870
Methylene Chloride	U		1.00	5.00	1	12/28/2015 14:15	WG836870
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 14:15	WG836870
Styrene	U		0.307	1.00	1	12/28/2015 14:15	WG836870
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 14:15	WG836870
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 14:15	WG836870
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 14:15	WG836870
Toluene	U		0.780	5.00	1	12/28/2015 14:15	WG836870
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 14:15	WG836870
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 14:15	WG836870
Trichloroethene	U		0.398	1.00	1	12/28/2015 14:15	WG836870
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 14:15	WG836870
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 14:15	WG836870
Vinyl acetate	U		1.63	10.0	1	12/28/2015 14:15	WG836870
Vinyl chloride	U		0.259	1.00	1	12/28/2015 14:15	WG836870
Xylenes, Total	U		1.06	3.00	1	12/28/2015 14:15	WG836870
(S) Toluene-d8	*105*			*90.0-115*		*12/28/2015 14:15*	WG836870
(S) Dibromofluoromethane	*102*			*79.0-121*		*12/28/2015 14:15*	WG836870
(S) 4-Bromofluorobenzene	*109*			*80.1-120*		*12/28/2015 14:15*	WG836870

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	250000		2820	10000	1	12/22/2015 09:51	WG837345

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		6.50	50.0	1	12/22/2015 18:24	WG837487

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 13:26	WG837475

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	31300		51.9	1000	1	12/21/2015 17:32	WG836984
Sulfate	6350		77.4	5000	1	12/21/2015 17:32	WG836984

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	6090		102	1000	1	12/23/2015 20:47	WG836785

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/22/2015 18:48	WG836891

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.498	J	0.210	2.00	1	12/22/2015 17:28	WG836935
Arsenic	3.21		0.250	2.00	1	12/22/2015 17:28	WG836935
Barium	50.7		0.360	5.00	1	12/22/2015 17:28	WG836935
Beryllium	U		0.120	2.00	1	12/22/2015 17:28	WG836935
Cadmium	U		0.160	1.00	1	12/22/2015 17:28	WG836935
Chromium	2.00		0.540	2.00	1	12/22/2015 17:28	WG836935
Copper	3.24	J	0.520	5.00	1	12/22/2015 17:28	WG836935
Cobalt	1.14	J	0.260	2.00	1	12/22/2015 17:28	WG836935
Iron	2090		15.0	100	1	12/22/2015 17:28	WG836935
Lead	4.65		0.240	2.00	1	12/22/2015 17:28	WG836935
Manganese	149		0.250	5.00	1	12/22/2015 17:28	WG836935
Nickel	4.14		0.350	2.00	1	12/22/2015 17:28	WG836935
Selenium	U		0.380	2.00	1	12/22/2015 17:28	WG836935
Silver	U		0.310	2.00	1	12/22/2015 17:28	WG836935
Thallium	U		0.190	2.00	1	12/22/2015 17:28	WG836935
Tin	0.393	J	0.300	2.00	1	12/22/2015 17:28	WG836935
Vanadium	3.83	J	0.180	5.00	1	12/22/2015 17:28	WG836935
Zinc	33.5		2.56	25.0	1	12/22/2015 17:28	WG836935

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/28/2015 14:37	WG836870
Acrylonitrile	U		1.87	10.0	1	12/28/2015 14:37	WG836870
Benzene	U		0.331	1.00	1	12/28/2015 14:37	WG836870
Bromochloromethane	U		0.520	1.00	1	12/28/2015 14:37	WG836870
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 14:37	WG836870
Bromoform	U		0.469	1.00	1	12/28/2015 14:37	WG836870
Bromomethane	U		0.866	5.00	1	12/28/2015 14:37	WG836870
Carbon disulfide	U		0.275	1.00	1	12/28/2015 14:37	WG836870
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 14:37	WG836870
Chlorobenzene	U		0.348	1.00	1	12/28/2015 14:37	WG836870
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 14:37	WG836870
Chloroethane	U		0.453	5.00	1	12/28/2015 14:37	WG836870
Chloroform	U		0.324	5.00	1	12/28/2015 14:37	WG836870
Chloromethane	U		0.276	2.50	1	12/28/2015 14:37	WG836870
Dibromomethane	U		0.346	1.00	1	12/28/2015 14:37	WG836870
1,2-Dibromoethane	U		0.381	1.00	1	12/28/2015 14:37	WG836870
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 14:37	WG836870
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 14:37	WG836870
1,4-Dichlorobenzene	U		0.274	1.00	1	12/28/2015 14:37	WG836870
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 14:37	WG836870
1,1-Dichloroethane	U		0.259	1.00	1	12/28/2015 14:37	WG836870
1,2-Dichloroethane	U		0.361	1.00	1	12/28/2015 14:37	WG836870
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 14:37	WG836870
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/28/2015 14:37	WG836870
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 14:37	WG836870
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 14:37	WG836870
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 14:37	WG836870
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 14:37	WG836870
Ethylbenzene	U		0.384	1.00	1	12/28/2015 14:37	WG836870
2-Hexanone	U		3.82	10.0	1	12/28/2015 14:37	WG836870
Iodomethane	U		1.71	10.0	1	12/28/2015 14:37	WG836870
2-Butanone (MEK)	U		3.93	15.0	1	12/28/2015 14:37	WG836870
Methylene Chloride	U		1.00	5.00	1	12/28/2015 14:37	WG836870
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 14:37	WG836870
Styrene	U		0.307	1.00	1	12/28/2015 14:37	WG836870
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 14:37	WG836870
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 14:37	WG836870
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 14:37	WG836870
Toluene	U		0.780	5.00	1	12/28/2015 14:37	WG836870
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 14:37	WG836870
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 14:37	WG836870
Trichloroethene	U		0.398	1.00	1	12/28/2015 14:37	WG836870
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 14:37	WG836870
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 14:37	WG836870
Vinyl acetate	U		1.63	10.0	1	12/28/2015 14:37	WG836870
Vinyl chloride	U		0.259	1.00	1	12/28/2015 14:37	WG836870
Xylenes, Total	U		1.06	3.00	1	12/28/2015 14:37	WG836870
(S) Toluene-d8	*103*			*90.0-115*		*12/28/2015 14:37*	WG836870
(S) Dibromofluoromethane	*101*			*79.0-121*		*12/28/2015 14:37*	WG836870
(S) 4-Bromofluorobenzene	*108*			*80.1-120*		*12/28/2015 14:37*	WG836870

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	1810000		2820	10000	1	12/22/2015 09:51	WG837345

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		6.50	50.0	1	12/22/2015 18:24	WG837487

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 13:27	WG837475

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	678000		519	10000	10	12/21/2015 17:47	WG836984
Sulfate	5910		77.4	5000	1	12/24/2015 11:35	WG838131

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	71400		102	1000	1	12/23/2015 21:05	WG836785

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/22/2015 18:51	WG836891

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.822	J	0.210	2.00	1	12/22/2015 17:30	WG836935
Arsenic	5.86		0.250	2.00	1	12/22/2015 17:30	WG836935
Barium	2620		0.360	5.00	1	12/22/2015 17:30	WG836935
Beryllium	U		0.120	2.00	1	12/22/2015 17:30	WG836935
Cadmium	U		0.160	1.00	1	12/22/2015 17:30	WG836935
Chromium	2.71		0.540	2.00	1	12/22/2015 17:30	WG836935
Copper	U		0.520	5.00	1	12/22/2015 17:30	WG836935
Cobalt	5.94		0.260	2.00	1	12/22/2015 17:30	WG836935
Iron	32400		15.0	100	1	12/22/2015 17:30	WG836935
Lead	U		0.240	2.00	1	12/22/2015 17:30	WG836935
Manganese	1160		0.250	5.00	1	12/22/2015 17:30	WG836935
Nickel	39.6	B	0.350	2.00	1	12/22/2015 17:30	WG836935
Selenium	0.431	J	0.380	2.00	1	12/22/2015 17:30	WG836935
Silver	U		0.310	2.00	1	12/22/2015 17:30	WG836935
Thallium	U		0.190	2.00	1	12/22/2015 17:30	WG836935
Tin	4.69		0.300	2.00	1	12/22/2015 17:30	WG836935
Vanadium	1.50	J	0.180	5.00	1	12/22/2015 17:30	WG836935
Zinc	3.40	J	2.56	25.0	1	12/22/2015 17:30	WG836935

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/28/2015 14:58	WG836870
Acrylonitrile	U		1.87	10.0	1	12/28/2015 14:58	WG836870
Benzene	U		0.331	1.00	1	12/28/2015 14:58	WG836870
Bromochloromethane	U		0.520	1.00	1	12/28/2015 14:58	WG836870
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 14:58	WG836870
Bromoform	U		0.469	1.00	1	12/28/2015 14:58	WG836870
Bromomethane	U		0.866	5.00	1	12/28/2015 14:58	WG836870
Carbon disulfide	U		0.275	1.00	1	12/28/2015 14:58	WG836870
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 14:58	WG836870
Chlorobenzene	U		0.348	1.00	1	12/28/2015 14:58	WG836870
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 14:58	WG836870
Chloroethane	0.463	J	0.453	5.00	1	12/28/2015 14:58	WG836870
Chloroform	U		0.324	5.00	1	12/28/2015 14:58	WG836870
Chloromethane	U		0.276	2.50	1	12/28/2015 14:58	WG836870
Dibromomethane	U		0.346	1.00	1	12/28/2015 14:58	WG836870
1,2-Dibromoethane	U		0.381	1.00	1	12/28/2015 14:58	WG836870
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 14:58	WG836870
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 14:58	WG836870
1,4-Dichlorobenzene	0.771	J	0.274	1.00	1	12/28/2015 14:58	WG836870
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 14:58	WG836870
1,1-Dichloroethane	0.362	J	0.259	1.00	1	12/28/2015 14:58	WG836870
1,2-Dichloroethane	U		0.361	1.00	1	12/28/2015 14:58	WG836870
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 14:58	WG836870
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/28/2015 14:58	WG836870
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 14:58	WG836870
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 14:58	WG836870
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 14:58	WG836870
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 14:58	WG836870
Ethylbenzene	U		0.384	1.00	1	12/28/2015 14:58	WG836870
2-Hexanone	U		3.82	10.0	1	12/28/2015 14:58	WG836870
Iodomethane	U		1.71	10.0	1	12/28/2015 14:58	WG836870
2-Butanone (MEK)	U		3.93	15.0	1	12/28/2015 14:58	WG836870
Methylene Chloride	U		1.00	5.00	1	12/28/2015 14:58	WG836870
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 14:58	WG836870
Styrene	U		0.307	1.00	1	12/28/2015 14:58	WG836870
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 14:58	WG836870
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 14:58	WG836870
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 14:58	WG836870
Toluene	U		0.780	5.00	1	12/28/2015 14:58	WG836870
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 14:58	WG836870
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 14:58	WG836870
Trichloroethene	U		0.398	1.00	1	12/28/2015 14:58	WG836870
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 14:58	WG836870
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 14:58	WG836870
Vinyl acetate	U		1.63	10.0	1	12/28/2015 14:58	WG836870
Vinyl chloride	U		0.259	1.00	1	12/28/2015 14:58	WG836870
Xylenes, Total	U		1.06	3.00	1	12/28/2015 14:58	WG836870
(S) Toluene-d8	*106*			*90.0-115*		*12/28/2015 14:58*	WG836870
(S) Dibromofluoromethane	*101*			*79.0-121*		*12/28/2015 14:58*	WG836870
(S) 4-Bromofluorobenzene	*109*			*80.1-120*		*12/28/2015 14:58*	WG836870

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	428000		2820	10000	1	12/22/2015 09:51	WG837345

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		6.50	50.0	1	12/22/2015 18:24	WG837487

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 13:28	WG837475

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	17100		51.9	1000	1	12/21/2015 18:03	WG836984
Sulfate	8050		77.4	5000	1	12/21/2015 18:03	WG836984

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	2490		102	1000	1	12/24/2015 00:43	WG837675

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/22/2015 18:54	WG836891

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.492	J	0.210	2.00	1	12/22/2015 17:32	WG836935
Arsenic	1.07	J	0.250	2.00	1	12/22/2015 17:32	WG836935
Barium	49.2		0.360	5.00	1	12/22/2015 17:32	WG836935
Beryllium	U		0.120	2.00	1	12/22/2015 17:32	WG836935
Cadmium	0.550	J	0.160	1.00	1	12/22/2015 17:32	WG836935
Chromium	1.89	J	0.540	2.00	1	12/22/2015 17:32	WG836935
Copper	U		0.520	5.00	1	12/22/2015 17:32	WG836935
Cobalt	U		0.260	2.00	1	12/22/2015 17:32	WG836935
Iron	47.9	J	15.0	100	1	12/22/2015 17:32	WG836935
Lead	0.261	J	0.240	2.00	1	12/22/2015 17:32	WG836935
Manganese	1.71	J	0.250	5.00	1	12/22/2015 17:32	WG836935
Nickel	0.956	J	0.350	2.00	1	12/22/2015 17:32	WG836935
Selenium	U		0.380	2.00	1	12/22/2015 17:32	WG836935
Silver	U		0.310	2.00	1	12/22/2015 17:32	WG836935
Thallium	U		0.190	2.00	1	12/22/2015 17:32	WG836935
Tin	0.379	J	0.300	2.00	1	12/22/2015 17:32	WG836935
Vanadium	0.696	J	0.180	5.00	1	12/22/2015 17:32	WG836935
Zinc	41.8		2.56	25.0	1	12/22/2015 17:32	WG836935

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	12/28/2015 15:20	WG836870
Acrylonitrile	U		1.87	10.0	1	12/28/2015 15:20	WG836870
Benzene	U		0.331	1.00	1	12/28/2015 15:20	WG836870
Bromochloromethane	U		0.520	1.00	1	12/28/2015 15:20	WG836870
Bromodichloromethane	U		0.380	1.00	1	12/28/2015 15:20	WG836870
Bromoform	U		0.469	1.00	1	12/28/2015 15:20	WG836870
Bromomethane	U		0.866	5.00	1	12/28/2015 15:20	WG836870
Carbon disulfide	U		0.275	1.00	1	12/28/2015 15:20	WG836870
Carbon tetrachloride	U		0.379	1.00	1	12/28/2015 15:20	WG836870
Chlorobenzene	U		0.348	1.00	1	12/28/2015 15:20	WG836870
Chlorodibromomethane	U		0.327	1.00	1	12/28/2015 15:20	WG836870
Chloroethane	U		0.453	5.00	1	12/28/2015 15:20	WG836870
Chloroform	U		0.324	5.00	1	12/28/2015 15:20	WG836870
Chloromethane	U		0.276	2.50	1	12/28/2015 15:20	WG836870
Dibromomethane	U		0.346	1.00	1	12/28/2015 15:20	WG836870
1,2-Dibromoethane	U		0.381	1.00	1	12/28/2015 15:20	WG836870
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/28/2015 15:20	WG836870
1,2-Dichlorobenzene	U		0.349	1.00	1	12/28/2015 15:20	WG836870
1,4-Dichlorobenzene	U		0.274	1.00	1	12/28/2015 15:20	WG836870
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/28/2015 15:20	WG836870
1,1-Dichloroethane	U		0.259	1.00	1	12/28/2015 15:20	WG836870
1,2-Dichloroethane	U		0.361	1.00	1	12/28/2015 15:20	WG836870
1,1-Dichloroethene	U		0.398	1.00	1	12/28/2015 15:20	WG836870
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/28/2015 15:20	WG836870
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/28/2015 15:20	WG836870
1,2-Dichloropropane	U		0.306	1.00	1	12/28/2015 15:20	WG836870
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/28/2015 15:20	WG836870
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/28/2015 15:20	WG836870
Ethylbenzene	U		0.384	1.00	1	12/28/2015 15:20	WG836870
2-Hexanone	U		3.82	10.0	1	12/28/2015 15:20	WG836870
Iodomethane	U		1.71	10.0	1	12/28/2015 15:20	WG836870
2-Butanone (MEK)	U		3.93	15.0	1	12/28/2015 15:20	WG836870
Methylene Chloride	U		1.00	5.00	1	12/28/2015 15:20	WG836870
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/28/2015 15:20	WG836870
Styrene	U		0.307	1.00	1	12/28/2015 15:20	WG836870
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/28/2015 15:20	WG836870
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/28/2015 15:20	WG836870
Tetrachloroethene	U		0.372	1.00	1	12/28/2015 15:20	WG836870
Toluene	U		0.780	5.00	1	12/28/2015 15:20	WG836870
1,1,1-Trichloroethane	U		0.319	1.00	1	12/28/2015 15:20	WG836870
1,1,2-Trichloroethane	U		0.383	1.00	1	12/28/2015 15:20	WG836870
Trichloroethene	U		0.398	1.00	1	12/28/2015 15:20	WG836870
Trichlorofluoromethane	U		1.20	5.00	1	12/28/2015 15:20	WG836870
1,2,3-Trichloropropane	U		0.807	2.50	1	12/28/2015 15:20	WG836870
Vinyl acetate	U		1.63	10.0	1	12/28/2015 15:20	WG836870
Vinyl chloride	U		0.259	1.00	1	12/28/2015 15:20	WG836870
Xylenes, Total	U		1.06	3.00	1	12/28/2015 15:20	WG836870
(S) Toluene-d8	*103*			*90.0-115*		*12/28/2015 15:20*	WG836870
(S) Dibromofluoromethane	*102*			*79.0-121*		*12/28/2015 15:20*	WG836870
(S) 4-Bromofluorobenzene	*108*			*80.1-120*		*12/28/2015 15:20*	WG836870

Gravimetric Analysis by Method 2540 C-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Dissolved Solids	9000	J	2820	10000	1	12/22/2015 09:51	WG837345

Wet Chemistry by Method 4500S2 D-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Sulfide	U		6.50	50.0	1	12/22/2015 18:25	WG837487

Wet Chemistry by Method 9012B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cyanide	U		1.80	5.00	1	12/23/2015 13:29	WG837475

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chloride	U		51.9	1000	1	12/21/2015 18:18	WG836984
Sulfate	U		77.4	5000	1	12/21/2015 18:18	WG836984

Wet Chemistry by Method 9060A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
TOC (Total Organic Carbon)	180	J	102	1000	1	12/24/2015 01:12	WG837675

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Mercury	U		0.0490	0.200	1	12/22/2015 18:57	WG836891

Metals (ICPMS) by Method 6020

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Antimony	0.795	J	0.210	2.00	1	12/22/2015 14:31	WG836935
Arsenic	0.564	J	0.250	2.00	1	12/22/2015 14:31	WG836935
Barium	U		0.360	5.00	1	12/22/2015 14:31	WG836935
Beryllium	U		0.120	2.00	1	12/22/2015 14:31	WG836935
Cadmium	U		0.160	1.00	1	12/22/2015 14:31	WG836935
Chromium	U		0.540	2.00	1	12/22/2015 14:31	WG836935
Copper	U		0.520	5.00	1	12/22/2015 14:31	WG836935
Cobalt	U		0.260	2.00	1	12/22/2015 14:31	WG836935
Iron	U		15.0	100	1	12/22/2015 14:31	WG836935
Lead	U		0.240	2.00	1	12/22/2015 14:31	WG836935
Manganese	U		0.250	5.00	1	12/22/2015 14:31	WG836935
Nickel	U		0.350	2.00	1	12/22/2015 14:31	WG836935
Selenium	U		0.380	2.00	1	12/22/2015 14:31	WG836935
Silver	U		0.310	2.00	1	12/22/2015 14:31	WG836935
Thallium	U		0.190	2.00	1	12/22/2015 14:31	WG836935
Tin	U		0.300	2.00	1	12/22/2015 14:31	WG836935
Vanadium	0.455	J	0.180	5.00	1	12/22/2015 14:31	WG836935
Zinc	U		2.56	25.0	1	12/22/2015 14:31	WG836935

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J3	10.0	50.0	1	12/22/2015 06:20	WG837094
Acrylonitrile	U		1.87	10.0	1	12/22/2015 06:20	WG837094
Benzene	U		0.331	1.00	1	12/22/2015 06:20	WG837094
Bromochloromethane	U		0.520	1.00	1	12/22/2015 06:20	WG837094
Bromodichloromethane	U		0.380	1.00	1	12/22/2015 06:20	WG837094
Bromoform	U		0.469	1.00	1	12/22/2015 06:20	WG837094
Bromomethane	U		0.866	5.00	1	12/22/2015 06:20	WG837094
Carbon disulfide	U		0.275	1.00	1	12/22/2015 06:20	WG837094
Carbon tetrachloride	U		0.379	1.00	1	12/22/2015 06:20	WG837094
Chlorobenzene	U		0.348	1.00	1	12/22/2015 06:20	WG837094
Chlorodibromomethane	U		0.327	1.00	1	12/22/2015 06:20	WG837094
Chloroethane	U		0.453	5.00	1	12/22/2015 06:20	WG837094
Chloroform	U		0.324	5.00	1	12/22/2015 06:20	WG837094
Chloromethane	U		0.276	2.50	1	12/22/2015 06:20	WG837094
Dibromomethane	U		0.346	1.00	1	12/22/2015 06:20	WG837094
1,2-Dibromoethane	U		0.381	1.00	1	12/22/2015 06:20	WG837094
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/22/2015 06:20	WG837094
1,2-Dichlorobenzene	U		0.349	1.00	1	12/22/2015 06:20	WG837094
1,4-Dichlorobenzene	U		0.274	1.00	1	12/22/2015 06:20	WG837094
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/22/2015 06:20	WG837094
1,1-Dichloroethane	U		0.259	1.00	1	12/22/2015 06:20	WG837094
1,2-Dichloroethane	U		0.361	1.00	1	12/22/2015 06:20	WG837094
1,1-Dichloroethene	U		0.398	1.00	1	12/22/2015 06:20	WG837094
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/22/2015 06:20	WG837094
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/22/2015 06:20	WG837094
1,2-Dichloropropane	U		0.306	1.00	1	12/22/2015 06:20	WG837094
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/22/2015 06:20	WG837094
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/22/2015 06:20	WG837094
Ethylbenzene	U		0.384	1.00	1	12/22/2015 06:20	WG837094
2-Hexanone	U		3.82	10.0	1	12/22/2015 06:20	WG837094
Iodomethane	U		1.71	10.0	1	12/22/2015 06:20	WG837094
2-Butanone (MEK)	U	J3	3.93	15.0	1	12/22/2015 06:20	WG837094
Methylene Chloride	U		1.00	5.00	1	12/22/2015 06:20	WG837094
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/22/2015 06:20	WG837094
Styrene	U		0.307	1.00	1	12/22/2015 06:20	WG837094
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/22/2015 06:20	WG837094
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/22/2015 06:20	WG837094
Tetrachloroethene	U		0.372	1.00	1	12/22/2015 06:20	WG837094
Toluene	U		0.780	5.00	1	12/22/2015 06:20	WG837094
1,1,1-Trichloroethane	U		0.319	1.00	1	12/22/2015 06:20	WG837094
1,1,2-Trichloroethane	U		0.383	1.00	1	12/22/2015 06:20	WG837094
Trichloroethene	U		0.398	1.00	1	12/22/2015 06:20	WG837094
Trichlorofluoromethane	U		1.20	5.00	1	12/22/2015 06:20	WG837094
1,2,3-Trichloropropane	U		0.807	2.50	1	12/22/2015 06:20	WG837094
Vinyl acetate	U		1.63	10.0	1	12/22/2015 06:20	WG837094
Vinyl chloride	U		0.259	1.00	1	12/22/2015 06:20	WG837094
Xylenes, Total	U		1.06	3.00	1	12/22/2015 06:20	WG837094
(S) Toluene-d8	*106*			*90.0-115*		*12/22/2015 06:20*	WG837094
(S) Dibromofluoromethane	*106*			*79.0-121*		*12/22/2015 06:20*	WG837094
(S) 4-Bromofluorobenzene	*81.5*			*80.1-120*		*12/22/2015 06:20*	WG837094

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J3	10.0	50.0	1	12/22/2015 06:39	WG837094
Acrylonitrile	U		1.87	10.0	1	12/22/2015 06:39	WG837094
Benzene	U		0.331	1.00	1	12/22/2015 06:39	WG837094
Bromochloromethane	U		0.520	1.00	1	12/22/2015 06:39	WG837094
Bromodichloromethane	U		0.380	1.00	1	12/22/2015 06:39	WG837094
Bromoform	U		0.469	1.00	1	12/22/2015 06:39	WG837094
Bromomethane	U		0.866	5.00	1	12/22/2015 06:39	WG837094
Carbon disulfide	U		0.275	1.00	1	12/22/2015 06:39	WG837094
Carbon tetrachloride	U		0.379	1.00	1	12/22/2015 06:39	WG837094
Chlorobenzene	U		0.348	1.00	1	12/22/2015 06:39	WG837094
Chlorodibromomethane	U		0.327	1.00	1	12/22/2015 06:39	WG837094
Chloroethane	U		0.453	5.00	1	12/22/2015 06:39	WG837094
Chloroform	U		0.324	5.00	1	12/22/2015 06:39	WG837094
Chloromethane	U		0.276	2.50	1	12/22/2015 06:39	WG837094
Dibromomethane	U		0.346	1.00	1	12/22/2015 06:39	WG837094
1,2-Dibromoethane	U		0.381	1.00	1	12/22/2015 06:39	WG837094
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/22/2015 06:39	WG837094
1,2-Dichlorobenzene	U		0.349	1.00	1	12/22/2015 06:39	WG837094
1,4-Dichlorobenzene	U		0.274	1.00	1	12/22/2015 06:39	WG837094
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/22/2015 06:39	WG837094
1,1-Dichloroethane	U		0.259	1.00	1	12/22/2015 06:39	WG837094
1,2-Dichloroethane	U		0.361	1.00	1	12/22/2015 06:39	WG837094
1,1-Dichloroethene	U		0.398	1.00	1	12/22/2015 06:39	WG837094
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/22/2015 06:39	WG837094
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/22/2015 06:39	WG837094
1,2-Dichloropropane	U		0.306	1.00	1	12/22/2015 06:39	WG837094
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/22/2015 06:39	WG837094
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/22/2015 06:39	WG837094
Ethylbenzene	U		0.384	1.00	1	12/22/2015 06:39	WG837094
2-Hexanone	U		3.82	10.0	1	12/22/2015 06:39	WG837094
Iodomethane	U		1.71	10.0	1	12/22/2015 06:39	WG837094
2-Butanone (MEK)	U	J3	3.93	15.0	1	12/22/2015 06:39	WG837094
Methylene Chloride	U		1.00	5.00	1	12/22/2015 06:39	WG837094
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/22/2015 06:39	WG837094
Styrene	U		0.307	1.00	1	12/22/2015 06:39	WG837094
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/22/2015 06:39	WG837094
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/22/2015 06:39	WG837094
Tetrachloroethene	U		0.372	1.00	1	12/22/2015 06:39	WG837094
Toluene	U		0.780	5.00	1	12/22/2015 06:39	WG837094
1,1,1-Trichloroethane	U		0.319	1.00	1	12/22/2015 06:39	WG837094
1,1,2-Trichloroethane	U		0.383	1.00	1	12/22/2015 06:39	WG837094
Trichloroethene	U		0.398	1.00	1	12/22/2015 06:39	WG837094
Trichlorofluoromethane	U		1.20	5.00	1	12/22/2015 06:39	WG837094
1,2,3-Trichloropropane	U		0.807	2.50	1	12/22/2015 06:39	WG837094
Vinyl acetate	U		1.63	10.0	1	12/22/2015 06:39	WG837094
Vinyl chloride	U		0.259	1.00	1	12/22/2015 06:39	WG837094
Xylenes, Total	U		1.06	3.00	1	12/22/2015 06:39	WG837094
(S) Toluene-d8	*106*			*90.0-115*		*12/22/2015 06:39*	WG837094
(S) Dibromofluoromethane	*112*			*79.0-121*		*12/22/2015 06:39*	WG837094
(S) 4-Bromofluorobenzene	*82.0*			*80.1-120*		*12/22/2015 06:39*	WG837094

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U	J3	10.0	50.0	1	12/22/2015 06:57	WG837094
Acrylonitrile	U		1.87	10.0	1	12/22/2015 06:57	WG837094
Benzene	U		0.331	1.00	1	12/22/2015 06:57	WG837094
Bromochloromethane	U		0.520	1.00	1	12/22/2015 06:57	WG837094
Bromodichloromethane	U		0.380	1.00	1	12/22/2015 06:57	WG837094
Bromoform	U		0.469	1.00	1	12/22/2015 06:57	WG837094
Bromomethane	U		0.866	5.00	1	12/22/2015 06:57	WG837094
Carbon disulfide	U		0.275	1.00	1	12/22/2015 06:57	WG837094
Carbon tetrachloride	U		0.379	1.00	1	12/22/2015 06:57	WG837094
Chlorobenzene	U		0.348	1.00	1	12/22/2015 06:57	WG837094
Chlorodibromomethane	U		0.327	1.00	1	12/22/2015 06:57	WG837094
Chloroethane	U		0.453	5.00	1	12/22/2015 06:57	WG837094
Chloroform	U		0.324	5.00	1	12/22/2015 06:57	WG837094
Chloromethane	U		0.276	2.50	1	12/22/2015 06:57	WG837094
Dibromomethane	U		0.346	1.00	1	12/22/2015 06:57	WG837094
1,2-Dibromoethane	U		0.381	1.00	1	12/22/2015 06:57	WG837094
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	12/22/2015 06:57	WG837094
1,2-Dichlorobenzene	U		0.349	1.00	1	12/22/2015 06:57	WG837094
1,4-Dichlorobenzene	U		0.274	1.00	1	12/22/2015 06:57	WG837094
trans-1,4-Dichloro-2-butene	U		0.866	2.50	1	12/22/2015 06:57	WG837094
1,1-Dichloroethane	U		0.259	1.00	1	12/22/2015 06:57	WG837094
1,2-Dichloroethane	U		0.361	1.00	1	12/22/2015 06:57	WG837094
1,1-Dichloroethene	U		0.398	1.00	1	12/22/2015 06:57	WG837094
cis-1,2-Dichloroethene	U		0.260	1.00	1	12/22/2015 06:57	WG837094
trans-1,2-Dichloroethene	U		0.396	1.00	1	12/22/2015 06:57	WG837094
1,2-Dichloropropane	U		0.306	1.00	1	12/22/2015 06:57	WG837094
cis-1,3-Dichloropropene	U		0.418	1.00	1	12/22/2015 06:57	WG837094
trans-1,3-Dichloropropene	U		0.419	1.00	1	12/22/2015 06:57	WG837094
Ethylbenzene	U		0.384	1.00	1	12/22/2015 06:57	WG837094
2-Hexanone	U		3.82	10.0	1	12/22/2015 06:57	WG837094
Iodomethane	U		1.71	10.0	1	12/22/2015 06:57	WG837094
2-Butanone (MEK)	U	J3	3.93	15.0	1	12/22/2015 06:57	WG837094
Methylene Chloride	U		1.00	5.00	1	12/22/2015 06:57	WG837094
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	12/22/2015 06:57	WG837094
Styrene	U		0.307	1.00	1	12/22/2015 06:57	WG837094
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	12/22/2015 06:57	WG837094
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	12/22/2015 06:57	WG837094
Tetrachloroethene	U		0.372	1.00	1	12/22/2015 06:57	WG837094
Toluene	U		0.780	5.00	1	12/22/2015 06:57	WG837094
1,1,1-Trichloroethane	U		0.319	1.00	1	12/22/2015 06:57	WG837094
1,1,2-Trichloroethane	U		0.383	1.00	1	12/22/2015 06:57	WG837094
Trichloroethene	U		0.398	1.00	1	12/22/2015 06:57	WG837094
Trichlorofluoromethane	U		1.20	5.00	1	12/22/2015 06:57	WG837094
1,2,3-Trichloropropane	U		0.807	2.50	1	12/22/2015 06:57	WG837094
Vinyl acetate	U		1.63	10.0	1	12/22/2015 06:57	WG837094
Vinyl chloride	U		0.259	1.00	1	12/22/2015 06:57	WG837094
Xylenes, Total	U		1.06	3.00	1	12/22/2015 06:57	WG837094
(S) Toluene-d8	*107*			*90.0-115*		*12/22/2015 06:57*	WG837094
(S) Dibromofluoromethane	*111*			*79.0-121*		*12/22/2015 06:57*	WG837094
(S) 4-Bromofluorobenzene	*84.3*			*80.1-120*		*12/22/2015 06:57*	WG837094

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND,U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**
***** Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660
Alaska	UST-080
Arizona	AZ0612
Arkansas	88-0469
California	01157CA
Colorado	TN00003
Conneticut	PH-0197
Florida	E87487
Georgia	NELAP
Georgia [1]	923
Idaho	TN00003
Illinois	200008
Indiana	C-TN-01
Iowa	364
Kansas	E-10277
Kentucky [1]	90010
Kentucky [2]	16
Louisiana	AI30792
Maine	TN0002
Maryland	324
Massachusetts	M-TN003
Michigan	9958
Minnesota	047-999-395
Mississippi	TN00003
Missouri	340
Montana	CERT0086
Nebraska	NE-OS-15-05
Nevada	TN-03-2002-34
New Hampshire	2975
New Jersey–NELAP	TN002
New Mexico	TN00003
New York	11742
North Carolina	Env375
North Carolina [1]	DW21704
North Carolina [2]	41
North Dakota	R-140
Ohio–VAP	CL0069
Oklahoma	9915
Oregon	TN200002
Pennsylvania	68-02979
Rhode Island	221
South Carolina	84004
South Dakota	n/a
Tennessee [1 4]	2006
Texas	T 104704245-07-TX
Texas [5]	LAB0152
Utah	6157585858
Vermont	VT2006
Virginia	109
Washington	C1915
West Virginia	233
Wisconsin	9980939910
Wyoming	A2LA

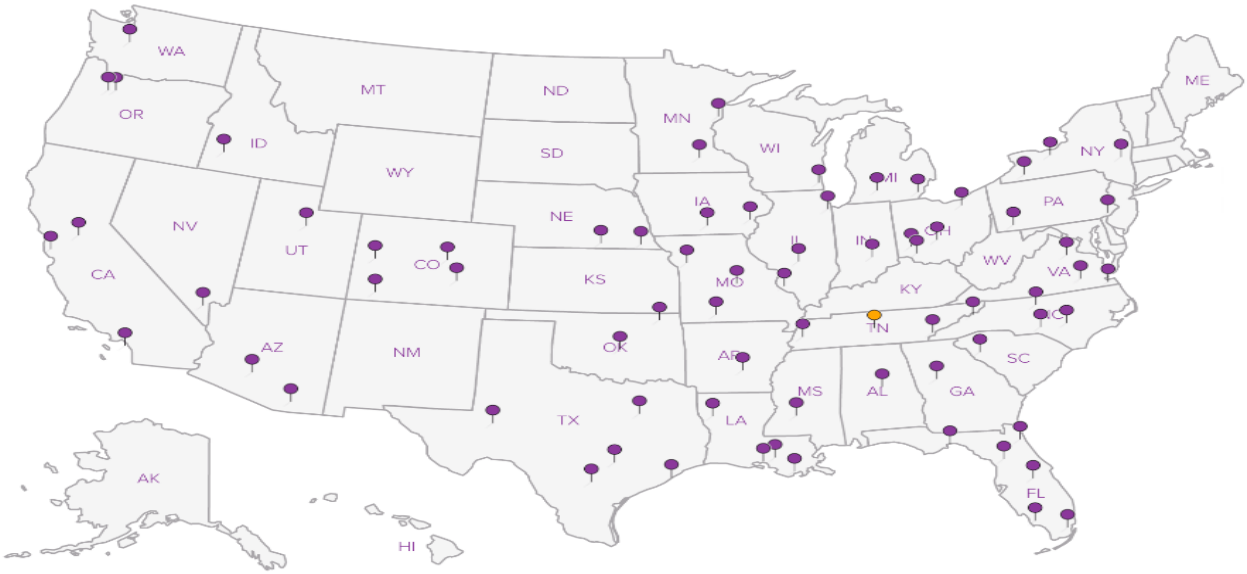
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01
A2LA – ISO 17025 [5]	1461.02
Canada	1461.01
EPA–Crypto	TN00003
AIHA	100789
DOD	1461.01
USDA	S-67674

[1.] Drinking Water [2.] Underground Storage Tanks [3.] Aquatic Toxicity [4.] Chemical/Microbiological [5.] Mold [n/a] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



Chimney Rock Consulting

7529 Counts Massie Road
North Little Rock, AR 72113

Billing Information:
Accounts Payable
7529 Counts Massie Road
N. Little Rock, AR 72113

Report to: **Stacie Whitmer**

Email To: **stacie@chimrockconsulting.com**

Project Description: **Nabors Landfill**

City/State Collected: Mt. Home, AR

Phone: **501-812-4551**
Fax:

Client Project #

Lab Project # **CHIROCKAR-NABORS**

Collected by (print): Darren Mathay

Site/Facility ID #

P.O. #

Collected by (signature): Darren Mathay

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CN 250mlHDPEAmb-NaOH >12	Cl, SO4, TDS 250mlHDPE-NoPres	M6010AP1 + Fe,Mn,Sn 500mlHDPE-HNO3 <2	SULFIDE 125mlAmb-S-NaOH+ZnAc	TOC 250mlAmb-Septa-HCl <2	V8260AP1 40mlAmb-HCl	V8260AP1- Trip Blk 40mlAmb-HCl	Rem./Contaminant	Sample # (lab only)
MW-1	G	GW		12-15-15	1345	7	X	X	X	X	X	X			~~17~~ 01
MW-2	G	GW		12-15-15	1457	7	X	X	X	X	X	X			~~18~~ 02
MW-3	G	GW		12-15-15	1537	7	X	X	X	X	X	X			~~19~~ 03
MW-4	G	GW		12-15-15	1669	7	X	X	X	X	X	X			~~20~~ 04
MW-5	G	GW		12-16-15	713	7	X	X	X	X	X	X			~~21~~ 05
MW-6	G	GW		12-16-15	746	7	X	X	X	X	X	X			~~22~~ 06
MW-7	G	GW		12-15-15	1257	7	X	X	X	X	X	X			~~23~~ 07
CAO-1	G	GW		12-16-15	815	7	X	X	X	X	X	X			~~24~~ 08
CAO-2	G	GW		12-15-15	1523	7	X	X	X	X	X	X			~~25~~ 09
CAO-3	G	GW		12-15-15	1426	7	X	X	X	X	X	X			~~26~~ 10

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other GW

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Chain of Custody Page ___ of ___

ESC LAB SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # L807487

Table #

Acctnum: **CHIROCKAR**
Template: **T98870**
Prelogin: **P531249**
TSR: **134 - Mark W. Beasley**
PB: 11-18-15 KH

Shipped Via: **FedEx Ground**

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Darren Mathay	12-16-15	14:05	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____

Temp: 3.7 °C Bottles Received: 256

Date: 12/17/15 Time: 900

Hold #

Condition: (lab use only) NVI

COC Seal Intact: ___Y ___N ✓NA

pH Checked: <2, >12 NCF:

Chimney Rock Consulting

7529 Counts Massie Road
North Little Rock, AR 72113

Billing Information:
Accounts Payable
7529 Counts Massie Road
N. Little Rock, AR 72113

Report to: Stacie Whitmer

Email To: stacie@chimrockconsulting.com

Project Description: Nabors Landfill

City/State Collected: Mt. Home, AR

Phone: 501-812-4551
Fax:

Client Project #

Lab Project # CHIROCKAR-NABORS

Collected by (print): Darren Motley

Site/Facility ID #

P.O. #

Collected by (signature): Darren Motley

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X Yes
FAX? ___No ___Yes

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CN 250mlHDPEAmb-NaOH	Cl, SO4, TDS 250mlHDPE-NoPres	M6010AP1 + Fe,Mn,Sn 500mlHDPE-HNO3	SULFIDE 125mlAmb-S-NaOH+ZnAc	TOC 250mlAmb-Septa-HCl	V8260AP1 40mlAmb-HCl	V8260AP1- Trip Blk 40mlAmb-HCl	Rem./Contaminant	Sample # (lab only)
NAB-1		GW				7	X	X	X	X	X	X			~~17~~ N
NAB-2	G	GW		12-15-15	1114	7	X	X	X	X	X	X			~~17~~ 11
NAB-3	G	GW		12-15-15	824	7	X	X	X	X	X	X			~~18~~ 12
NAB-4	G	GW		12-15-15	1235	7	X	X	X	X	X	X			~~24~~ 13
NAB-7	G	GW		12-15-15	1322	7	X	X	X	X	X	X			~~34~~ 14
NAB-8	G	GW		12-15-15	645	7	X	X	X	X	X	X			~~31~~ 15
MW-509D	G	GW		12-15-15	1214	7	X	X	X	X	X	X			~~32~~ 16
MW-577	G	GW		12-15-15	1012	7	X	X	X	X	X	X			~~33~~ 17
MW-689D	G	GW		12-15-15	1035	7	X	X	X	X	X	X			~~34~~ 18
MW-633D	G	GW		12-14-15	1035	7	X	X	X	X	X	X			~~35~~ 19

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other GW

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

ESC LAB SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # L807487
Table #
Acctnum: CHIROCKAR
Template: T98870
Prelogin: P531249
TSR: 134 - Mark W. Beasley
PB: 11-18-15 KM
Shipped Via: FedEX Ground

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Darren Motley	12-16-15	1405	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____
Temp: 3.7 °C Bottles Received: 256
Date: 12/17/15 Time: 900

Hold #
Condition: (lab use only) NVH
COC Seal Intact: ___Y ___N ___NA
pH Checked: <2, 7+2 NCF:

Chimney Rock Consulting

7529 Counts Massie Road
North Little Rock, AR 72113

Billing Information:

Accounts Payable
7529 Counts Massie Road
N. Little Rock, AR 72113

Report to: Stacie Whitmer

Email To: stacie@chimrockconsulting.com

Project Description: Nabors Landfill

City/State Collected: Mt. Home, AR

Phone: 501-812-4551
Fax:

Client Project #

Lab Project # CHIROCKAR-NABORS

Collected by (print): Darren Motley

Collected by (signature): Darren Motley

Immediately Packed on Ice N ___ Y X

Site/Facility ID #

P.O. #

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CN 250mlHDPEAmb-NaOH	Cl, SO4, TDS 250mlHDPE-NoPres	M6010AP1 + Fe,Mn,Sn 500mlHDPE-HNO3	SULFIDE 125mlAmb-S-NaOH+ZnAc	TOC 250mlAmb-Septa-HCl	V8260AP1 40mlAmb-HCl	V8260AP1- Trip Blk 40mlAmb-HCl	Rem./Contaminant	Sample # (lab only)
NE-2	G	GW		12-14-15	1330	7	X	X	X	X	X	X			# 20
NE-3	G	GW		12-15-15	726	7	X	X	X	X	X	X			# 21
NE-6	G	GW		12-14-15	1554	7	X	X	X	X	X	X			# 22
MW-1R	G	GW		12-15-15	705	7	X	X	X	X	X	X			# 23
TSP-1		GW				7	X	X	X	X	X	X			
TSP-2		GW				7	X	X	X	X	X	X			
TSP-3	G	GW		12-16-15	755	7	X	X	X	X	X	X			# 24
TSP-4	G	GW		12-16-15	1000	7	X	X	X	X	X	X			# 25
SP-4		GW				7	X	X	X	X	X	X			
SP-5		GW				7	X	X	X	X	X	X			

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other GW

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Chain of Custody Page ___ of ___

ESC LAB SCIENCES
YOUR LAB OF CHOICE

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
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Fax: 615-758-5859

L# L807487

Table #

Acctnum: CHIROCKAR
Template: T98870
Prelogin: P531249
TSR: 134 - Mark W. Beasley
PB: 11-18-15 KM
Shipped Via: FedEx Ground

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Darren Motley	12-16-15	14:05	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ ____

Temp: 3.7 °C Bottles Received: 256

Date: 12/17/15 Time: 900

Hold #

Condition: (lab use only) NCF

COC Seal Intact: ___Y ___N ___NA

pH Checked: <2, >12 NCF:

Chimney Rock Consulting

7529 Counts Massie Road
North Little Rock, AR 72113

Billing Information:
Accounts Payable
7529 Counts Massie Road
N. Little Rock, AR 72113

Report to: **Stacie Whitmer**

Email To: **stacie@chimrockconsulting.com**

Project Description: **Nabors Landfill**

City/State Collected: MT. Home, AR

Phone: **501-812-4551**
Fax:

Client Project #

Lab Project #
CHIROCKAR-NABORS

Collected by (print): Darren Mottley

Site/Facility ID #

P.O. #

Collected by (signature): Darren Mottley

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CN 250mlHDPEAmb-NaOH +12	Cl, SO4, TDS 250mlHDPE-NoPres	M6010AP1 + Fe,Mn,Sn 500mlHDPE-HNO3 +2	SULFIDE 125mlAmb-S-NaOH+ZnAc	TOC 250mlAmb-Septa-HCl +2	V8260AP1 40mlAmb-HCl	V8260AP1- Trip Blk 40mlAmb-HCl	Rem./Contaminant	Sample # (lab only)
SP-7	G	GW		12-16-15	900	7	X	X	X	X	X	X			~~26~~ 26
SPRING-A	G	GW		12-16-15	915	7	X	X	X	X	X	X			~~27~~ 27
SPRING-B	G	GW		12-16-15	910	7	X	X	X	X	X	X			~~28~~ 28
SP-NE-3	G	GW		12-15-15	736	7	X	X	X	X	X	X			~~29~~ 29
LANDFILL ENTRANCE SEEP	G	GW		12-16-15	848	7	X	X	X	X	X	X			~~30~~ 30
CLASS IV DRAW	G	GW		12-16-15	930	7	X	X	X	X	X	X			~~31~~ 31
CLASS I DRAW	G	GW		12-16-15	920	7	X	X	X	X	X	X			~~32~~ 32
LEACHATE	G	GW		12-16-15	820	7	X	X	X	X	X	X			~~33~~ 33
DUPLICATE	G	GW		12-16-15	750	7	X	X	X	X	X	X			~~34~~ 34
FIELD BLANK	G	GW		12-16-15	755	7	X	X	X	X	X	X			~~35~~ 35

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other GW

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Darren Mottley	12-16-15	14:05	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ _____

Temp: 3.7 °C Bottles Received: 256

Date: 12/17/15 Time: 900

Hold #

Condition: (lab use only) NVII

COC Seal Intact: ___Y ___N ___NA

pH Checked: 2, >12 NCF:

652919116502

Chain of Custody Page ___ of ___

ESC LABORATORY SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L807487

C231

Acctnum: **CHIROCKAR**
Template: **T98870**
Prelogin: **P531249**
TSR: **134 - Mark W. Beasley**
PB: 11-18-15 KM
Shipped Via: **FedEX Ground**

Chimney Rock Consulting

7529 Counts Massie Road
North Little Rock, AR 72113

Billing Information:
Accounts Payable
7529 Counts Massie Road
N. Little Rock, AR 72113

Report to: **Stacie Whitmer**

Email To: **stacie@chimrockconsulting.com**

Project Description: **Nabors Landfill**

City/State Collected: Mt. Home AR

Phone: **501-812-4551**
Fax:

Client Project #

Lab Project # **CHIROCKAR-NABORS**

Collected by (print): Darren Mobley

Site/Facility ID #

P.O. #

Collected by (signature): Darren Mobley

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CN 250mlHDPEAmb-NaOH ≥12	Cl, SO4, TDS 250mlHDPE-NoPres	M6010AP1 + Fe,Mn,Sn 500mlHDPE-HNO3 ≤2	SULFIDE 125mlAmb-S-NaOH+ZnAc	TOC 250mlAmb-Septa-HCl ≤2	V8260AP1 40mlAmb-HCl	V8260AP1- Trip Blk 40mlAmb-HCl				Rem./Contaminant	Sample # (lab only)
		GW				7	X	X	X	X	X	X						
		GW				7	X	X	X	X	X	X						
		GW				7	X	X	X	X	X	X						
EQUIPMENT BLANK	G	GW		12-16-15	800	2						X						36
TRIP BLANK		GW		12-16-15	805	~~1~~							X					37

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other GW

Remarks:

pH ___ Temp ___
Flow ___ Other ___

Chain of Custody Page ___ of ___

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12065 Lebanon Rd
Mount Juliet, TN 37122
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Phone: 800-767-5859
Fax: 615-758-5859

L # L807487

Table #

Acctnum: **CHIROCKAR**
Template: **T98870**
Prelogin: **P531249**
TSR: **134 - Mark W. Beasley**
PD: 11-18-15 KM
Shipped Via: **FedEX Ground**

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Darren Mobley	12-16-15	14:05	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ ___

Temp: 3.7 °C Bottles Received: 256

Date: 12/17/15 Time: 900

Condition: (lab use only) NII

COC Seal Intact: ___Y ___N ___NA

pH Checked: ≤2, ≥12 NCF:

APPENDIX D

STATISTICAL DATABASE

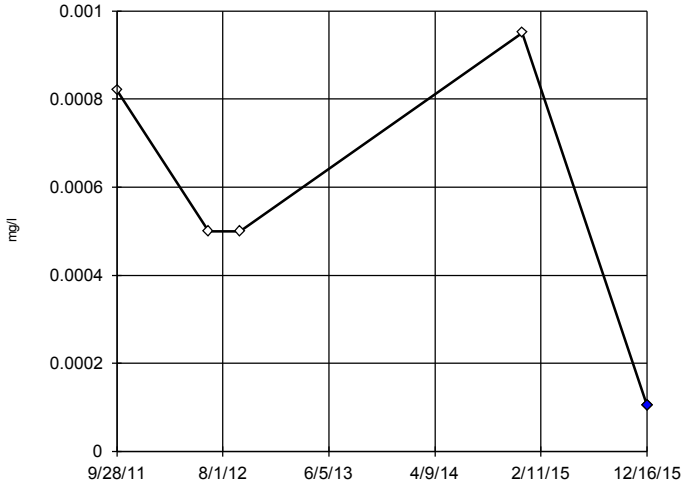
AN ELECTRONIC DATABASE FILE IS INCLUDED WITH THIS REPORT SUBMITTAL

APPENDIX E

STATISTICAL EVALUATION

EPA 1989 Outlier Screening

LEACHATE



n = 5

Statistical outlier is drawn as solid.
Mean = 0.000575
Std. dev. = 0.0003289
Critical Tn = 1.672.
After outlier removal: mean = 0.0006925, std. dev. = 0.0002285, critical = 1.463.

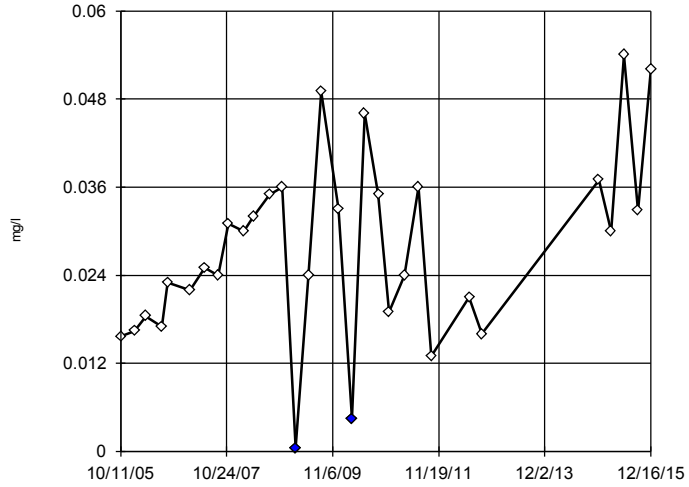
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8406
Critical = 0.792
The distribution, after removal of outlier, was found to be normally distributed.

Constituent: Antimony Analysis Run 2/2/2016 11:02 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

EPA 1989 Outlier Screening

CAO-1



n = 31

Statistical outliers are drawn as solid.
Mean = 0.02749
Std. dev. = 0.01268
Critical Tn = 2.759.
After outlier removal: mean = 0.02839, std. dev. = 0.01184, critical = 2.745; mean = 0.02922, std. dev. = 0.01115, critical = 2.73.

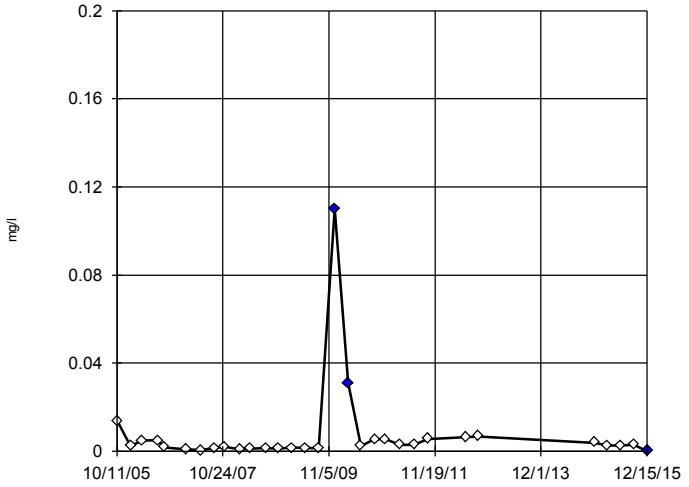
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9668
Critical = 0.937 (after natural log transformation)
The distribution, after removal of outliers, was found to be log-normal.

Constituent: Arsenic Analysis Run 2/2/2016 11:03 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

CAO-2



n = 31

Statistical outliers are drawn as solid.
Mean = 0.007501
Std. dev. = 0.01985
Critical Tn = 2.759.
After outlier removal: mean = 0.004084, std. dev. = 0.005759, critical = 2.745; mean = 0.004221, std. dev. = 0.005812, critical = 2.73; mean = 0.003264, std. dev. = 0.002742, critical = 2.714.

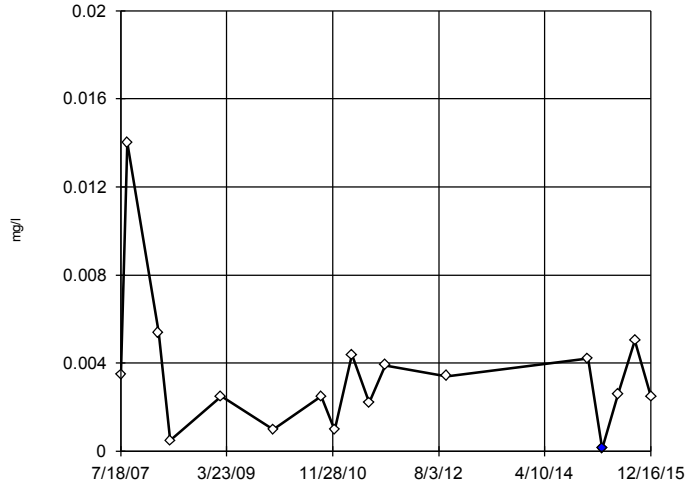
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.977
Critical = 0.936 (after natural log transformation)
The distribution, after removal of outliers, was found to be log-normal.

Constituent: Arsenic Analysis Run 2/2/2016 11:03 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

SP-7



n = 17

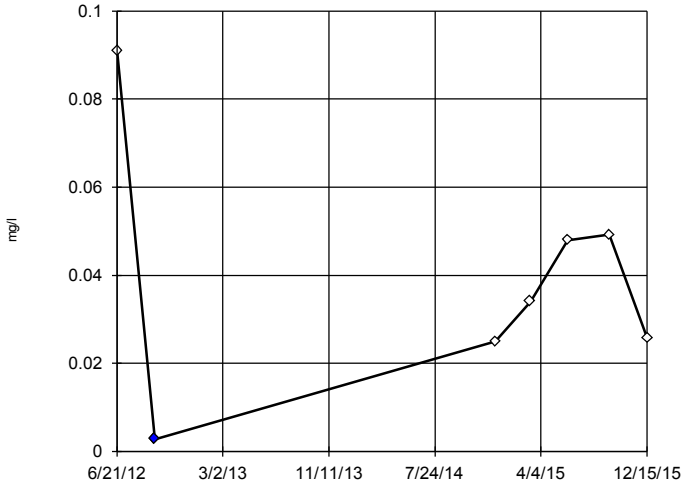
Statistical outlier is drawn as solid.
Mean = 0.003454
Std. dev. = 0.003124
Critical Tn = 2.475.
After outlier removal: mean = 0.003663, std. dev. = 0.003103, critical = 2.443.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9387
Critical = 0.906 (after natural log transformation)
The distribution, after removal of outlier, was found to be log-normal.

Constituent: Arsenic Analysis Run 2/2/2016 11:03 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

EPA 1989 Outlier Screening

MW-1R



n = 7

Statistical outlier is drawn as solid.
Mean = 0.0394
Std. dev. = 0.02767
Critical Tn = 1.938.
After outlier removal: mean = 0.0455, std. dev. = 0.02462, critical = 1.822.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8327
Critical = 0.826
The distribution, after removal of outlier, was found to be normally distributed.

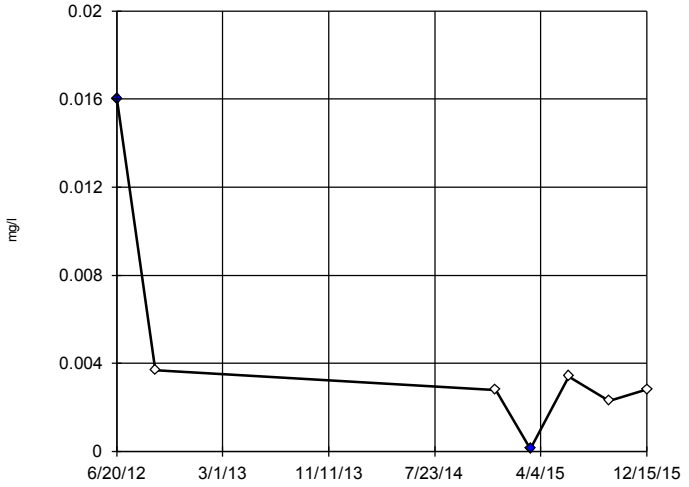
Constituent: Arsenic Analysis Run 2/2/2016 11:03 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

NE-3



n = 7

Statistical outliers are drawn as solid.
Mean = 0.004446
Std. dev. = 0.005226
Critical Tn = 1.938.
After outlier removal: mean = 0.005167, std. dev. = 0.00533, critical = 1.822; mean = 0.003, std. dev. = 0.0005546, critical = 1.672.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9514
Critical = 0.806
The distribution, after removal of outliers, was found to be normally distributed.

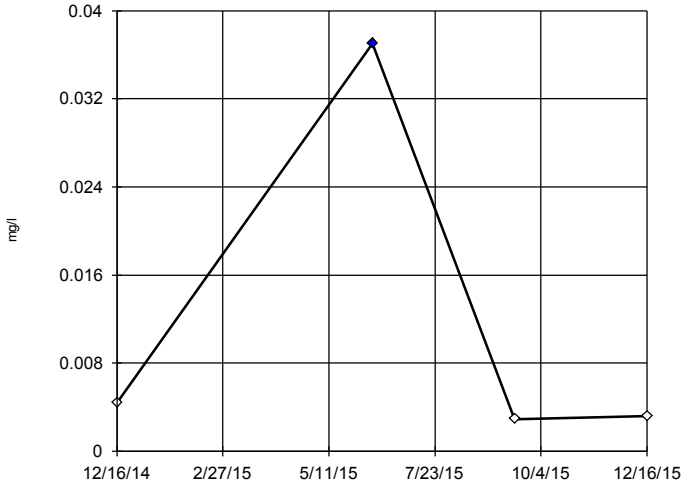
Constituent: Arsenic Analysis Run 2/2/2016 11:03 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

EPA 1989 Outlier Screening

CLASSIDRAW



n = 4

Statistical outlier is drawn as solid.
Mean = 0.01188
Std. dev. = 0.01676
Critical Tn = 1.463.
After outlier removal: mean = 0.003503, std. dev. = 0.0007919, critical = 1.153.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8971
Critical = 0.789
The distribution, after removal of outlier, was found to be normally distributed.

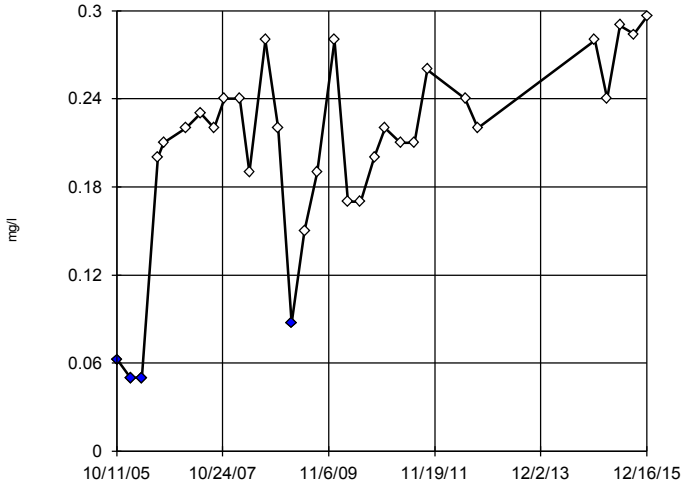
Constituent: Arsenic Analysis Run 2/2/2016 11:03 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

EPA 1989 Outlier Screening

CAO-1



n = 31

Statistical outliers are drawn as solid.
Mean = 0.2068
Std. dev. = 0.06745
Critical Tn = 2.759.
After outlier removal: mean = 0.2176, std. dev. = 0.05476, critical = 2.73; mean = 0.2231, std. dev. = 0.04678, critical = 2.714; mean = 0.2281, std. dev. = 0.03916, critical = 2.698.

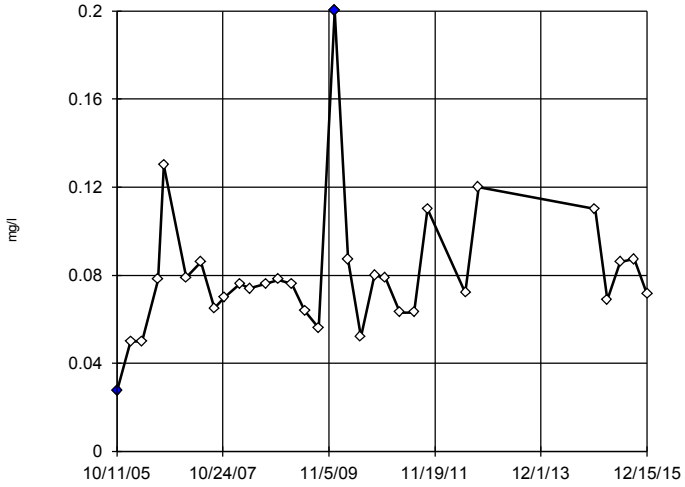
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9558
Critical = 0.935
The distribution, after removal of outliers, was found to be normally distributed.

Constituent: Barium Analysis Run 2/2/2016 11:03 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

EPA 1989 Outlier Screening

CAO-2



n = 31

Statistical outliers are drawn as solid.
Mean = 0.08018
Std. dev. = 0.0305
Critical Tn = 2.759.
After outlier removal: mean = 0.08193, std. dev. = 0.02938, critical = 2.745; mean = 0.07786, std. dev. = 0.01947, critical = 2.73.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.952
Critical = 0.937 (after natural log transformation)
The distribution, after removal of outliers, was found to be log-normal.

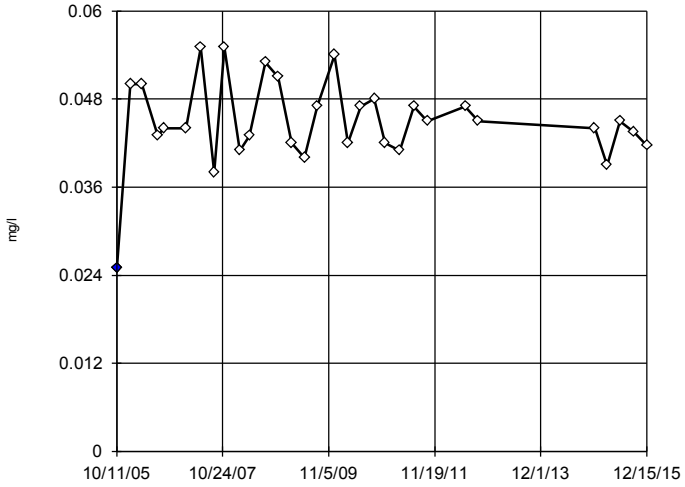
Constituent: Barium Analysis Run 2/2/2016 11:03 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

CAO-3



n = 31

Statistical outlier is drawn as solid.
Mean = 0.04491
Std. dev. = 0.005913
Critical Tn = 2.759.
After outlier removal: mean = 0.04557, std. dev. = 0.004695, critical = 2.745.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9535
Critical = 0.939 (after natural log transformation)
The distribution, after removal of outlier, was found to be log-normal.

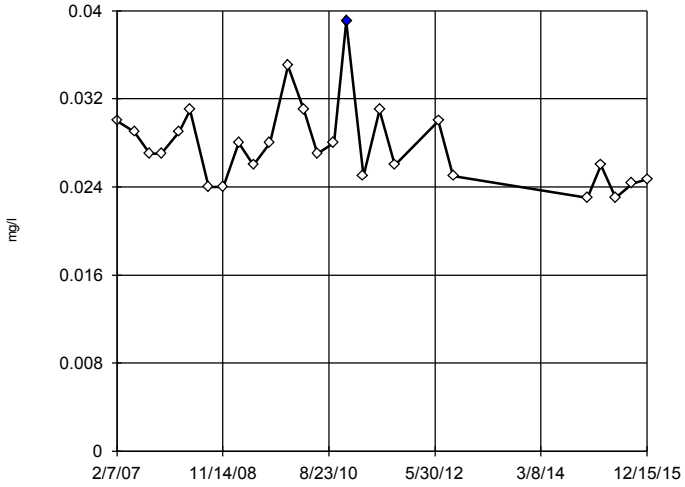
Constituent: Barium Analysis Run 2/2/2016 11:03 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

MW-577



n = 26

Statistical outlier is drawn as solid.
Mean = 0.02773
Std. dev. = 0.003713
Critical Tn = 2.681.
After outlier removal: mean = 0.02728, std. dev. = 0.002976, critical = 2.663.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9526
Critical = 0.931
The distribution, after removal of outlier, was found to be normally distributed.

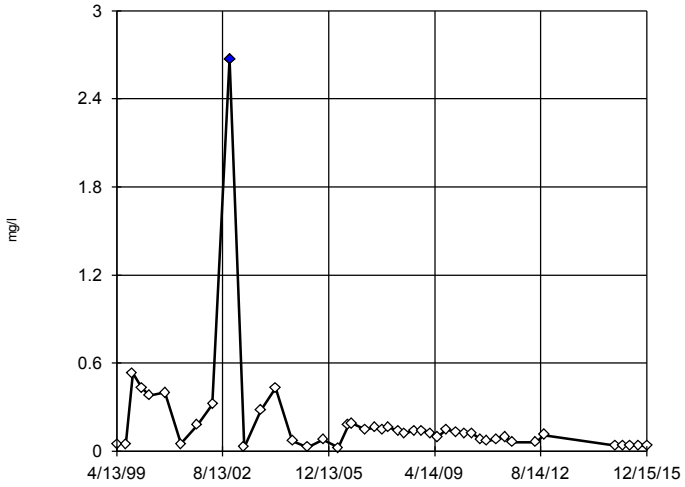
Constituent: Barium Analysis Run 2/2/2016 11:03 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

MW-7



n = 45

Statistical outlier is drawn as solid.
Mean = 0.2002
Std. dev. = 0.396
Critical Tn = 2.914.
After outlier removal: mean = 0.144, std. dev. = 0.1239, critical = 2.905.

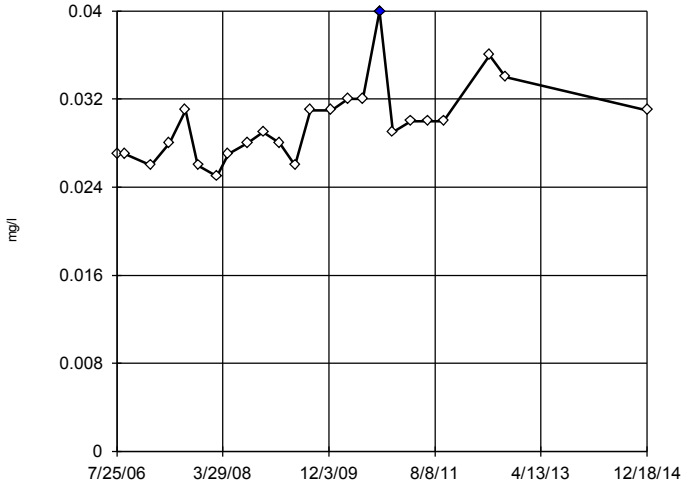
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9575
Critical = 0.952 (after natural log transformation)
The distribution, after removal of outlier, was found to be log-normal.

Constituent: Barium Analysis Run 2/2/2016 11:03 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

EPA 1989 Outlier Screening

NAB-1



n = 24

Statistical outlier is drawn as solid.
Mean = 0.02975
Std. dev. = 0.003467
Critical Tn = 2.644.
After outlier removal: mean = 0.0293, std. dev. = 0.002754, critical = 2.624.

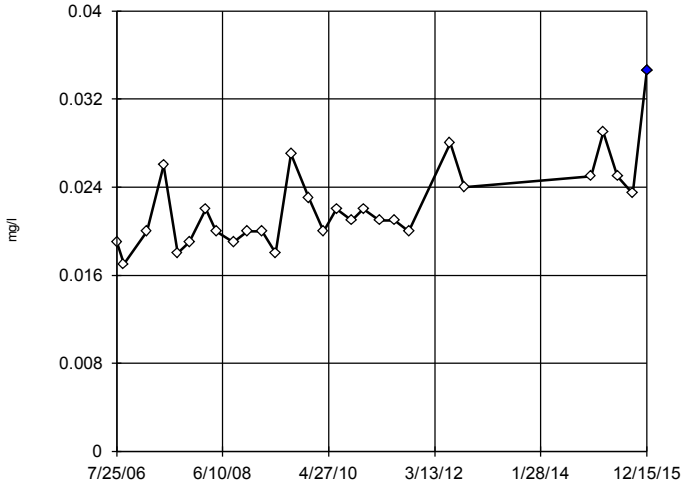
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9577
Critical = 0.928
The distribution, after removal of outlier, was found to be normally distributed.

Constituent: Barium Analysis Run 2/2/2016 11:03 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

NAB-7



n = 28

Statistical outlier is drawn as solid.
Mean = 0.02229
Std. dev. = 0.003937
Critical Tn = 2.714.
After outlier removal: mean = 0.02183, std. dev. = 0.003169, critical = 2.698.

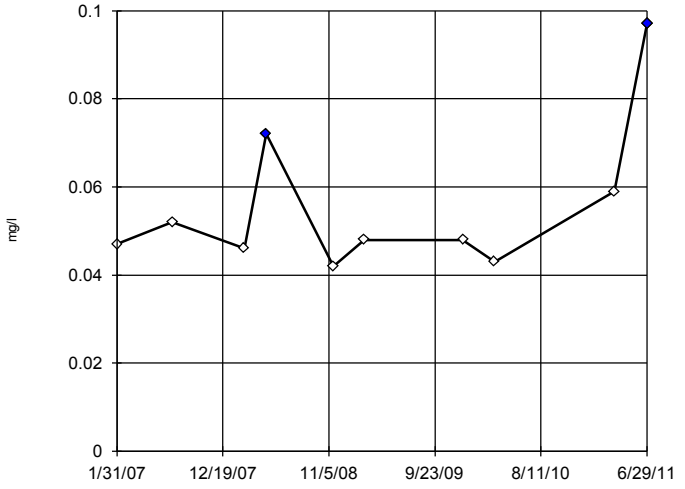
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9553
Critical = 0.935 (after natural log transformation)
The distribution, after removal of outlier, was found to be log-normal.

Constituent: Barium Analysis Run 2/2/2016 11:03 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

EPA 1989 Outlier Screening

TSP-1



n = 10

Statistical outliers are drawn as solid.
Mean = 0.0554
Std. dev. = 0.0171
Critical Tn = 2.176.
After outlier removal: mean = 0.05078, std. dev. = 0.009418, critical = 2.11; mean = 0.04813, std. dev. = 0.005384, critical = 2.032.

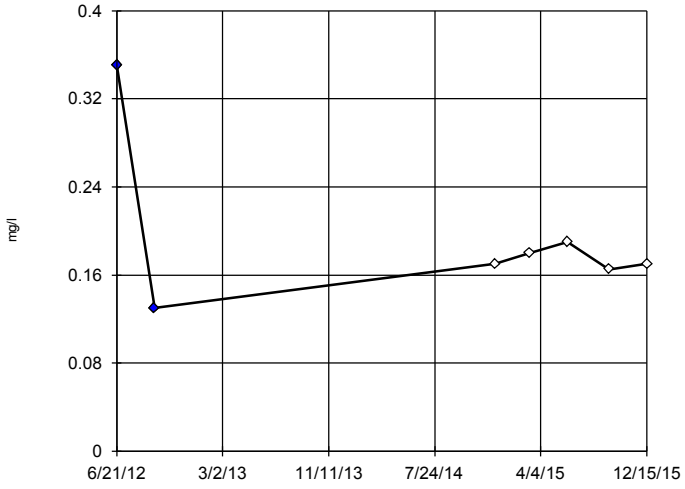
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9038
Critical = 0.851
The distribution, after removal of outliers, was found to be normally distributed.

Constituent: Barium Analysis Run 2/2/2016 11:03 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

EPA 1989 Outlier Screening

MW-1R



n = 7

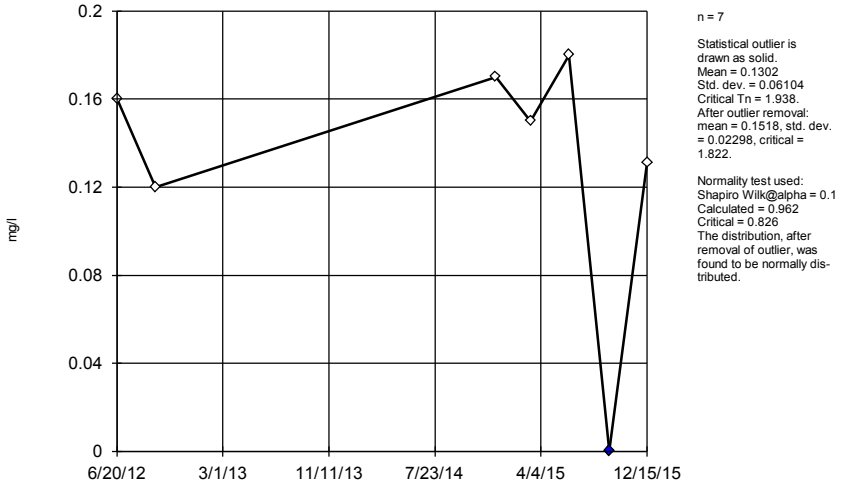
Statistical outliers are drawn as solid.
Mean = 0.1936
Std. dev. = 0.07146
Critical Tn = 1.938.
After outlier removal: mean = 0.1675, std. dev. = 0.02043, critical = 1.822; mean = 0.175, std. dev. = 0.01, critical = 1.672.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9052
Critical = 0.806
The distribution, after removal of outliers, was found to be normally distributed.

Constituent: Barium Analysis Run 2/2/2016 11:03 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

EPA 1989 Outlier Screening

NE-3



n = 7

Statistical outlier is drawn as solid.
Mean = 0.1302
Std. dev. = 0.06104
Critical Tn = 1.938.
After outlier removal: mean = 0.1518, std. dev. = 0.02298, critical = 1.822.

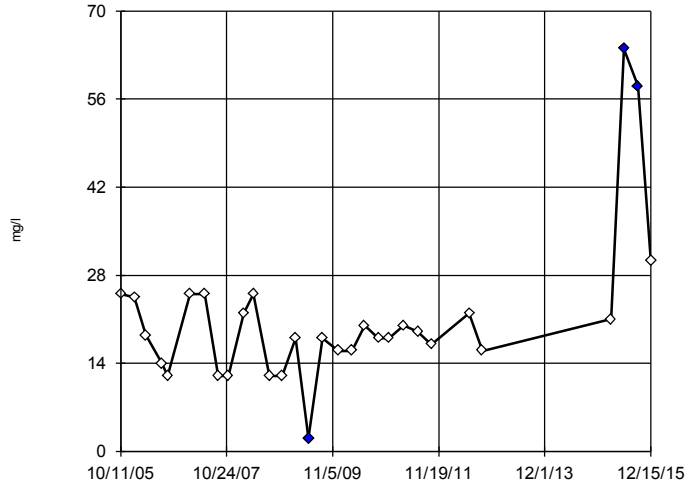
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.962
Critical = 0.826
The distribution, after removal of outlier, was found to be normally distributed.

Constituent: Barium Analysis Run 2/2/2016 11:03 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

EPA 1989 Outlier Screening

CAO-2



n = 30

Statistical outliers are drawn as solid.
Mean = 21.08
Std. dev. = 12.23
Critical Tn = 2.745.
After outlier removal: mean = 21.74, std. dev. = 11.9, critical = 2.73; mean = 20.23, std. dev. = 8.856, critical = 2.714; mean = 18.83, std. dev. = 4.924, critical = 2.698.

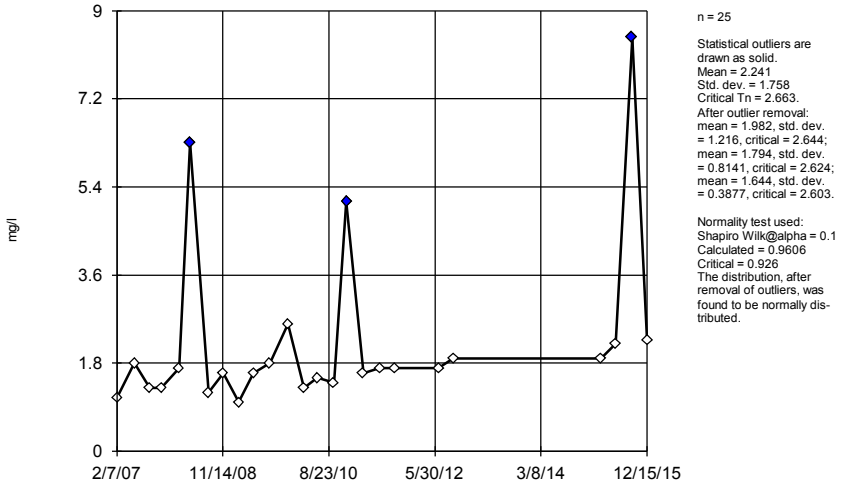
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9423
Critical = 0.935
The distribution, after removal of outliers, was found to be normally distributed.

Constituent: Chloride Analysis Run 2/2/2016 11:04 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

EPA 1989 Outlier Screening

MW-577



n = 25

Statistical outliers are drawn as solid.
Mean = 2.241
Std. dev. = 1.758
Critical Tn = 2.663.
After outlier removal: mean = 1.982, std. dev. = 1.216, critical = 2.644; mean = 1.794, std. dev. = 0.8141, critical = 2.624; mean = 1.644, std. dev. = 0.3877, critical = 2.603.

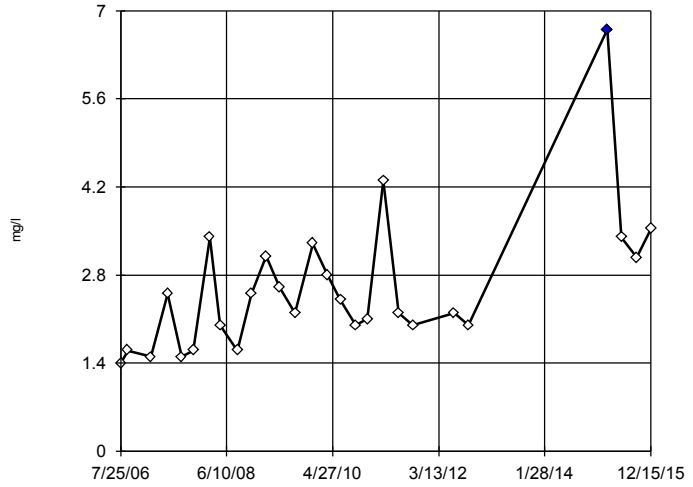
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9606
Critical = 0.926
The distribution, after removal of outliers, was found to be normally distributed.

Constituent: Chloride Analysis Run 2/2/2016 11:04 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

EPA 1989 Outlier Screening

NAB-7



n = 27

Statistical outlier is drawn as solid.
Mean = 2.574
Std. dev. = 1.108
Critical Tn = 2.698.
After outlier removal: mean = 2.416, std. dev. = 0.7551, critical = 2.681.

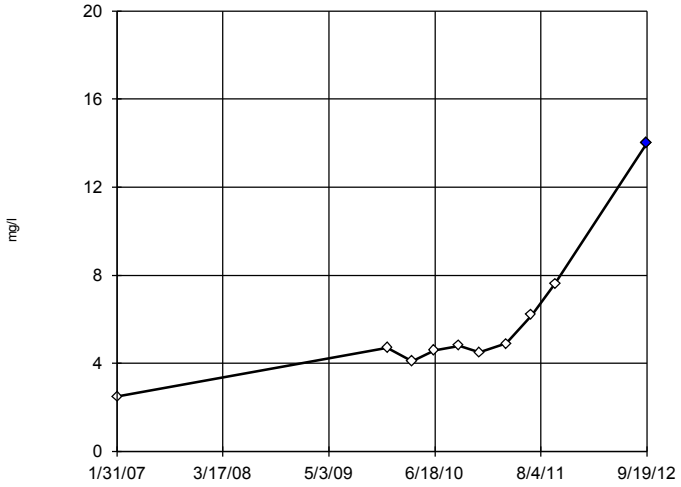
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9352
Critical = 0.933
The distribution, after removal of outlier, was found to be normally distributed.

Constituent: Chloride Analysis Run 2/2/2016 11:04 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

EPA 1989 Outlier Screening

TSP-2



n = 10

Statistical outlier is drawn as solid.
Mean = 5.79
Std. dev. = 3.172
Critical Tn = 2.176.
After outlier removal: mean = 4.878, std. dev. = 1.4, critical = 2.11.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9125
Critical = 0.859
The distribution, after removal of outlier, was found to be normally distributed.

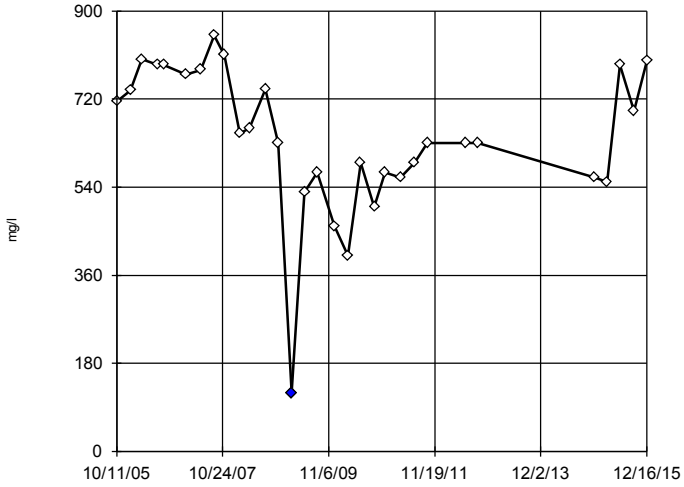
Constituent: Chloride Analysis Run 2/2/2016 11:04 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

CAO-1



n = 31

Statistical outlier is drawn as solid.
Mean = 641.9
Std. dev. = 151.1
Critical Tn = 2.759.
After outlier removal: mean = 659.3, std. dev. = 117.9, critical = 2.745.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9507
Critical = 0.939
The distribution, after removal of outlier, was found to be normally distributed.

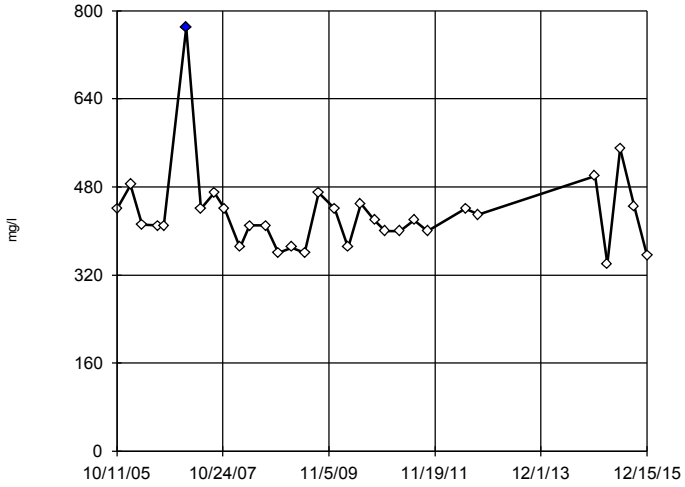
Constituent: Dissolved Solids Analysis Run 2/2/2016 11:05 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

CAO-2



n = 31

Statistical outlier is drawn as solid.
Mean = 431.8
Std. dev. = 77.68
Critical Tn = 2.759.
After outlier removal: mean = 420.6, std. dev. = 46.56, critical = 2.745.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9607
Critical = 0.939
The distribution, after removal of outlier, was found to be normally distributed.

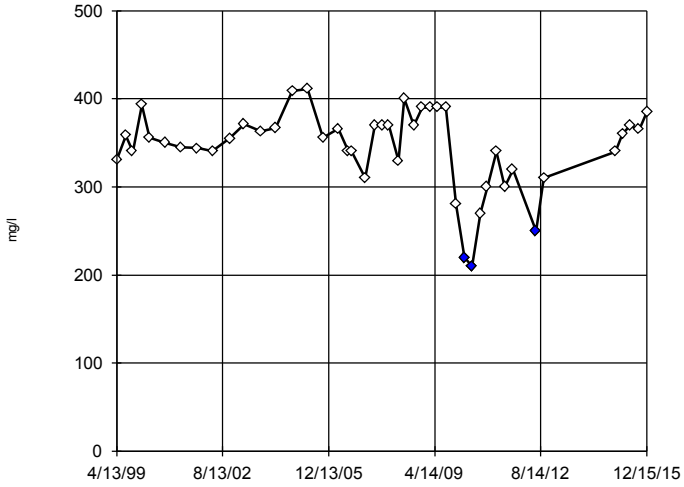
Constituent: Dissolved Solids Analysis Run 2/2/2016 11:05 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

MW-2



n = 45

Statistical outliers are drawn as solid.
Mean = 345.2
Std. dev. = 45.25
Critical Tn = 2.914.
After outlier removal: mean = 348.3, std. dev. = 40.75, critical = 2.905; mean = 351.3, std. dev. = 36.04, critical = 2.896; mean = 353.7, std. dev. = 32.77, critical = 2.887.

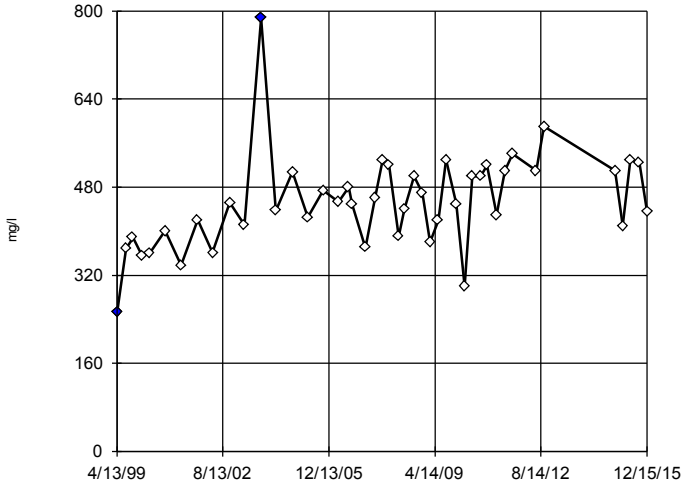
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9605
Critical = 0.951
The distribution, after removal of outliers, was found to be normally distributed.

Constituent: Dissolved Solids Analysis Run 2/2/2016 11:05 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

EPA 1989 Outlier Screening

MW-3



n = 45

Statistical outliers are drawn as solid.
Mean = 453.2
Std. dev. = 86.91
Critical Tn = 2.914.
After outlier removal:
mean = 445.6, std. dev. = 71.26, critical = 2.905;
mean = 450.1, std. dev. = 65.47, critical = 2.896.

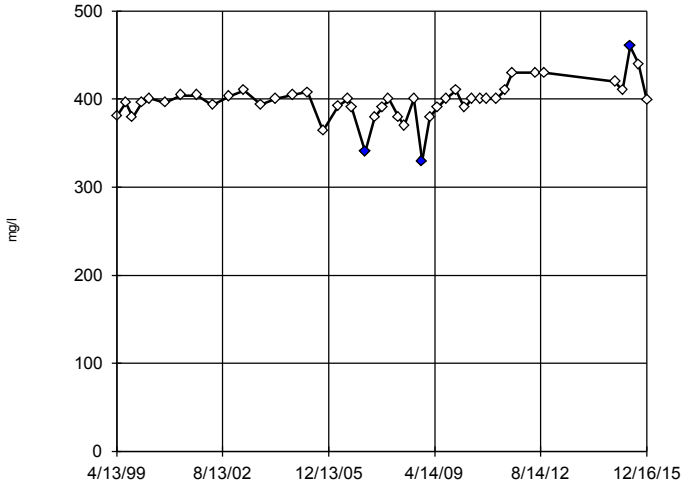
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9731
Critical = 0.951
The distribution, after removal of outliers, was found to be normally distributed.

Constituent: Dissolved Solids Analysis Run 2/2/2016 11:05 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

MW-6



n = 45

Statistical outliers are drawn as solid.
Mean = 397.9
Std. dev. = 22.32
Critical Tn = 2.914.
After outlier removal:
mean = 399.4, std. dev. = 20.01, critical = 2.905;
mean = 400.8, std. dev. = 17.99, critical = 2.896;
mean = 399.4, std. dev. = 15.63, critical = 2.887.

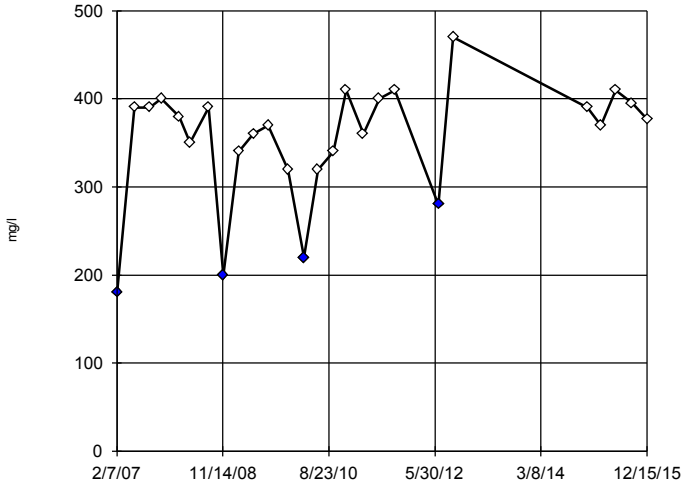
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9552
Critical = 0.951 (after natural log transformation)
The distribution, after removal of outliers, was found to be log-normal.

Constituent: Dissolved Solids Analysis Run 2/2/2016 11:05 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

MW-689D



n = 26

Statistical outliers are drawn as solid.
Mean = 354.7
Std. dev. = 68.08
Critical Tn = 2.681.
After outlier removal:
mean = 361.7, std. dev. = 59.21, critical = 2.663;
mean = 368.4, std. dev. = 49.74, critical = 2.644;
mean = 374.9, std. dev. = 39.27, critical = 2.624;
mean = 379.2, std. dev. = 34.17, critical = 2.603.

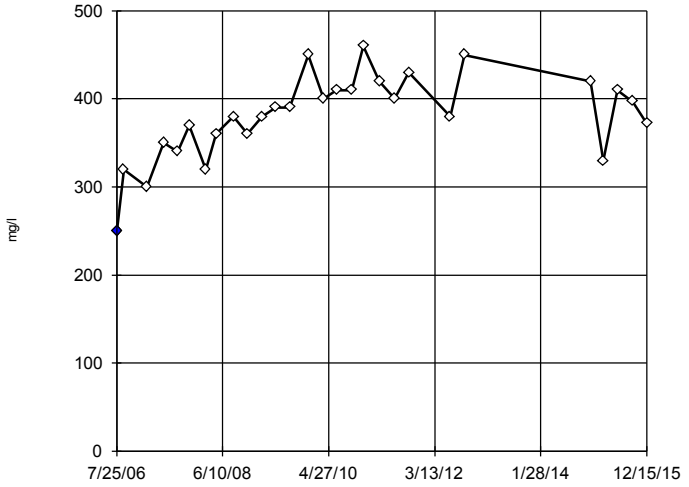
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.947
Critical = 0.926
The distribution, after removal of outliers, was found to be normally distributed.

Constituent: Dissolved Solids Analysis Run 2/2/2016 11:05 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

NAB-3



n = 28

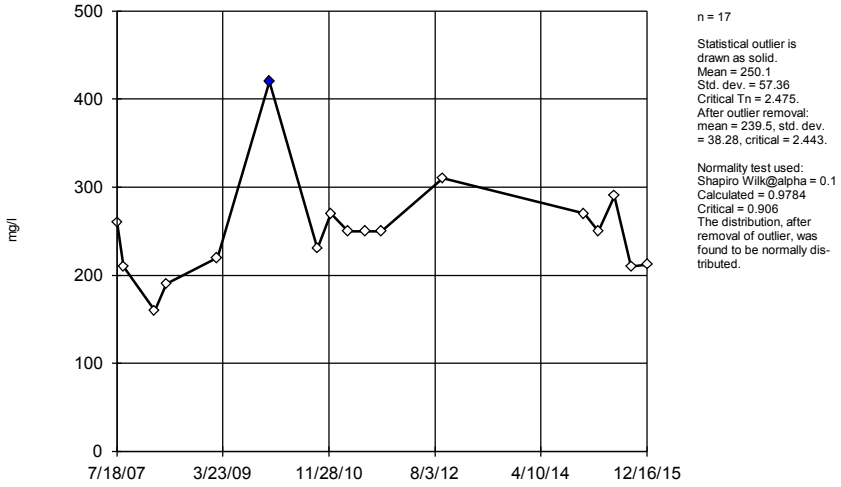
Statistical outlier is drawn as solid.
Mean = 380.3
Std. dev. = 48.05
Critical Tn = 2.714.
After outlier removal:
mean = 385.1, std. dev. = 41.48, critical = 2.698.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9786
Critical = 0.935
The distribution, after removal of outlier, was found to be normally distributed.

Constituent: Dissolved Solids Analysis Run 2/2/2016 11:05 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

EPA 1989 Outlier Screening

SP-7



n = 17

Statistical outlier is drawn as solid.
Mean = 250.1
Std. dev. = 57.36
Critical Tn = 2.475.
After outlier removal: mean = 239.5, std. dev. = 38.28, critical = 2.443.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9784
Critical = 0.906
The distribution, after removal of outlier, was found to be normally distributed.

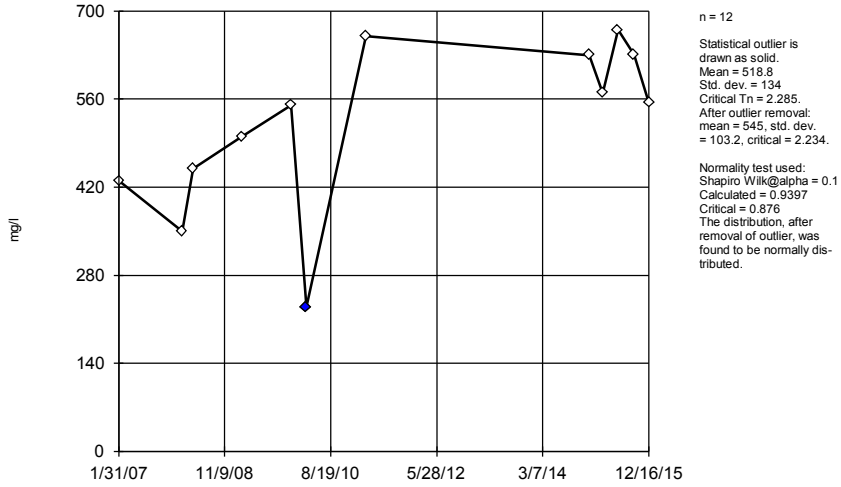
Constituent: Dissolved Solids Analysis Run 2/2/2016 11:05 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

SPRINGB



n = 12

Statistical outlier is drawn as solid.
Mean = 518.8
Std. dev. = 134
Critical Tn = 2.285.
After outlier removal: mean = 545, std. dev. = 103.2, critical = 2.234.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9397
Critical = 0.876
The distribution, after removal of outlier, was found to be normally distributed.

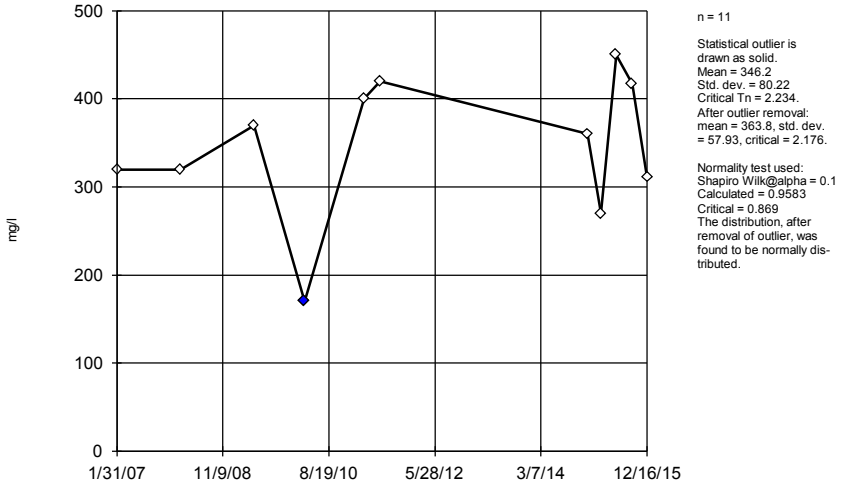
Constituent: Dissolved Solids Analysis Run 2/2/2016 11:05 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

TSP-3



n = 11

Statistical outlier is drawn as solid.
Mean = 346.2
Std. dev. = 80.22
Critical Tn = 2.234.
After outlier removal: mean = 363.8, std. dev. = 57.93, critical = 2.176.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9583
Critical = 0.869
The distribution, after removal of outlier, was found to be normally distributed.

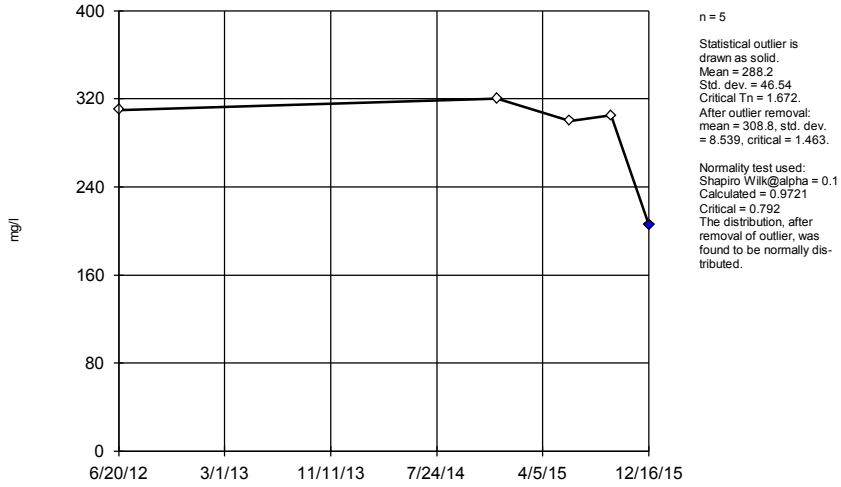
Constituent: Dissolved Solids Analysis Run 2/2/2016 11:05 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

LFENTRANCESEEP



n = 5

Statistical outlier is drawn as solid.
Mean = 288.2
Std. dev. = 46.54
Critical Tn = 1.672.
After outlier removal: mean = 308.8, std. dev. = 8.539, critical = 1.463.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9721
Critical = 0.792
The distribution, after removal of outlier, was found to be normally distributed.

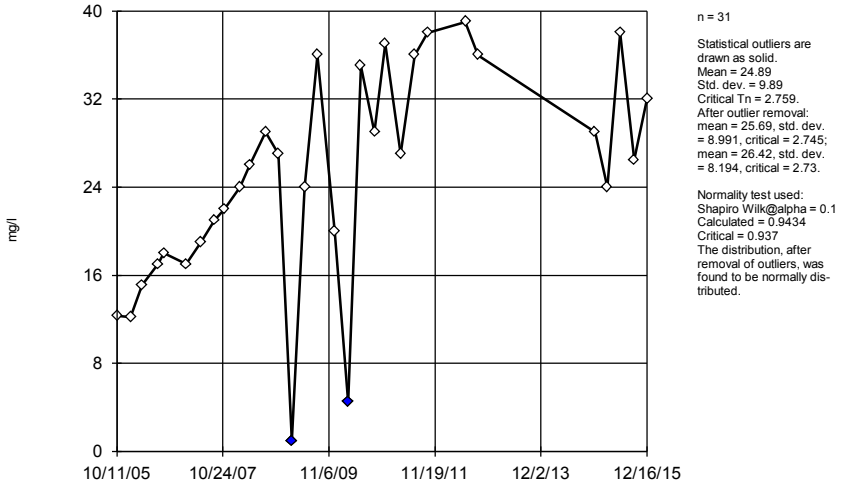
Constituent: Dissolved Solids Analysis Run 2/2/2016 11:05 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

EPA 1989 Outlier Screening

CAO-1



n = 31

Statistical outliers are drawn as solid.
Mean = 24.89
Std. dev. = 9.89
Critical Tn = 2.759.
After outlier removal: mean = 25.69, std. dev. = 8.991, critical = 2.745; mean = 26.42, std. dev. = 8.194, critical = 2.73.

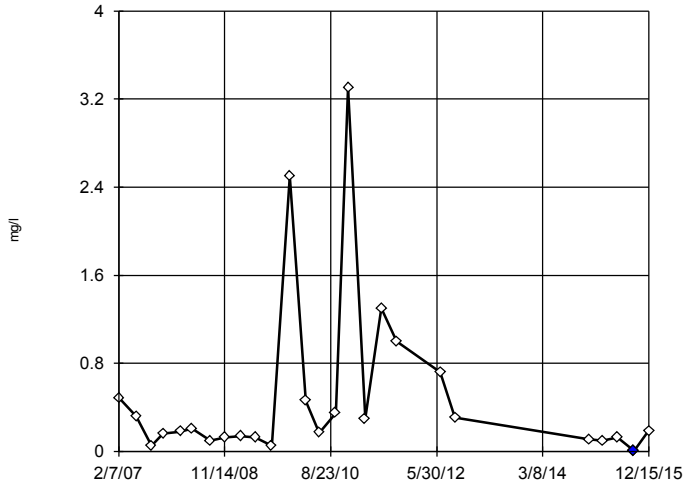
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9434
Critical = 0.937
The distribution, after removal of outliers, was found to be normally distributed.

Constituent: Iron Analysis Run 2/2/2016 11:06 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

MW-577



n = 26

Statistical outlier is drawn as solid.
Mean = 0.4964
Std. dev. = 0.7766
Critical Tn = 2.681.
After outlier removal: mean = 0.516, std. dev. = 0.7861, critical = 2.663.

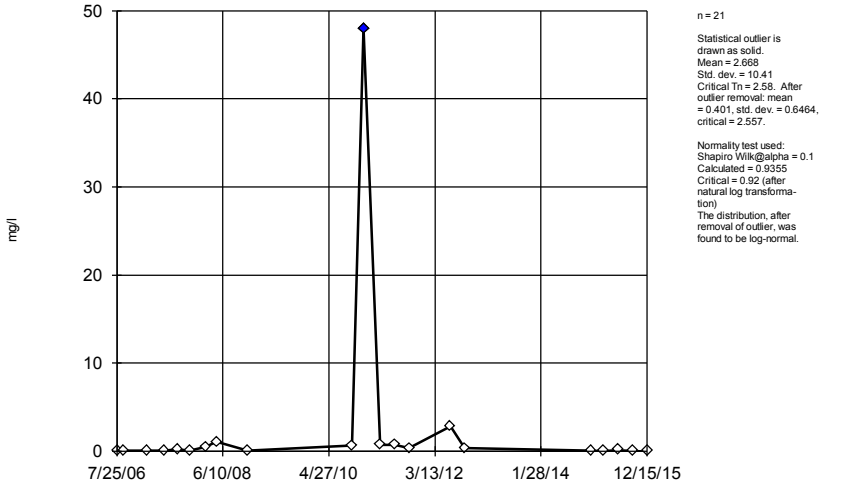
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9351
Critical = 0.931 (after natural log transformation)
The distribution, after removal of outlier, was found to be log-normal.

Constituent: Iron Analysis Run 2/2/2016 11:06 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

NAB-8



n = 21

Statistical outlier is drawn as solid.
Mean = 2.668
Std. dev. = 10.41
Critical Tn = 2.58. After outlier removal: mean = 0.401, std. dev. = 0.6464, critical = 2.557.

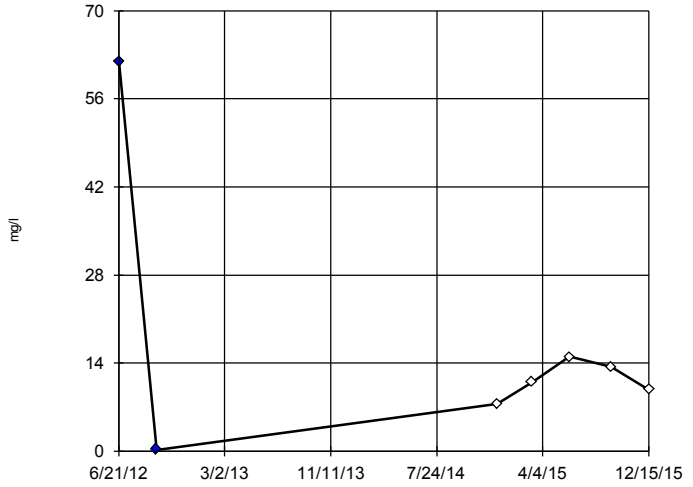
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9355
Critical = 0.92 (after natural log transformation)
The distribution, after removal of outlier, was found to be log-normal.

Constituent: Iron Analysis Run 2/2/2016 11:06 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

MW-1R



n = 7

Statistical outliers are drawn as solid.
Mean = 16.99
Std. dev. = 20.42
Critical Tn = 1.938.
After outlier removal: mean = 19.79, std. dev. = 20.85, critical = 1.822; mean = 11.34, std. dev. = 2.951, critical = 1.672.

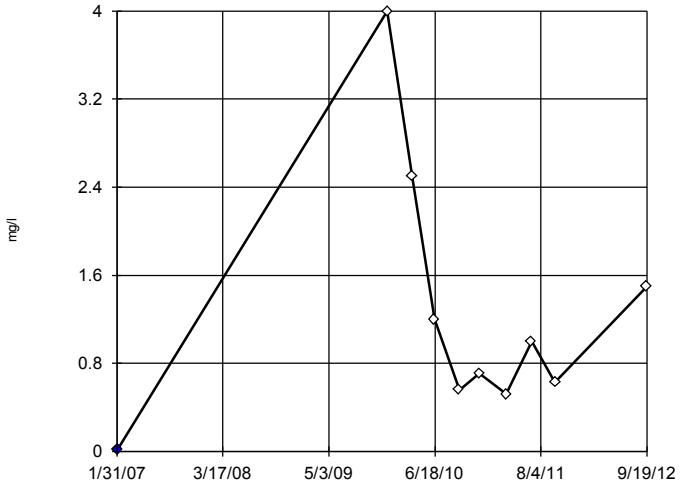
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9825
Critical = 0.806
The distribution, after removal of outliers, was found to be normally distributed.

Constituent: Iron Analysis Run 2/2/2016 11:06 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

TSP-2



n = 10

Statistical outlier is drawn as solid.
Mean = 1.263
Std. dev. = 1.177
Critical Tn = 2.176.
After outlier removal: mean = 1.402, std. dev. = 1.158, critical = 2.11.

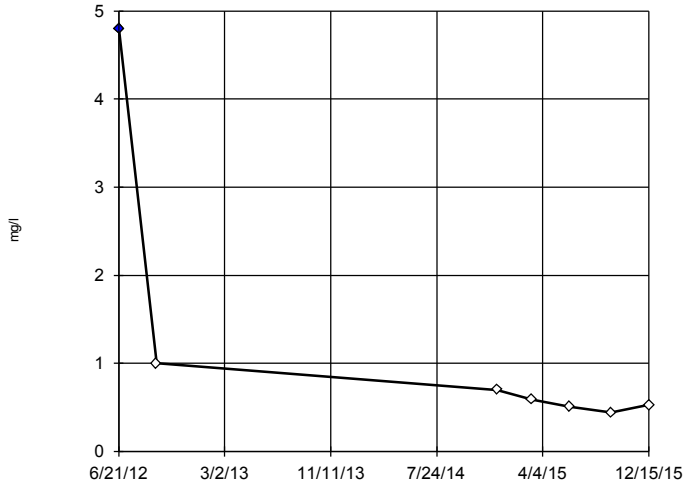
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9161
Critical = 0.859 (after natural log transformation)
The distribution, after removal of outlier, was found to be log-normal.

Constituent: Manganese Analysis Run 2/2/2016 11:06 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

EPA 1989 Outlier Screening

MW-1R



n = 7

Statistical outlier is drawn as solid.
Mean = 1.224
Std. dev. = 1.587
Critical Tn = 1.938.
After outlier removal: mean = 0.6283, std. dev. = 0.2018, critical = 1.822.

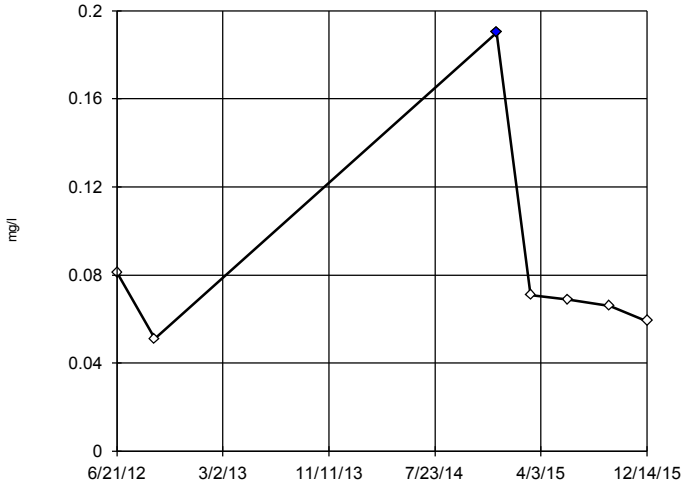
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8568
Critical = 0.826
The distribution, after removal of outlier, was found to be normally distributed.

Constituent: Manganese Analysis Run 2/2/2016 11:07 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

NE-2



n = 7

Statistical outlier is drawn as solid.
Mean = 0.08387
Std. dev. = 0.04774
Critical Tn = 1.938.
After outlier removal: mean = 0.06618, std. dev. = 0.01031, critical = 1.822.

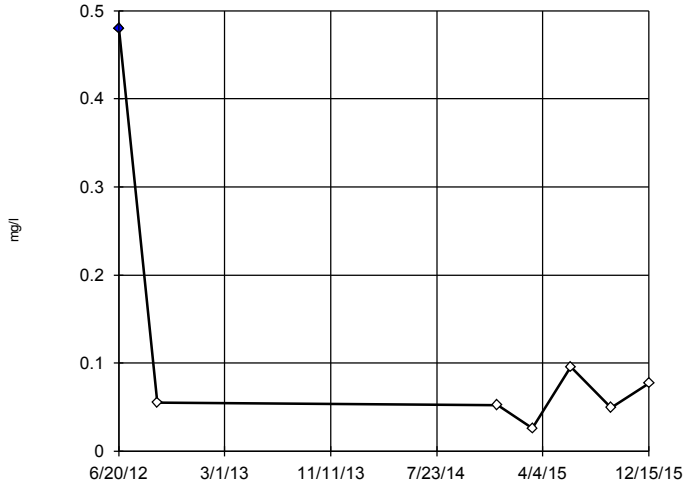
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9864
Critical = 0.826
The distribution, after removal of outlier, was found to be normally distributed.

Constituent: Manganese Analysis Run 2/2/2016 11:07 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

NE-3



n = 7

Statistical outlier is drawn as solid.
Mean = 0.1193
Std. dev. = 0.1606
Critical Tn = 1.938.
After outlier removal: mean = 0.0592, std. dev. = 0.02421, critical = 1.822.

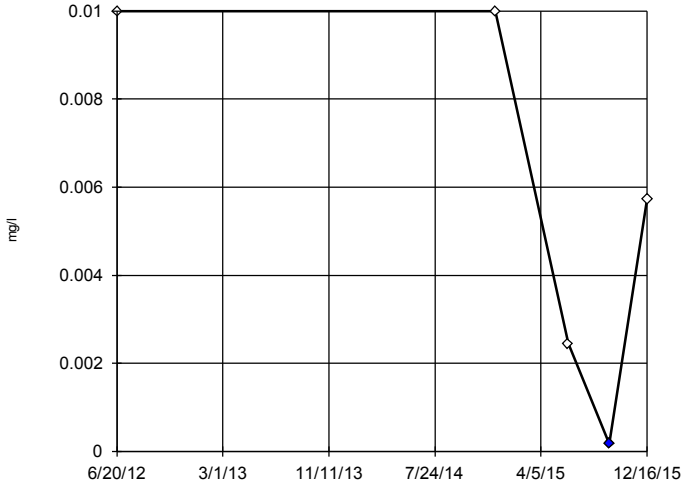
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.957
Critical = 0.826
The distribution, after removal of outlier, was found to be normally distributed.

Constituent: Manganese Analysis Run 2/2/2016 11:07 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

LFENTRANCESEEP



n = 5

Statistical outlier is drawn as solid.
Mean = 0.005669
Std. dev. = 0.004418
Critical Tn = 1.672.
After outlier removal: mean = 0.007042, std. dev. = 0.003667, critical = 1.463.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8648
Critical = 0.792
The distribution, after removal of outlier, was found to be normally distributed.

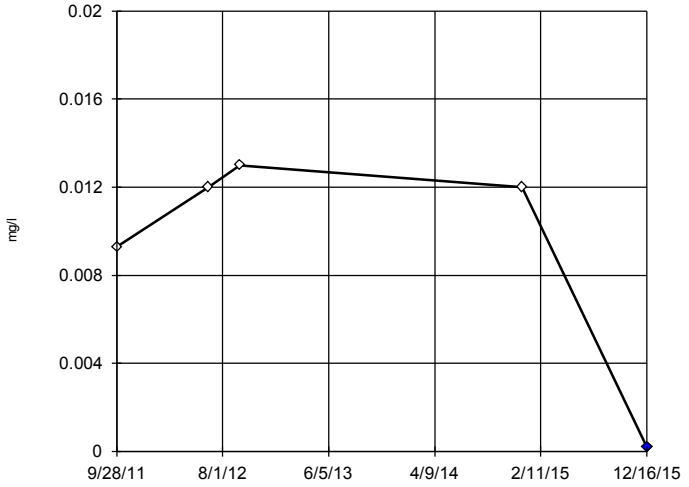
Constituent: Nickel Analysis Run 2/2/2016 11:07 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

LEACHATE



n = 5

Statistical outlier is drawn as solid.
Mean = 0.009298
Std. dev. = 0.005274
Critical Tn = 1.672.
After outlier removal: mean = 0.01158, std. dev. = 0.001588, critical = 1.463.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8543
Critical = 0.792
The distribution, after removal of outlier, was found to be normally distributed.

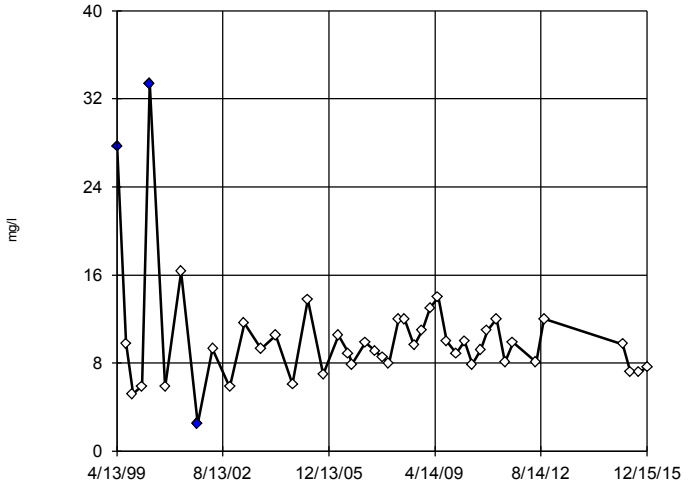
Constituent: Selenium Analysis Run 2/2/2016 11:07 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

MW-7



n = 44

Statistical outliers are drawn as solid.
Mean = 10.3
Std. dev. = 5.198
Critical Tn = 2.905.
After outlier removal: mean = 10.48, std. dev. = 5.116, critical = 2.896; mean = 9.935, std. dev. = 3.701, critical = 2.887; mean = 9.502, std. dev. = 2.441, critical = 2.877.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9732
Critical = 0.95
The distribution, after removal of outliers, was found to be normally distributed.

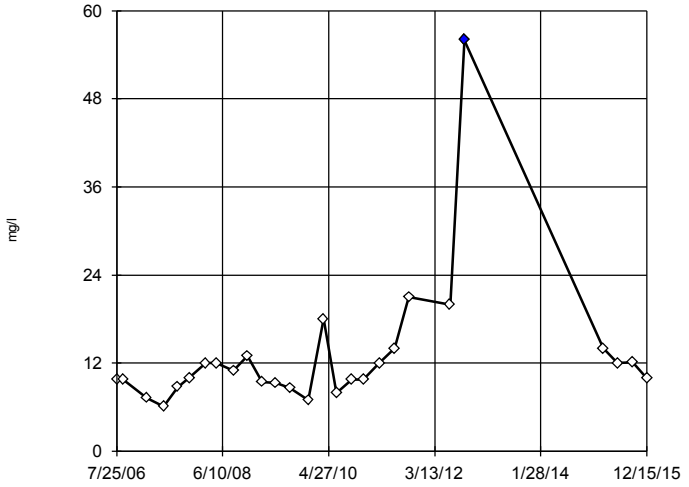
Constituent: Sulfate Analysis Run 2/2/2016 11:08 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

NAB-3



n = 27

Statistical outlier is drawn as solid.
Mean = 12.97
Std. dev. = 9.336
Critical Tn = 2.698.
After outlier removal: mean = 11.32, std. dev. = 3.707, critical = 2.681.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9587
Critical = 0.933 (after natural log transformation)
The distribution, after removal of outlier, was found to be log-normal.

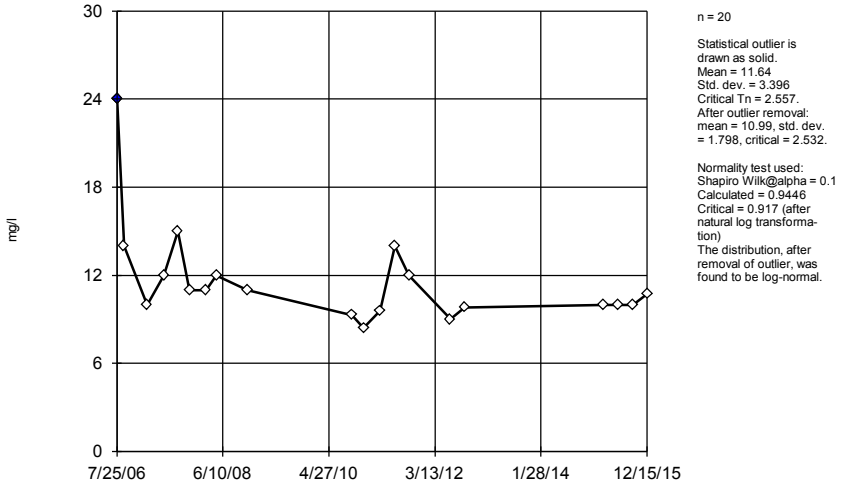
Constituent: Sulfate Analysis Run 2/2/2016 11:08 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

NAB-8



n = 20

Statistical outlier is drawn as solid.
Mean = 11.64
Std. dev. = 3.396
Critical Tn = 2.557.
After outlier removal: mean = 10.99, std. dev. = 1.798, critical = 2.532.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9446
Critical = 0.917 (after natural log transformation)
The distribution, after removal of outlier, was found to be log-normal.

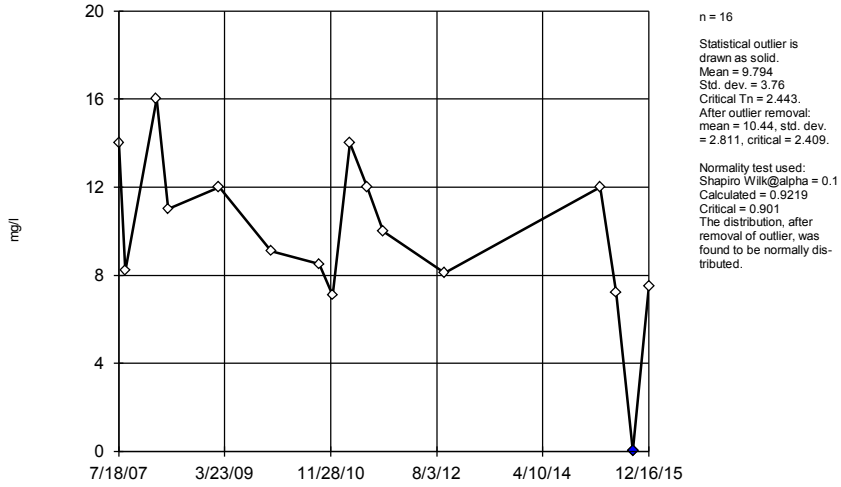
Constituent: Sulfate Analysis Run 2/2/2016 11:08 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

SP-7



n = 16

Statistical outlier is drawn as solid.
Mean = 9.794
Std. dev. = 3.76
Critical Tn = 2.443.
After outlier removal: mean = 10.44, std. dev. = 2.811, critical = 2.409.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9219
Critical = 0.901
The distribution, after removal of outlier, was found to be normally distributed.

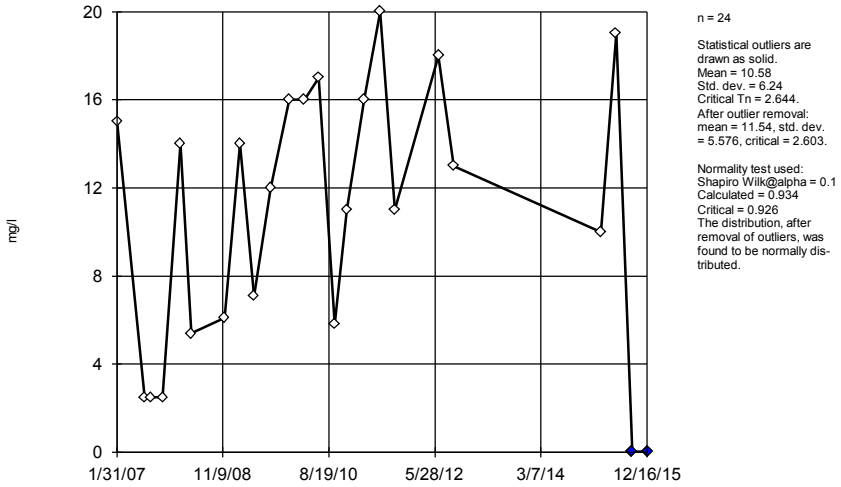
Constituent: Sulfate Analysis Run 2/2/2016 11:08 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

SPRINGA



n = 24

Statistical outliers are drawn as solid.
Mean = 10.58
Std. dev. = 6.24
Critical Tn = 2.644.
After outlier removal: mean = 11.54, std. dev. = 5.576, critical = 2.603.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.934
Critical = 0.926
The distribution, after removal of outliers, was found to be normally distributed.

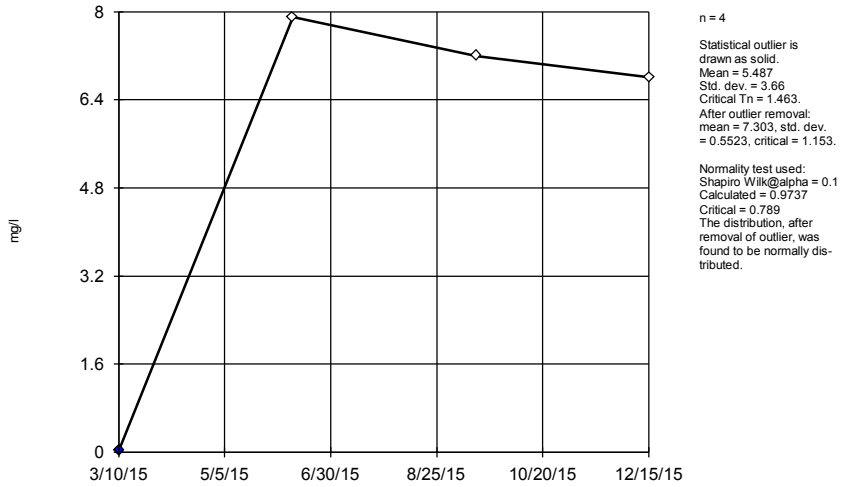
Constituent: Sulfate Analysis Run 2/2/2016 11:08 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

SP-NE-3



n = 4

Statistical outlier is drawn as solid.
Mean = 5.487
Std. dev. = 3.66
Critical Tn = 1.463.
After outlier removal: mean = 7.303, std. dev. = 0.5523, critical = 1.153.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9737
Critical = 0.789
The distribution, after removal of outlier, was found to be normally distributed.

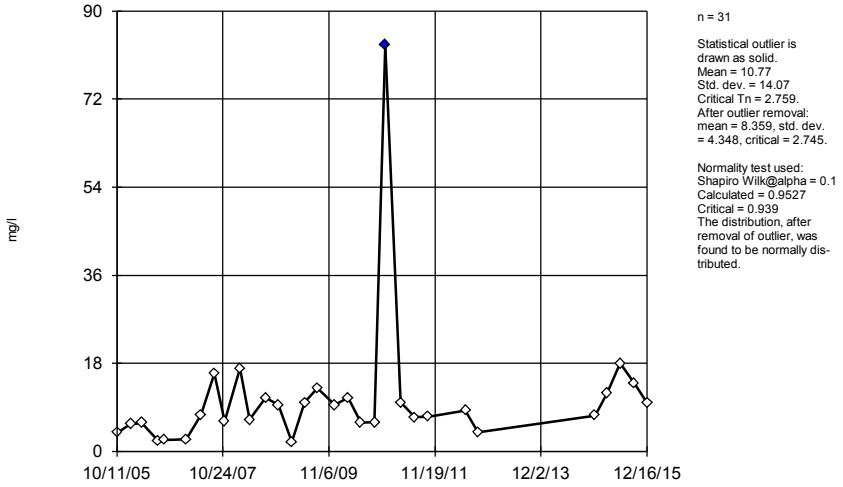
Constituent: Sulfate Analysis Run 2/2/2016 11:08 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

CAO-1



n = 31

Statistical outlier is drawn as solid.
Mean = 10.77
Std. dev. = 14.07
Critical Tn = 2.759.
After outlier removal: mean = 8.359, std. dev. = 4.348, critical = 2.745.

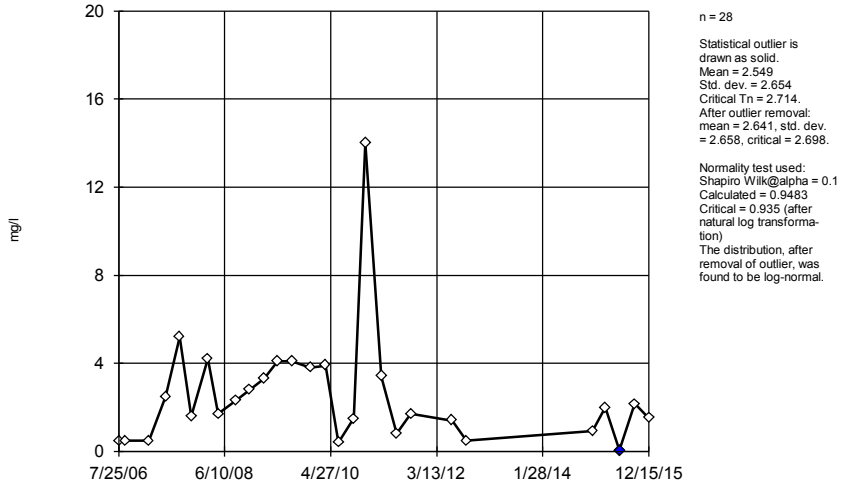
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9527
Critical = 0.939
The distribution, after removal of outlier, was found to be normally distributed.

Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 11:09 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

NAB-3



n = 28

Statistical outlier is drawn as solid.
Mean = 2.549
Std. dev. = 2.654
Critical Tn = 2.714.
After outlier removal: mean = 2.641, std. dev. = 2.658, critical = 2.698.

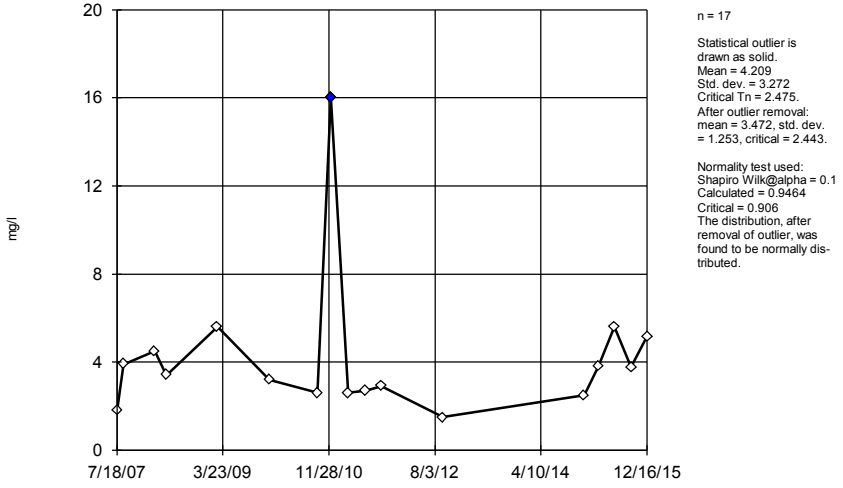
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9483
Critical = 0.935 (after natural log transformation)
The distribution, after removal of outlier, was found to be log-normal.

Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 11:09 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

SP-7



n = 17

Statistical outlier is drawn as solid.
Mean = 4.209
Std. dev. = 3.272
Critical Tn = 2.475.
After outlier removal: mean = 3.472, std. dev. = 1.253, critical = 2.443.

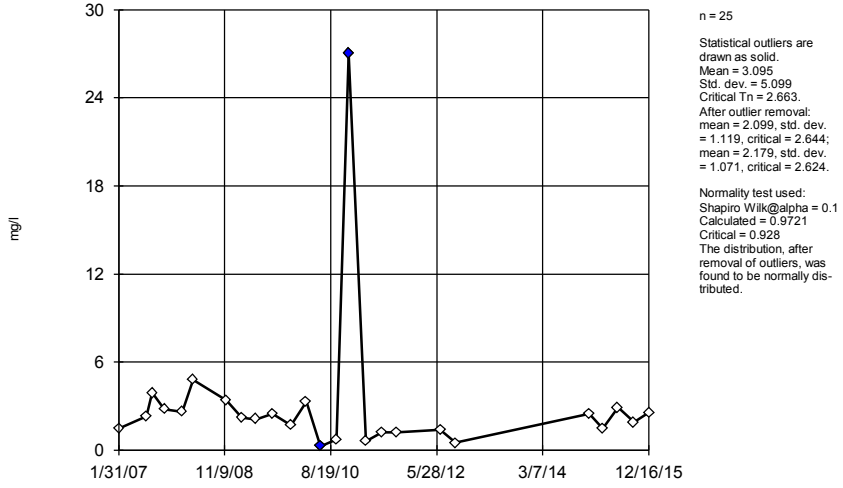
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9464
Critical = 0.906
The distribution, after removal of outlier, was found to be normally distributed.

Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 11:09 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

SPRINGA



n = 25

Statistical outliers are drawn as solid.
Mean = 3.095
Std. dev. = 5.099
Critical Tn = 2.663.
After outlier removal: mean = 2.099, std. dev. = 1.119, critical = 2.644; mean = 2.179, std. dev. = 1.071, critical = 2.624.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9721
Critical = 0.928
The distribution, after removal of outliers, was found to be normally distributed.

Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 11:09 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

TSP-4



n = 5

Statistical outlier is drawn as solid.
Mean = 4.102
Std. dev. = 1.104
Critical Tn = 1.672.
After outlier removal: mean = 4.553, std. dev. = 0.5225, critical = 1.463.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.8099
Critical = 0.792
The distribution, after removal of outlier, was found to be normally distributed.

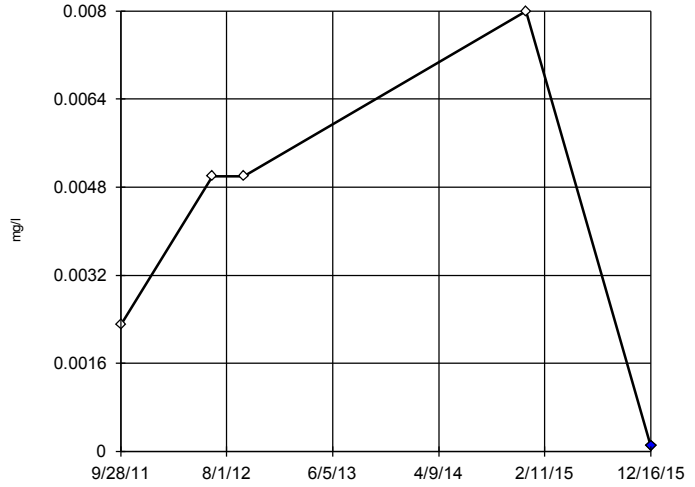
Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 11:09 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

LEACHATE



n = 5

Statistical outlier is drawn as solid.
Mean = 0.004078
Std. dev. = 0.003006
Critical Tn = 1.672.
After outlier removal: mean = 0.005075, std. dev. = 0.002329, critical = 1.463.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9432
Critical = 0.792
The distribution, after removal of outlier, was found to be normally distributed.

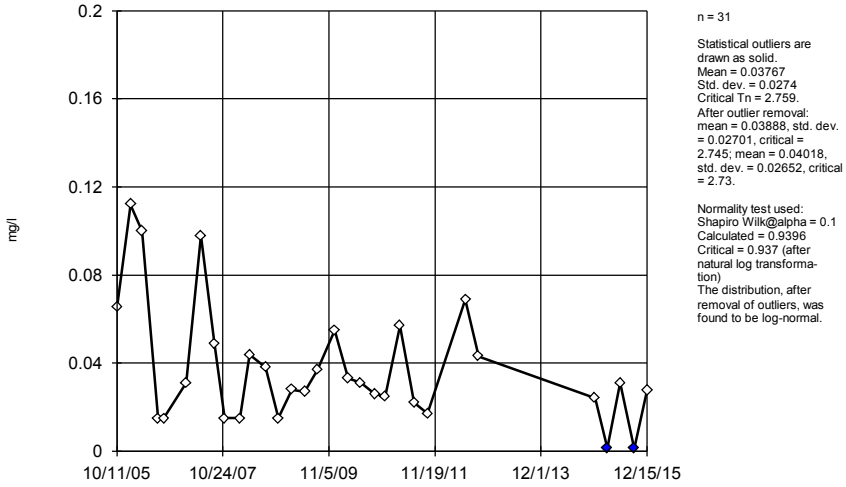
Constituent: Vanadium Analysis Run 2/2/2016 11:09 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

CAO-3



n = 31

Statistical outliers are drawn as solid.
Mean = 0.03767
Std. dev. = 0.0274
Critical Tn = 2.759.
After outlier removal: mean = 0.03888, std. dev. = 0.02701, critical = 2.745; mean = 0.04018, std. dev. = 0.02652, critical = 2.73.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9396
Critical = 0.937 (after natural log transformation)
The distribution, after removal of outliers, was found to be log-normal.

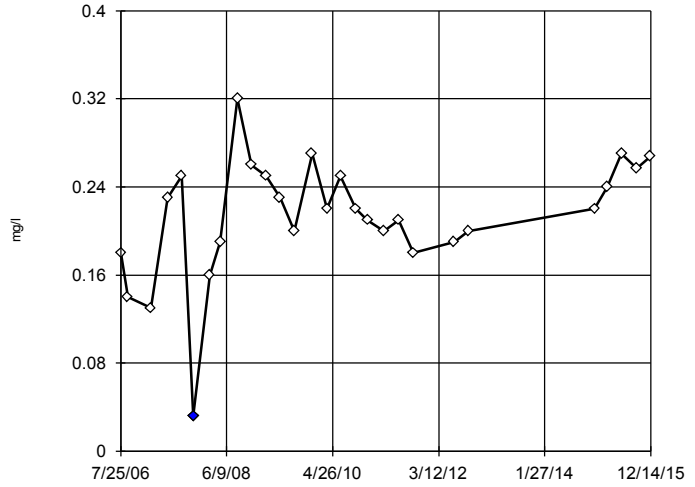
Constituent: Zinc Analysis Run 2/2/2016 11:10 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

MW-633D



n = 28

Statistical outlier is drawn as solid.
Mean = 0.2135
Std. dev. = 0.05518
Critical Tn = 2.714.
After outlier removal: mean = 0.2202, std. dev. = 0.043, critical = 2.698.

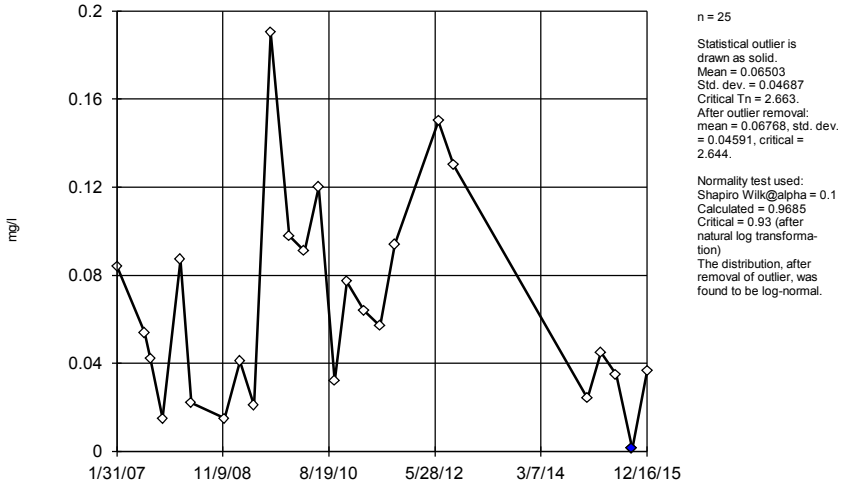
Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9823
Critical = 0.935
The distribution, after removal of outlier, was found to be normally distributed.

Constituent: Zinc Analysis Run 2/2/2016 11:10 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

EPA 1989 Outlier Screening

SPRINGA



n = 25

Statistical outlier is drawn as solid.
Mean = 0.06503
Std. dev. = 0.04687
Critical Tn = 2.663.
After outlier removal: mean = 0.06768, std. dev. = 0.04591, critical = 2.644.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9685
Critical = 0.93 (after natural log transformation)
The distribution, after removal of outlier, was found to be log-normal.

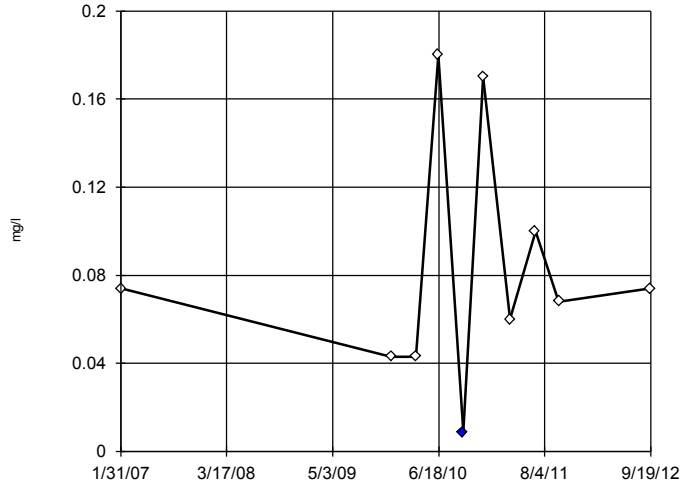
Constituent: Zinc Analysis Run 2/2/2016 11:10 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

TSP-2



n = 10

Statistical outlier is drawn as solid.
Mean = 0.08209
Std. dev. = 0.05464
Critical Tn = 2.176.
After outlier removal: mean = 0.09022, std. dev. = 0.05113, critical = 2.11.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9016
Critical = 0.859 (after natural log transformation)
The distribution, after removal of outlier, was found to be log-normal.

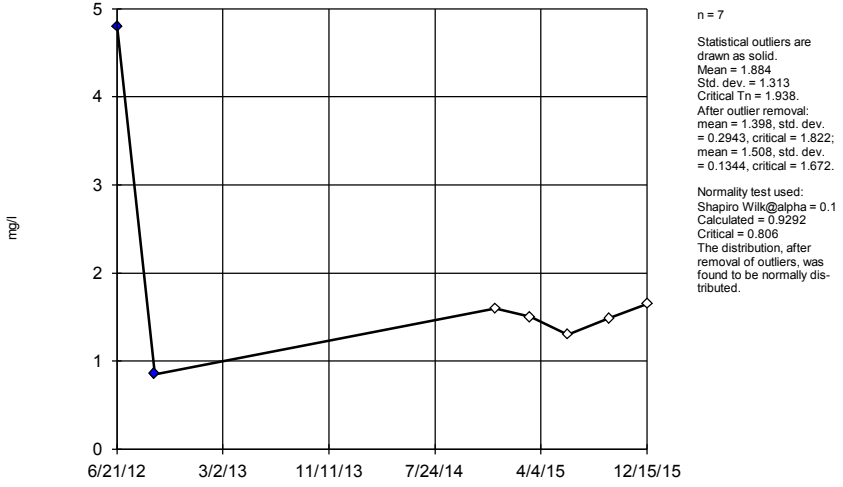
Constituent: Zinc Analysis Run 2/2/2016 11:10 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

MW-1R



n = 7

Statistical outliers are drawn as solid.
Mean = 1.884
Std. dev. = 1.313
Critical Tn = 1.938.
After outlier removal: mean = 1.398, std. dev. = 0.2943, critical = 1.822; mean = 1.508, std. dev. = 0.1344, critical = 1.672.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.9292
Critical = 0.806
The distribution, after removal of outliers, was found to be normally distributed.

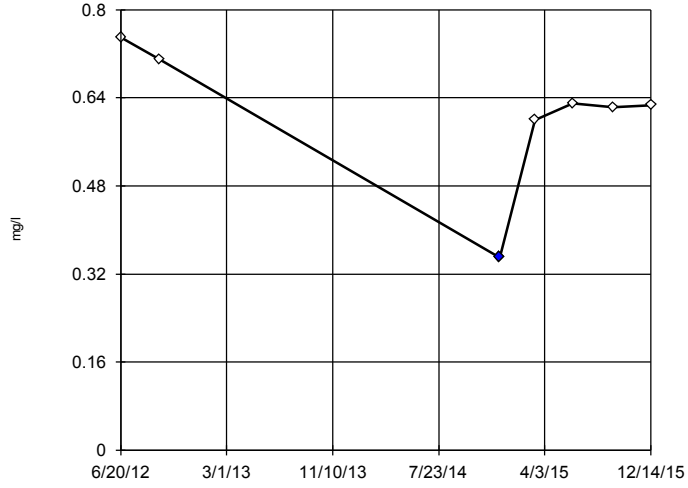
Constituent: Zinc Analysis Run 2/2/2016 11:10 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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EPA 1989 Outlier Screening

NE-6



n = 7

Statistical outlier is drawn as solid.
Mean = 0.6129
Std. dev. = 0.1279
Critical Tn = 1.938.
After outlier removal: mean = 0.6567, std. dev. = 0.05915, critical = 1.822.

Normality test used:
Shapiro Wilk@alpha = 0.1
Calculated = 0.839
Critical = 0.826
The distribution, after removal of outlier, was found to be normally distributed.

Constituent: Zinc Analysis Run 2/2/2016 11:10 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Outlier Analysis

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat Printed 2/2/2016, 11:10 AM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/l)	MW-4	No	n/a	n/a	EPA 1989	0.05	45	0.001311	0.001207	unknown	ShapiroWilk
Antimony (mg/l)	CAO-1	No	n/a	n/a	EPA 1989	0.05	29	0.000...	0.0006841	unknown	ShapiroWilk
Antimony (mg/l)	CAO-2	No	n/a	n/a	EPA 1989	0.05	29	0.000...	0.0006812	unknown	ShapiroWilk
Antimony (mg/l)	CAO-3	No	n/a	n/a	EPA 1989	0.05	30	0.000...	0.0006709	unknown	ShapiroWilk
Antimony (mg/l)	**LEACHATE**	**Yes**	**0.000105**	**12/16/2015**	**EPA 1989**	**0.05**	**5**	**0.000575**	**0.0003289**	**normal**	**ShapiroWilk**
Antimony (mg/l)	MW-1	No	n/a	n/a	EPA 1989	0.05	42	0.001609	0.001643	unknown	ShapiroWilk
Antimony (mg/l)	MW-2	No	n/a	n/a	EPA 1989	0.05	45	0.00137	0.001198	unknown	ShapiroWilk
Antimony (mg/l)	MW-3	No	n/a	n/a	EPA 1989	0.05	45	0.001325	0.001211	unknown	ShapiroWilk
Antimony (mg/l)	MW-5	No	n/a	n/a	EPA 1989	0.05	45	0.00134	0.001202	unknown	ShapiroWilk
Antimony (mg/l)	MW-509D	No	n/a	n/a	EPA 1989	0.05	28	0.00048	0.0002145	unknown	ShapiroWilk
Antimony (mg/l)	MW-577	No	n/a	n/a	EPA 1989	0.05	26	0.000...	0.0002546	unknown	ShapiroWilk
Antimony (mg/l)	MW-6	No	n/a	n/a	EPA 1989	0.05	45	0.001352	0.001203	unknown	ShapiroWilk
Antimony (mg/l)	MW-633D	No	n/a	n/a	EPA 1989	0.05	28	0.000...	0.0002777	unknown	ShapiroWilk
Antimony (mg/l)	MW-689D	No	n/a	n/a	EPA 1989	0.05	26	0.000...	0.0001626	unknown	ShapiroWilk
Antimony (mg/l)	MW-7	No	n/a	n/a	EPA 1989	0.05	45	0.001329	0.001208	unknown	ShapiroWilk
Antimony (mg/l)	NAB-1	No	n/a	n/a	EPA 1989	0.05	24	0.000...	0.0003523	unknown	ShapiroWilk
Antimony (mg/l)	NAB-2	No	n/a	n/a	EPA 1989	0.05	28	0.000...	0.0002076	unknown	ShapiroWilk
Antimony (mg/l)	NAB-3	No	n/a	n/a	EPA 1989	0.05	28	0.000...	0.0001765	unknown	ShapiroWilk
Antimony (mg/l)	NAB-4	No	n/a	n/a	EPA 1989	0.05	27	0.000...	0.0006472	unknown	ShapiroWilk
Antimony (mg/l)	NAB-7	No	n/a	n/a	EPA 1989	0.05	28	0.000...	0.0003261	unknown	ShapiroWilk
Antimony (mg/l)	NAB-8	No	n/a	n/a	EPA 1989	0.05	21	0.000...	0.0002286	unknown	ShapiroWilk
Antimony (mg/l)	SP-7	No	n/a	n/a	EPA 1989	0.05	17	0.000...	0.0006729	unknown	ShapiroWilk
Antimony (mg/l)	SPRINGA	No	n/a	n/a	EPA 1989	0.05	25	0.000...	0.0006306	unknown	ShapiroWilk
Antimony (mg/l)	SPRINGB	No	n/a	n/a	EPA 1989	0.05	12	0.000...	0.0006609	unknown	ShapiroWilk
Antimony (mg/l)	TSP-1	No	n/a	n/a	EPA 1989	0.05	10	0.000471	0.0000...	unknown	ShapiroWilk
Antimony (mg/l)	TSP-2	No	n/a	n/a	EPA 1989	0.05	10	0.000548	0.0001321	unknown	ShapiroWilk
Antimony (mg/l)	TSP-3	No	n/a	n/a	EPA 1989	0.05	11	0.000...	0.000927	unknown	ShapiroWilk
Antimony (mg/l)	TSP-4	No	n/a	n/a	EPA 1989	0.05	5	0.00037	0.0002486	normal	ShapiroWilk
Antimony (mg/l)	LFENTRANC...	No	n/a	n/a	EPA 1989	0.05	5	0.000696	0.0008682	ln(x)	ShapiroWilk
Antimony (mg/l)	MW-1R	No	n/a	n/a	EPA 1989	0.05	7	0.000...	0.0004844	unknown	ShapiroWilk
Antimony (mg/l)	NE-2	No	n/a	n/a	EPA 1989	0.05	7	0.000...	0.001247	unknown	ShapiroWilk
Antimony (mg/l)	NE-3	No	n/a	n/a	EPA 1989	0.05	7	0.000...	0.0002635	unknown	ShapiroWilk
Antimony (mg/l)	NE-6	No	n/a	n/a	EPA 1989	0.05	7	0.000...	0.001295	ln(x)	ShapiroWilk
Antimony (mg/l)	CLASSIDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.000...	0.0008952	normal	ShapiroWilk
Antimony (mg/l)	CLASSIVDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.000...	0.0002175	unknown	ShapiroWilk
Antimony (mg/l)	SP-NE-3	No	n/a	n/a	EPA 1989	0.05	5	0.000603	0.0008639	unknown	ShapiroWilk
Arsenic (mg/l)	MW-4	No	n/a	n/a	EPA 1989	0.05	45	0.001396	0.001242	unknown	ShapiroWilk
Arsenic (mg/l)	**CAO-1**	**Yes**	**0.0005,0....**	**2/20/2009...**	**EPA 1989**	**0.05**	**31**	**0.02749**	**0.01268**	**ln(x)**	**ShapiroWilk**
Arsenic (mg/l)	**CAO-2**	**Yes**	**0.11,0.00...**	**12/16/200...**	**EPA 1989**	**0.05**	**31**	**0.007501**	**0.01985**	**ln(x)**	**ShapiroWilk**
Arsenic (mg/l)	CAO-3	No	n/a	n/a	EPA 1989	0.05	31	0.001806	0.002626	unknown	ShapiroWilk
Arsenic (mg/l)	LEACHATE	No	n/a	n/a	EPA 1989	0.05	5	0.01163	0.007808	ln(x)	ShapiroWilk
Arsenic (mg/l)	MW-1	No	n/a	n/a	EPA 1989	0.05	42	0.004332	0.007457	unknown	ShapiroWilk
Arsenic (mg/l)	MW-2	No	n/a	n/a	EPA 1989	0.05	45	0.004089	0.002145	ln(x)	ShapiroWilk
Arsenic (mg/l)	MW-3	No	n/a	n/a	EPA 1989	0.05	45	0.001647	0.001511	unknown	ShapiroWilk
Arsenic (mg/l)	MW-5	No	n/a	n/a	EPA 1989	0.05	45	0.001408	0.00124	unknown	ShapiroWilk
Arsenic (mg/l)	MW-509D	No	n/a	n/a	EPA 1989	0.05	28	0.005193	0.007088	ln(x)	ShapiroWilk
Arsenic (mg/l)	MW-577	No	n/a	n/a	EPA 1989	0.05	26	0.002676	0.003303	unknown	ShapiroWilk
Arsenic (mg/l)	MW-6	No	n/a	n/a	EPA 1989	0.05	45	0.001399	0.001249	unknown	ShapiroWilk
Arsenic (mg/l)	MW-633D	No	n/a	n/a	EPA 1989	0.05	28	0.001464	0.001654	unknown	ShapiroWilk
Arsenic (mg/l)	MW-689D	No	n/a	n/a	EPA 1989	0.05	26	0.00254	0.00394	unknown	ShapiroWilk

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Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Arsenic (mg/l)	MW-7	No	n/a	n/a	EPA 1989	0.05	45	0.001452	0.001348	unknown	ShapiroWilk
Arsenic (mg/l)	NAB-1	No	n/a	n/a	EPA 1989	0.05	24	0.02664	0.02103	ln(x)	ShapiroWilk
Arsenic (mg/l)	NAB-2	No	n/a	n/a	EPA 1989	0.05	28	0.03717	0.03639	ln(x)	ShapiroWilk
Arsenic (mg/l)	NAB-3	No	n/a	n/a	EPA 1989	0.05	28	0.001822	0.001947	unknown	ShapiroWilk
Arsenic (mg/l)	NAB-4	No	n/a	n/a	EPA 1989	0.05	27	0.006926	0.004375	ln(x)	ShapiroWilk
Arsenic (mg/l)	NAB-7	No	n/a	n/a	EPA 1989	0.05	28	0.01221	0.0253	ln(x)	ShapiroWilk
Arsenic (mg/l)	NAB-8	No	n/a	n/a	EPA 1989	0.05	21	0.003922	0.005598	ln(x)	ShapiroWilk
Arsenic (mg/l)	**SP-7**	**Yes**	**0.000125**	**3/9/2015**	**EPA 1989**	**0.05**	**17**	**0.003454**	**0.003124**	**ln(x)**	**ShapiroWilk**
Arsenic (mg/l)	SPRINGA	No	n/a	n/a	EPA 1989	0.05	25	0.000...	0.0008248	unknown	ShapiroWilk
Arsenic (mg/l)	SPRINGB	No	n/a	n/a	EPA 1989	0.05	12	0.000...	0.001007	ln(x)	ShapiroWilk
Arsenic (mg/l)	TSP-1	No	n/a	n/a	EPA 1989	0.05	10	0.0007	0.0003496	unknown	ShapiroWilk
Arsenic (mg/l)	TSP-2	No	n/a	n/a	EPA 1989	0.05	10	0.002215	0.001899	ln(x)	ShapiroWilk
Arsenic (mg/l)	TSP-3	No	n/a	n/a	EPA 1989	0.05	11	0.00056	0.0005736	unknown	ShapiroWilk
Arsenic (mg/l)	TSP-4	No	n/a	n/a	EPA 1989	0.05	5	0.00049	0.000439	normal	ShapiroWilk
Arsenic (mg/l)	LFENTRANC...	No	n/a	n/a	EPA 1989	0.05	5	0.005936	0.003618	ln(x)	ShapiroWilk
Arsenic (mg/l)	**MW-1R**	**Yes**	**0.0028**	**9/20/2012**	**EPA 1989**	**0.05**	**7**	**0.0394**	**0.02767**	**normal**	**ShapiroWilk**
Arsenic (mg/l)	NE-2	No	n/a	n/a	EPA 1989	0.05	7	0.01851	0.01591	normal	ShapiroWilk
Arsenic (mg/l)	**NE-3**	**Yes**	**0.000125,...**	**3/11/2015...**	**EPA 1989**	**0.05**	**7**	**0.004446**	**0.005226**	**normal**	**ShapiroWilk**
Arsenic (mg/l)	NE-6	No	n/a	n/a	EPA 1989	0.05	7	0.001729	0.002467	unknown	ShapiroWilk
Arsenic (mg/l)	**CLASSIDRAW**	**Yes**	**0.037**	**6/10/2015**	**EPA 1989**	**0.05**	**4**	**0.01188**	**0.01676**	**normal**	**ShapiroWilk**
Arsenic (mg/l)	CLASSIVDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.001315	0.001843	ln(x)	ShapiroWilk
Arsenic (mg/l)	SP-NE-3	No	n/a	n/a	EPA 1989	0.05	5	0.001171	0.001897	unknown	ShapiroWilk
Barium (mg/l)	MW-4	No	n/a	n/a	EPA 1989	0.05	45	0.03579	0.02184	unknown	ShapiroWilk
Barium (mg/l)	**CAO-1**	**Yes**	**0.05,0.05...**	**1/16/2006...**	**EPA 1989**	**0.05**	**31**	**0.2068**	**0.06745**	**normal**	**ShapiroWilk**
Barium (mg/l)	**CAO-2**	**Yes**	**0.0275,0.2**	**10/11/200...**	**EPA 1989**	**0.05**	**31**	**0.08018**	**0.0305**	**ln(x)**	**ShapiroWilk**
Barium (mg/l)	**CAO-3**	**Yes**	**0.025**	**10/11/2005**	**EPA 1989**	**0.05**	**31**	**0.04491**	**0.005913**	**ln(x)**	**ShapiroWilk**
Barium (mg/l)	LEACHATE	No	n/a	n/a	EPA 1989	0.05	5	1.6	1.017	unknown	ShapiroWilk
Barium (mg/l)	MW-1	No	n/a	n/a	EPA 1989	0.05	42	0.075	0.05185	unknown	ShapiroWilk
Barium (mg/l)	MW-2	No	n/a	n/a	EPA 1989	0.05	45	0.03421	0.02574	unknown	ShapiroWilk
Barium (mg/l)	MW-3	No	n/a	n/a	EPA 1989	0.05	45	0.05162	0.03528	unknown	ShapiroWilk
Barium (mg/l)	MW-5	No	n/a	n/a	EPA 1989	0.05	45	0.03563	0.02008	unknown	ShapiroWilk
Barium (mg/l)	MW-509D	No	n/a	n/a	EPA 1989	0.05	28	0.04626	0.03012	unknown	ShapiroWilk
Barium (mg/l)	**MW-577**	**Yes**	**0.039**	**12/8/2010**	**EPA 1989**	**0.05**	**26**	**0.02773**	**0.003713**	**normal**	**ShapiroWilk**
Barium (mg/l)	MW-6	No	n/a	n/a	EPA 1989	0.05	45	0.05009	0.04269	unknown	ShapiroWilk
Barium (mg/l)	MW-633D	No	n/a	n/a	EPA 1989	0.05	28	0.03743	0.002257	normal	ShapiroWilk
Barium (mg/l)	MW-689D	No	n/a	n/a	EPA 1989	0.05	26	0.0352	0.01501	unknown	ShapiroWilk
Barium (mg/l)	**MW-7**	**Yes**	**2.67**	**10/31/2002**	**EPA 1989**	**0.05**	**45**	**0.2002**	**0.396**	**ln(x)**	**ShapiroWilk**
Barium (mg/l)	**NAB-1**	**Yes**	**0.04**	**9/23/2010**	**EPA 1989**	**0.05**	**24**	**0.02975**	**0.003467**	**normal**	**ShapiroWilk**
Barium (mg/l)	NAB-2	No	n/a	n/a	EPA 1989	0.05	28	0.02804	0.008384	unknown	ShapiroWilk
Barium (mg/l)	NAB-3	No	n/a	n/a	EPA 1989	0.05	28	0.04037	0.006641	ln(x)	ShapiroWilk
Barium (mg/l)	NAB-4	No	n/a	n/a	EPA 1989	0.05	27	0.03081	0.008071	unknown	ShapiroWilk
Barium (mg/l)	**NAB-7**	**Yes**	**0.0346**	**12/15/2015**	**EPA 1989**	**0.05**	**28**	**0.02229**	**0.003937**	**ln(x)**	**ShapiroWilk**
Barium (mg/l)	NAB-8	No	n/a	n/a	EPA 1989	0.05	21	0.05054	0.02933	unknown	ShapiroWilk
Barium (mg/l)	SP-7	No	n/a	n/a	EPA 1989	0.05	17	0.0598	0.008588	normal	ShapiroWilk
Barium (mg/l)	SPRINGA	No	n/a	n/a	EPA 1989	0.05	25	0.04062	0.007867	normal	ShapiroWilk
Barium (mg/l)	SPRINGB	No	n/a	n/a	EPA 1989	0.05	12	0.1063	0.02815	normal	ShapiroWilk
Barium (mg/l)	**TSP-1**	**Yes**	**0.097,0.072**	**6/29/2011...**	**EPA 1989**	**0.05**	**10**	**0.0554**	**0.0171**	**normal**	**ShapiroWilk**
Barium (mg/l)	TSP-2	No	n/a	n/a	EPA 1989	0.05	10	0.108	0.04356	normal	ShapiroWilk
Barium (mg/l)	TSP-3	No	n/a	n/a	EPA 1989	0.05	11	0.0954	0.04742	ln(x)	ShapiroWilk
Barium (mg/l)	TSP-4	No	n/a	n/a	EPA 1989	0.05	5	0.05464	0.01113	normal	ShapiroWilk

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Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Barium (mg/l)	LFENTRANC...	No	n/a	n/a	EPA 1989	0.05	5	0.08876	0.02505	normal	ShapiroWilk
Barium (mg/l)	**MW-1R**	**Yes**	**0.35,0.13**	**6/21/2012...**	**EPA 1989**	**0.05**	**7**	**0.1936**	**0.07146**	**normal**	**ShapiroWilk**
Barium (mg/l)	NE-2	No	n/a	n/a	EPA 1989	0.05	7	0.03221	0.01956	ln(x)	ShapiroWilk
Barium (mg/l)	**NE-3**	**Yes**	**0.00018**	**9/16/2015**	**EPA 1989**	**0.05**	**7**	**0.1302**	**0.06104**	**normal**	**ShapiroWilk**
Barium (mg/l)	NE-6	No	n/a	n/a	EPA 1989	0.05	7	0.03127	0.001821	normal	ShapiroWilk
Barium (mg/l)	CLASSIDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.0848	0.05856	normal	ShapiroWilk
Barium (mg/l)	CLASSIVDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.07485	0.02659	normal	ShapiroWilk
Barium (mg/l)	SP-NE-3	No	n/a	n/a	EPA 1989	0.05	5	0.03306	0.008465	normal	ShapiroWilk
Beryllium (mg/l)	MW-4	No	n/a	n/a	EPA 1989	0.05	45	0.000...	0.0003459	unknown	ShapiroWilk
Beryllium (mg/l)	CAO-1	No	n/a	n/a	EPA 1989	0.05	31	0.000548	0.0003335	unknown	ShapiroWilk
Beryllium (mg/l)	CAO-2	No	n/a	n/a	EPA 1989	0.05	31	0.000...	0.0004974	unknown	ShapiroWilk
Beryllium (mg/l)	CAO-3	No	n/a	n/a	EPA 1989	0.05	31	0.000...	0.0003215	unknown	ShapiroWilk
Beryllium (mg/l)	LEACHATE	No	n/a	n/a	EPA 1989	0.05	5	0.00031	0.0001908	normal	ShapiroWilk
Beryllium (mg/l)	MW-1	No	n/a	n/a	EPA 1989	0.05	42	0.000...	0.0008731	unknown	ShapiroWilk
Beryllium (mg/l)	MW-2	No	n/a	n/a	EPA 1989	0.05	45	0.000...	0.0006016	unknown	ShapiroWilk
Beryllium (mg/l)	MW-3	No	n/a	n/a	EPA 1989	0.05	45	0.000762	0.0004836	unknown	ShapiroWilk
Beryllium (mg/l)	MW-5	No	n/a	n/a	EPA 1989	0.05	45	0.000...	0.0003458	unknown	ShapiroWilk
Beryllium (mg/l)	MW-509D	No	n/a	n/a	EPA 1989	0.05	28	0.001113	0.001434	unknown	ShapiroWilk
Beryllium (mg/l)	MW-577	No	n/a	n/a	EPA 1989	0.05	26	0.00053	0.0003012	unknown	ShapiroWilk
Beryllium (mg/l)	MW-6	No	n/a	n/a	EPA 1989	0.05	45	0.000...	0.0003456	unknown	ShapiroWilk
Beryllium (mg/l)	MW-633D	No	n/a	n/a	EPA 1989	0.05	28	0.000...	0.0003365	unknown	ShapiroWilk
Beryllium (mg/l)	MW-689D	No	n/a	n/a	EPA 1989	0.05	26	0.000...	0.0004994	unknown	ShapiroWilk
Beryllium (mg/l)	MW-7	No	n/a	n/a	EPA 1989	0.05	45	0.000...	0.0003815	unknown	ShapiroWilk
Beryllium (mg/l)	NAB-1	No	n/a	n/a	EPA 1989	0.05	24	0.000915	0.001056	unknown	ShapiroWilk
Beryllium (mg/l)	NAB-2	No	n/a	n/a	EPA 1989	0.05	28	0.000...	0.0003271	unknown	ShapiroWilk
Beryllium (mg/l)	NAB-3	No	n/a	n/a	EPA 1989	0.05	28	0.000...	0.0003299	unknown	ShapiroWilk
Beryllium (mg/l)	NAB-4	No	n/a	n/a	EPA 1989	0.05	27	0.000627	0.0003401	unknown	ShapiroWilk
Beryllium (mg/l)	NAB-7	No	n/a	n/a	EPA 1989	0.05	28	0.000...	0.0003219	unknown	ShapiroWilk
Beryllium (mg/l)	NAB-8	No	n/a	n/a	EPA 1989	0.05	21	0.000...	0.000721	unknown	ShapiroWilk
Beryllium (mg/l)	SP-7	No	n/a	n/a	EPA 1989	0.05	17	0.004105	0.01518	unknown	ShapiroWilk
Beryllium (mg/l)	SPRINGA	No	n/a	n/a	EPA 1989	0.05	25	0.000538	0.0003111	unknown	ShapiroWilk
Beryllium (mg/l)	SPRINGB	No	n/a	n/a	EPA 1989	0.05	12	0.000...	0.0003423	unknown	ShapiroWilk
Beryllium (mg/l)	TSP-1	No	n/a	n/a	EPA 1989	0.05	10	0.0007	0.0002582	unknown	ShapiroWilk
Beryllium (mg/l)	TSP-2	No	n/a	n/a	EPA 1989	0.05	10	0.000524	0.0002017	unknown	ShapiroWilk
Beryllium (mg/l)	TSP-3	No	n/a	n/a	EPA 1989	0.05	11	0.0004	0.0003578	unknown	ShapiroWilk
Beryllium (mg/l)	TSP-4	No	n/a	n/a	EPA 1989	0.05	5	0.00047	0.0004888	ln(x)	ShapiroWilk
Beryllium (mg/l)	LFENTRANC...	No	n/a	n/a	EPA 1989	0.05	5	0.000176	0.000191	unknown	ShapiroWilk
Beryllium (mg/l)	MW-1R	No	n/a	n/a	EPA 1989	0.05	7	0.0007	0.001464	unknown	ShapiroWilk
Beryllium (mg/l)	NE-2	No	n/a	n/a	EPA 1989	0.05	7	0.000...	0.0002199	unknown	ShapiroWilk
Beryllium (mg/l)	NE-3	No	n/a	n/a	EPA 1989	0.05	7	0.000...	0.0002074	unknown	ShapiroWilk
Beryllium (mg/l)	NE-6	No	n/a	n/a	EPA 1989	0.05	7	0.000...	0.0002089	unknown	ShapiroWilk
Beryllium (mg/l)	CLASSIDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.000...	0.000095	unknown	ShapiroWilk
Beryllium (mg/l)	CLASSIVDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.000085	0.00005	unknown	ShapiroWilk
Beryllium (mg/l)	SP-NE-3	No	n/a	n/a	EPA 1989	0.05	5	0.000084	0.0000...	unknown	ShapiroWilk
Cadmium (mg/l)	MW-4	No	n/a	n/a	EPA 1989	0.05	45	0.001367	0.0007932	unknown	ShapiroWilk
Cadmium (mg/l)	CAO-1	No	n/a	n/a	EPA 1989	0.05	31	0.001659	0.002024	unknown	ShapiroWilk
Cadmium (mg/l)	CAO-2	No	n/a	n/a	EPA 1989	0.05	31	0.001291	0.00133	unknown	ShapiroWilk
Cadmium (mg/l)	CAO-3	No	n/a	n/a	EPA 1989	0.05	31	0.001229	0.001008	unknown	ShapiroWilk
Cadmium (mg/l)	LEACHATE	No	n/a	n/a	EPA 1989	0.05	5	0.000236	0.0001108	normal	ShapiroWilk
Cadmium (mg/l)	MW-1	No	n/a	n/a	EPA 1989	0.05	42	0.001654	0.0009214	unknown	ShapiroWilk

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Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Cadmium (mg/l)	MW-2	No	n/a	n/a	EPA 1989	0.05	45	0.001261	0.0009251	unknown	ShapiroWilk
Cadmium (mg/l)	MW-3	No	n/a	n/a	EPA 1989	0.05	45	0.001827	0.0008674	unknown	ShapiroWilk
Cadmium (mg/l)	MW-5	No	n/a	n/a	EPA 1989	0.05	45	0.001265	0.0009189	unknown	ShapiroWilk
Cadmium (mg/l)	MW-509D	No	n/a	n/a	EPA 1989	0.05	28	0.00743	0.008096	unknown	ShapiroWilk
Cadmium (mg/l)	MW-577	No	n/a	n/a	EPA 1989	0.05	26	0.000...	0.001015	unknown	ShapiroWilk
Cadmium (mg/l)	MW-6	No	n/a	n/a	EPA 1989	0.05	45	0.001224	0.0009032	unknown	ShapiroWilk
Cadmium (mg/l)	MW-633D	No	n/a	n/a	EPA 1989	0.05	28	0.001726	0.0007429	unknown	ShapiroWilk
Cadmium (mg/l)	MW-689D	No	n/a	n/a	EPA 1989	0.05	26	0.000...	0.001062	unknown	ShapiroWilk
Cadmium (mg/l)	MW-7	No	n/a	n/a	EPA 1989	0.05	45	0.001255	0.0009294	unknown	ShapiroWilk
Cadmium (mg/l)	NAB-1	No	n/a	n/a	EPA 1989	0.05	24	0.001572	0.001391	unknown	ShapiroWilk
Cadmium (mg/l)	NAB-2	No	n/a	n/a	EPA 1989	0.05	28	0.001202	0.001147	unknown	ShapiroWilk
Cadmium (mg/l)	NAB-3	No	n/a	n/a	EPA 1989	0.05	28	0.001424	0.00108	unknown	ShapiroWilk
Cadmium (mg/l)	NAB-4	No	n/a	n/a	EPA 1989	0.05	27	0.002088	0.0008482	normal	ShapiroWilk
Cadmium (mg/l)	NAB-7	No	n/a	n/a	EPA 1989	0.05	28	0.001075	0.00109	unknown	ShapiroWilk
Cadmium (mg/l)	NAB-8	No	n/a	n/a	EPA 1989	0.05	21	0.001383	0.001607	unknown	ShapiroWilk
Cadmium (mg/l)	SP-7	No	n/a	n/a	EPA 1989	0.05	17	0.000...	0.0009077	unknown	ShapiroWilk
Cadmium (mg/l)	SPRINGA	No	n/a	n/a	EPA 1989	0.05	25	0.001084	0.0009947	unknown	ShapiroWilk
Cadmium (mg/l)	SPRINGB	No	n/a	n/a	EPA 1989	0.05	12	0.00059	0.0009006	unknown	ShapiroWilk
Cadmium (mg/l)	TSP-1	No	n/a	n/a	EPA 1989	0.05	10	0.001242	0.001094	unknown	ShapiroWilk
Cadmium (mg/l)	TSP-2	No	n/a	n/a	EPA 1989	0.05	10	0.000724	0.0008372	unknown	ShapiroWilk
Cadmium (mg/l)	TSP-3	No	n/a	n/a	EPA 1989	0.05	11	0.000...	0.001092	unknown	ShapiroWilk
Cadmium (mg/l)	TSP-4	No	n/a	n/a	EPA 1989	0.05	5	0.00122	0.00122	normal	ShapiroWilk
Cadmium (mg/l)	LFENTRANC...	No	n/a	n/a	EPA 1989	0.05	5	0.000152	0.0000...	unknown	ShapiroWilk
Cadmium (mg/l)	MW-1R	No	n/a	n/a	EPA 1989	0.05	7	0.006181	0.01323	ln(x)	ShapiroWilk
Cadmium (mg/l)	NE-2	No	n/a	n/a	EPA 1989	0.05	7	0.000...	0.0002375	unknown	ShapiroWilk
Cadmium (mg/l)	NE-3	No	n/a	n/a	EPA 1989	0.05	7	0.0004	0.0005388	unknown	ShapiroWilk
Cadmium (mg/l)	NE-6	No	n/a	n/a	EPA 1989	0.05	7	0.00028	0.0002982	unknown	ShapiroWilk
Cadmium (mg/l)	CLASSIDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.000...	0.0004354	ln(x)	ShapiroWilk
Cadmium (mg/l)	CLASSIVDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.00141	0.001421	normal	ShapiroWilk
Cadmium (mg/l)	SP-NE-3	No	n/a	n/a	EPA 1989	0.05	5	0.00012	0.0000...	unknown	ShapiroWilk
Chloride (mg/l)	MW-4	No	n/a	n/a	EPA 1989	0.05	44	4.505	1.72	ln(x)	ShapiroWilk
Chloride (mg/l)	CAO-1	No	n/a	n/a	EPA 1989	0.05	30	38.61	28.46	unknown	ShapiroWilk
Chloride (mg/l)	**CAO-2**	**Yes**	**2.1,64,58.1**	**5/20/2009...**	**EPA 1989**	**0.05**	**30**	**21.08**	**12.23**	**normal**	**ShapiroWilk**
Chloride (mg/l)	CAO-3	No	n/a	n/a	EPA 1989	0.05	30	6.833	5.443	unknown	ShapiroWilk
Chloride (mg/l)	LEACHATE	No	n/a	n/a	EPA 1989	0.05	4	809.5	93.67	normal	ShapiroWilk
Chloride (mg/l)	MW-1	No	n/a	n/a	EPA 1989	0.05	41	15.38	25.92	unknown	ShapiroWilk
Chloride (mg/l)	MW-2	No	n/a	n/a	EPA 1989	0.05	44	6.666	3.764	unknown	ShapiroWilk
Chloride (mg/l)	MW-3	No	n/a	n/a	EPA 1989	0.05	44	7.164	2.767	ln(x)	ShapiroWilk
Chloride (mg/l)	MW-5	No	n/a	n/a	EPA 1989	0.05	44	4.176	0.9256	unknown	ShapiroWilk
Chloride (mg/l)	MW-509D	No	n/a	n/a	EPA 1989	0.05	27	4.11	1.297	normal	ShapiroWilk
Chloride (mg/l)	**MW-577**	**Yes**	**8.45,6.3,5.1**	**9/16/2015...**	**EPA 1989**	**0.05**	**25**	**2.241**	**1.758**	**normal**	**ShapiroWilk**
Chloride (mg/l)	MW-6	No	n/a	n/a	EPA 1989	0.05	44	7.816	3.272	unknown	ShapiroWilk
Chloride (mg/l)	MW-633D	No	n/a	n/a	EPA 1989	0.05	27	6.127	1.828	unknown	ShapiroWilk
Chloride (mg/l)	MW-689D	No	n/a	n/a	EPA 1989	0.05	25	2.87	1.307	ln(x)	ShapiroWilk
Chloride (mg/l)	MW-7	No	n/a	n/a	EPA 1989	0.05	44	3.923	2.295	unknown	ShapiroWilk
Chloride (mg/l)	NAB-1	No	n/a	n/a	EPA 1989	0.05	23	3.213	0.9938	normal	ShapiroWilk
Chloride (mg/l)	NAB-2	No	n/a	n/a	EPA 1989	0.05	27	2.789	1.079	unknown	ShapiroWilk
Chloride (mg/l)	NAB-3	No	n/a	n/a	EPA 1989	0.05	27	3.26	1.005	normal	ShapiroWilk
Chloride (mg/l)	NAB-4	No	n/a	n/a	EPA 1989	0.05	26	3.833	0.5659	normal	ShapiroWilk
Chloride (mg/l)	**NAB-7**	**Yes**	**6.7**	**3/10/2015**	**EPA 1989**	**0.05**	**27**	**2.574**	**1.108**	**normal**	**ShapiroWilk**

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Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Chloride (mg/l)	NAB-8	No	n/a	n/a	EPA 1989	0.05	20	1.779	0.2723	normal	ShapiroWilk
Chloride (mg/l)	SP-7	No	n/a	n/a	EPA 1989	0.05	16	9.231	4.559	normal	ShapiroWilk
Chloride (mg/l)	SPRINGA	No	n/a	n/a	EPA 1989	0.05	24	2.97	1.202	normal	ShapiroWilk
Chloride (mg/l)	SPRINGB	No	n/a	n/a	EPA 1989	0.05	11	49.18	42	ln(x)	ShapiroWilk
Chloride (mg/l)	TSP-1	No	n/a	n/a	EPA 1989	0.05	10	5.01	1.323	normal	ShapiroWilk
Chloride (mg/l)	**TSP-2**	**Yes**	**14**	**9/19/2012**	**EPA 1989**	**0.05**	**10**	**5.79**	**3.172**	**normal**	**ShapiroWilk**
Chloride (mg/l)	TSP-3	No	n/a	n/a	EPA 1989	0.05	10	5.68	2.136	ln(x)	ShapiroWilk
Chloride (mg/l)	TSP-4	No	n/a	n/a	EPA 1989	0.05	4	3.73	3.027	ln(x)	ShapiroWilk
Chloride (mg/l)	LFENTRANC...	No	n/a	n/a	EPA 1989	0.05	4	13.1	1.219	normal	ShapiroWilk
Chloride (mg/l)	MW-1R	No	n/a	n/a	EPA 1989	0.05	6	88	36.27	normal	ShapiroWilk
Chloride (mg/l)	NE-2	No	n/a	n/a	EPA 1989	0.05	6	43.58	14.75	normal	ShapiroWilk
Chloride (mg/l)	NE-3	No	n/a	n/a	EPA 1989	0.05	6	4.662	2.104	unknown	ShapiroWilk
Chloride (mg/l)	NE-6	No	n/a	n/a	EPA 1989	0.05	6	2.142	0.1532	normal	ShapiroWilk
Chloride (mg/l)	SP-NE-3	No	n/a	n/a	EPA 1989	0.05	4	10.03	7.134	normal	ShapiroWilk
Chromium (mg/l)	MW-4	No	n/a	n/a	EPA 1989	0.05	45	0.004941	0.004433	unknown	ShapiroWilk
Chromium (mg/l)	CAO-1	No	n/a	n/a	EPA 1989	0.05	31	0.005341	0.006655	unknown	ShapiroWilk
Chromium (mg/l)	CAO-2	No	n/a	n/a	EPA 1989	0.05	31	0.005693	0.008736	unknown	ShapiroWilk
Chromium (mg/l)	CAO-3	No	n/a	n/a	EPA 1989	0.05	31	0.004136	0.001749	unknown	ShapiroWilk
Chromium (mg/l)	LEACHATE	No	n/a	n/a	EPA 1989	0.05	5	0.004642	0.001102	unknown	ShapiroWilk
Chromium (mg/l)	MW-1	No	n/a	n/a	EPA 1989	0.05	42	0.004444	0.001353	unknown	ShapiroWilk
Chromium (mg/l)	MW-2	No	n/a	n/a	EPA 1989	0.05	45	0.004151	0.001742	unknown	ShapiroWilk
Chromium (mg/l)	MW-3	No	n/a	n/a	EPA 1989	0.05	45	0.004277	0.001599	unknown	ShapiroWilk
Chromium (mg/l)	MW-5	No	n/a	n/a	EPA 1989	0.05	45	0.004307	0.001592	unknown	ShapiroWilk
Chromium (mg/l)	MW-509D	No	n/a	n/a	EPA 1989	0.05	28	0.007866	0.008409	unknown	ShapiroWilk
Chromium (mg/l)	MW-577	No	n/a	n/a	EPA 1989	0.05	26	0.004121	0.00173	unknown	ShapiroWilk
Chromium (mg/l)	MW-6	No	n/a	n/a	EPA 1989	0.05	45	0.004262	0.001649	unknown	ShapiroWilk
Chromium (mg/l)	MW-633D	No	n/a	n/a	EPA 1989	0.05	28	0.004276	0.001641	unknown	ShapiroWilk
Chromium (mg/l)	MW-689D	No	n/a	n/a	EPA 1989	0.05	26	0.006202	0.005748	unknown	ShapiroWilk
Chromium (mg/l)	MW-7	No	n/a	n/a	EPA 1989	0.05	45	0.004293	0.001669	unknown	ShapiroWilk
Chromium (mg/l)	NAB-1	No	n/a	n/a	EPA 1989	0.05	24	0.00465	0.001095	unknown	ShapiroWilk
Chromium (mg/l)	NAB-2	No	n/a	n/a	EPA 1989	0.05	28	0.004423	0.00208	unknown	ShapiroWilk
Chromium (mg/l)	NAB-3	No	n/a	n/a	EPA 1989	0.05	28	0.004337	0.002165	unknown	ShapiroWilk
Chromium (mg/l)	NAB-4	No	n/a	n/a	EPA 1989	0.05	27	0.007194	0.01507	unknown	ShapiroWilk
Chromium (mg/l)	NAB-7	No	n/a	n/a	EPA 1989	0.05	28	0.004259	0.001651	unknown	ShapiroWilk
Chromium (mg/l)	NAB-8	No	n/a	n/a	EPA 1989	0.05	21	0.00843	0.01434	unknown	ShapiroWilk
Chromium (mg/l)	SP-7	No	n/a	n/a	EPA 1989	0.05	17	0.003938	0.001977	unknown	ShapiroWilk
Chromium (mg/l)	SPRINGA	No	n/a	n/a	EPA 1989	0.05	25	0.004278	0.001692	unknown	ShapiroWilk
Chromium (mg/l)	SPRINGB	No	n/a	n/a	EPA 1989	0.05	12	0.00337	0.002176	unknown	ShapiroWilk
Chromium (mg/l)	TSP-1	No	n/a	n/a	EPA 1989	0.05	10	0.00468	0.001012	unknown	ShapiroWilk
Chromium (mg/l)	TSP-2	No	n/a	n/a	EPA 1989	0.05	10	0.00488	0.001303	unknown	ShapiroWilk
Chromium (mg/l)	TSP-3	No	n/a	n/a	EPA 1989	0.05	11	0.00314	0.002223	unknown	ShapiroWilk
Chromium (mg/l)	TSP-4	No	n/a	n/a	EPA 1989	0.05	5	0.003194	0.002478	unknown	ShapiroWilk
Chromium (mg/l)	LFENTRANC...	No	n/a	n/a	EPA 1989	0.05	5	0.002514	0.002357	normal	ShapiroWilk
Chromium (mg/l)	MW-1R	No	n/a	n/a	EPA 1989	0.05	7	0.01144	0.0237	ln(x)	ShapiroWilk
Chromium (mg/l)	NE-2	No	n/a	n/a	EPA 1989	0.05	7	0.003991	0.00571	ln(x)	ShapiroWilk
Chromium (mg/l)	NE-3	No	n/a	n/a	EPA 1989	0.05	7	0.009829	0.01798	ln(x)	ShapiroWilk
Chromium (mg/l)	NE-6	No	n/a	n/a	EPA 1989	0.05	7	0.00296	0.002278	unknown	ShapiroWilk
Chromium (mg/l)	CLASSIDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.001142	0.0007962	normal	ShapiroWilk
Chromium (mg/l)	CLASSIVDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.00156	0.002302	ln(x)	ShapiroWilk
Chromium (mg/l)	SP-NE-3	No	n/a	n/a	EPA 1989	0.05	5	0.002072	0.002133	normal	ShapiroWilk

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Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Cobalt (mg/l)	MW-4	No	n/a	n/a	EPA 1989	0.05	45	0.007724	0.007603	unknown	ShapiroWilk
Cobalt (mg/l)	CAO-1	No	n/a	n/a	EPA 1989	0.05	31	0.05013	0.02218	normal	ShapiroWilk
Cobalt (mg/l)	CAO-2	No	n/a	n/a	EPA 1989	0.05	31	0.01024	0.01967	unknown	ShapiroWilk
Cobalt (mg/l)	CAO-3	No	n/a	n/a	EPA 1989	0.05	31	0.008825	0.01779	unknown	ShapiroWilk
Cobalt (mg/l)	LEACHATE	No	n/a	n/a	EPA 1989	0.05	5	0.005028	0.0005522	normal	ShapiroWilk
Cobalt (mg/l)	MW-1	No	n/a	n/a	EPA 1989	0.05	42	0.0226	0.02482	unknown	ShapiroWilk
Cobalt (mg/l)	MW-2	No	n/a	n/a	EPA 1989	0.05	45	0.007652	0.007644	unknown	ShapiroWilk
Cobalt (mg/l)	MW-3	No	n/a	n/a	EPA 1989	0.05	45	0.008085	0.007445	unknown	ShapiroWilk
Cobalt (mg/l)	MW-5	No	n/a	n/a	EPA 1989	0.05	45	0.007664	0.007635	unknown	ShapiroWilk
Cobalt (mg/l)	MW-509D	No	n/a	n/a	EPA 1989	0.05	28	0.004852	0.002859	unknown	ShapiroWilk
Cobalt (mg/l)	MW-577	No	n/a	n/a	EPA 1989	0.05	26	0.004329	0.001617	unknown	ShapiroWilk
Cobalt (mg/l)	MW-6	No	n/a	n/a	EPA 1989	0.05	45	0.007724	0.007603	unknown	ShapiroWilk
Cobalt (mg/l)	MW-633D	No	n/a	n/a	EPA 1989	0.05	28	0.004245	0.001665	unknown	ShapiroWilk
Cobalt (mg/l)	MW-689D	No	n/a	n/a	EPA 1989	0.05	26	0.003806	0.001765	unknown	ShapiroWilk
Cobalt (mg/l)	MW-7	No	n/a	n/a	EPA 1989	0.05	45	0.008012	0.007688	unknown	ShapiroWilk
Cobalt (mg/l)	NAB-1	No	n/a	n/a	EPA 1989	0.05	24	0.004808	0.000673	unknown	ShapiroWilk
Cobalt (mg/l)	NAB-2	No	n/a	n/a	EPA 1989	0.05	28	0.004281	0.001609	unknown	ShapiroWilk
Cobalt (mg/l)	NAB-3	No	n/a	n/a	EPA 1989	0.05	28	0.004159	0.00163	unknown	ShapiroWilk
Cobalt (mg/l)	NAB-4	No	n/a	n/a	EPA 1989	0.05	27	0.004139	0.001686	unknown	ShapiroWilk
Cobalt (mg/l)	NAB-7	No	n/a	n/a	EPA 1989	0.05	28	0.005163	0.006279	unknown	ShapiroWilk
Cobalt (mg/l)	NAB-8	No	n/a	n/a	EPA 1989	0.05	21	0.004884	0.003885	unknown	ShapiroWilk
Cobalt (mg/l)	SP-7	No	n/a	n/a	EPA 1989	0.05	17	0.003668	0.001955	unknown	ShapiroWilk
Cobalt (mg/l)	SPRINGA	No	n/a	n/a	EPA 1989	0.05	25	0.004302	0.001645	unknown	ShapiroWilk
Cobalt (mg/l)	SPRINGB	No	n/a	n/a	EPA 1989	0.05	12	0.003988	0.003493	unknown	ShapiroWilk
Cobalt (mg/l)	TSP-1	No	n/a	n/a	EPA 1989	0.05	10	0.00471	0.0009171	unknown	ShapiroWilk
Cobalt (mg/l)	TSP-2	No	n/a	n/a	EPA 1989	0.05	10	0.00486	0.0007975	normal	ShapiroWilk
Cobalt (mg/l)	TSP-3	No	n/a	n/a	EPA 1989	0.05	11	0.003503	0.001935	unknown	ShapiroWilk
Cobalt (mg/l)	TSP-4	No	n/a	n/a	EPA 1989	0.05	5	0.003256	0.002415	unknown	ShapiroWilk
Cobalt (mg/l)	LFENTRANC...	No	n/a	n/a	EPA 1989	0.05	5	0.004156	0.003716	normal	ShapiroWilk
Cobalt (mg/l)	MW-1R	No	n/a	n/a	EPA 1989	0.05	7	0.09329	0.03721	normal	ShapiroWilk
Cobalt (mg/l)	NE-2	No	n/a	n/a	EPA 1989	0.05	7	0.002827	0.002077	unknown	ShapiroWilk
Cobalt (mg/l)	NE-3	No	n/a	n/a	EPA 1989	0.05	7	0.003784	0.004096	ln(x)	ShapiroWilk
Cobalt (mg/l)	NE-6	No	n/a	n/a	EPA 1989	0.05	7	0.002509	0.002367	unknown	ShapiroWilk
Cobalt (mg/l)	CLASSIDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.001602	0.002315	ln(x)	ShapiroWilk
Cobalt (mg/l)	CLASSIVDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.003057	0.002849	normal	ShapiroWilk
Cobalt (mg/l)	SP-NE-3	No	n/a	n/a	EPA 1989	0.05	5	0.001512	0.002015	ln(x)	ShapiroWilk
Copper (mg/l)	MW-4	No	n/a	n/a	EPA 1989	0.05	45	0.00352	0.003621	unknown	ShapiroWilk
Copper (mg/l)	CAO-1	No	n/a	n/a	EPA 1989	0.05	31	0.004557	0.00411	unknown	ShapiroWilk
Copper (mg/l)	CAO-2	No	n/a	n/a	EPA 1989	0.05	31	0.004906	0.006218	unknown	ShapiroWilk
Copper (mg/l)	CAO-3	No	n/a	n/a	EPA 1989	0.05	31	0.004641	0.004372	unknown	ShapiroWilk
Copper (mg/l)	LEACHATE	No	n/a	n/a	EPA 1989	0.05	5	0.003312	0.002515	normal	ShapiroWilk
Copper (mg/l)	MW-1	No	n/a	n/a	EPA 1989	0.05	42	0.00377	0.003672	unknown	ShapiroWilk
Copper (mg/l)	MW-2	No	n/a	n/a	EPA 1989	0.05	45	0.003579	0.003488	unknown	ShapiroWilk
Copper (mg/l)	MW-3	No	n/a	n/a	EPA 1989	0.05	45	0.003507	0.003632	unknown	ShapiroWilk
Copper (mg/l)	MW-5	No	n/a	n/a	EPA 1989	0.05	45	0.003503	0.003632	unknown	ShapiroWilk
Copper (mg/l)	MW-509D	No	n/a	n/a	EPA 1989	0.05	28	0.009605	0.01163	unknown	ShapiroWilk
Copper (mg/l)	MW-577	No	n/a	n/a	EPA 1989	0.05	26	0.003988	0.004389	unknown	ShapiroWilk
Copper (mg/l)	MW-6	No	n/a	n/a	EPA 1989	0.05	45	0.003621	0.00359	unknown	ShapiroWilk
Copper (mg/l)	MW-633D	No	n/a	n/a	EPA 1989	0.05	28	0.004147	0.004481	unknown	ShapiroWilk
Copper (mg/l)	MW-689D	No	n/a	n/a	EPA 1989	0.05	26	0.006144	0.006648	unknown	ShapiroWilk

Outlier Analysis

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Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Copper (mg/l)	MW-7	No	n/a	n/a	EPA 1989	0.05	45	0.003406	0.003488	unknown	ShapiroWilk
Copper (mg/l)	NAB-1	No	n/a	n/a	EPA 1989	0.05	24	0.005193	0.004262	unknown	ShapiroWilk
Copper (mg/l)	NAB-2	No	n/a	n/a	EPA 1989	0.05	28	0.004187	0.004452	unknown	ShapiroWilk
Copper (mg/l)	NAB-3	No	n/a	n/a	EPA 1989	0.05	28	0.004509	0.004286	unknown	ShapiroWilk
Copper (mg/l)	NAB-4	No	n/a	n/a	EPA 1989	0.05	27	0.00441	0.004261	unknown	ShapiroWilk
Copper (mg/l)	NAB-7	No	n/a	n/a	EPA 1989	0.05	28	0.004081	0.004512	unknown	ShapiroWilk
Copper (mg/l)	NAB-8	No	n/a	n/a	EPA 1989	0.05	21	0.007088	0.0116	unknown	ShapiroWilk
Copper (mg/l)	SP-7	No	n/a	n/a	EPA 1989	0.05	17	0.002559	0.003589	unknown	ShapiroWilk
Copper (mg/l)	SPRINGA	No	n/a	n/a	EPA 1989	0.05	25	0.003154	0.004026	unknown	ShapiroWilk
Copper (mg/l)	SPRINGB	No	n/a	n/a	EPA 1989	0.05	12	0.00247	0.003615	unknown	ShapiroWilk
Copper (mg/l)	TSP-1	No	n/a	n/a	EPA 1989	0.05	10	0.004908	0.00447	unknown	ShapiroWilk
Copper (mg/l)	TSP-2	No	n/a	n/a	EPA 1989	0.05	10	0.002803	0.002868	ln(x)	ShapiroWilk
Copper (mg/l)	TSP-3	No	n/a	n/a	EPA 1989	0.05	11	0.00261	0.003861	unknown	ShapiroWilk
Copper (mg/l)	TSP-4	No	n/a	n/a	EPA 1989	0.05	5	0.004424	0.005119	ln(x)	ShapiroWilk
Copper (mg/l)	LFENTRANC...	No	n/a	n/a	EPA 1989	0.05	5	0.001904	0.002622	ln(x)	ShapiroWilk
Copper (mg/l)	MW-1R	No	n/a	n/a	EPA 1989	0.05	7	0.01068	0.02661	unknown	ShapiroWilk
Copper (mg/l)	NE-2	No	n/a	n/a	EPA 1989	0.05	7	0.002677	0.0034	unknown	ShapiroWilk
Copper (mg/l)	NE-3	No	n/a	n/a	EPA 1989	0.05	7	0.0031	0.007017	unknown	ShapiroWilk
Copper (mg/l)	NE-6	No	n/a	n/a	EPA 1989	0.05	7	0.000...	0.0008302	unknown	ShapiroWilk
Copper (mg/l)	CLASSIDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.000895	0.00127	unknown	ShapiroWilk
Copper (mg/l)	CLASSIVDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.00082	0.00112	unknown	ShapiroWilk
Copper (mg/l)	SP-NE-3	No	n/a	n/a	EPA 1989	0.05	5	0.000322	0.0001386	unknown	ShapiroWilk
Dissolved Solids (mg/l)	MW-4	No	n/a	n/a	EPA 1989	0.05	45	330.3	31.91	unknown	ShapiroWilk
Dissolved Solids (mg/l)	**CAO-1**	**Yes**	**120**	**2/20/2009**	**EPA 1989**	**0.05**	**31**	**641.9**	**151.1**	**normal**	**ShapiroWilk**
Dissolved Solids (mg/l)	**CAO-2**	**Yes**	**770**	**2/7/2007**	**EPA 1989**	**0.05**	**31**	**431.8**	**77.68**	**normal**	**ShapiroWilk**
Dissolved Solids (mg/l)	CAO-3	No	n/a	n/a	EPA 1989	0.05	31	365.5	92.04	unknown	ShapiroWilk
Dissolved Solids (mg/l)	LEACHATE	No	n/a	n/a	EPA 1989	0.05	5	2020	258.8	normal	ShapiroWilk
Dissolved Solids (mg/l)	MW-1	No	n/a	n/a	EPA 1989	0.05	42	583.3	193	unknown	ShapiroWilk
Dissolved Solids (mg/l)	**MW-2**	**Yes**	**210,220,250**	**6/17/2010...**	**EPA 1989**	**0.05**	**45**	**345.2**	**45.25**	**normal**	**ShapiroWilk**
Dissolved Solids (mg/l)	**MW-3**	**Yes**	**787,252**	**10/29/200...**	**EPA 1989**	**0.05**	**45**	**453.2**	**86.91**	**normal**	**ShapiroWilk**
Dissolved Solids (mg/l)	MW-5	No	n/a	n/a	EPA 1989	0.05	45	370.7	32.52	normal	ShapiroWilk
Dissolved Solids (mg/l)	MW-509D	No	n/a	n/a	EPA 1989	0.05	28	354.4	59.93	ln(x)	ShapiroWilk
Dissolved Solids (mg/l)	MW-577	No	n/a	n/a	EPA 1989	0.05	26	460	33.06	normal	ShapiroWilk
Dissolved Solids (mg/l)	**MW-6**	**Yes**	**330,340,460**	**11/18/200...**	**EPA 1989**	**0.05**	**45**	**397.9**	**22.32**	**ln(x)**	**ShapiroWilk**
Dissolved Solids (mg/l)	MW-633D	No	n/a	n/a	EPA 1989	0.05	28	405.6	24.04	normal	ShapiroWilk
Dissolved Solids (mg/l)	**MW-689D**	**Yes**	**180,200,2...**	**2/7/2007,...**	**EPA 1989**	**0.05**	**26**	**354.7**	**68.08**	**normal**	**ShapiroWilk**
Dissolved Solids (mg/l)	MW-7	No	n/a	n/a	EPA 1989	0.05	45	325.2	26.32	normal	ShapiroWilk
Dissolved Solids (mg/l)	NAB-1	No	n/a	n/a	EPA 1989	0.05	24	391.3	28.64	normal	ShapiroWilk
Dissolved Solids (mg/l)	NAB-2	No	n/a	n/a	EPA 1989	0.05	28	388.4	30.89	unknown	ShapiroWilk
Dissolved Solids (mg/l)	**NAB-3**	**Yes**	**250**	**7/25/2006**	**EPA 1989**	**0.05**	**28**	**380.3**	**48.05**	**normal**	**ShapiroWilk**
Dissolved Solids (mg/l)	NAB-4	No	n/a	n/a	EPA 1989	0.05	27	410.4	42.41	normal	ShapiroWilk
Dissolved Solids (mg/l)	NAB-7	No	n/a	n/a	EPA 1989	0.05	28	349.5	26.64	normal	ShapiroWilk
Dissolved Solids (mg/l)	NAB-8	No	n/a	n/a	EPA 1989	0.05	21	347.6	19.39	normal	ShapiroWilk
Dissolved Solids (mg/l)	**SP-7**	**Yes**	**420**	**12/18/2009**	**EPA 1989**	**0.05**	**17**	**250.1**	**57.36**	**normal**	**ShapiroWilk**
Dissolved Solids (mg/l)	SPRINGA	No	n/a	n/a	EPA 1989	0.05	25	308.3	57.37	unknown	ShapiroWilk
Dissolved Solids (mg/l)	**SPRINGB**	**Yes**	**230**	**3/23/2010**	**EPA 1989**	**0.05**	**12**	**518.8**	**134**	**normal**	**ShapiroWilk**
Dissolved Solids (mg/l)	TSP-1	No	n/a	n/a	EPA 1989	0.05	10	362	38.53	normal	ShapiroWilk
Dissolved Solids (mg/l)	TSP-2	No	n/a	n/a	EPA 1989	0.05	10	335	53.59	normal	ShapiroWilk
Dissolved Solids (mg/l)	**TSP-3**	**Yes**	**170**	**3/23/2010**	**EPA 1989**	**0.05**	**11**	**346.2**	**80.22**	**normal**	**ShapiroWilk**
Dissolved Solids (mg/l)	TSP-4	No	n/a	n/a	EPA 1989	0.05	5	291.4	40.56	normal	ShapiroWilk

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Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Dissolved Solids (mg/l)	**LFENTRANC...**	**Yes**	**206**	**12/16/2015**	**EPA 1989**	**0.05**	**5**	**288.2**	**46.54**	**normal**	**ShapiroWilk**
Dissolved Solids (mg/l)	MW-1R	No	n/a	n/a	EPA 1989	0.05	7	873.7	84.04	normal	ShapiroWilk
Dissolved Solids (mg/l)	NE-2	No	n/a	n/a	EPA 1989	0.05	7	2700	496	normal	ShapiroWilk
Dissolved Solids (mg/l)	NE-3	No	n/a	n/a	EPA 1989	0.05	7	343.9	16.7	normal	ShapiroWilk
Dissolved Solids (mg/l)	NE-6	No	n/a	n/a	EPA 1989	0.05	7	403	25.11	normal	ShapiroWilk
Dissolved Solids (mg/l)	CLASSIDRAW	No	n/a	n/a	EPA 1989	0.05	4	267.3	70.69	normal	ShapiroWilk
Dissolved Solids (mg/l)	CLASSIVDRAW	No	n/a	n/a	EPA 1989	0.05	4	340.5	72.65	normal	ShapiroWilk
Dissolved Solids (mg/l)	SP-NE-3	No	n/a	n/a	EPA 1989	0.05	5	246.6	67.95	normal	ShapiroWilk
Iron (mg/l)	MW-4	No	n/a	n/a	EPA 1989	0.05	45	0.07158	0.149	unknown	ShapiroWilk
Iron (mg/l)	**CAO-1**	**Yes**	**1,4.5**	**2/20/2009...**	**EPA 1989**	**0.05**	**31**	**24.89**	**9.89**	**normal**	**ShapiroWilk**
Iron (mg/l)	CAO-2	No	n/a	n/a	EPA 1989	0.05	31	3.001	8.57	unknown	ShapiroWilk
Iron (mg/l)	CAO-3	No	n/a	n/a	EPA 1989	0.05	31	0.6599	1.193	ln(x)	ShapiroWilk
Iron (mg/l)	LEACHATE	No	n/a	n/a	EPA 1989	0.05	5	24.48	16.03	normal	ShapiroWilk
Iron (mg/l)	MW-1	No	n/a	n/a	EPA 1989	0.05	42	0.6663	1.48	unknown	ShapiroWilk
Iron (mg/l)	MW-2	No	n/a	n/a	EPA 1989	0.05	45	0.05633	0.0734	unknown	ShapiroWilk
Iron (mg/l)	MW-3	No	n/a	n/a	EPA 1989	0.05	45	0.2879	0.849	unknown	ShapiroWilk
Iron (mg/l)	MW-5	No	n/a	n/a	EPA 1989	0.05	45	0.05056	0.05116	unknown	ShapiroWilk
Iron (mg/l)	MW-509D	No	n/a	n/a	EPA 1989	0.05	28	4.958	9.047	unknown	ShapiroWilk
Iron (mg/l)	**MW-577**	**Yes**	**0.0075**	**9/16/2015**	**EPA 1989**	**0.05**	**26**	**0.4964**	**0.7766**	**ln(x)**	**ShapiroWilk**
Iron (mg/l)	MW-6	No	n/a	n/a	EPA 1989	0.05	45	0.04249	0.03529	unknown	ShapiroWilk
Iron (mg/l)	MW-633D	No	n/a	n/a	EPA 1989	0.05	28	0.2836	0.4134	unknown	ShapiroWilk
Iron (mg/l)	MW-689D	No	n/a	n/a	EPA 1989	0.05	26	2.846	5.433	unknown	ShapiroWilk
Iron (mg/l)	MW-7	No	n/a	n/a	EPA 1989	0.05	45	0.09982	0.1166	unknown	ShapiroWilk
Iron (mg/l)	NAB-1	No	n/a	n/a	EPA 1989	0.05	24	0.3978	0.5736	unknown	ShapiroWilk
Iron (mg/l)	NAB-2	No	n/a	n/a	EPA 1989	0.05	28	0.3698	0.5758	ln(x)	ShapiroWilk
Iron (mg/l)	NAB-3	No	n/a	n/a	EPA 1989	0.05	28	0.2548	0.3687	unknown	ShapiroWilk
Iron (mg/l)	NAB-4	No	n/a	n/a	EPA 1989	0.05	27	0.298	0.3967	unknown	ShapiroWilk
Iron (mg/l)	NAB-7	No	n/a	n/a	EPA 1989	0.05	28	0.7924	1.97	unknown	ShapiroWilk
Iron (mg/l)	**NAB-8**	**Yes**	**48**	**12/7/2010**	**EPA 1989**	**0.05**	**21**	**2.668**	**10.41**	**ln(x)**	**ShapiroWilk**
Iron (mg/l)	SP-7	No	n/a	n/a	EPA 1989	0.05	17	2.712	1.689	ln(x)	ShapiroWilk
Iron (mg/l)	SPRINGA	No	n/a	n/a	EPA 1989	0.05	25	0.5656	0.8049	ln(x)	ShapiroWilk
Iron (mg/l)	SPRINGB	No	n/a	n/a	EPA 1989	0.05	12	0.9159	1.344	ln(x)	ShapiroWilk
Iron (mg/l)	TSP-1	No	n/a	n/a	EPA 1989	0.05	10	0.863	1.022	ln(x)	ShapiroWilk
Iron (mg/l)	TSP-2	No	n/a	n/a	EPA 1989	0.05	10	2.392	2.477	ln(x)	ShapiroWilk
Iron (mg/l)	TSP-3	No	n/a	n/a	EPA 1989	0.05	11	0.2521	0.4618	ln(x)	ShapiroWilk
Iron (mg/l)	TSP-4	No	n/a	n/a	EPA 1989	0.05	5	0.2429	0.4796	ln(x)	ShapiroWilk
Iron (mg/l)	LFENTRANC...	No	n/a	n/a	EPA 1989	0.05	5	4.966	3.896	normal	ShapiroWilk
Iron (mg/l)	**MW-1R**	**Yes**	**0.21,62**	**9/20/2012...**	**EPA 1989**	**0.05**	**7**	**16.99**	**20.42**	**normal**	**ShapiroWilk**
Iron (mg/l)	NE-2	No	n/a	n/a	EPA 1989	0.05	7	6.158	5.317	normal	ShapiroWilk
Iron (mg/l)	NE-3	No	n/a	n/a	EPA 1989	0.05	7	2.608	5.051	ln(x)	ShapiroWilk
Iron (mg/l)	NE-6	No	n/a	n/a	EPA 1989	0.05	7	0.6841	1.156	unknown	ShapiroWilk
Iron (mg/l)	CLASSIDRAW	No	n/a	n/a	EPA 1989	0.05	4	15.55	23.83	ln(x)	ShapiroWilk
Iron (mg/l)	CLASSIVDRAW	No	n/a	n/a	EPA 1989	0.05	4	1.529	1.676	normal	ShapiroWilk
Iron (mg/l)	SP-NE-3	No	n/a	n/a	EPA 1989	0.05	5	1.521	1.297	ln(x)	ShapiroWilk
Lead (mg/l)	MW-4	No	n/a	n/a	EPA 1989	0.05	45	0.001844	0.001426	unknown	ShapiroWilk
Lead (mg/l)	CAO-1	No	n/a	n/a	EPA 1989	0.05	31	0.004144	0.005981	ln(x)	ShapiroWilk
Lead (mg/l)	CAO-2	No	n/a	n/a	EPA 1989	0.05	31	0.01175	0.03787	unknown	ShapiroWilk
Lead (mg/l)	CAO-3	No	n/a	n/a	EPA 1989	0.05	31	0.004163	0.007234	ln(x)	ShapiroWilk
Lead (mg/l)	LEACHATE	No	n/a	n/a	EPA 1989	0.05	5	0.000544	0.0003141	normal	ShapiroWilk
Lead (mg/l)	MW-1	No	n/a	n/a	EPA 1989	0.05	42	0.002086	0.001487	unknown	ShapiroWilk

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Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Lead (mg/l)	MW-2	No	n/a	n/a	EPA 1989	0.05	45	0.002106	0.001728	unknown	ShapiroWilk
Lead (mg/l)	MW-3	No	n/a	n/a	EPA 1989	0.05	45	0.002016	0.001913	unknown	ShapiroWilk
Lead (mg/l)	MW-5	No	n/a	n/a	EPA 1989	0.05	45	0.001901	0.0017	unknown	ShapiroWilk
Lead (mg/l)	MW-509D	No	n/a	n/a	EPA 1989	0.05	28	0.01891	0.03635	unknown	ShapiroWilk
Lead (mg/l)	MW-577	No	n/a	n/a	EPA 1989	0.05	26	0.003026	0.004395	ln(x)	ShapiroWilk
Lead (mg/l)	MW-6	No	n/a	n/a	EPA 1989	0.05	45	0.001951	0.00165	unknown	ShapiroWilk
Lead (mg/l)	MW-633D	No	n/a	n/a	EPA 1989	0.05	28	0.002894	0.005844	unknown	ShapiroWilk
Lead (mg/l)	MW-689D	No	n/a	n/a	EPA 1989	0.05	26	0.01551	0.02809	ln(x)	ShapiroWilk
Lead (mg/l)	MW-7	No	n/a	n/a	EPA 1989	0.05	45	0.001954	0.001457	unknown	ShapiroWilk
Lead (mg/l)	NAB-1	No	n/a	n/a	EPA 1989	0.05	24	0.003129	0.002492	unknown	ShapiroWilk
Lead (mg/l)	NAB-2	No	n/a	n/a	EPA 1989	0.05	28	0.004501	0.004854	unknown	ShapiroWilk
Lead (mg/l)	NAB-3	No	n/a	n/a	EPA 1989	0.05	28	0.001891	0.001429	unknown	ShapiroWilk
Lead (mg/l)	NAB-4	No	n/a	n/a	EPA 1989	0.05	27	0.00306	0.00351	unknown	ShapiroWilk
Lead (mg/l)	NAB-7	No	n/a	n/a	EPA 1989	0.05	28	0.02918	0.07144	ln(x)	ShapiroWilk
Lead (mg/l)	NAB-8	No	n/a	n/a	EPA 1989	0.05	21	0.0097	0.03222	unknown	ShapiroWilk
Lead (mg/l)	SP-7	No	n/a	n/a	EPA 1989	0.05	17	0.002484	0.001902	unknown	ShapiroWilk
Lead (mg/l)	SPRINGA	No	n/a	n/a	EPA 1989	0.05	25	0.001663	0.002078	ln(x)	ShapiroWilk
Lead (mg/l)	SPRINGB	No	n/a	n/a	EPA 1989	0.05	12	0.00161	0.001886	ln(x)	ShapiroWilk
Lead (mg/l)	TSP-1	No	n/a	n/a	EPA 1989	0.05	10	0.005461	0.008404	ln(x)	ShapiroWilk
Lead (mg/l)	TSP-2	No	n/a	n/a	EPA 1989	0.05	10	0.009931	0.01179	ln(x)	ShapiroWilk
Lead (mg/l)	TSP-3	No	n/a	n/a	EPA 1989	0.05	11	0.001728	0.002327	unknown	ShapiroWilk
Lead (mg/l)	TSP-4	No	n/a	n/a	EPA 1989	0.05	5	0.003614	0.004799	ln(x)	ShapiroWilk
Lead (mg/l)	LFENTRANC...	No	n/a	n/a	EPA 1989	0.05	5	0.005162	0.007291	ln(x)	ShapiroWilk
Lead (mg/l)	MW-1R	No	n/a	n/a	EPA 1989	0.05	7	0.03842	0.08912	ln(x)	ShapiroWilk
Lead (mg/l)	NE-2	No	n/a	n/a	EPA 1989	0.05	7	0.00466	0.00613	ln(x)	ShapiroWilk
Lead (mg/l)	NE-3	No	n/a	n/a	EPA 1989	0.05	7	0.008007	0.01383	ln(x)	ShapiroWilk
Lead (mg/l)	NE-6	No	n/a	n/a	EPA 1989	0.05	7	0.00175	0.002526	unknown	ShapiroWilk
Lead (mg/l)	CLASSIDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.00448	0.001243	normal	ShapiroWilk
Lead (mg/l)	CLASSIVDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.00322	0.002225	normal	ShapiroWilk
Lead (mg/l)	SP-NE-3	No	n/a	n/a	EPA 1989	0.05	5	0.004934	0.004384	normal	ShapiroWilk
Manganese (mg/l)	MW-4	No	n/a	n/a	EPA 1989	0.05	45	0.01154	0.009986	unknown	ShapiroWilk
Manganese (mg/l)	CAO-1	No	n/a	n/a	EPA 1989	0.05	31	5.921	3.185	unknown	ShapiroWilk
Manganese (mg/l)	CAO-2	No	n/a	n/a	EPA 1989	0.05	31	0.7243	2.019	ln(x)	ShapiroWilk
Manganese (mg/l)	CAO-3	No	n/a	n/a	EPA 1989	0.05	31	0.02763	0.03868	ln(x)	ShapiroWilk
Manganese (mg/l)	LEACHATE	No	n/a	n/a	EPA 1989	0.05	5	1.352	0.4433	normal	ShapiroWilk
Manganese (mg/l)	MW-1	No	n/a	n/a	EPA 1989	0.05	42	0.299	0.4213	unknown	ShapiroWilk
Manganese (mg/l)	MW-2	No	n/a	n/a	EPA 1989	0.05	45	0.01276	0.00955	unknown	ShapiroWilk
Manganese (mg/l)	MW-3	No	n/a	n/a	EPA 1989	0.05	45	0.1289	0.4322	unknown	ShapiroWilk
Manganese (mg/l)	MW-5	No	n/a	n/a	EPA 1989	0.05	45	0.01162	0.009908	unknown	ShapiroWilk
Manganese (mg/l)	MW-509D	No	n/a	n/a	EPA 1989	0.05	28	0.1432	0.273	unknown	ShapiroWilk
Manganese (mg/l)	MW-577	No	n/a	n/a	EPA 1989	0.05	26	0.01026	0.01253	unknown	ShapiroWilk
Manganese (mg/l)	MW-6	No	n/a	n/a	EPA 1989	0.05	45	0.01148	0.01003	unknown	ShapiroWilk
Manganese (mg/l)	MW-633D	No	n/a	n/a	EPA 1989	0.05	28	0.01483	0.01887	unknown	ShapiroWilk
Manganese (mg/l)	MW-689D	No	n/a	n/a	EPA 1989	0.05	26	0.03492	0.05929	unknown	ShapiroWilk
Manganese (mg/l)	MW-7	No	n/a	n/a	EPA 1989	0.05	45	0.1896	0.312	unknown	ShapiroWilk
Manganese (mg/l)	NAB-1	No	n/a	n/a	EPA 1989	0.05	24	0.03142	0.02903	ln(x)	ShapiroWilk
Manganese (mg/l)	NAB-2	No	n/a	n/a	EPA 1989	0.05	28	0.01892	0.01219	ln(x)	ShapiroWilk
Manganese (mg/l)	NAB-3	No	n/a	n/a	EPA 1989	0.05	28	0.1605	0.2834	ln(x)	ShapiroWilk
Manganese (mg/l)	NAB-4	No	n/a	n/a	EPA 1989	0.05	27	0.01937	0.02046	ln(x)	ShapiroWilk
Manganese (mg/l)	NAB-7	No	n/a	n/a	EPA 1989	0.05	28	0.01825	0.04603	unknown	ShapiroWilk

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Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Manganese (mg/l)	NAB-8	No	n/a	n/a	EPA 1989	0.05	21	0.04724	0.1568	unknown	ShapiroWilk
Manganese (mg/l)	SP-7	No	n/a	n/a	EPA 1989	0.05	17	0.6734	0.4263	ln(x)	ShapiroWilk
Manganese (mg/l)	SPRINGA	No	n/a	n/a	EPA 1989	0.05	25	0.085	0.05094	ln(x)	ShapiroWilk
Manganese (mg/l)	SPRINGB	No	n/a	n/a	EPA 1989	0.05	12	0.5143	0.7716	ln(x)	ShapiroWilk
Manganese (mg/l)	TSP-1	No	n/a	n/a	EPA 1989	0.05	10	0.0487	0.04284	normal	ShapiroWilk
Manganese (mg/l)	**TSP-2**	**Yes**	**0.012**	**1/31/2007**	**EPA 1989**	**0.05**	**10**	**1.263**	**1.177**	**ln(x)**	**ShapiroWilk**
Manganese (mg/l)	TSP-3	No	n/a	n/a	EPA 1989	0.05	11	0.5164	0.8184	ln(x)	ShapiroWilk
Manganese (mg/l)	TSP-4	No	n/a	n/a	EPA 1989	0.05	5	0.02814	0.05699	ln(x)	ShapiroWilk
Manganese (mg/l)	LFENTRANC...	No	n/a	n/a	EPA 1989	0.05	5	1.395	1.113	normal	ShapiroWilk
Manganese (mg/l)	**MW-1R**	**Yes**	**4.8**	**6/21/2012**	**EPA 1989**	**0.05**	**7**	**1.224**	**1.587**	**normal**	**ShapiroWilk**
Manganese (mg/l)	**NE-2**	**Yes**	**0.19**	**12/18/2014**	**EPA 1989**	**0.05**	**7**	**0.08387**	**0.04774**	**normal**	**ShapiroWilk**
Manganese (mg/l)	**NE-3**	**Yes**	**0.48**	**6/20/2012**	**EPA 1989**	**0.05**	**7**	**0.1193**	**0.1606**	**normal**	**ShapiroWilk**
Manganese (mg/l)	NE-6	No	n/a	n/a	EPA 1989	0.05	7	0.01178	0.01435	ln(x)	ShapiroWilk
Manganese (mg/l)	CLASSIDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.8345	1.185	ln(x)	ShapiroWilk
Manganese (mg/l)	CLASSIVDRAW	No	n/a	n/a	EPA 1989	0.05	4	1.176	1.69	ln(x)	ShapiroWilk
Manganese (mg/l)	SP-NE-3	No	n/a	n/a	EPA 1989	0.05	5	0.03108	0.03872	ln(x)	ShapiroWilk
Mercury (mg/l)	MW-4	No	n/a	n/a	EPA 1989	0.05	27	0.000104	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	CAO-1	No	n/a	n/a	EPA 1989	0.05	27	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	CAO-2	No	n/a	n/a	EPA 1989	0.05	27	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	CAO-3	No	n/a	n/a	EPA 1989	0.05	27	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	LEACHATE	No	n/a	n/a	EPA 1989	0.05	5	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	MW-1	No	n/a	n/a	EPA 1989	0.05	24	0.000...	0.001143	unknown	ShapiroWilk
Mercury (mg/l)	MW-2	No	n/a	n/a	EPA 1989	0.05	27	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	MW-3	No	n/a	n/a	EPA 1989	0.05	27	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	MW-5	No	n/a	n/a	EPA 1989	0.05	27	0.000...	0.0000585	unknown	ShapiroWilk
Mercury (mg/l)	MW-509D	No	n/a	n/a	EPA 1989	0.05	27	0.000101	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	MW-577	No	n/a	n/a	EPA 1989	0.05	26	0.000...	0.0000324	unknown	ShapiroWilk
Mercury (mg/l)	MW-6	No	n/a	n/a	EPA 1989	0.05	27	0.000...	0.0001719	unknown	ShapiroWilk
Mercury (mg/l)	MW-633D	No	n/a	n/a	EPA 1989	0.05	27	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	MW-689D	No	n/a	n/a	EPA 1989	0.05	26	0.000...	0.0000322	unknown	ShapiroWilk
Mercury (mg/l)	MW-7	No	n/a	n/a	EPA 1989	0.05	27	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	NAB-1	No	n/a	n/a	EPA 1989	0.05	23	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	NAB-2	No	n/a	n/a	EPA 1989	0.05	27	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	NAB-3	No	n/a	n/a	EPA 1989	0.05	27	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	NAB-4	No	n/a	n/a	EPA 1989	0.05	26	0.000...	0.0000324	unknown	ShapiroWilk
Mercury (mg/l)	NAB-7	No	n/a	n/a	EPA 1989	0.05	27	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	NAB-8	No	n/a	n/a	EPA 1989	0.05	20	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	SP-7	No	n/a	n/a	EPA 1989	0.05	17	0.000074	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	SPRINGA	No	n/a	n/a	EPA 1989	0.05	25	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	SPRINGB	No	n/a	n/a	EPA 1989	0.05	12	0.000069	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	TSP-1	No	n/a	n/a	EPA 1989	0.05	10	0.000088	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	TSP-2	No	n/a	n/a	EPA 1989	0.05	10	0.000076	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	TSP-3	No	n/a	n/a	EPA 1989	0.05	11	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	TSP-4	No	n/a	n/a	EPA 1989	0.05	5	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	LFENTRANC...	No	n/a	n/a	EPA 1989	0.05	5	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	MW-1R	No	n/a	n/a	EPA 1989	0.05	7	0.001999	0.002428	ln(x)	ShapiroWilk
Mercury (mg/l)	NE-2	No	n/a	n/a	EPA 1989	0.05	7	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	NE-3	No	n/a	n/a	EPA 1989	0.05	7	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	NE-6	No	n/a	n/a	EPA 1989	0.05	7	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	CLASSIDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.000...	0.0000...	unknown	ShapiroWilk

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Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Mercury (mg/l)	CLASSIVDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.000...	0.0000...	unknown	ShapiroWilk
Mercury (mg/l)	SP-NE-3	No	n/a	n/a	EPA 1989	0.05	5	0.000...	0.0000...	unknown	ShapiroWilk
Nickel (mg/l)	MW-4	No	n/a	n/a	EPA 1989	0.05	45	0.00965	0.008343	unknown	ShapiroWilk
Nickel (mg/l)	CAO-1	No	n/a	n/a	EPA 1989	0.05	31	0.05303	0.02805	unknown	ShapiroWilk
Nickel (mg/l)	CAO-2	No	n/a	n/a	EPA 1989	0.05	31	0.01887	0.02688	unknown	ShapiroWilk
Nickel (mg/l)	CAO-3	No	n/a	n/a	EPA 1989	0.05	31	0.0148	0.01964	unknown	ShapiroWilk
Nickel (mg/l)	LEACHATE	No	n/a	n/a	EPA 1989	0.05	5	0.04012	0.01104	normal	ShapiroWilk
Nickel (mg/l)	MW-1	No	n/a	n/a	EPA 1989	0.05	42	0.02105	0.02369	unknown	ShapiroWilk
Nickel (mg/l)	MW-2	No	n/a	n/a	EPA 1989	0.05	45	0.009272	0.007812	unknown	ShapiroWilk
Nickel (mg/l)	MW-3	No	n/a	n/a	EPA 1989	0.05	45	0.01214	0.01212	unknown	ShapiroWilk
Nickel (mg/l)	MW-5	No	n/a	n/a	EPA 1989	0.05	45	0.009228	0.007761	unknown	ShapiroWilk
Nickel (mg/l)	MW-509D	No	n/a	n/a	EPA 1989	0.05	28	0.01017	0.005067	unknown	ShapiroWilk
Nickel (mg/l)	MW-577	No	n/a	n/a	EPA 1989	0.05	26	0.008513	0.003241	unknown	ShapiroWilk
Nickel (mg/l)	MW-6	No	n/a	n/a	EPA 1989	0.05	45	0.009174	0.007833	unknown	ShapiroWilk
Nickel (mg/l)	MW-633D	No	n/a	n/a	EPA 1989	0.05	28	0.009046	0.003131	unknown	ShapiroWilk
Nickel (mg/l)	MW-689D	No	n/a	n/a	EPA 1989	0.05	26	0.008521	0.00334	unknown	ShapiroWilk
Nickel (mg/l)	MW-7	No	n/a	n/a	EPA 1989	0.05	45	0.01061	0.0106	unknown	ShapiroWilk
Nickel (mg/l)	NAB-1	No	n/a	n/a	EPA 1989	0.05	24	0.01039	0.002099	unknown	ShapiroWilk
Nickel (mg/l)	NAB-2	No	n/a	n/a	EPA 1989	0.05	28	0.01043	0.007117	unknown	ShapiroWilk
Nickel (mg/l)	NAB-3	No	n/a	n/a	EPA 1989	0.05	28	0.01012	0.007272	unknown	ShapiroWilk
Nickel (mg/l)	NAB-4	No	n/a	n/a	EPA 1989	0.05	27	0.01643	0.02519	unknown	ShapiroWilk
Nickel (mg/l)	NAB-7	No	n/a	n/a	EPA 1989	0.05	28	0.009078	0.002811	unknown	ShapiroWilk
Nickel (mg/l)	NAB-8	No	n/a	n/a	EPA 1989	0.05	21	0.01114	0.009498	unknown	ShapiroWilk
Nickel (mg/l)	SP-7	No	n/a	n/a	EPA 1989	0.05	17	0.008172	0.00337	unknown	ShapiroWilk
Nickel (mg/l)	SPRINGA	No	n/a	n/a	EPA 1989	0.05	25	0.00853	0.003273	unknown	ShapiroWilk
Nickel (mg/l)	SPRINGB	No	n/a	n/a	EPA 1989	0.05	12	0.007878	0.003013	unknown	ShapiroWilk
Nickel (mg/l)	TSP-1	No	n/a	n/a	EPA 1989	0.05	10	0.01	0	unknown	ShapiroWilk
Nickel (mg/l)	TSP-2	No	n/a	n/a	EPA 1989	0.05	10	0.0106	0.002547	unknown	ShapiroWilk
Nickel (mg/l)	TSP-3	No	n/a	n/a	EPA 1989	0.05	11	0.007189	0.003995	unknown	ShapiroWilk
Nickel (mg/l)	TSP-4	No	n/a	n/a	EPA 1989	0.05	5	0.006525	0.004826	unknown	ShapiroWilk
Nickel (mg/l)	**LFENTRANC...**	**Yes**	**0.000175**	**9/16/2015**	**EPA 1989**	**0.05**	**5**	**0.005669**	**0.004418**	**normal**	**ShapiroWilk**
Nickel (mg/l)	MW-1R	No	n/a	n/a	EPA 1989	0.05	7	0.08831	0.03516	ln(x)	ShapiroWilk
Nickel (mg/l)	NE-2	No	n/a	n/a	EPA 1989	0.05	7	0.0205	0.01385	ln(x)	ShapiroWilk
Nickel (mg/l)	NE-3	No	n/a	n/a	EPA 1989	0.05	7	0.009553	0.01044	ln(x)	ShapiroWilk
Selenium (mg/l)	SPRINGB	No	n/a	n/a	EPA 1989	0.05	12	0.002069	0.003714	unknown	ShapiroWilk
Selenium (mg/l)	TSP-1	No	n/a	n/a	EPA 1989	0.05	10	0.0073	0.01233	unknown	ShapiroWilk
Selenium (mg/l)	TSP-2	No	n/a	n/a	EPA 1989	0.05	10	0.001454	0.003003	unknown	ShapiroWilk
Selenium (mg/l)	TSP-3	No	n/a	n/a	EPA 1989	0.05	11	0.00216	0.003884	unknown	ShapiroWilk
Selenium (mg/l)	TSP-4	No	n/a	n/a	EPA 1989	0.05	5	0.004276	0.005236	ln(x)	ShapiroWilk
Selenium (mg/l)	LFENTRANC...	No	n/a	n/a	EPA 1989	0.05	5	0.000414	0.000354	unknown	ShapiroWilk
Selenium (mg/l)	MW-1R	No	n/a	n/a	EPA 1989	0.05	7	0.000...	0.0001657	unknown	ShapiroWilk
Selenium (mg/l)	NE-2	No	n/a	n/a	EPA 1989	0.05	7	0.00056	0.0006307	unknown	ShapiroWilk
Selenium (mg/l)	NE-3	No	n/a	n/a	EPA 1989	0.05	7	0.000...	0.0004608	unknown	ShapiroWilk
Selenium (mg/l)	NE-6	No	n/a	n/a	EPA 1989	0.05	7	0.000...	0.0003045	unknown	ShapiroWilk
Selenium (mg/l)	CLASSIDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.000...	0.000405	unknown	ShapiroWilk
Selenium (mg/l)	CLASSIVDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.000...	0.000405	unknown	ShapiroWilk
Selenium (mg/l)	SP-NE-3	No	n/a	n/a	EPA 1989	0.05	5	0.000352	0.0003622	unknown	ShapiroWilk
Silver (mg/l)	MW-4	No	n/a	n/a	EPA 1989	0.05	45	0.004465	0.001465	unknown	ShapiroWilk
Silver (mg/l)	CAO-1	No	n/a	n/a	EPA 1989	0.05	31	0.004773	0.004667	unknown	ShapiroWilk
Silver (mg/l)	CAO-2	No	n/a	n/a	EPA 1989	0.05	31	0.004057	0.001862	unknown	ShapiroWilk

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Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Silver (mg/l)	CAO-3	No	n/a	n/a	EPA 1989	0.05	31	0.004053	0.001804	unknown	ShapiroWilk
Silver (mg/l)	LEACHATE	No	n/a	n/a	EPA 1989	0.05	5	0.004031	0.002167	unknown	ShapiroWilk
Silver (mg/l)	MW-1	No	n/a	n/a	EPA 1989	0.05	42	0.004593	0.001421	unknown	ShapiroWilk
Silver (mg/l)	MW-2	No	n/a	n/a	EPA 1989	0.05	45	0.004264	0.001578	unknown	ShapiroWilk
Silver (mg/l)	MW-3	No	n/a	n/a	EPA 1989	0.05	45	0.004309	0.001569	unknown	ShapiroWilk
Silver (mg/l)	MW-5	No	n/a	n/a	EPA 1989	0.05	45	0.005735	0.009008	unknown	ShapiroWilk
Silver (mg/l)	MW-509D	No	n/a	n/a	EPA 1989	0.05	28	0.006968	0.01381	unknown	ShapiroWilk
Silver (mg/l)	MW-577	No	n/a	n/a	EPA 1989	0.05	26	0.004335	0.001604	unknown	ShapiroWilk
Silver (mg/l)	MW-6	No	n/a	n/a	EPA 1989	0.05	45	0.005602	0.009039	unknown	ShapiroWilk
Silver (mg/l)	MW-633D	No	n/a	n/a	EPA 1989	0.05	28	0.004797	0.002432	unknown	ShapiroWilk
Silver (mg/l)	MW-689D	No	n/a	n/a	EPA 1989	0.05	26	0.008389	0.02078	unknown	ShapiroWilk
Sulfate (mg/l)	MW-1	No	n/a	n/a	EPA 1989	0.05	41	9.664	4.208	unknown	ShapiroWilk
Sulfate (mg/l)	MW-2	No	n/a	n/a	EPA 1989	0.05	44	18.66	7.983	unknown	ShapiroWilk
Sulfate (mg/l)	MW-3	No	n/a	n/a	EPA 1989	0.05	44	9.132	4.004	unknown	ShapiroWilk
Sulfate (mg/l)	MW-5	No	n/a	n/a	EPA 1989	0.05	44	7.241	2.152	unknown	ShapiroWilk
Sulfate (mg/l)	MW-509D	No	n/a	n/a	EPA 1989	0.05	27	8.33	2.347	normal	ShapiroWilk
Sulfate (mg/l)	MW-577	No	n/a	n/a	EPA 1989	0.05	25	50.67	16.04	normal	ShapiroWilk
Sulfate (mg/l)	MW-6	No	n/a	n/a	EPA 1989	0.05	44	6.014	1.665	unknown	ShapiroWilk
Sulfate (mg/l)	MW-633D	No	n/a	n/a	EPA 1989	0.05	27	13.96	2.375	ln(x)	ShapiroWilk
Sulfate (mg/l)	MW-689D	No	n/a	n/a	EPA 1989	0.05	25	11.64	3.622	unknown	ShapiroWilk
Sulfate (mg/l)	**MW-7**	**Yes**	**2.5,33.4,...**	**10/25/200...**	**EPA 1989**	**0.05**	**44**	**10.3**	**5.198**	**normal**	**ShapiroWilk**
Sulfate (mg/l)	NAB-1	No	n/a	n/a	EPA 1989	0.05	23	24.13	5.421	unknown	ShapiroWilk
Sulfate (mg/l)	NAB-2	No	n/a	n/a	EPA 1989	0.05	27	19.89	7.446	unknown	ShapiroWilk
Sulfate (mg/l)	**NAB-3**	**Yes**	**56**	**9/20/2012**	**EPA 1989**	**0.05**	**27**	**12.97**	**9.336**	**ln(x)**	**ShapiroWilk**
Sulfate (mg/l)	NAB-4	No	n/a	n/a	EPA 1989	0.05	26	37.87	11.87	ln(x)	ShapiroWilk
Sulfate (mg/l)	NAB-7	No	n/a	n/a	EPA 1989	0.05	27	20.55	5.821	normal	ShapiroWilk
Sulfate (mg/l)	**NAB-8**	**Yes**	**24**	**7/25/2006**	**EPA 1989**	**0.05**	**20**	**11.64**	**3.396**	**ln(x)**	**ShapiroWilk**
Sulfate (mg/l)	**SP-7**	**Yes**	**0.0387**	**9/16/2015**	**EPA 1989**	**0.05**	**16**	**9.794**	**3.76**	**normal**	**ShapiroWilk**
Sulfate (mg/l)	**SPRINGA**	**Yes**	**0.0387,0....**	**9/16/2015...**	**EPA 1989**	**0.05**	**24**	**10.58**	**6.24**	**normal**	**ShapiroWilk**
Sulfate (mg/l)	SPRINGB	No	n/a	n/a	EPA 1989	0.05	11	15.35	12.79	normal	ShapiroWilk
Sulfate (mg/l)	TSP-1	No	n/a	n/a	EPA 1989	0.05	10	15.8	7.376	ln(x)	ShapiroWilk
Sulfate (mg/l)	TSP-2	No	n/a	n/a	EPA 1989	0.05	10	12.37	6.331	normal	ShapiroWilk
Sulfate (mg/l)	TSP-3	No	n/a	n/a	EPA 1989	0.05	10	6.132	4.383	normal	ShapiroWilk
Sulfate (mg/l)	TSP-4	No	n/a	n/a	EPA 1989	0.05	4	12.42	5.588	normal	ShapiroWilk
Sulfate (mg/l)	LFENTRANC...	No	n/a	n/a	NP (n)	NaN	4	4.62	4.001	unknown	ShapiroWilk
Sulfate (mg/l)	MW-1R	No	n/a	n/a	EPA 1989	0.05	6	20.15	4.679	normal	ShapiroWilk
Sulfate (mg/l)	NE-2	No	n/a	n/a	EPA 1989	0.05	6	1523	400.7	normal	ShapiroWilk
Sulfate (mg/l)	NE-3	No	n/a	n/a	EPA 1989	0.05	6	22.62	7.81	normal	ShapiroWilk
Thallium (mg/l)	TSP-1	No	n/a	n/a	EPA 1989	0.05	10	0.0005	0	unknown	ShapiroWilk
Thallium (mg/l)	TSP-2	No	n/a	n/a	EPA 1989	0.05	10	0.0005	0	unknown	ShapiroWilk
Thallium (mg/l)	TSP-3	No	n/a	n/a	EPA 1989	0.05	11	0.000...	0.0002814	unknown	ShapiroWilk
Thallium (mg/l)	TSP-4	No	n/a	n/a	EPA 1989	0.05	5	0.000438	0.0003738	normal	ShapiroWilk
Thallium (mg/l)	LFENTRANC...	No	n/a	n/a	EPA 1989	0.05	5	0.000357	0.0003999	unknown	ShapiroWilk
Thallium (mg/l)	MW-1R	No	n/a	n/a	EPA 1989	0.05	7	0.001921	0.002262	ln(x)	ShapiroWilk
Thallium (mg/l)	NE-2	No	n/a	n/a	EPA 1989	0.05	7	0.000...	0.0001915	unknown	ShapiroWilk
Thallium (mg/l)	NE-3	No	n/a	n/a	EPA 1989	0.05	7	0.00034	0.0003481	unknown	ShapiroWilk
Thallium (mg/l)	NE-6	No	n/a	n/a	EPA 1989	0.05	7	0.000...	0.0002412	unknown	ShapiroWilk
Thallium (mg/l)	CLASSIDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.000...	0.0004525	unknown	ShapiroWilk
Thallium (mg/l)	CLASSIVDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.000...	0.0004525	unknown	ShapiroWilk
Thallium (mg/l)	SP-NE-3	No	n/a	n/a	EPA 1989	0.05	5	0.000276	0.0004047	unknown	ShapiroWilk

Outlier Analysis

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Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Tin (mg/l)	MW-4	No	n/a	n/a	EPA 1989	0.05	23	0.005752	0.01378	unknown	ShapiroWilk
Tin (mg/l)	CAO-1	No	n/a	n/a	EPA 1989	0.05	23	0.006487	0.0165	unknown	ShapiroWilk
Tin (mg/l)	CAO-2	No	n/a	n/a	EPA 1989	0.05	23	0.01441	0.04327	unknown	ShapiroWilk
Tin (mg/l)	CAO-3	No	n/a	n/a	EPA 1989	0.05	23	0.008324	0.01836	unknown	ShapiroWilk
Tin (mg/l)	LEACHATE	No	n/a	n/a	EPA 1989	0.05	5	0.003538	0.002315	normal	ShapiroWilk
Tin (mg/l)	MW-1	No	n/a	n/a	EPA 1989	0.05	20	0.004754	0.008873	unknown	ShapiroWilk
Tin (mg/l)	MW-2	No	n/a	n/a	EPA 1989	0.05	23	0.00373	0.005576	unknown	ShapiroWilk
Tin (mg/l)	MW-3	No	n/a	n/a	EPA 1989	0.05	23	0.005243	0.01128	unknown	ShapiroWilk
Tin (mg/l)	MW-5	No	n/a	n/a	EPA 1989	0.05	23	0.006232	0.01577	unknown	ShapiroWilk
Tin (mg/l)	MW-509D	No	n/a	n/a	EPA 1989	0.05	24	0.02406	0.08465	unknown	ShapiroWilk
Tin (mg/l)	MW-577	No	n/a	n/a	EPA 1989	0.05	23	0.008135	0.02687	unknown	ShapiroWilk
Tin (mg/l)	MW-6	No	n/a	n/a	EPA 1989	0.05	23	0.006813	0.01744	unknown	ShapiroWilk
Tin (mg/l)	MW-633D	No	n/a	n/a	EPA 1989	0.05	24	0.01411	0.03239	unknown	ShapiroWilk
Tin (mg/l)	MW-689D	No	n/a	n/a	EPA 1989	0.05	24	0.009178	0.0197	unknown	ShapiroWilk
Tin (mg/l)	MW-7	No	n/a	n/a	EPA 1989	0.05	23	0.002932	0.004297	unknown	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	MW-2	No	n/a	n/a	EPA 1989	0.05	45	2.737	7.291	unknown	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	MW-3	No	n/a	n/a	EPA 1989	0.05	45	2.51	4.238	unknown	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	MW-5	No	n/a	n/a	EPA 1989	0.05	45	1.878	2.894	unknown	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	MW-509D	No	n/a	n/a	EPA 1989	0.05	28	2.017	1.606	ln(x)	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	MW-577	No	n/a	n/a	EPA 1989	0.05	26	3.614	9.942	unknown	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	MW-6	No	n/a	n/a	EPA 1989	0.05	45	2.586	4.759	unknown	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	MW-633D	No	n/a	n/a	EPA 1989	0.05	28	2.145	2.081	unknown	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	MW-689D	No	n/a	n/a	EPA 1989	0.05	26	1.963	2.09	unknown	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	MW-7	No	n/a	n/a	EPA 1989	0.05	45	3.85	10.96	unknown	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	NAB-1	No	n/a	n/a	EPA 1989	0.05	24	4.01	6.02	ln(x)	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	NAB-2	No	n/a	n/a	EPA 1989	0.05	28	1.727	1.692	unknown	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	**NAB-3**	**Yes**	**0.05**	**6/9/2015**	**EPA 1989**	**0.05**	**28**	**2.549**	**2.654**	**ln(x)**	**ShapiroWilk**
TOC [Total Organic Carbon] (mg/l)	NAB-4	No	n/a	n/a	EPA 1989	0.05	27	2.737	6.183	unknown	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	NAB-7	No	n/a	n/a	EPA 1989	0.05	28	2.877	5.685	unknown	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	NAB-8	No	n/a	n/a	EPA 1989	0.05	21	3.124	2.944	ln(x)	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	**SP-7**	**Yes**	**16**	**12/8/2010**	**EPA 1989**	**0.05**	**17**	**4.209**	**3.272**	**normal**	**ShapiroWilk**
TOC [Total Organic Carbon] (mg/l)	**SPRINGA**	**Yes**	**27,0.26**	**12/8/2010...**	**EPA 1989**	**0.05**	**25**	**3.095**	**5.099**	**normal**	**ShapiroWilk**
TOC [Total Organic Carbon] (mg/l)	SPRINGB	No	n/a	n/a	EPA 1989	0.05	12	6.775	3.541	normal	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	TSP-1	No	n/a	n/a	EPA 1989	0.05	10	2.69	1.587	normal	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	TSP-2	No	n/a	n/a	EPA 1989	0.05	10	2.564	2.171	normal	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	TSP-3	No	n/a	n/a	EPA 1989	0.05	11	4.07	1.445	normal	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	**TSP-4**	**Yes**	**2.3**	**1/31/2007**	**EPA 1989**	**0.05**	**5**	**4.102**	**1.104**	**normal**	**ShapiroWilk**
TOC [Total Organic Carbon] (mg/l)	LFENTRANC...	No	n/a	n/a	EPA 1989	0.05	5	4.616	1.926	normal	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	MW-1R	No	n/a	n/a	EPA 1989	0.05	7	14.39	10.24	normal	ShapiroWilk
Vanadium (mg/l)	NAB-8	No	n/a	n/a	EPA 1989	0.05	21	0.009718	0.02033	unknown	ShapiroWilk
Vanadium (mg/l)	SP-7	No	n/a	n/a	EPA 1989	0.05	17	0.00494	0.003263	unknown	ShapiroWilk
Vanadium (mg/l)	SPRINGA	No	n/a	n/a	EPA 1989	0.05	25	0.005403	0.005501	unknown	ShapiroWilk
Vanadium (mg/l)	SPRINGB	No	n/a	n/a	EPA 1989	0.05	12	0.00414	0.002993	normal	ShapiroWilk
Vanadium (mg/l)	TSP-1	No	n/a	n/a	EPA 1989	0.05	10	0.00499	0.0000...	unknown	ShapiroWilk
Vanadium (mg/l)	TSP-2	No	n/a	n/a	EPA 1989	0.05	10	0.01085	0.01537	unknown	ShapiroWilk
Vanadium (mg/l)	TSP-3	No	n/a	n/a	EPA 1989	0.05	11	0.003644	0.002968	unknown	ShapiroWilk
Vanadium (mg/l)	TSP-4	No	n/a	n/a	EPA 1989	0.05	5	0.004258	0.003899	normal	ShapiroWilk
Vanadium (mg/l)	LFENTRANC...	No	n/a	n/a	EPA 1989	0.05	5	0.004018	0.004318	normal	ShapiroWilk
Vanadium (mg/l)	MW-1R	No	n/a	n/a	EPA 1989	0.05	7	0.01437	0.03047	ln(x)	ShapiroWilk
Vanadium (mg/l)	NE-2	No	n/a	n/a	EPA 1989	0.05	7	0.003369	0.003968	ln(x)	ShapiroWilk

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Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Vanadium (mg/l)	NE-3	No	n/a	n/a	EPA 1989	0.05	7	0.00494	0.006404	ln(x)	ShapiroWilk
Vanadium (mg/l)	NE-6	No	n/a	n/a	EPA 1989	0.05	7	0.003226	0.003653	normal	ShapiroWilk
Vanadium (mg/l)	CLASSIDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.001345	0.001846	normal	ShapiroWilk
Vanadium (mg/l)	CLASSIVDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.002845	0.004799	ln(x)	ShapiroWilk
Vanadium (mg/l)	SP-NE-3	No	n/a	n/a	EPA 1989	0.05	5	0.003982	0.004435	normal	ShapiroWilk
Zinc (mg/l)	MW-4	No	n/a	n/a	EPA 1989	0.05	45	0.06636	0.03305	unknown	ShapiroWilk
Zinc (mg/l)	CAO-1	No	n/a	n/a	EPA 1989	0.05	31	0.5845	0.4737	unknown	ShapiroWilk
Zinc (mg/l)	CAO-2	No	n/a	n/a	EPA 1989	0.05	31	0.03972	0.06864	unknown	ShapiroWilk
Zinc (mg/l)	**CAO-3**	**Yes**	**0.00128,0...**	**9/15/2015...**	**EPA 1989**	**0.05**	**31**	**0.03767**	**0.0274**	**ln(x)**	**ShapiroWilk**
Zinc (mg/l)	LEACHATE	No	n/a	n/a	EPA 1989	0.05	5	0.03906	0.06258	ln(x)	ShapiroWilk
Zinc (mg/l)	MW-1	No	n/a	n/a	EPA 1989	0.05	42	0.2253	0.1828	unknown	ShapiroWilk
Zinc (mg/l)	MW-2	No	n/a	n/a	EPA 1989	0.05	45	0.0128	0.008376	unknown	ShapiroWilk
Zinc (mg/l)	MW-3	No	n/a	n/a	EPA 1989	0.05	45	0.06282	0.04113	unknown	ShapiroWilk
Zinc (mg/l)	MW-5	No	n/a	n/a	EPA 1989	0.05	45	0.0241	0.01158	unknown	ShapiroWilk
Zinc (mg/l)	MW-509D	No	n/a	n/a	EPA 1989	0.05	28	0.9036	1.526	unknown	ShapiroWilk
Zinc (mg/l)	MW-577	No	n/a	n/a	EPA 1989	0.05	26	0.01544	0.01757	ln(x)	ShapiroWilk
Nickel (mg/l)	NE-6	No	n/a	n/a	EPA 1989	0.05	7	0.006377	0.003531	unknown	ShapiroWilk
Nickel (mg/l)	CLASSIDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.004005	0.001249	normal	ShapiroWilk
Nickel (mg/l)	CLASSIVDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.004629	0.004283	normal	ShapiroWilk
Nickel (mg/l)	SP-NE-3	No	n/a	n/a	EPA 1989	0.05	5	0.003731	0.003717	normal	ShapiroWilk
Selenium (mg/l)	MW-4	No	n/a	n/a	EPA 1989	0.05	45	0.005094	0.006915	unknown	ShapiroWilk
Selenium (mg/l)	CAO-1	No	n/a	n/a	EPA 1989	0.05	31	0.007549	0.01325	ln(x)	ShapiroWilk
Selenium (mg/l)	CAO-2	No	n/a	n/a	EPA 1989	0.05	31	0.005681	0.009907	unknown	ShapiroWilk
Selenium (mg/l)	CAO-3	No	n/a	n/a	EPA 1989	0.05	31	0.004208	0.005193	unknown	ShapiroWilk
Selenium (mg/l)	**LEACHATE**	**Yes**	**0.00019**	**12/16/2015**	**EPA 1989**	**0.05**	**5**	**0.009298**	**0.005274**	**normal**	**ShapiroWilk**
Selenium (mg/l)	MW-1	No	n/a	n/a	EPA 1989	0.05	42	0.005847	0.00714	unknown	ShapiroWilk
Selenium (mg/l)	MW-2	No	n/a	n/a	EPA 1989	0.05	45	0.00512	0.007177	unknown	ShapiroWilk
Selenium (mg/l)	MW-3	No	n/a	n/a	EPA 1989	0.05	45	0.004606	0.005294	unknown	ShapiroWilk
Selenium (mg/l)	MW-5	No	n/a	n/a	EPA 1989	0.05	45	0.005008	0.006642	unknown	ShapiroWilk
Selenium (mg/l)	MW-509D	No	n/a	n/a	EPA 1989	0.05	28	0.005134	0.00883	unknown	ShapiroWilk
Selenium (mg/l)	MW-577	No	n/a	n/a	EPA 1989	0.05	26	0.003356	0.004446	unknown	ShapiroWilk
Selenium (mg/l)	MW-6	No	n/a	n/a	EPA 1989	0.05	45	0.004725	0.005454	unknown	ShapiroWilk
Selenium (mg/l)	MW-633D	No	n/a	n/a	EPA 1989	0.05	28	0.005331	0.008119	unknown	ShapiroWilk
Selenium (mg/l)	MW-689D	No	n/a	n/a	EPA 1989	0.05	26	0.005047	0.01048	unknown	ShapiroWilk
Selenium (mg/l)	MW-7	No	n/a	n/a	EPA 1989	0.05	45	0.005274	0.007068	unknown	ShapiroWilk
Selenium (mg/l)	NAB-1	No	n/a	n/a	EPA 1989	0.05	24	0.005479	0.006762	unknown	ShapiroWilk
Selenium (mg/l)	NAB-2	No	n/a	n/a	EPA 1989	0.05	28	0.004324	0.005793	unknown	ShapiroWilk
Selenium (mg/l)	NAB-3	No	n/a	n/a	EPA 1989	0.05	28	0.005295	0.00985	unknown	ShapiroWilk
Selenium (mg/l)	NAB-4	No	n/a	n/a	EPA 1989	0.05	27	0.004416	0.006578	unknown	ShapiroWilk
Selenium (mg/l)	NAB-7	No	n/a	n/a	EPA 1989	0.05	28	0.004316	0.005877	unknown	ShapiroWilk
Selenium (mg/l)	NAB-8	No	n/a	n/a	EPA 1989	0.05	21	0.006602	0.01144	unknown	ShapiroWilk
Selenium (mg/l)	SP-7	No	n/a	n/a	EPA 1989	0.05	17	0.003026	0.006485	unknown	ShapiroWilk
Selenium (mg/l)	SPRINGA	No	n/a	n/a	EPA 1989	0.05	25	0.00343	0.005921	unknown	ShapiroWilk
Silver (mg/l)	MW-7	No	n/a	n/a	EPA 1989	0.05	45	0.004958	0.004696	unknown	ShapiroWilk
Silver (mg/l)	NAB-1	No	n/a	n/a	EPA 1989	0.05	24	0.004887	0.0003814	unknown	ShapiroWilk
Silver (mg/l)	NAB-2	No	n/a	n/a	EPA 1989	0.05	28	0.004425	0.001543	unknown	ShapiroWilk
Silver (mg/l)	NAB-3	No	n/a	n/a	EPA 1989	0.05	28	0.008615	0.0219	unknown	ShapiroWilk
Silver (mg/l)	NAB-4	No	n/a	n/a	EPA 1989	0.05	27	0.0044	0.001897	unknown	ShapiroWilk
Silver (mg/l)	NAB-7	No	n/a	n/a	EPA 1989	0.05	28	0.004336	0.001533	unknown	ShapiroWilk
Silver (mg/l)	NAB-8	No	n/a	n/a	EPA 1989	0.05	21	0.2944	1.33	unknown	ShapiroWilk

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Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Silver (mg/l)	SP-7	No	n/a	n/a	EPA 1989	0.05	17	0.004559	0.00326	unknown	ShapiroWilk
Silver (mg/l)	SPRINGA	No	n/a	n/a	EPA 1989	0.05	25	0.00426	0.001604	unknown	ShapiroWilk
Silver (mg/l)	SPRINGB	No	n/a	n/a	EPA 1989	0.05	12	0.003476	0.002066	unknown	ShapiroWilk
Silver (mg/l)	TSP-1	No	n/a	n/a	EPA 1989	0.05	10	0.00483	0.0005376	unknown	ShapiroWilk
Silver (mg/l)	TSP-2	No	n/a	n/a	EPA 1989	0.05	10	0.00532	0.001012	unknown	ShapiroWilk
Silver (mg/l)	TSP-3	No	n/a	n/a	EPA 1989	0.05	11	0.003465	0.002166	unknown	ShapiroWilk
Silver (mg/l)	TSP-4	No	n/a	n/a	EPA 1989	0.05	5	0.003311	0.002354	unknown	ShapiroWilk
Silver (mg/l)	LFENTRANC...	No	n/a	n/a	EPA 1989	0.05	5	0.002342	0.002479	ln(x)	ShapiroWilk
Silver (mg/l)	MW-1R	No	n/a	n/a	EPA 1989	0.05	7	0.002587	0.002314	unknown	ShapiroWilk
Silver (mg/l)	NE-2	No	n/a	n/a	EPA 1989	0.05	7	0.002587	0.002314	unknown	ShapiroWilk
Silver (mg/l)	NE-3	No	n/a	n/a	EPA 1989	0.05	7	0.002587	0.002314	unknown	ShapiroWilk
Silver (mg/l)	NE-6	No	n/a	n/a	EPA 1989	0.05	7	0.002587	0.002314	unknown	ShapiroWilk
Silver (mg/l)	CLASSIDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.001677	0.002291	normal	ShapiroWilk
Silver (mg/l)	CLASSIVDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.001677	0.002291	normal	ShapiroWilk
Silver (mg/l)	SP-NE-3	No	n/a	n/a	EPA 1989	0.05	5	0.001622	0.001988	ln(x)	ShapiroWilk
Sulfate (mg/l)	MW-4	No	n/a	n/a	EPA 1989	0.05	44	11.54	2.13	ln(x)	ShapiroWilk
Sulfate (mg/l)	CAO-1	No	n/a	n/a	EPA 1989	0.05	30	13.2	8.237	unknown	ShapiroWilk
Sulfate (mg/l)	CAO-2	No	n/a	n/a	EPA 1989	0.05	30	9.647	7.5	unknown	ShapiroWilk
Sulfate (mg/l)	CAO-3	No	n/a	n/a	EPA 1989	0.05	30	27.1	32.53	unknown	ShapiroWilk
Sulfate (mg/l)	LEACHATE	No	n/a	n/a	EPA 1989	0.05	4	6.228	5.425	normal	ShapiroWilk
Sulfate (mg/l)	NE-6	No	n/a	n/a	EPA 1989	0.05	6	32.25	2.318	normal	ShapiroWilk
Sulfate (mg/l)	**SP-NE-3**	**Yes**	**0.0385**	**3/10/2015**	**EPA 1989**	**0.05**	**4**	**5.487**	**3.66**	**normal**	**ShapiroWilk**
Thallium (mg/l)	MW-4	No	n/a	n/a	EPA 1989	0.05	45	0.000...	0.0001787	unknown	ShapiroWilk
Thallium (mg/l)	CAO-1	No	n/a	n/a	EPA 1989	0.05	31	0.000...	0.001374	unknown	ShapiroWilk
Thallium (mg/l)	CAO-2	No	n/a	n/a	EPA 1989	0.05	31	0.000...	0.0005531	unknown	ShapiroWilk
Thallium (mg/l)	CAO-3	No	n/a	n/a	EPA 1989	0.05	31	0.000...	0.0002165	unknown	ShapiroWilk
Thallium (mg/l)	LEACHATE	No	n/a	n/a	EPA 1989	0.05	5	0.000519	0.000321	unknown	ShapiroWilk
Thallium (mg/l)	MW-1	No	n/a	n/a	EPA 1989	0.05	42	0.000...	0.0001585	unknown	ShapiroWilk
Thallium (mg/l)	MW-2	No	n/a	n/a	EPA 1989	0.05	45	0.000...	0.001576	unknown	ShapiroWilk
Thallium (mg/l)	MW-3	No	n/a	n/a	EPA 1989	0.05	45	0.000736	0.001725	unknown	ShapiroWilk
Thallium (mg/l)	MW-5	No	n/a	n/a	EPA 1989	0.05	45	0.000864	0.001448	unknown	ShapiroWilk
Thallium (mg/l)	MW-509D	No	n/a	n/a	EPA 1989	0.05	28	0.000...	0.0002401	unknown	ShapiroWilk
Thallium (mg/l)	MW-577	No	n/a	n/a	EPA 1989	0.05	26	0.000...	0.0001852	unknown	ShapiroWilk
Thallium (mg/l)	MW-6	No	n/a	n/a	EPA 1989	0.05	45	0.000...	0.0008395	unknown	ShapiroWilk
Thallium (mg/l)	MW-633D	No	n/a	n/a	EPA 1989	0.05	28	0.000...	0.0001478	unknown	ShapiroWilk
Thallium (mg/l)	MW-689D	No	n/a	n/a	EPA 1989	0.05	26	0.000...	0.0001869	unknown	ShapiroWilk
Thallium (mg/l)	MW-7	No	n/a	n/a	EPA 1989	0.05	45	0.000...	0.0008395	unknown	ShapiroWilk
Thallium (mg/l)	NAB-1	No	n/a	n/a	EPA 1989	0.05	24	0.000...	0.0001021	unknown	ShapiroWilk
Thallium (mg/l)	NAB-2	No	n/a	n/a	EPA 1989	0.05	28	0.00046	0.0001786	unknown	ShapiroWilk
Thallium (mg/l)	NAB-3	No	n/a	n/a	EPA 1989	0.05	28	0.00046	0.0001786	unknown	ShapiroWilk
Thallium (mg/l)	NAB-4	No	n/a	n/a	EPA 1989	0.05	27	0.000...	0.0001573	unknown	ShapiroWilk
Thallium (mg/l)	NAB-7	No	n/a	n/a	EPA 1989	0.05	28	0.00046	0.0001786	unknown	ShapiroWilk
Thallium (mg/l)	NAB-8	No	n/a	n/a	EPA 1989	0.05	21	0.000461	0.0002196	unknown	ShapiroWilk
Thallium (mg/l)	SP-7	No	n/a	n/a	EPA 1989	0.05	17	0.000...	0.0002281	unknown	ShapiroWilk
Thallium (mg/l)	SPRINGA	No	n/a	n/a	EPA 1989	0.05	25	0.000...	0.0004507	unknown	ShapiroWilk
Thallium (mg/l)	SPRINGB	No	n/a	n/a	EPA 1989	0.05	12	0.000...	0.0002699	unknown	ShapiroWilk
Tin (mg/l)	NAB-1	No	n/a	n/a	EPA 1989	0.05	20	0.00649	0.01202	unknown	ShapiroWilk
Tin (mg/l)	NAB-2	No	n/a	n/a	EPA 1989	0.05	24	0.007907	0.02245	unknown	ShapiroWilk
Tin (mg/l)	NAB-3	No	n/a	n/a	EPA 1989	0.05	24	0.01031	0.02762	unknown	ShapiroWilk
Tin (mg/l)	NAB-4	No	n/a	n/a	EPA 1989	0.05	23	0.01126	0.02984	unknown	ShapiroWilk

Outlier Analysis

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Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Tin (mg/l)	NAB-7	No	n/a	n/a	EPA 1989	0.05	24	0.00455	0.009165	unknown	ShapiroWilk
Tin (mg/l)	NAB-8	No	n/a	n/a	EPA 1989	0.05	17	0.005588	0.009836	unknown	ShapiroWilk
Tin (mg/l)	SP-7	No	n/a	n/a	EPA 1989	0.05	15	0.001665	0.003388	unknown	ShapiroWilk
Tin (mg/l)	SPRINGA	No	n/a	n/a	EPA 1989	0.05	22	0.00224	0.003773	unknown	ShapiroWilk
Tin (mg/l)	SPRINGB	No	n/a	n/a	EPA 1989	0.05	11	0.002192	0.003882	unknown	ShapiroWilk
Tin (mg/l)	TSP-1	No	n/a	n/a	EPA 1989	0.05	8	0.004062	0.004917	unknown	ShapiroWilk
Tin (mg/l)	TSP-2	No	n/a	n/a	EPA 1989	0.05	9	0.000...	0.0000...	unknown	ShapiroWilk
Tin (mg/l)	TSP-3	No	n/a	n/a	EPA 1989	0.05	10	0.001299	0.003062	unknown	ShapiroWilk
Tin (mg/l)	TSP-4	No	n/a	n/a	EPA 1989	0.05	4	0.00266	0.004894	unknown	ShapiroWilk
Tin (mg/l)	LFENTRANC...	No	n/a	n/a	EPA 1989	0.05	5	0.000298	0.0002032	unknown	ShapiroWilk
Tin (mg/l)	MW-1R	No	n/a	n/a	EPA 1989	0.05	7	0.000...	0.0006764	unknown	ShapiroWilk
Tin (mg/l)	NE-2	No	n/a	n/a	EPA 1989	0.05	7	0.000...	0.000459	unknown	ShapiroWilk
Tin (mg/l)	NE-3	No	n/a	n/a	EPA 1989	0.05	7	0.003339	0.006643	unknown	ShapiroWilk
Tin (mg/l)	NE-6	No	n/a	n/a	EPA 1989	0.05	7	0.000...	0.0001749	unknown	ShapiroWilk
Tin (mg/l)	CLASSIDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.000235	0.00017	unknown	ShapiroWilk
Tin (mg/l)	CLASSIVDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.0002	0.0001	unknown	ShapiroWilk
Tin (mg/l)	SP-NE-3	No	n/a	n/a	EPA 1989	0.05	5	0.000198	0.0001073	unknown	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	MW-4	No	n/a	n/a	EPA 1989	0.05	45	2.55	7.558	unknown	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	**CAO-1**	**Yes**	**83**	**12/8/2010**	**EPA 1989**	**0.05**	**31**	**10.77**	**14.07**	**normal**	**ShapiroWilk**
TOC [Total Organic Carbon] (mg/l)	CAO-2	No	n/a	n/a	EPA 1989	0.05	31	3.109	2.767	ln(x)	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	CAO-3	No	n/a	n/a	EPA 1989	0.05	31	2.296	2.218	unknown	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	LEACHATE	No	n/a	n/a	EPA 1989	0.05	5	91.28	28.8	normal	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	MW-1	No	n/a	n/a	EPA 1989	0.05	42	5.141	10.44	unknown	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	NE-2	No	n/a	n/a	EPA 1989	0.05	7	59.03	33.28	normal	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	NE-3	No	n/a	n/a	EPA 1989	0.05	7	2.15	1.845	normal	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	NE-6	No	n/a	n/a	EPA 1989	0.05	7	0.9429	0.8859	normal	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	CLASSIDRAW	No	n/a	n/a	EPA 1989	0.05	4	6.823	2.095	normal	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	CLASSIVDRAW	No	n/a	n/a	EPA 1989	0.05	4	6.17	2.541	normal	ShapiroWilk
TOC [Total Organic Carbon] (mg/l)	SP-NE-3	No	n/a	n/a	EPA 1989	0.05	5	3.024	0.9275	normal	ShapiroWilk
Vanadium (mg/l)	MW-4	No	n/a	n/a	EPA 1989	0.05	45	0.06648	0.09087	unknown	ShapiroWilk
Vanadium (mg/l)	CAO-1	No	n/a	n/a	EPA 1989	0.05	31	0.005658	0.004753	unknown	ShapiroWilk
Vanadium (mg/l)	CAO-2	No	n/a	n/a	EPA 1989	0.05	31	0.007857	0.01274	unknown	ShapiroWilk
Vanadium (mg/l)	CAO-3	No	n/a	n/a	EPA 1989	0.05	31	0.005832	0.005792	unknown	ShapiroWilk
Vanadium (mg/l)	**LEACHATE**	**Yes**	**0.00009**	**12/16/2015**	**EPA 1989**	**0.05**	**5**	**0.004078**	**0.003006**	**normal**	**ShapiroWilk**
Vanadium (mg/l)	MW-1	No	n/a	n/a	EPA 1989	0.05	42	0.07128	0.09235	unknown	ShapiroWilk
Vanadium (mg/l)	MW-2	No	n/a	n/a	EPA 1989	0.05	45	0.06592	0.09116	unknown	ShapiroWilk
Vanadium (mg/l)	MW-3	No	n/a	n/a	EPA 1989	0.05	45	0.0673	0.09054	unknown	ShapiroWilk
Vanadium (mg/l)	MW-5	No	n/a	n/a	EPA 1989	0.05	45	0.06648	0.09091	unknown	ShapiroWilk
Vanadium (mg/l)	MW-509D	No	n/a	n/a	EPA 1989	0.05	28	0.01409	0.02041	unknown	ShapiroWilk
Vanadium (mg/l)	MW-577	No	n/a	n/a	EPA 1989	0.05	26	0.005426	0.005193	unknown	ShapiroWilk
Vanadium (mg/l)	MW-6	No	n/a	n/a	EPA 1989	0.05	45	0.06675	0.09081	unknown	ShapiroWilk
Vanadium (mg/l)	MW-633D	No	n/a	n/a	EPA 1989	0.05	28	0.004449	0.001926	unknown	ShapiroWilk
Vanadium (mg/l)	MW-689D	No	n/a	n/a	EPA 1989	0.05	26	0.008984	0.0104	unknown	ShapiroWilk
Vanadium (mg/l)	MW-7	No	n/a	n/a	EPA 1989	0.05	45	0.06665	0.09084	unknown	ShapiroWilk
Vanadium (mg/l)	NAB-1	No	n/a	n/a	EPA 1989	0.05	24	0.008917	0.01176	unknown	ShapiroWilk
Vanadium (mg/l)	NAB-2	No	n/a	n/a	EPA 1989	0.05	28	0.005756	0.004987	unknown	ShapiroWilk
Vanadium (mg/l)	NAB-3	No	n/a	n/a	EPA 1989	0.05	28	0.007014	0.009278	unknown	ShapiroWilk
Vanadium (mg/l)	NAB-4	No	n/a	n/a	EPA 1989	0.05	27	0.007614	0.01216	unknown	ShapiroWilk
Vanadium (mg/l)	NAB-7	No	n/a	n/a	EPA 1989	0.05	28	0.006306	0.006926	unknown	ShapiroWilk
Zinc (mg/l)	MW-6	No	n/a	n/a	EPA 1989	0.05	45	0.03213	0.01464	unknown	ShapiroWilk

Outlier Analysis

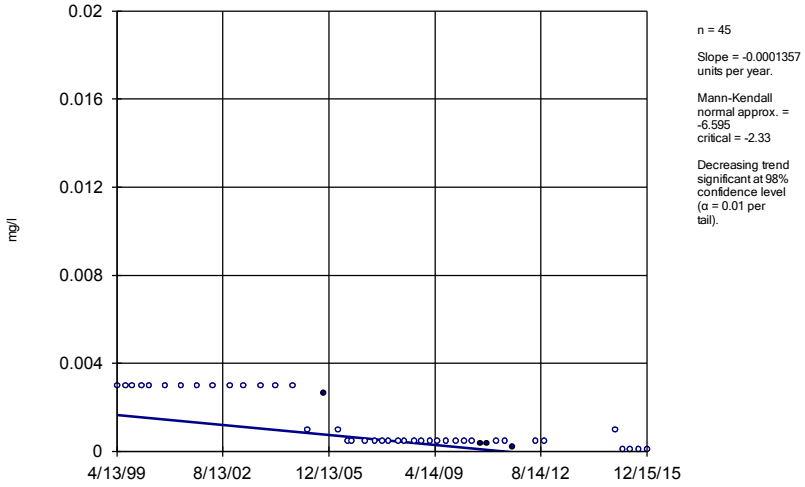
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat Printed 2/2/2016, 11:10 AM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Zinc (mg/l)	**MW-633D**	**Yes**	**0.032**	**11/6/2007**	**EPA 1989**	**0.05**	**28**	**0.2135**	**0.05518**	**normal**	**ShapiroWilk**
Zinc (mg/l)	MW-689D	No	n/a	n/a	EPA 1989	0.05	26	0.03363	0.0416	unknown	ShapiroWilk
Zinc (mg/l)	MW-7	No	n/a	n/a	EPA 1989	0.05	45	0.01743	0.01563	unknown	ShapiroWilk
Zinc (mg/l)	NAB-1	No	n/a	n/a	EPA 1989	0.05	24	0.127	0.07209	normal	ShapiroWilk
Zinc (mg/l)	NAB-2	No	n/a	n/a	EPA 1989	0.05	28	0.03677	0.01429	normal	ShapiroWilk
Zinc (mg/l)	NAB-3	No	n/a	n/a	EPA 1989	0.05	28	0.1107	0.04628	ln(x)	ShapiroWilk
Zinc (mg/l)	NAB-4	No	n/a	n/a	EPA 1989	0.05	27	0.4908	0.21	normal	ShapiroWilk
Zinc (mg/l)	NAB-7	No	n/a	n/a	EPA 1989	0.05	28	0.04789	0.02808	unknown	ShapiroWilk
Zinc (mg/l)	NAB-8	No	n/a	n/a	EPA 1989	0.05	21	0.04735	0.1499	unknown	ShapiroWilk
Zinc (mg/l)	SP-7	No	n/a	n/a	EPA 1989	0.05	17	0.01719	0.01869	ln(x)	ShapiroWilk
Zinc (mg/l)	**SPRINGA**	**Yes**	**0.00128**	**9/16/2015**	**EPA 1989**	**0.05**	**25**	**0.06503**	**0.04687**	**ln(x)**	**ShapiroWilk**
Zinc (mg/l)	SPRINGB	No	n/a	n/a	EPA 1989	0.05	12	0.02238	0.01614	normal	ShapiroWilk
Zinc (mg/l)	TSP-1	No	n/a	n/a	EPA 1989	0.05	10	0.0705	0.03918	normal	ShapiroWilk
Zinc (mg/l)	**TSP-2**	**Yes**	**0.0089**	**9/21/2010**	**EPA 1989**	**0.05**	**10**	**0.08209**	**0.05464**	**ln(x)**	**ShapiroWilk**
Zinc (mg/l)	TSP-3	No	n/a	n/a	EPA 1989	0.05	11	0.3085	0.9922	unknown	ShapiroWilk
Zinc (mg/l)	TSP-4	No	n/a	n/a	EPA 1989	0.05	5	0.01532	0.01744	normal	ShapiroWilk
Zinc (mg/l)	LFENTRANC...	No	n/a	n/a	EPA 1989	0.05	5	0.02426	0.04052	ln(x)	ShapiroWilk
Zinc (mg/l)	**MW-1R**	**Yes**	**4.8,0.85**	**6/21/2012...**	**EPA 1989**	**0.05**	**7**	**1.884**	**1.313**	**normal**	**ShapiroWilk**
Zinc (mg/l)	NE-2	No	n/a	n/a	EPA 1989	0.05	7	0.2107	0.3598	ln(x)	ShapiroWilk
Zinc (mg/l)	NE-3	No	n/a	n/a	EPA 1989	0.05	7	0.09237	0.08162	ln(x)	ShapiroWilk
Zinc (mg/l)	**NE-6**	**Yes**	**0.35**	**12/16/2014**	**EPA 1989**	**0.05**	**7**	**0.6129**	**0.1279**	**normal**	**ShapiroWilk**
Zinc (mg/l)	CLASSIDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.01377	0.01558	normal	ShapiroWilk
Zinc (mg/l)	CLASSIVDRAW	No	n/a	n/a	EPA 1989	0.05	4	0.04007	0.04297	normal	ShapiroWilk
Zinc (mg/l)	SP-NE-3	No	n/a	n/a	EPA 1989	0.05	5	0.02956	0.03326	normal	ShapiroWilk

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Sen's Slope Estimator

MW-4



n = 45

Slope = -0.0001357 units per year.

Mann-Kendall normal approx. = -6.595
critical = -2.33

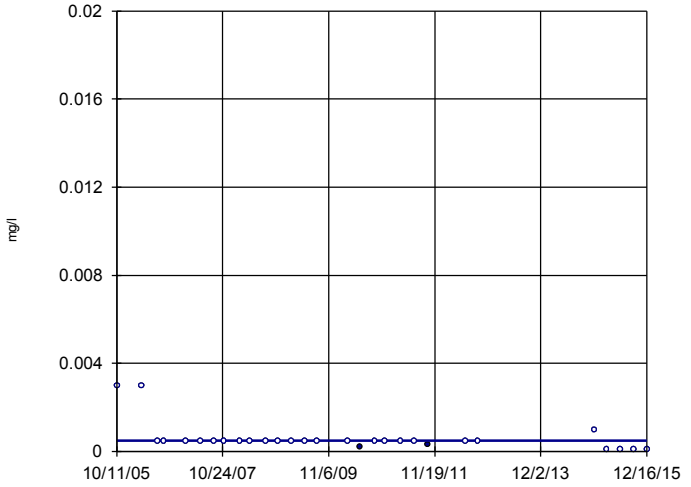
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Antimony Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-1



n = 29

Slope = 0 units per year.

Mann-Kendall statistic = -147
critical = -125

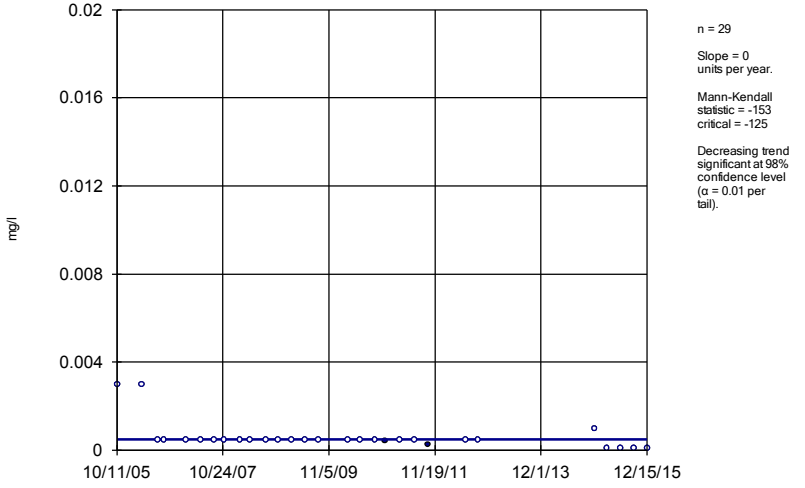
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

CAO-2



n = 29

Slope = 0 units per year.

Mann-Kendall statistic = -153
critical = -125

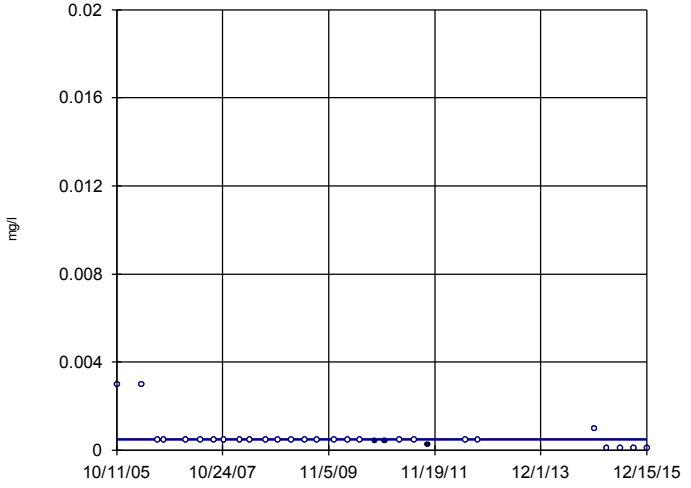
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Antimony Analysis Run 2/2/2016 1:57 PM
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Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-3



n = 30

Slope = 0 units per year.

Mann-Kendall statistic = -172
critical = -132

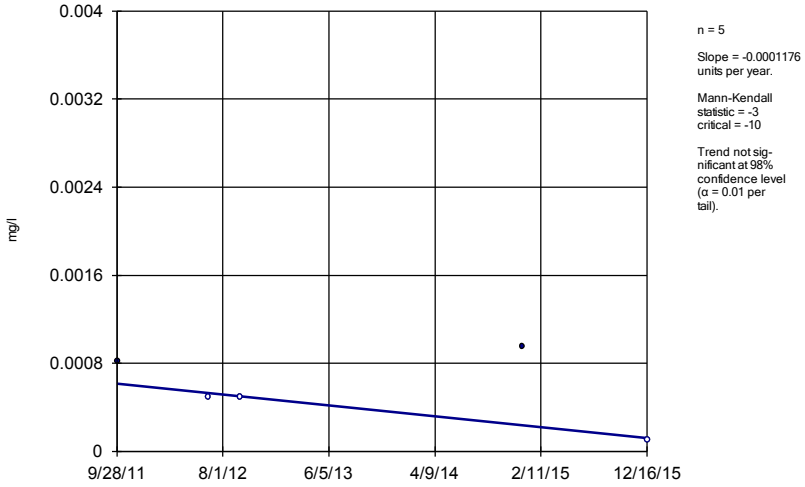
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Antimony Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

LEACHATE



n = 5

Slope = -0.0001176 units per year.

Mann-Kendall statistic = -3
critical = -10

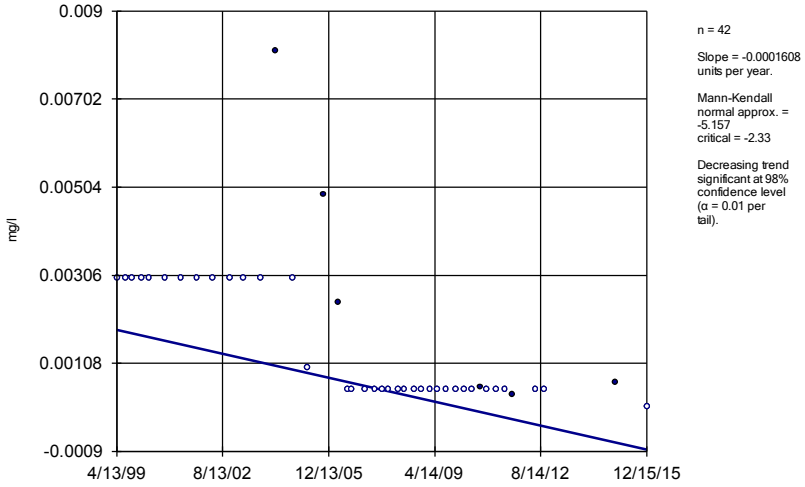
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Antimony Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-1



n = 42

Slope = -0.0001608 units per year.

Mann-Kendall normal approx. = -5.157
critical = -2.33

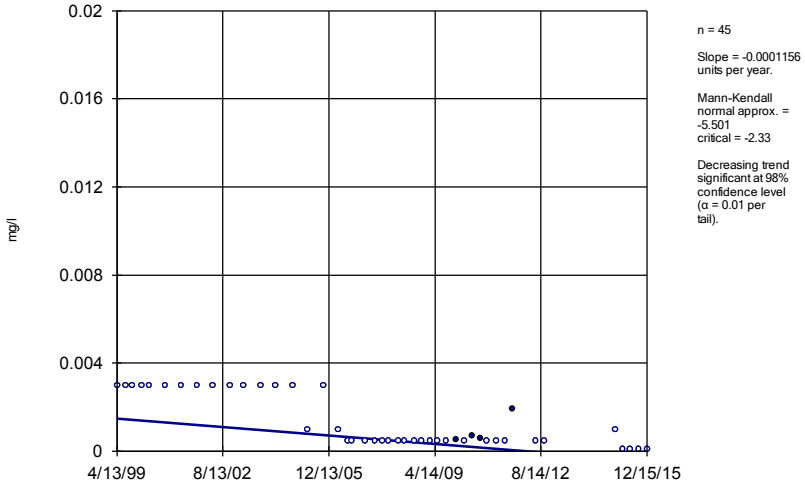
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Antimony Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-2



n = 45

Slope = -0.0001156 units per year.

Mann-Kendall normal approx. = -5.501
critical = -2.33

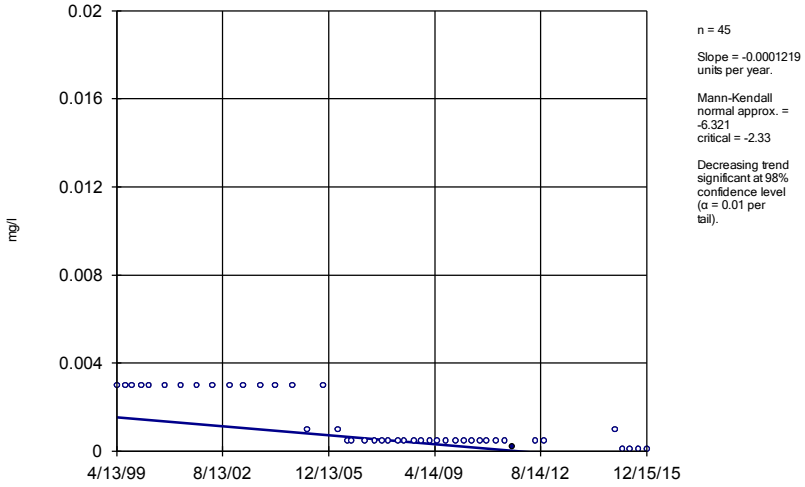
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Antimony Analysis Run 2/2/2016 1:57 PM
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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-3



n = 45

Slope = -0.0001219 units per year.

Mann-Kendall normal approx. = -6.321
critical = -2.33

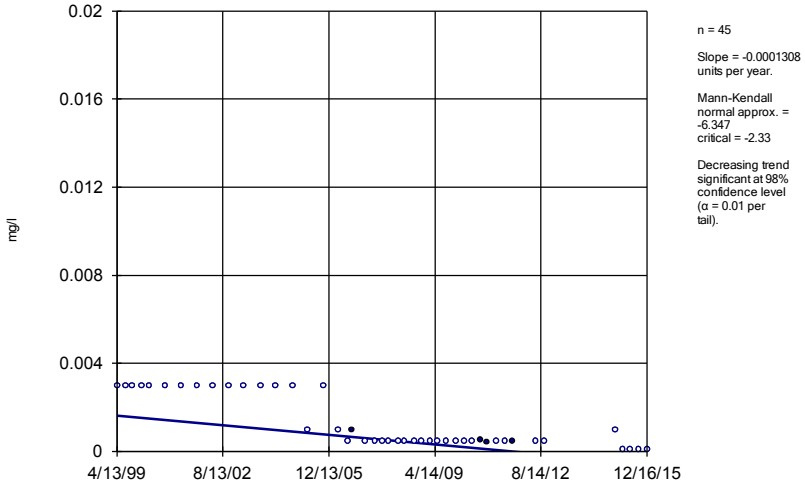
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Antimony Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-5



n = 45

Slope = -0.0001308 units per year.

Mann-Kendall normal approx. = -6.347
critical = -2.33

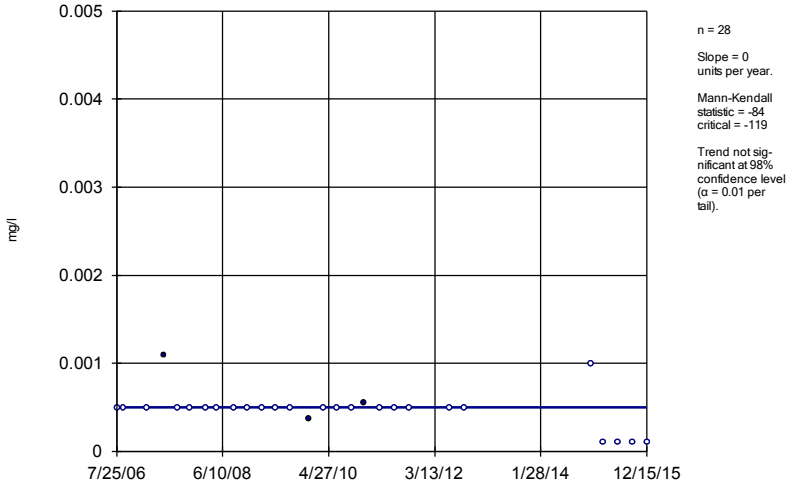
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Antimony Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-509D



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = -84
critical = -119

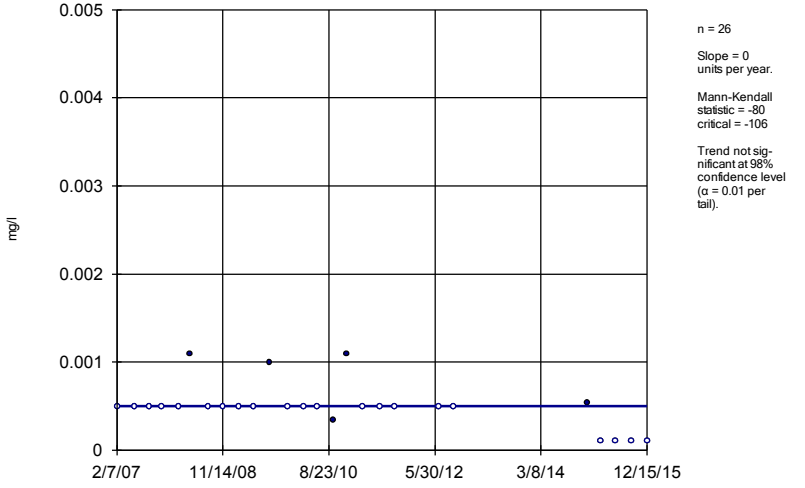
Trend not significant at 98% confidence level (α = 0.01 per tail).

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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-577



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = -80
critical = -106

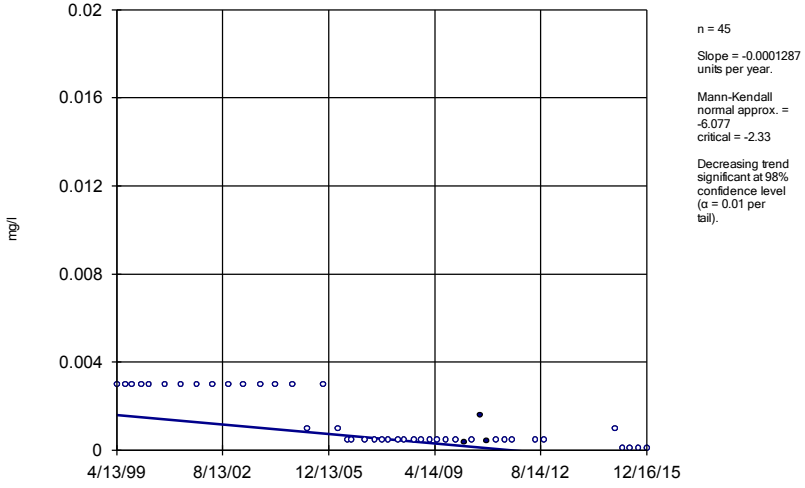
Trend not significant at 98% confidence level (α = 0.01 per tail).

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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-6



n = 45

Slope = -0.0001287 units per year.

Mann-Kendall normal approx. = -6.077
critical = -2.33

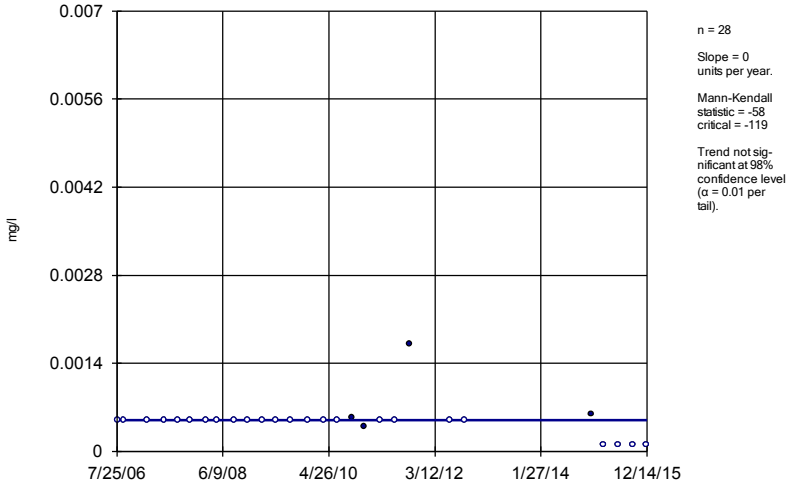
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Antimony Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-633D



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = -58
critical = -119

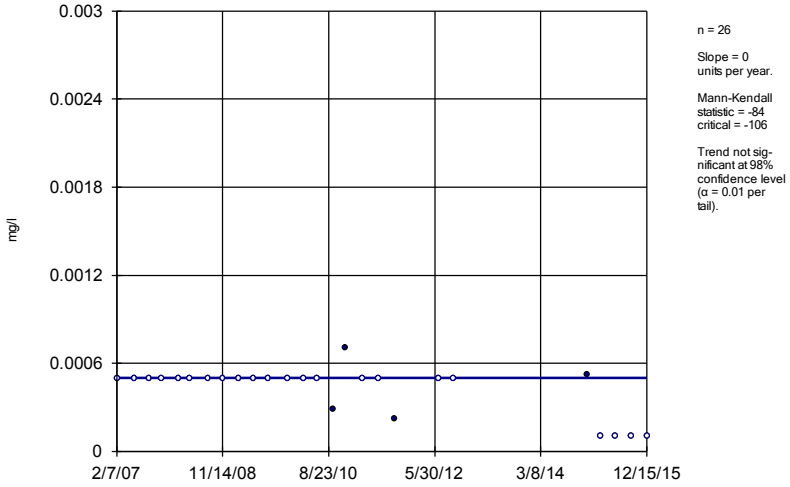
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-689D



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = -84
critical = -106

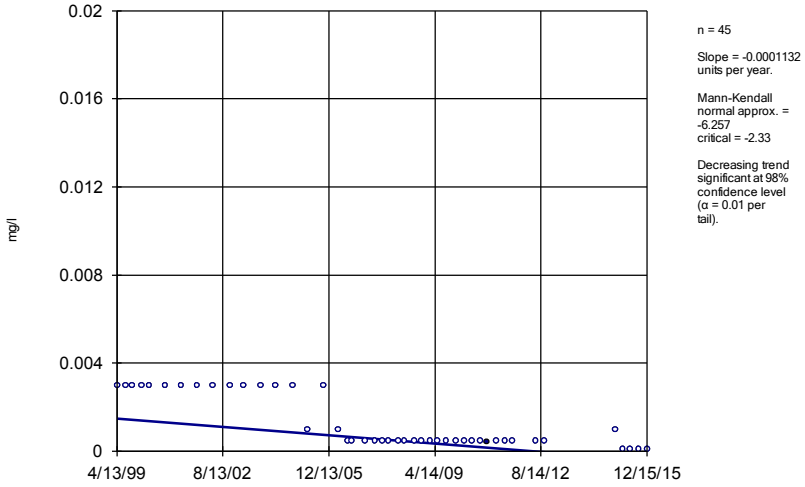
Trend not significant at 98% confidence level (α = 0.01 per tail).

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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-7



n = 45

Slope = -0.0001132 units per year.

Mann-Kendall normal approx. = -6.257
critical = -2.33

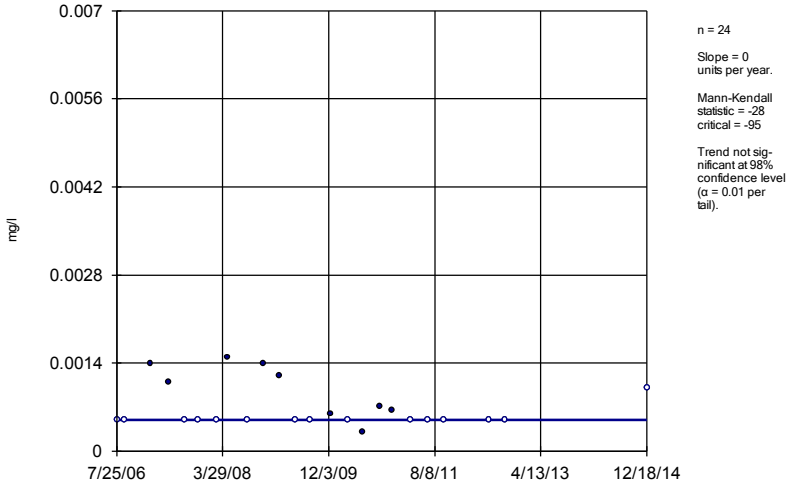
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Antimony Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-1



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = -28
critical = -95

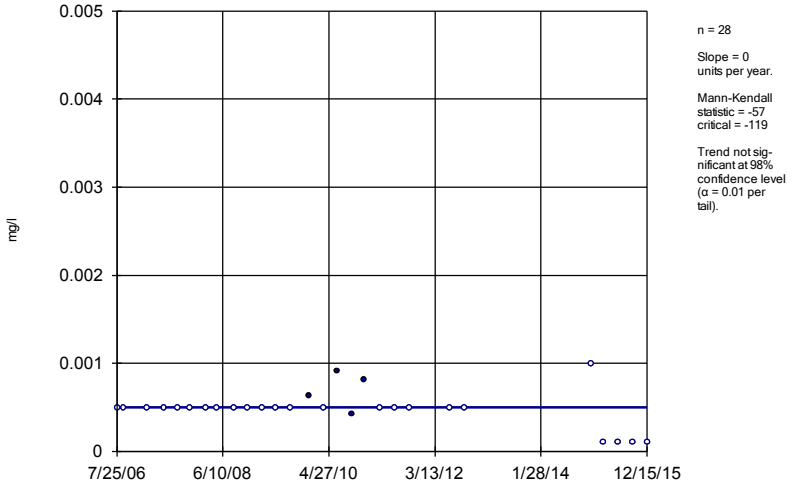
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Antimony Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-2



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = -57
critical = -119

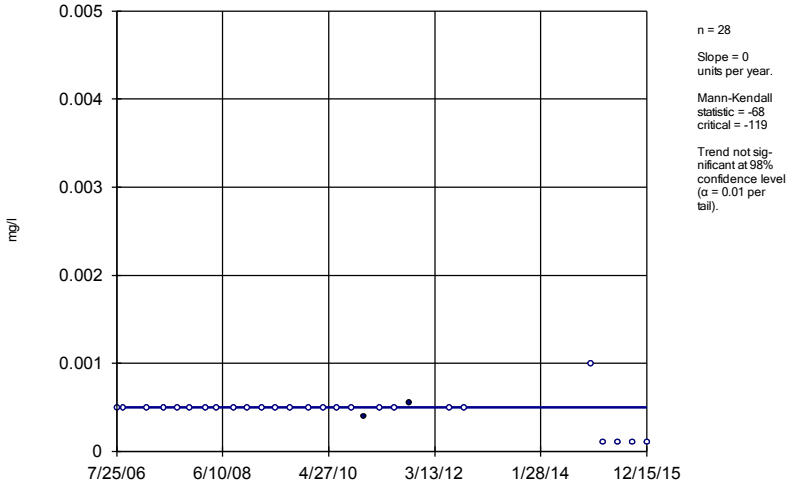
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Antimony Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-3



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = -68
critical = -119

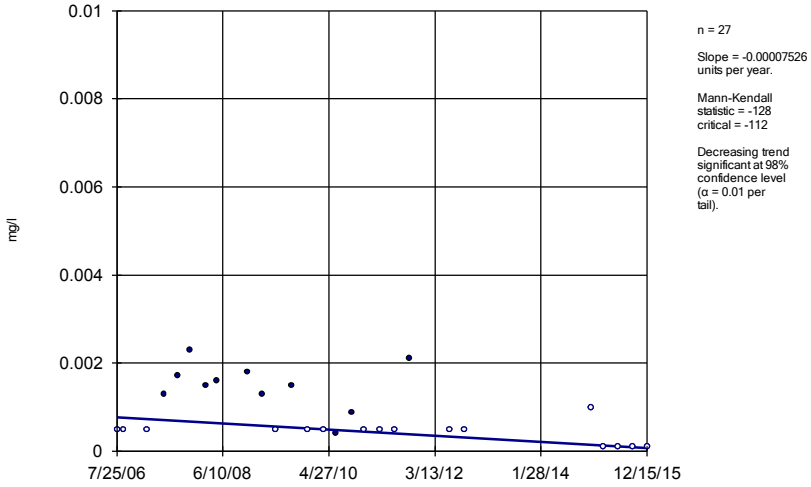
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Antimony Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-4



n = 27

Slope = -0.00007526 units per year.

Mann-Kendall statistic = -128
critical = -112

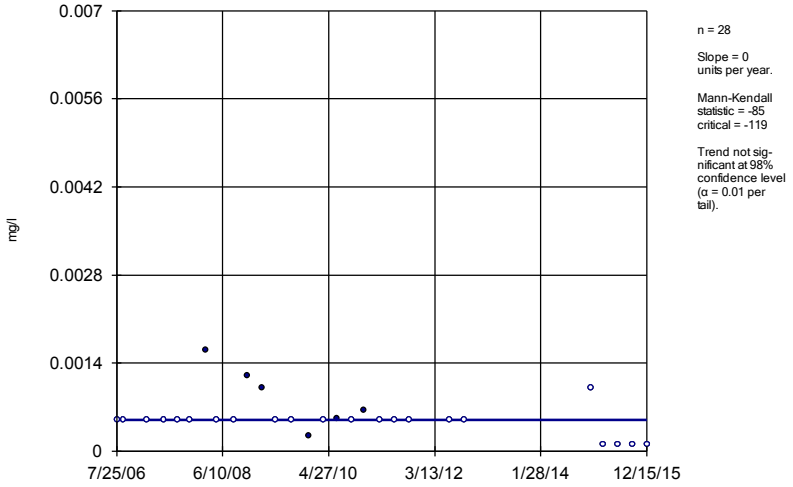
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Antimony Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-7



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = -85
critical = -119

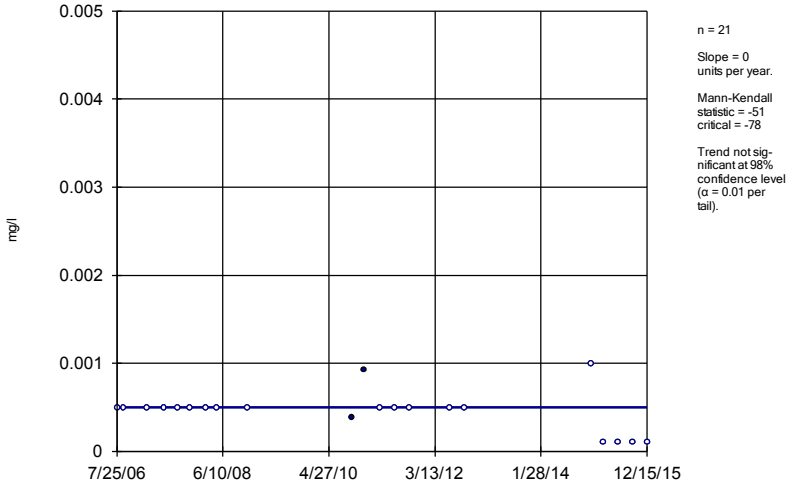
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Antimony Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-8



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = -51
critical = -78

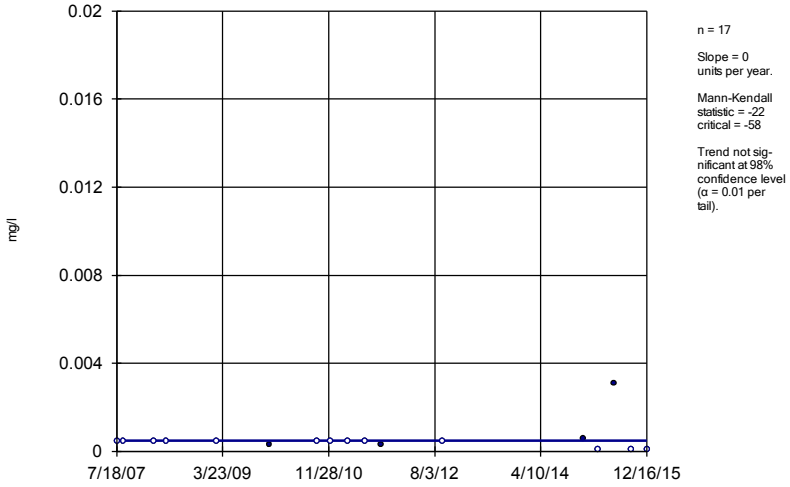
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Antimony Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-7



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -22
critical = -58

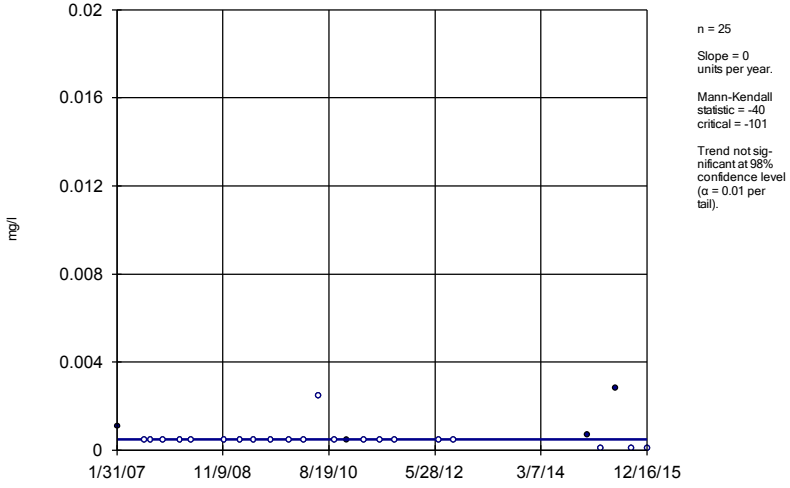
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Antimony Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGA



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -40
critical = -101

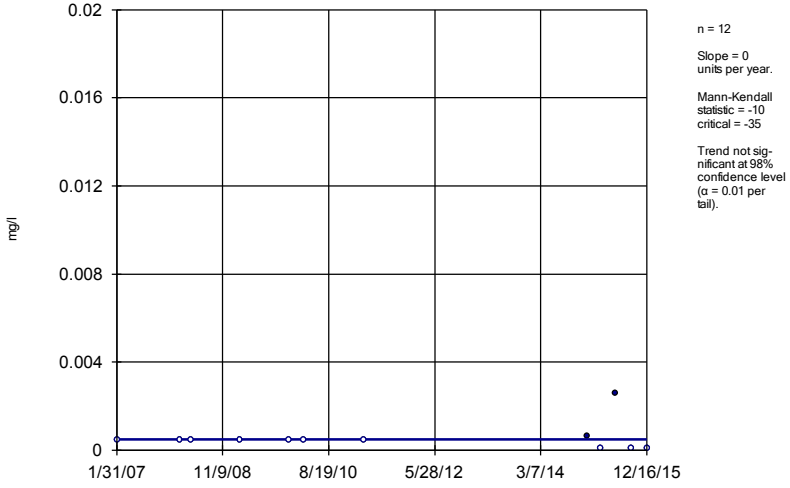
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Antimony Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGB



n = 12

Slope = 0 units per year.

Mann-Kendall statistic = -10
critical = -35

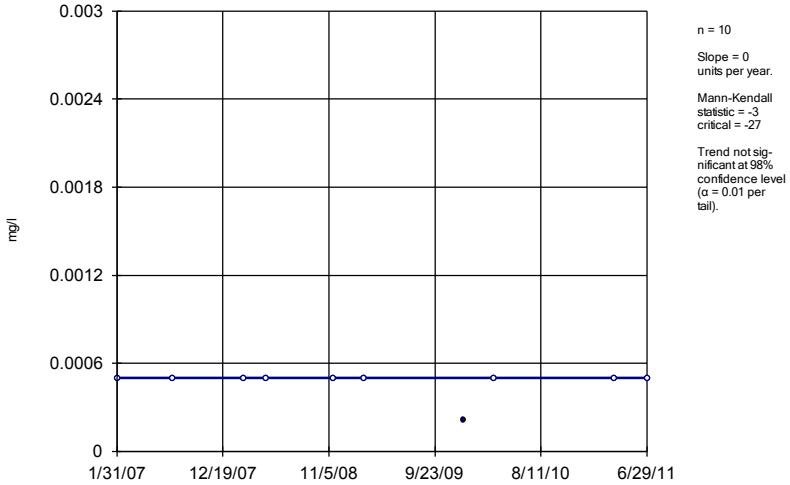
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Antimony Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-1



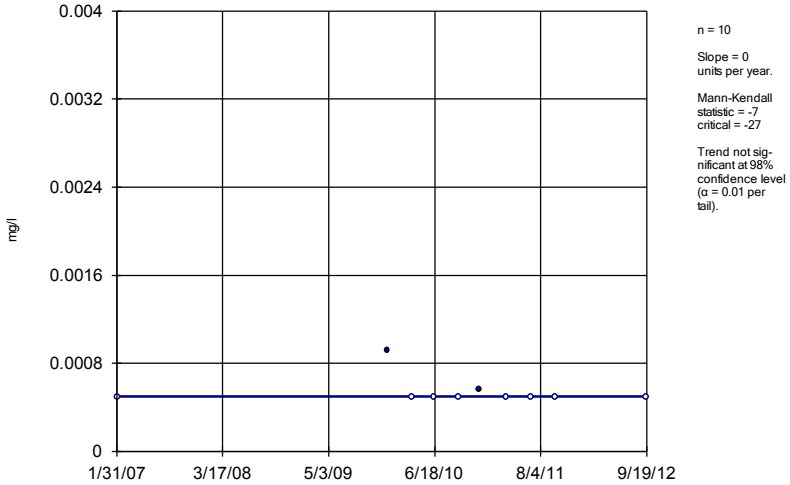
Constituent: Antimony Analysis Run 2/2/2016 1:57 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-2



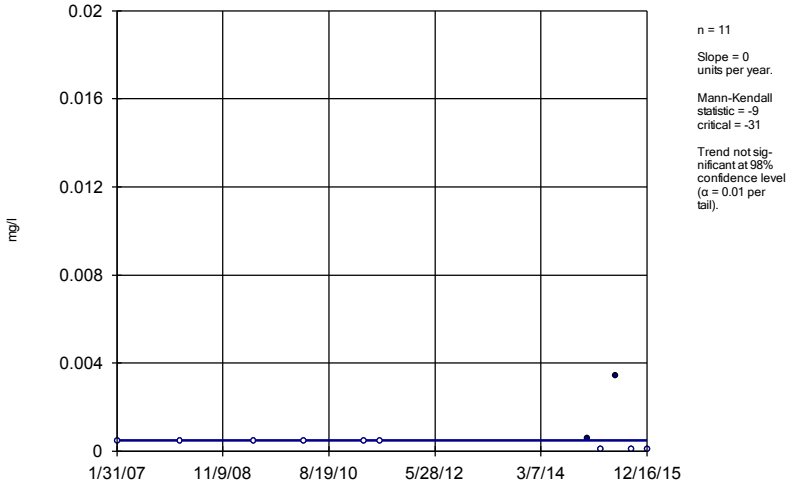
Constituent: Antimony Analysis Run 2/2/2016 1:57 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-3



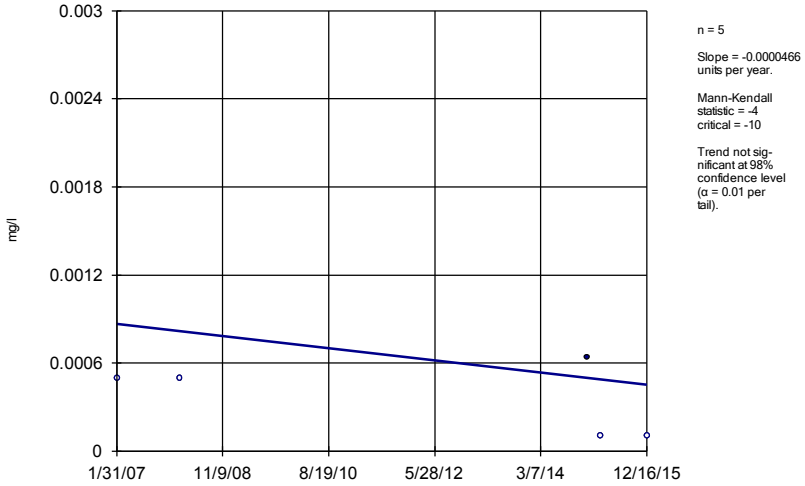
Constituent: Antimony Analysis Run 2/2/2016 1:57 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-4



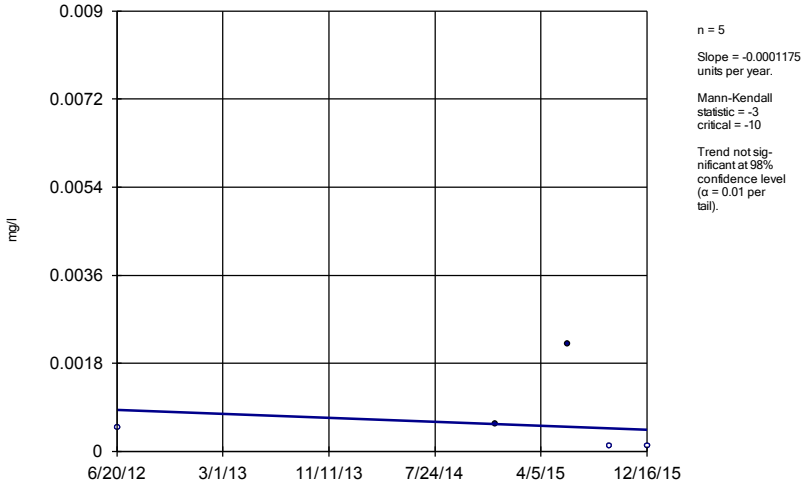
Constituent: Antimony Analysis Run 2/2/2016 1:57 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

LFENTRANCESEEP



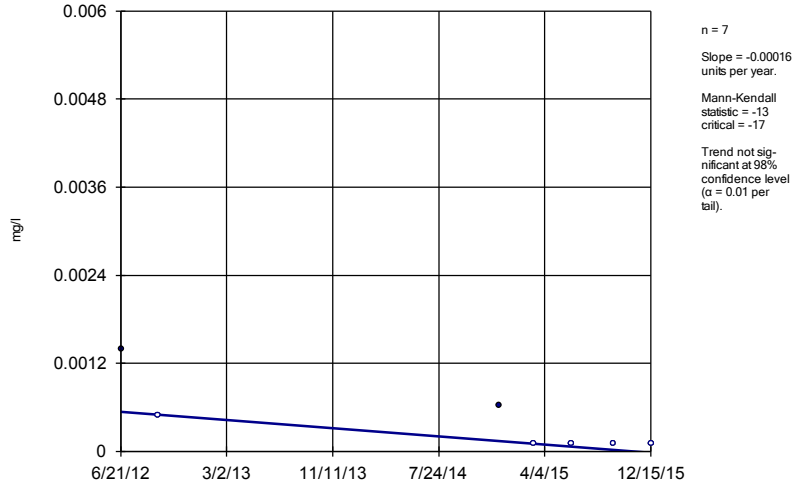
Constituent: Antimony Analysis Run 2/2/2016 1:57 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1R



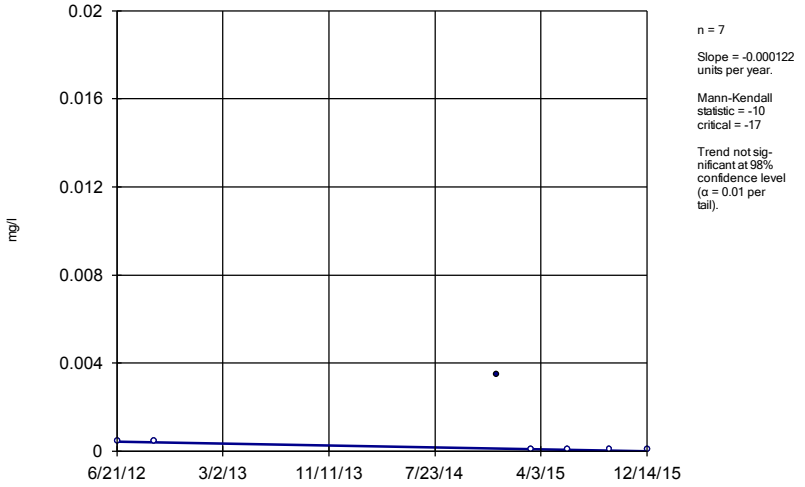
Constituent: Antimony Analysis Run 2/2/2016 1:57 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-2



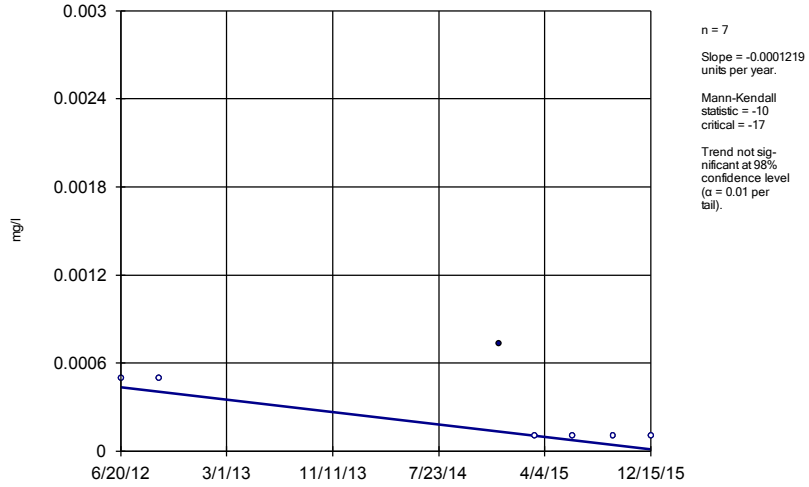
Constituent: Antimony Analysis Run 2/2/2016 1:57 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-3



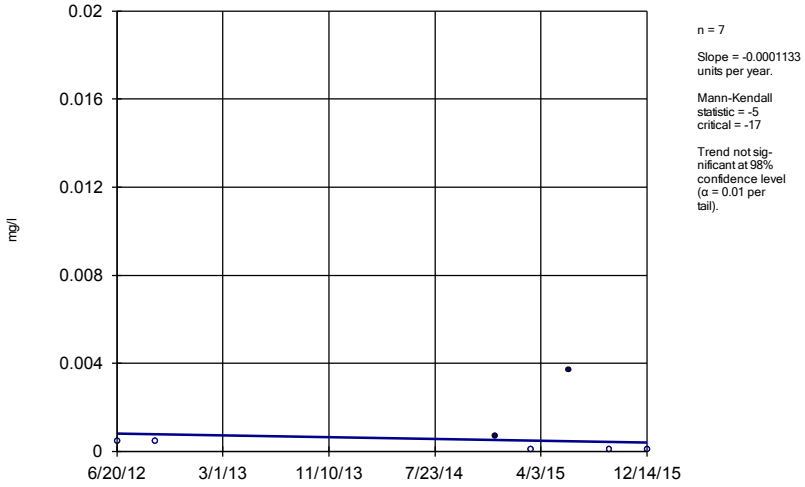
Constituent: Antimony Analysis Run 2/2/2016 1:57 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-6



n = 7

Slope = -0.0001133 units per year.

Mann-Kendall statistic = -5
critical = -17

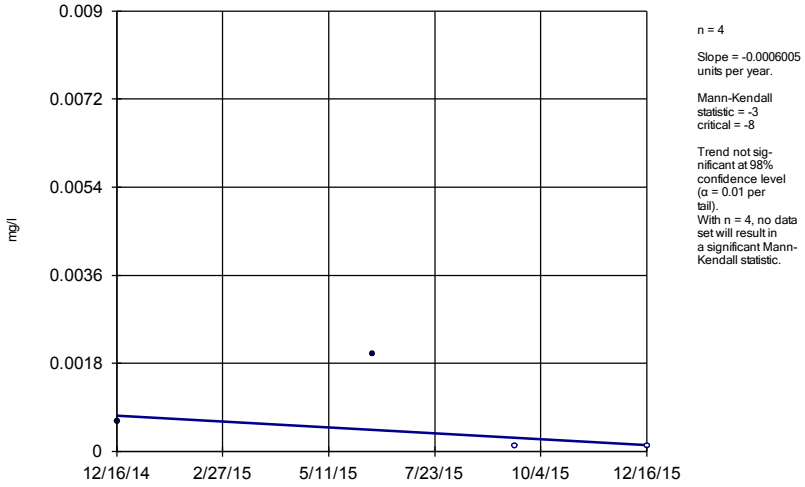
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Antimony Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIDRAW



n = 4

Slope = -0.0006005 units per year.

Mann-Kendall statistic = -3
critical = -8

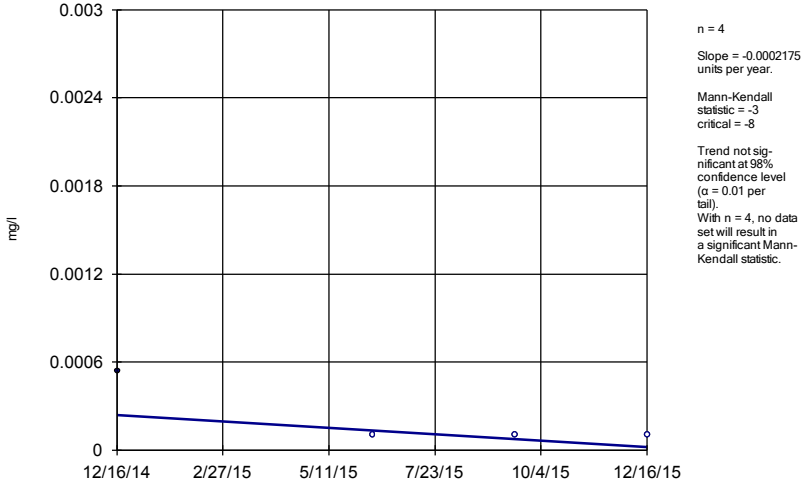
Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

Constituent: Antimony Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIVDRAW



n = 4

Slope = -0.0002175 units per year.

Mann-Kendall statistic = -3
critical = -8

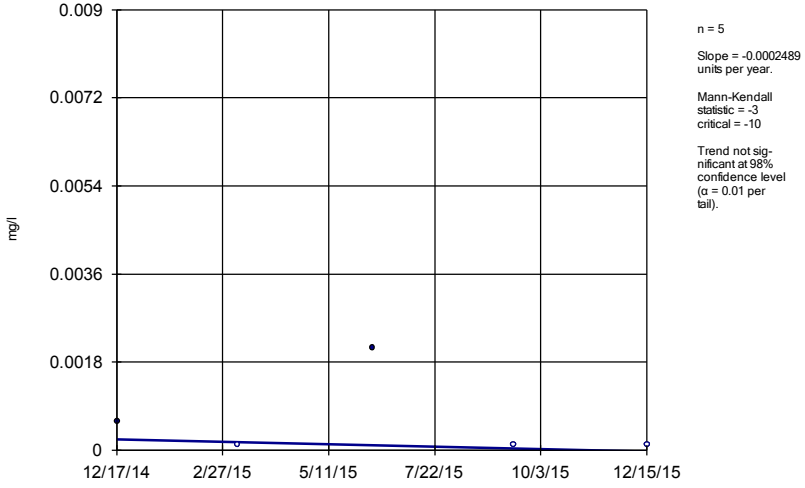
Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

Constituent: Antimony Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-NE-3



n = 5

Slope = -0.0002489 units per year.

Mann-Kendall statistic = -3
critical = -10

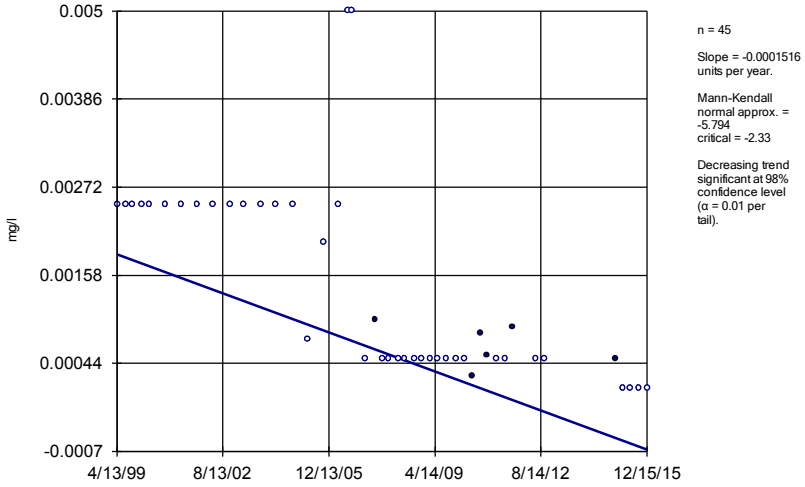
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Antimony Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-4



n = 45

Slope = -0.0001516 units per year.

Mann-Kendall normal approx. = -5.794
critical = -2.33

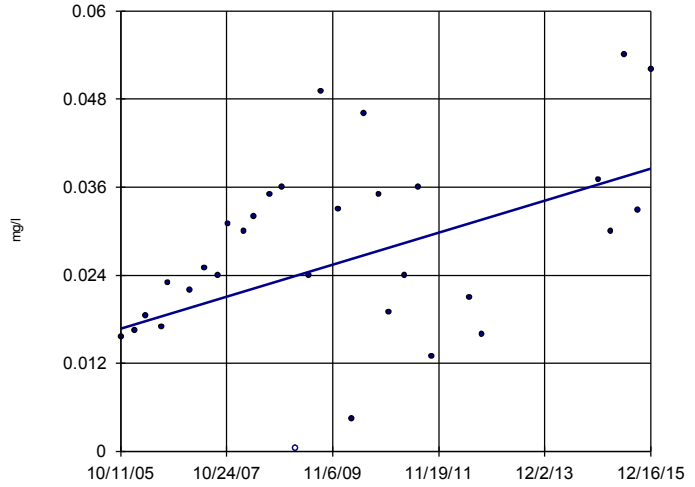
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-1



n = 31

Slope = 0.002137 units per year.

Mann-Kendall statistic = 155
critical = 138

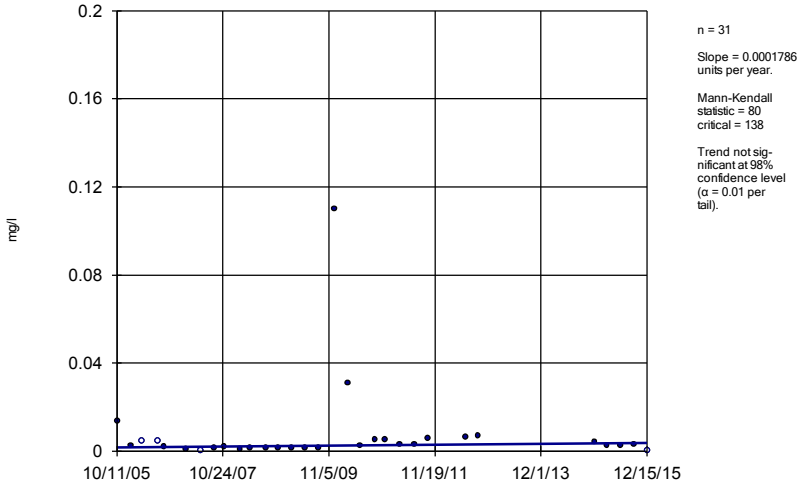
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-2



n = 31

Slope = 0.0001786 units per year.

Mann-Kendall statistic = 80
critical = 138

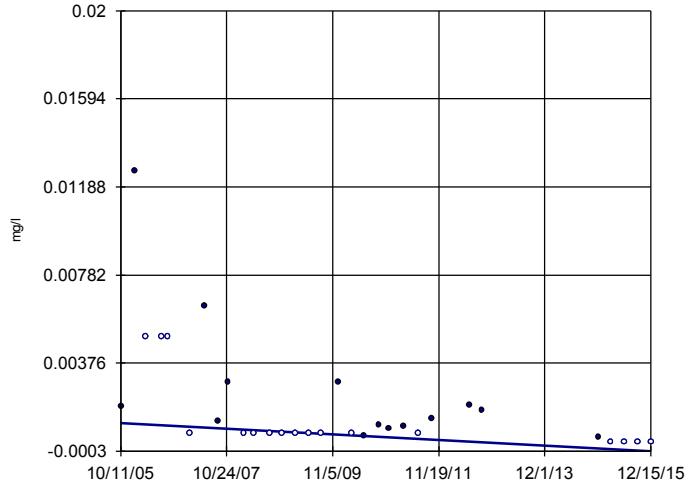
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-3



n = 31

Slope = -0.0001263 units per year.

Mann-Kendall statistic = -204
critical = -138

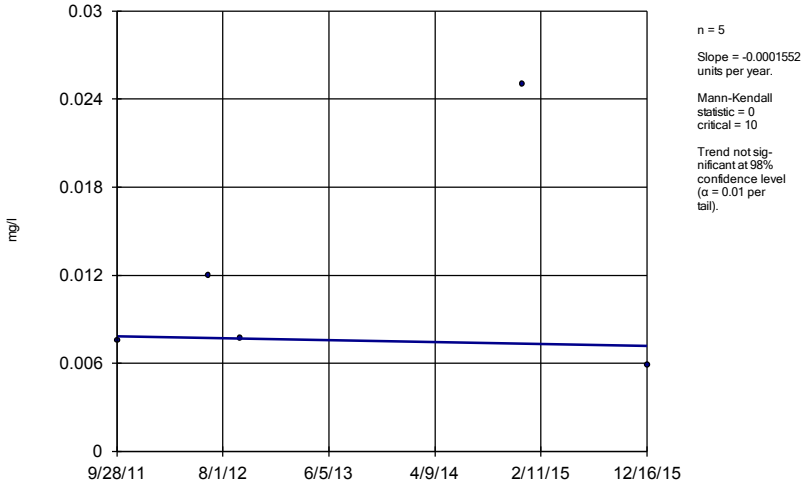
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

LEACHATE



n = 5

Slope = -0.0001552 units per year.

Mann-Kendall statistic = 0
critical = 10

Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM

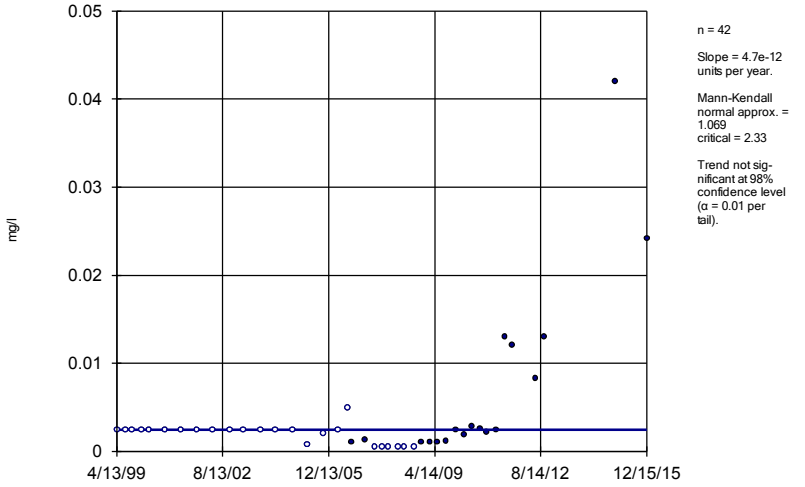
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1



n = 42

Slope = 4.7e-12 units per year.

Mann-Kendall normal approx. = 1.069
critical = 2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM

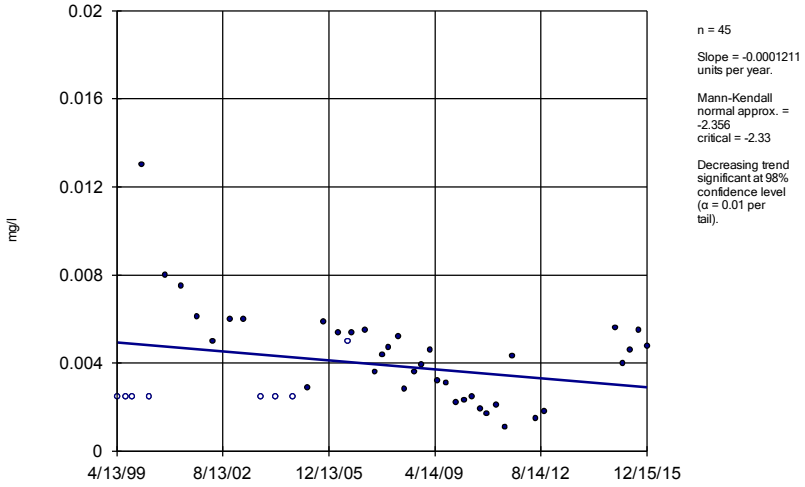
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-2



n = 45

Slope = -0.0001211 units per year.

Mann-Kendall normal approx. = -2.356
critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM

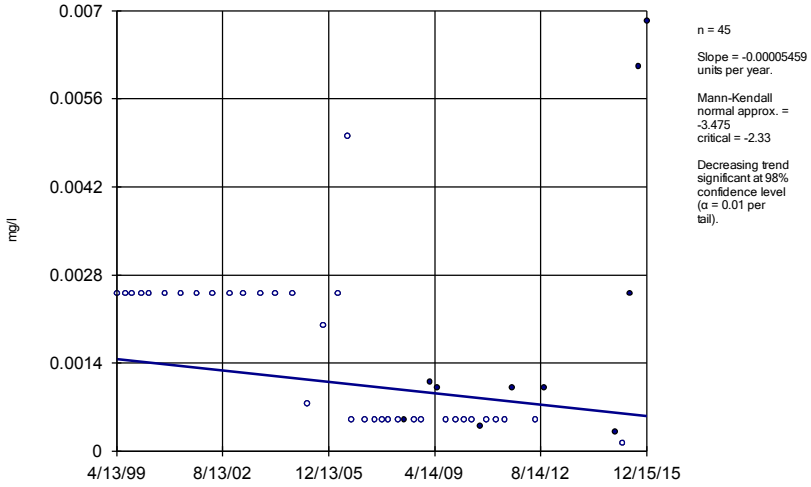
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-3



n = 45

Slope = -0.00005459 units per year.

Mann-Kendall normal approx. = -3.475
critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

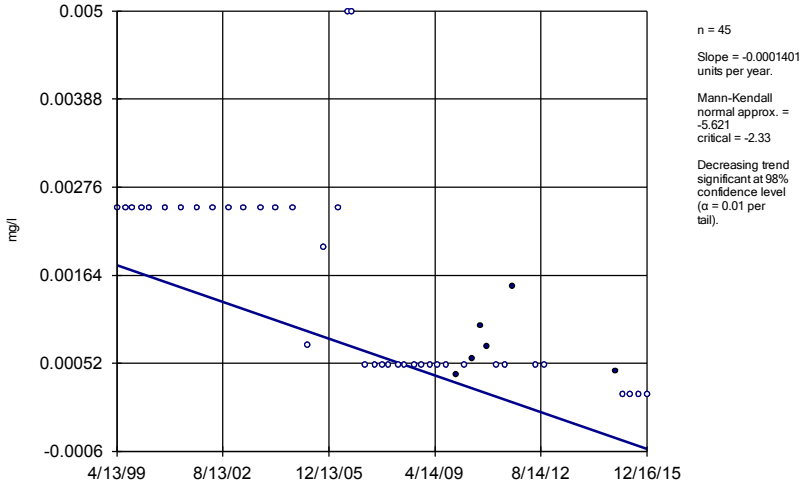
Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-5



n = 45

Slope = -0.0001401 units per year.

Mann-Kendall normal approx. = -5.621
critical = -2.33

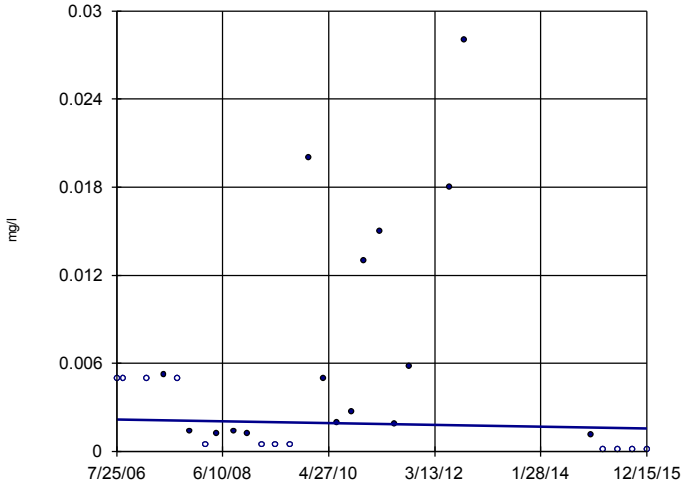
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-509D



n = 28

Slope = -0.00006195 units per year.

Mann-Kendall statistic = -56
critical = -119

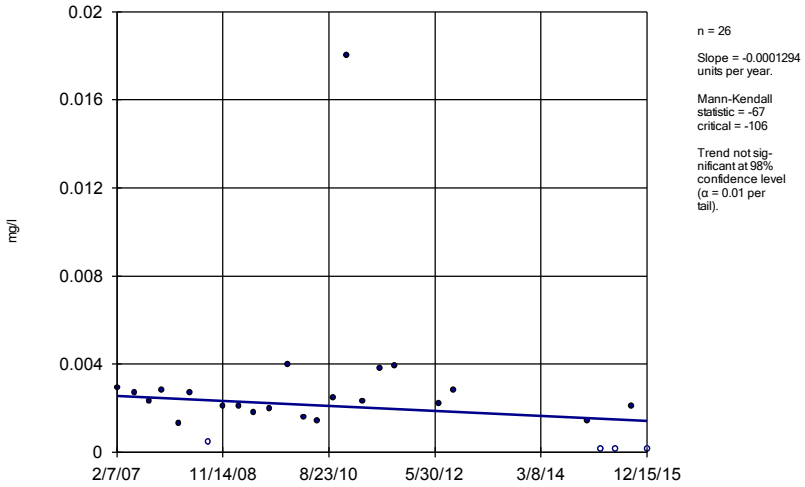
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-577



n = 26

Slope = -0.0001294 units per year.

Mann-Kendall statistic = -67
critical = -106

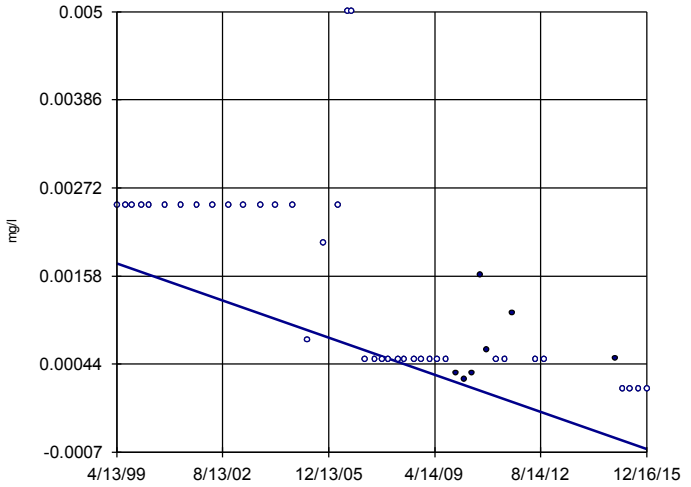
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-6



n = 45

Slope = -0.000144 units per year.

Mann-Kendall normal approx. = -5.515
critical = -2.33

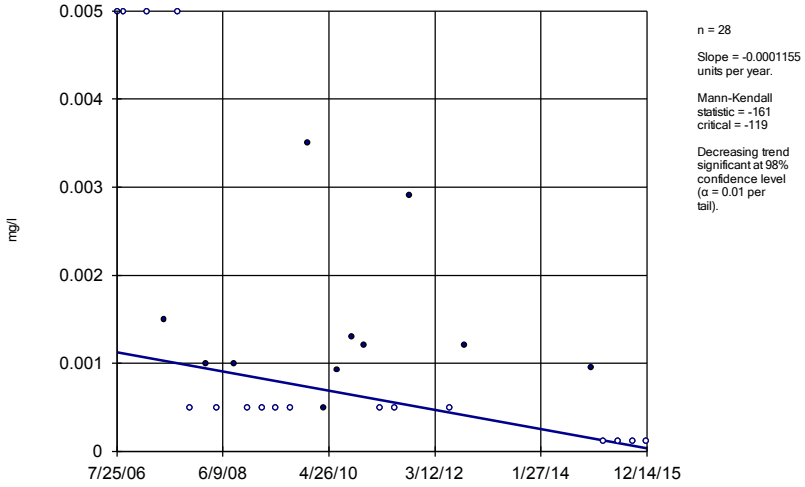
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-633D



n = 28

Slope = -0.0001155 units per year.

Mann-Kendall statistic = -161
critical = -119

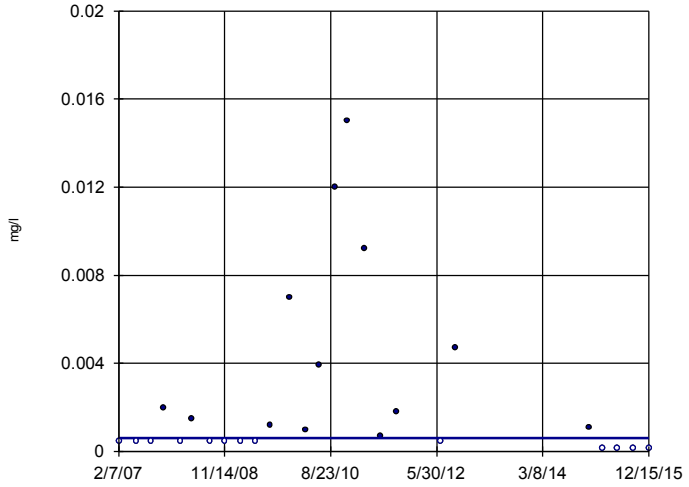
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-689D



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = -11
critical = -106

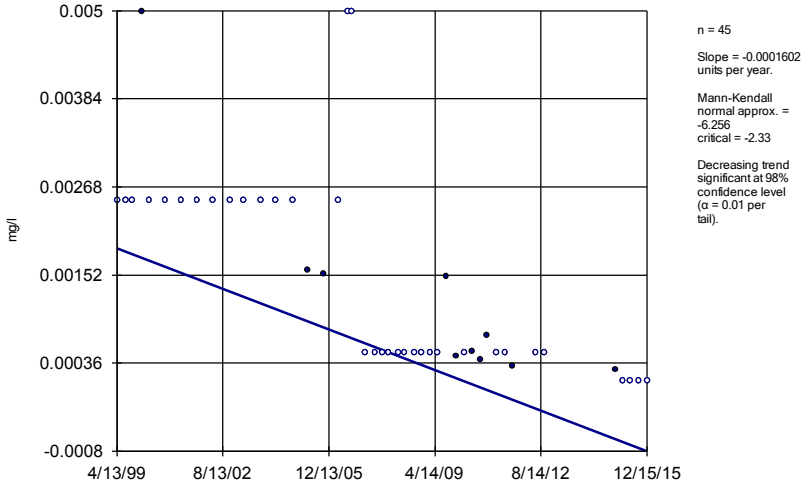
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-7



n = 45

Slope = -0.0001602 units per year.

Mann-Kendall normal approx. = -6.256
critical = -2.33

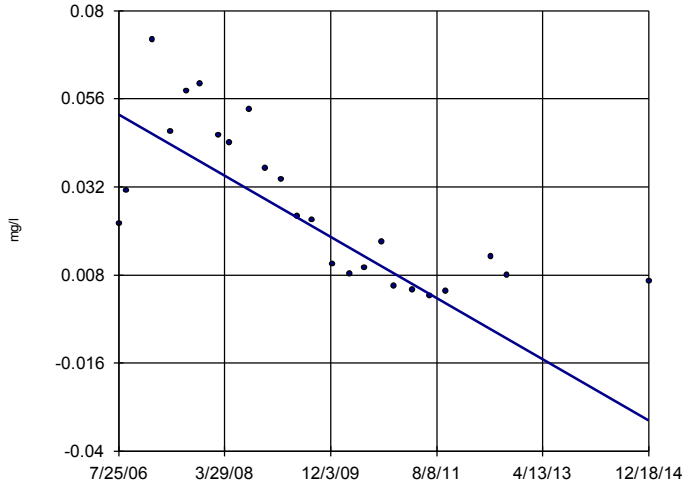
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-1



n = 24

Slope = -0.009902 units per year.

Mann-Kendall statistic = -182
critical = -95

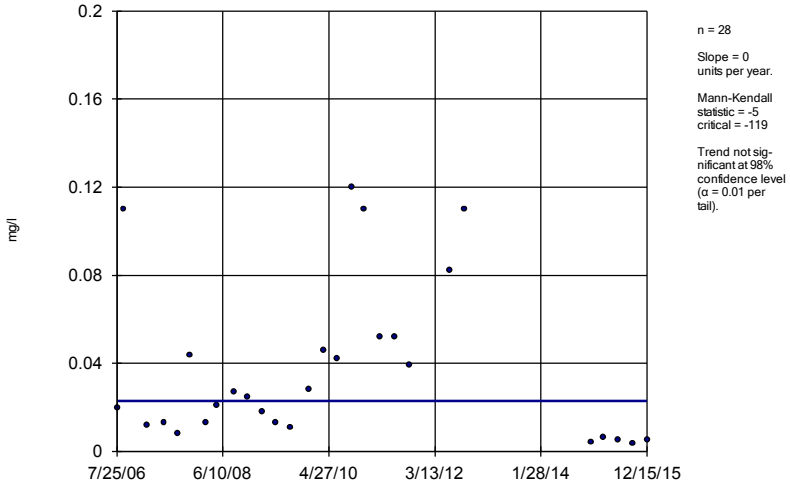
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-2



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = -5
critical = -119

Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM

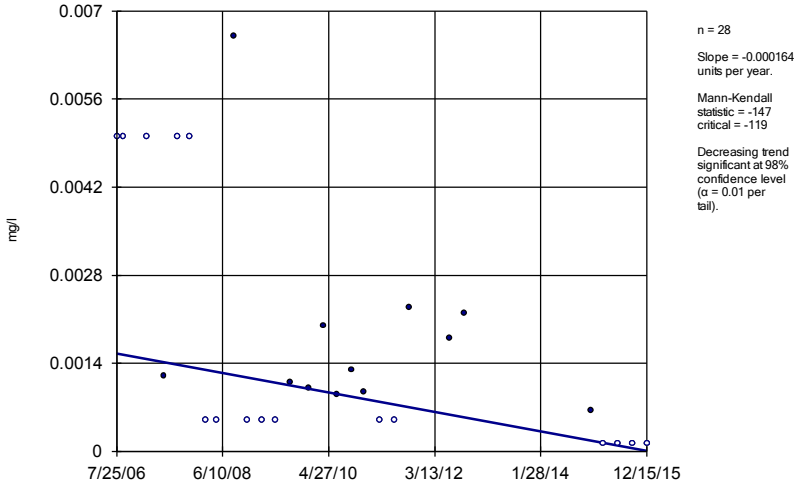
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-3



n = 28

Slope = -0.000164 units per year.

Mann-Kendall statistic = -147
critical = -119

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM

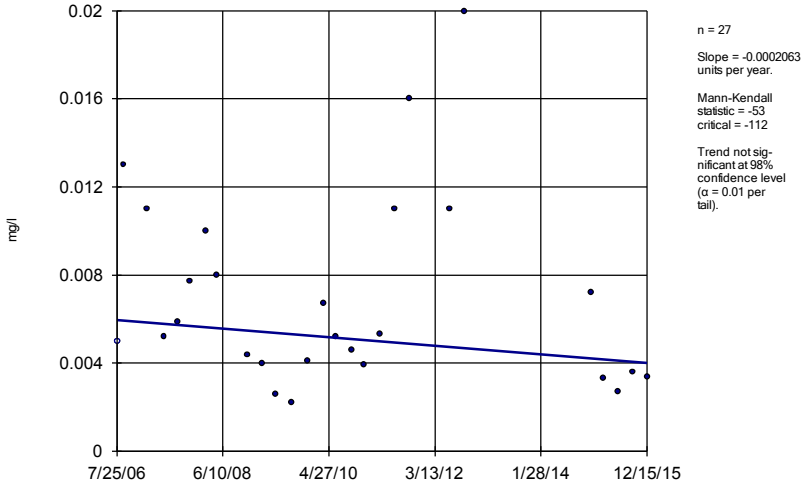
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-4



n = 27

Slope = -0.0002063 units per year.

Mann-Kendall statistic = -53
critical = -112

Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM

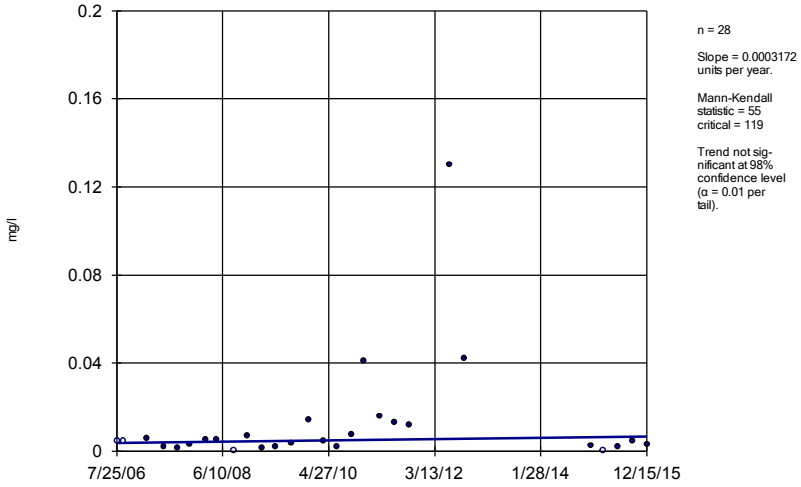
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-7



n = 28

Slope = 0.0003172 units per year.

Mann-Kendall statistic = 55
critical = 119

Trend not significant at 98% confidence level (α = 0.01 per tail).

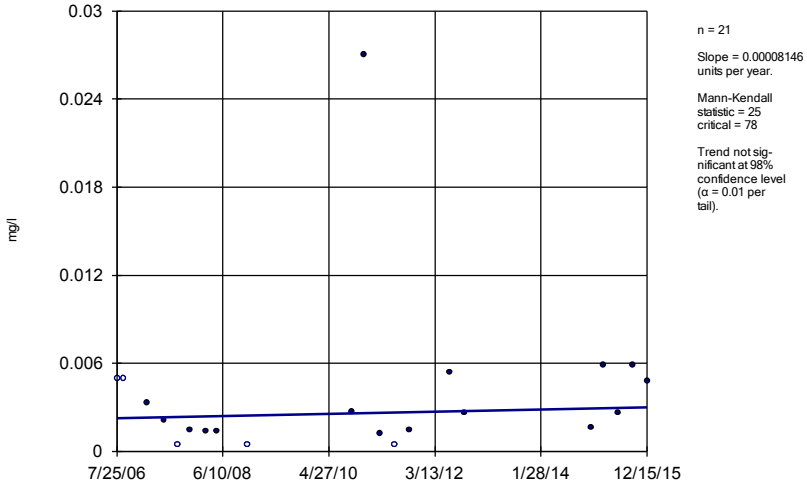
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-8



n = 21

Slope = 0.00008146 units per year.

Mann-Kendall statistic = 25
critical = 78

Trend not significant at 98% confidence level (α = 0.01 per tail).

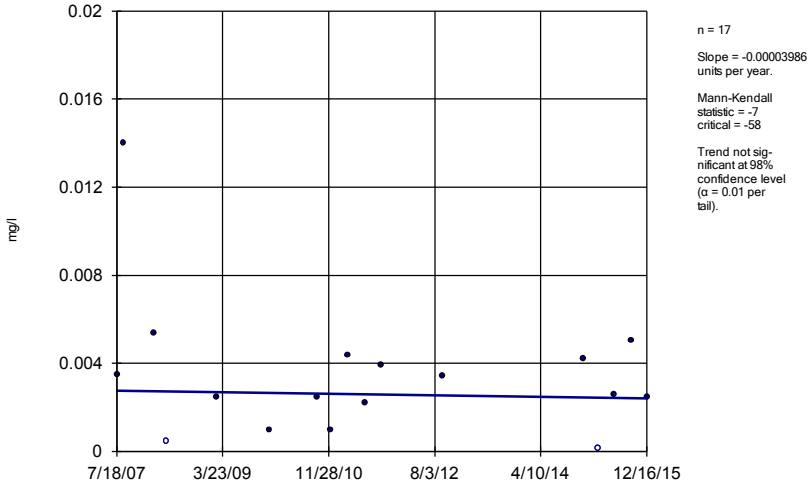
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-7



n = 17

Slope = -0.00003986 units per year.

Mann-Kendall statistic = -7
critical = -58

Trend not significant at 98% confidence level (α = 0.01 per tail).

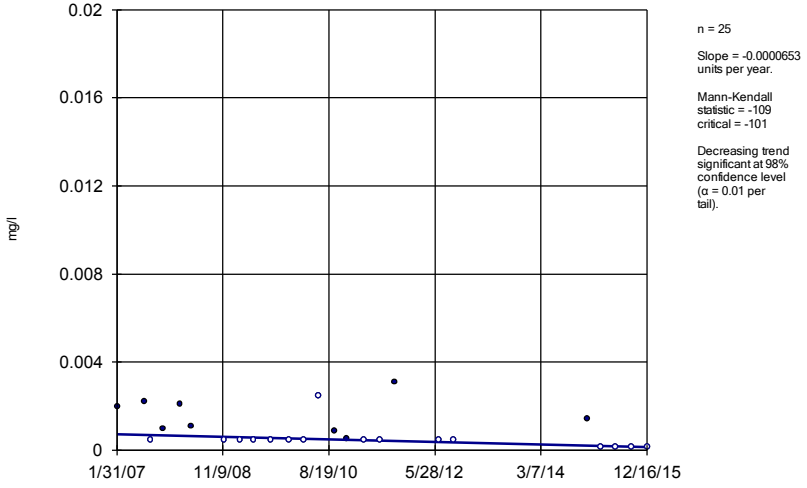
Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGA



n = 25

Slope = -0.0000653 units per year.

Mann-Kendall statistic = -109
critical = -101

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

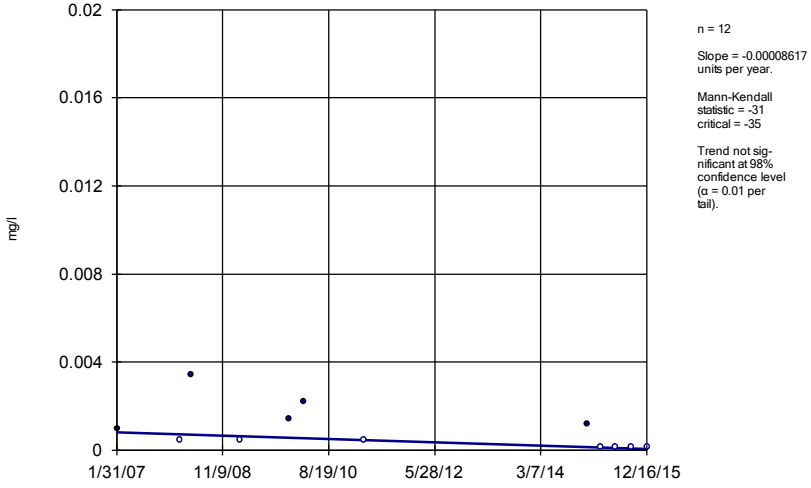
Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGB



n = 12

Slope = -0.00008617 units per year.

Mann-Kendall statistic = -31
critical = -35

Trend not significant at 98% confidence level (α = 0.01 per tail).

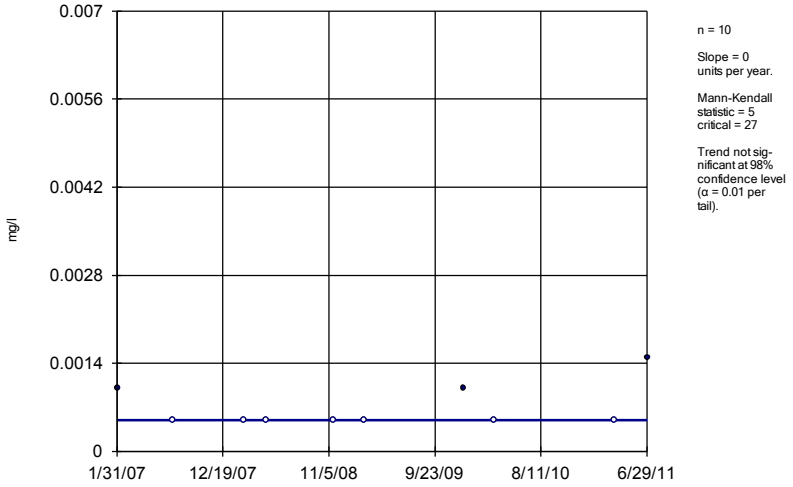
Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-1



n = 10

Slope = 0 units per year.

Mann-Kendall statistic = 5
critical = 27

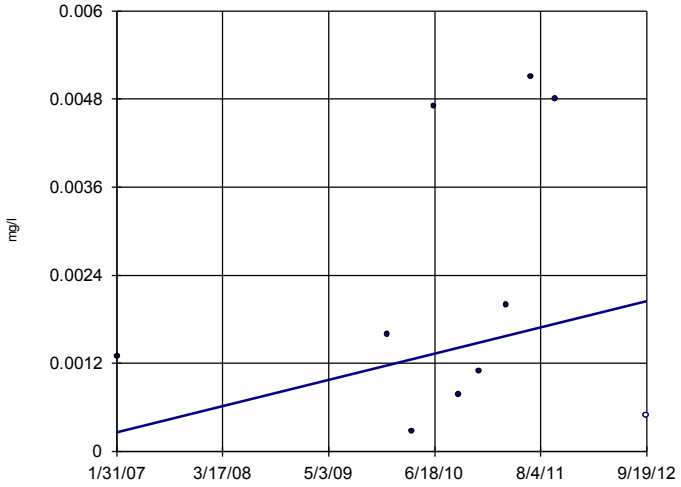
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-2



n = 10

Slope = 0.0003167 units per year.

Mann-Kendall statistic = 9
critical = 27

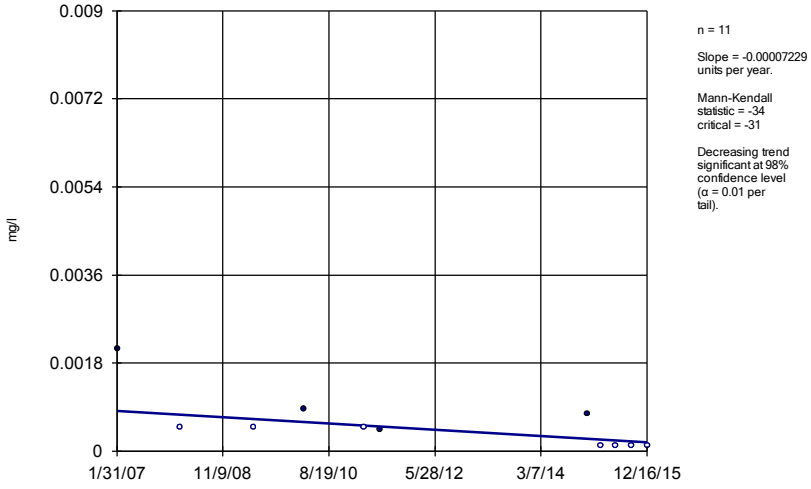
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-3



n = 11

Slope = -0.00007229 units per year.

Mann-Kendall statistic = -34
critical = -31

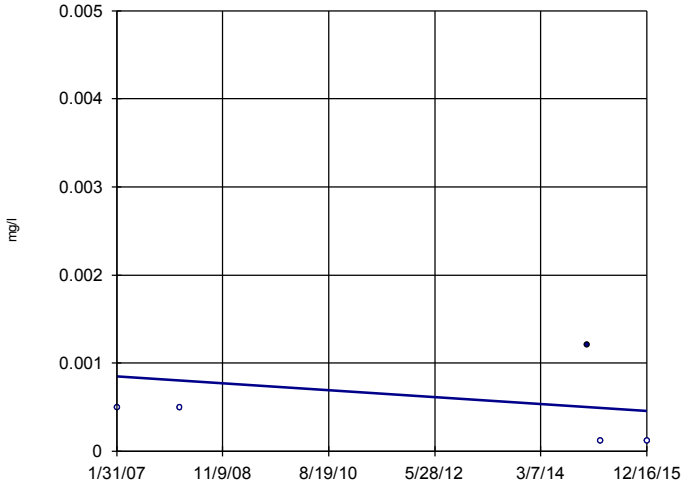
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-4



n = 5

Slope = -0.00004424 units per year.

Mann-Kendall statistic = -4
critical = -10

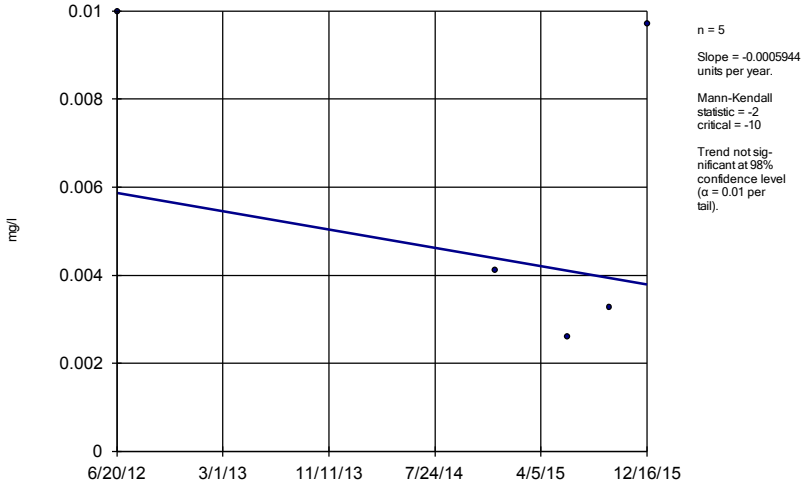
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

LFENTRANCESEEP



n = 5

Slope = -0.0005944 units per year.

Mann-Kendall statistic = -2
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

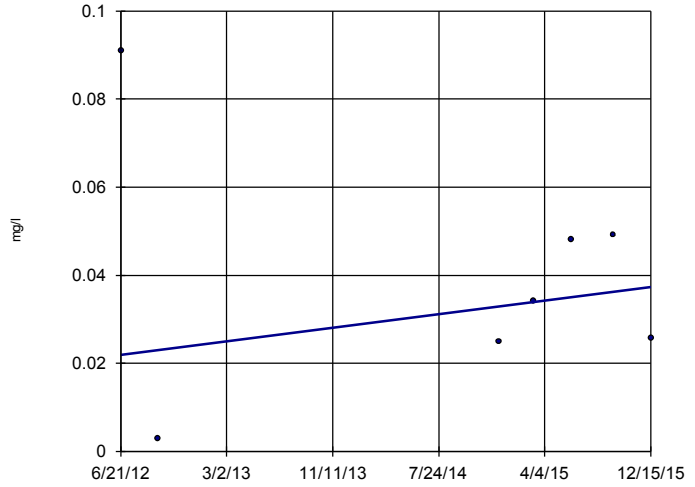
Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-1R



n = 7

Slope = 0.004424 units per year.

Mann-Kendall statistic = 3
critical = 17

Trend not significant at 98% confidence level (α = 0.01 per tail).

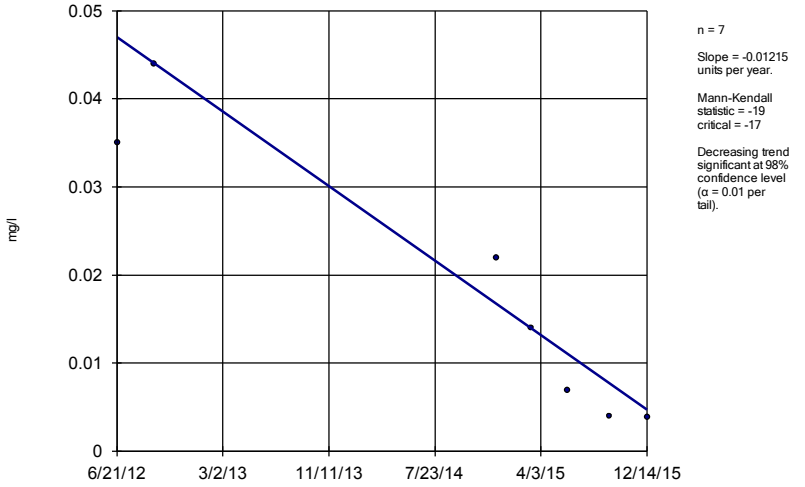
Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NE-2



n = 7

Slope = -0.01215 units per year.

Mann-Kendall statistic = -19
critical = -17

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM

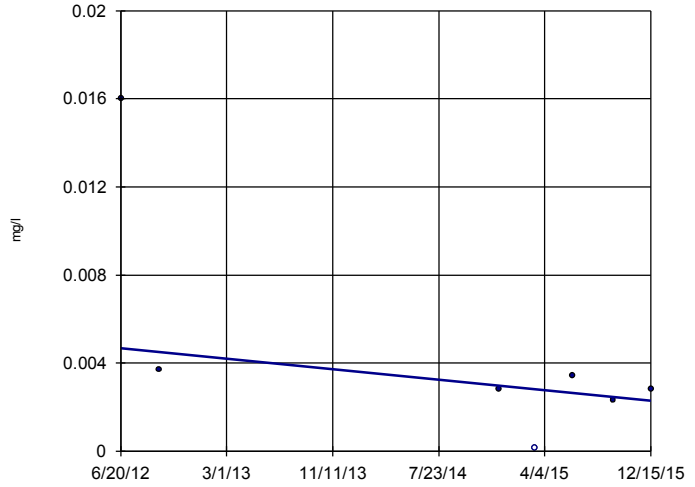
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-3



n = 7

Slope = -0.0006819 units per year.

Mann-Kendall statistic = -9
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

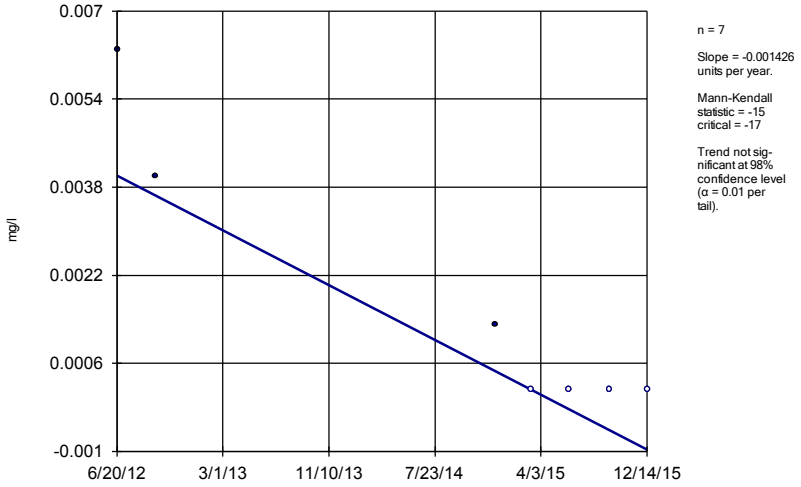
Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-6



n = 7

Slope = -0.001426 units per year.

Mann-Kendall statistic = -15
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

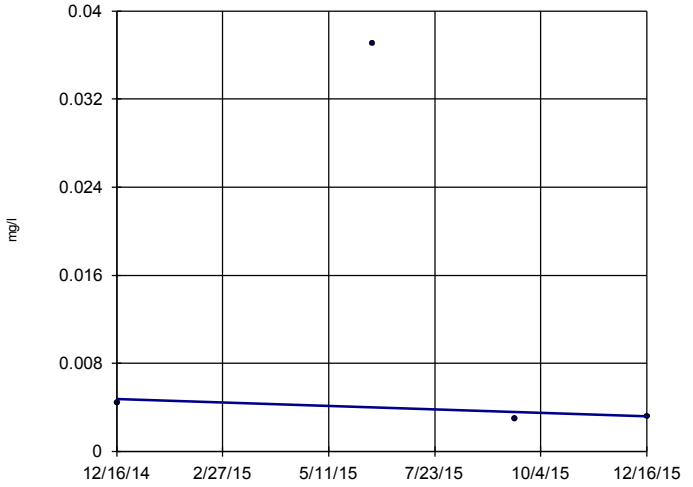
Constituent: Arsenic Analysis Run 2/2/2016 1:57 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

CLASSIDRAW



n = 4

Slope = -0.001594 units per year.

Mann-Kendall statistic = -2
critical = -8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

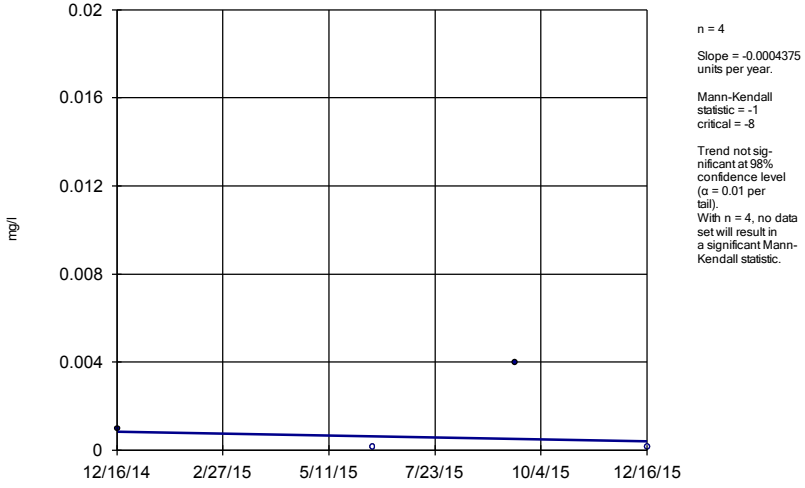
Constituent: Arsenic Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIVDRAW



n = 4

Slope = -0.0004375 units per year.

Mann-Kendall statistic = -1
critical = -8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

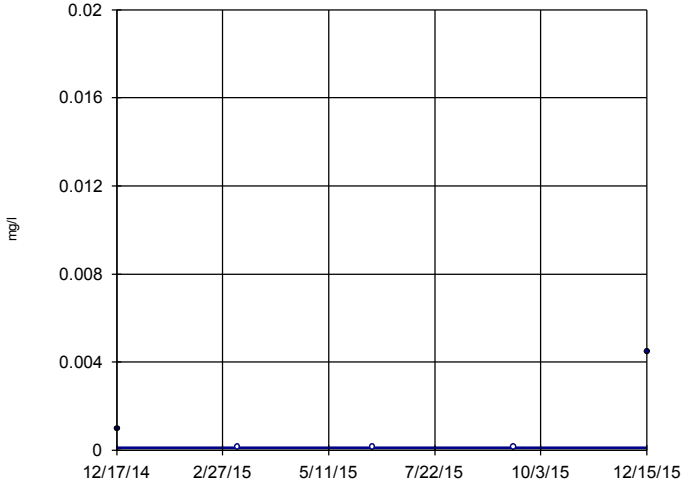
Constituent: Arsenic Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-NE-3



n = 5

Slope = 0 units per year.

Mann-Kendall statistic = 1
critical = 10

Trend not significant at 98% confidence level (α = 0.01 per tail).

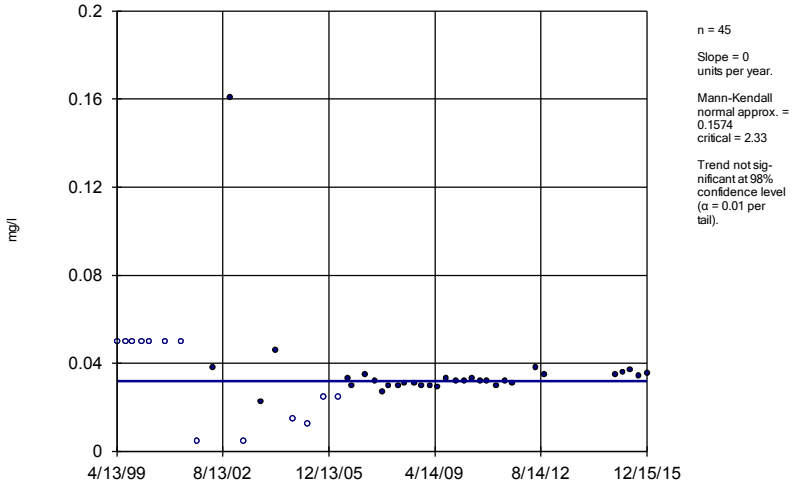
Constituent: Arsenic Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-4



n = 45

Slope = 0 units per year.

Mann-Kendall normal approx. = 0.1574 critical = 2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

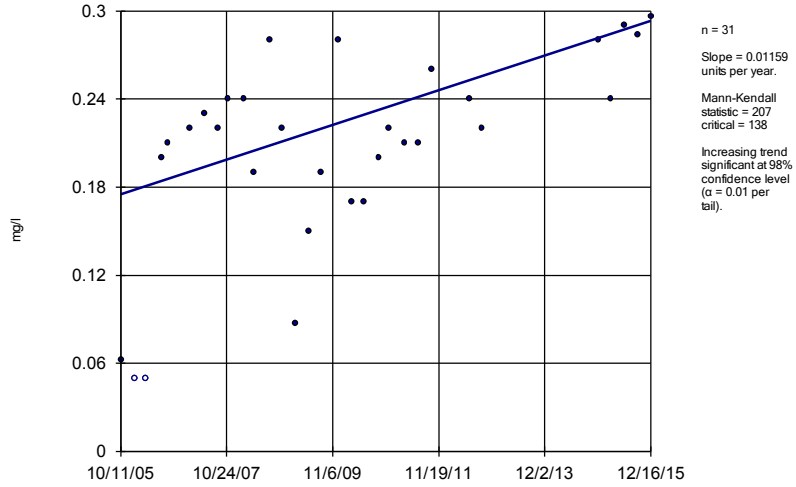
Constituent: Barium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-1



n = 31

Slope = 0.01159 units per year.

Mann-Kendall statistic = 207 critical = 138

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

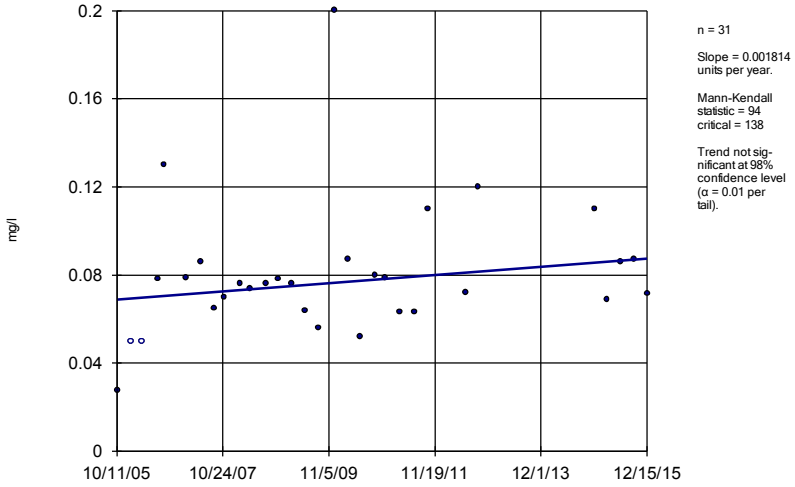
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-2



n = 31

Slope = 0.001814 units per year.

Mann-Kendall statistic = 94 critical = 138

Trend not significant at 98% confidence level (α = 0.01 per tail).

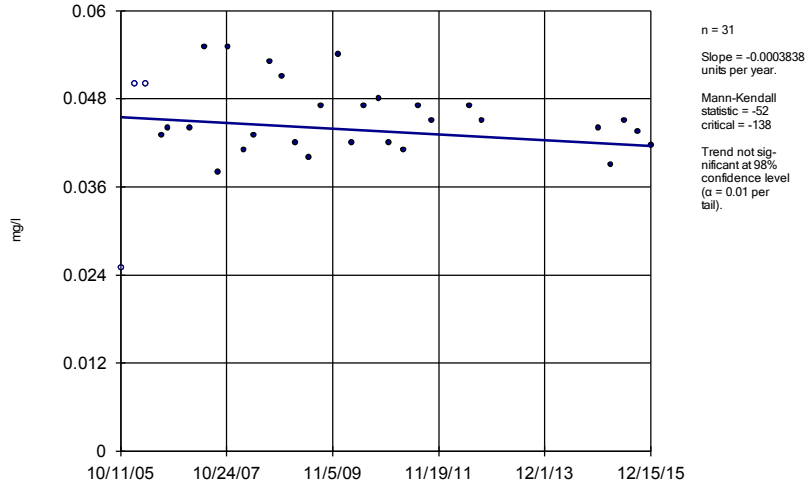
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-3



n = 31

Slope = -0.0003838 units per year.

Mann-Kendall statistic = -52 critical = -138

Trend not significant at 98% confidence level (α = 0.01 per tail).

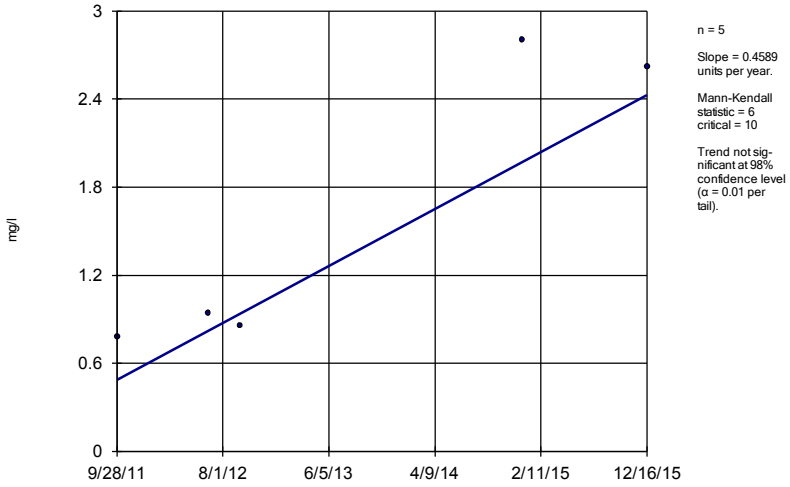
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Sen's Slope Estimator

LEACHATE



n = 5

Slope = 0.4589 units per year.

Mann-Kendall statistic = 6 critical = 10

Trend not significant at 98% confidence level (α = 0.01 per tail).

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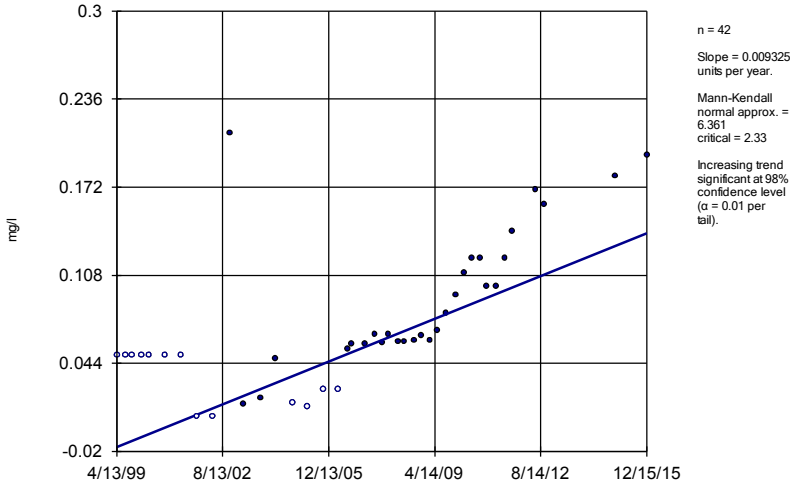
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1



n = 42

Slope = 0.009325 units per year.

Mann-Kendall normal approx. = 6.361 critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

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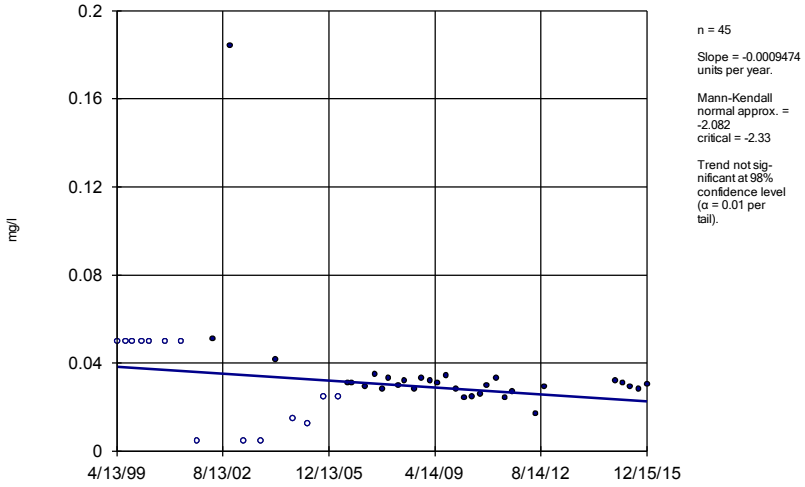
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-2



n = 45

Slope = -0.0009474 units per year.

Mann-Kendall normal approx. = -2.082 critical = -2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Barium Analysis Run 2/2/2016 1:58 PM

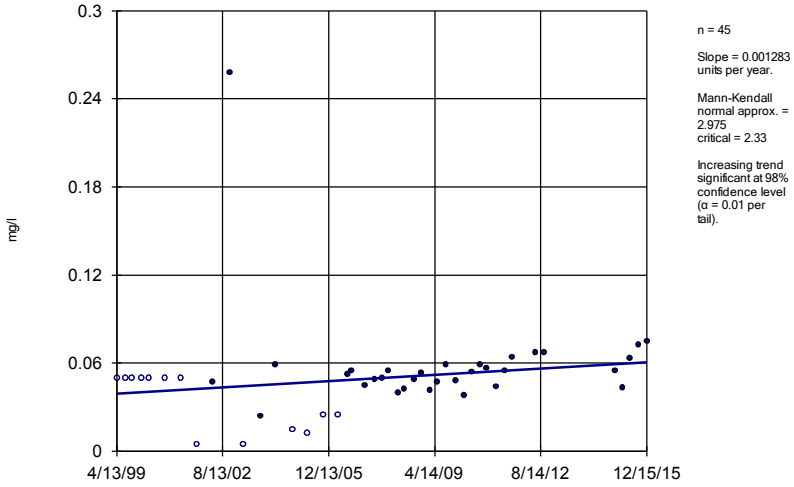
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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-3



n = 45

Slope = 0.001283 units per year.

Mann-Kendall normal approx. = 2.975 critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

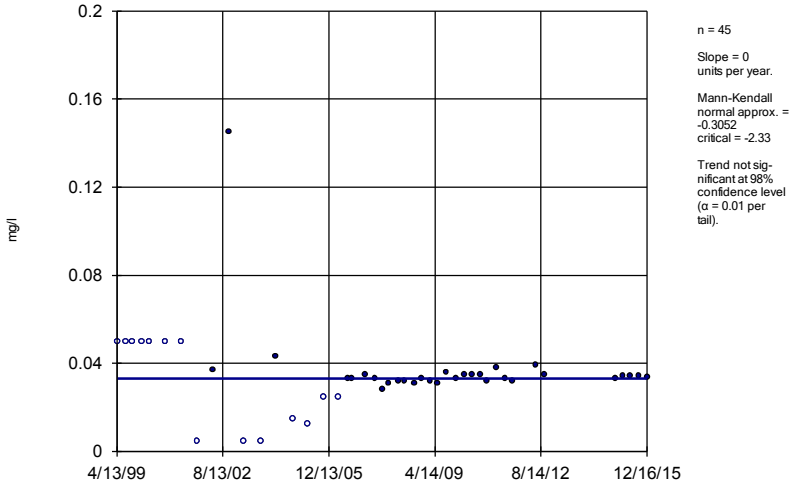
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-5



n = 45

Slope = 0 units per year.

Mann-Kendall normal approx. = -0.3052 critical = -2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

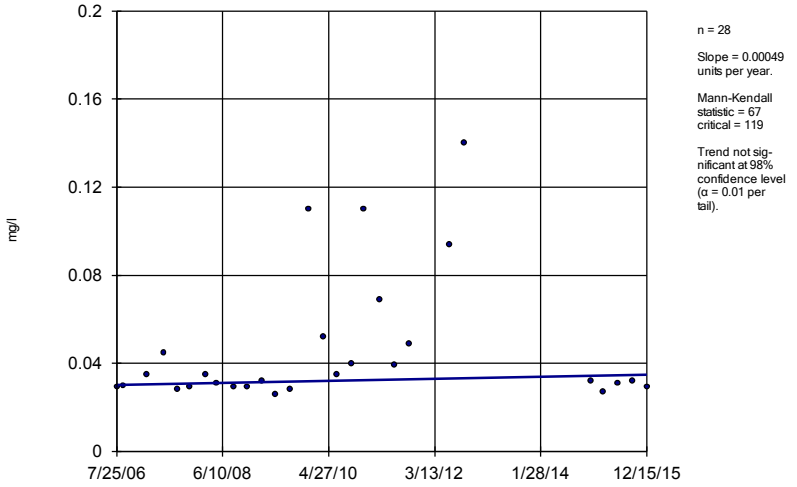
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Sen's Slope Estimator

MW-509D



n = 28

Slope = 0.00049 units per year.

Mann-Kendall statistic = 67 critical = 119

Trend not significant at 98% confidence level (α = 0.01 per tail).

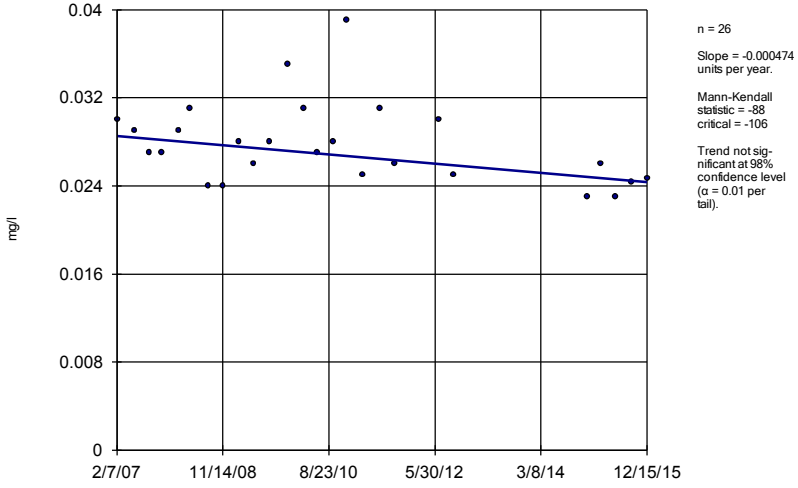
Constituent: Barium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-577



n = 26

Slope = -0.000474 units per year.

Mann-Kendall statistic = -88 critical = -106

Trend not significant at 98% confidence level (α = 0.01 per tail).

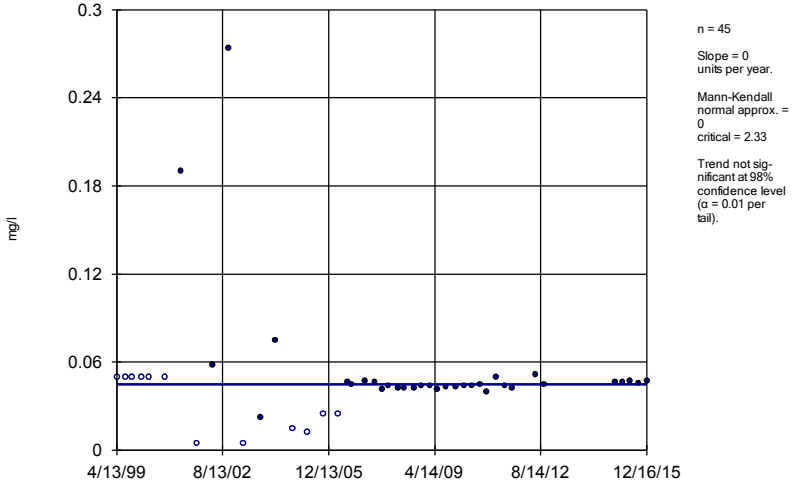
Constituent: Barium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-6



n = 45

Slope = 0 units per year.

Mann-Kendall normal approx. = 0 critical = 2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

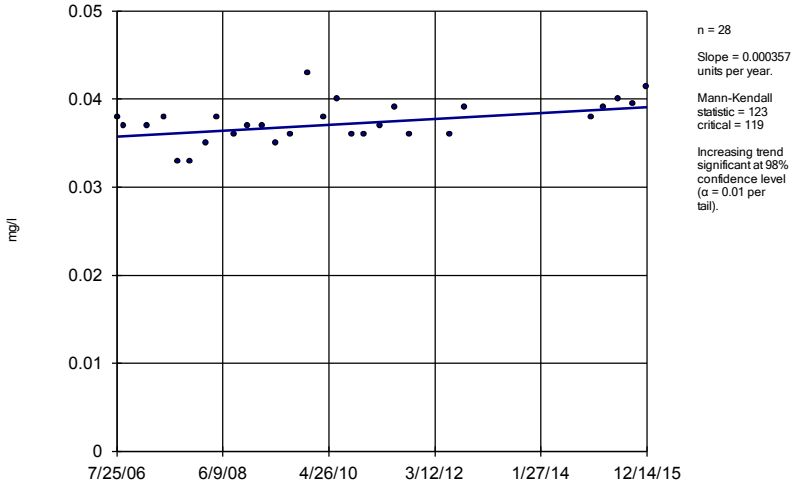
Constituent: Barium Analysis Run 2/2/2016 1:58 PM

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Sen's Slope Estimator

MW-633D



n = 28

Slope = 0.000357 units per year.

Mann-Kendall statistic = 123
critical = 119

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

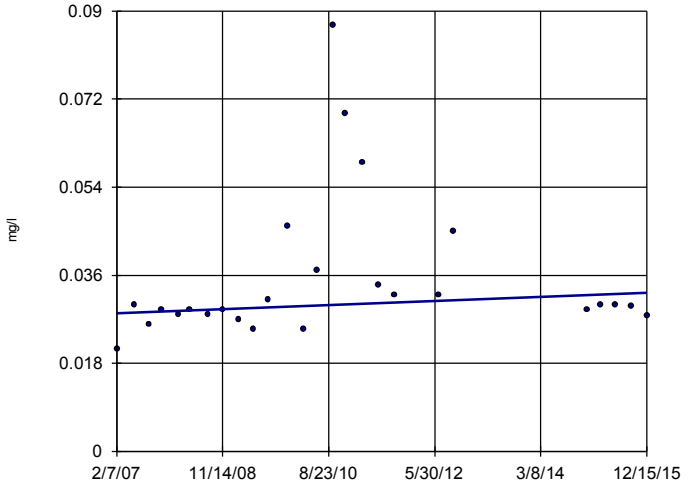
Constituent: Barium Analysis Run 2/2/2016 1:58 PM

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Sen's Slope Estimator

MW-689D



n = 26

Slope = 0.0004709 units per year.

Mann-Kendall statistic = 69
critical = 106

Trend not significant at 98% confidence level (α = 0.01 per tail).

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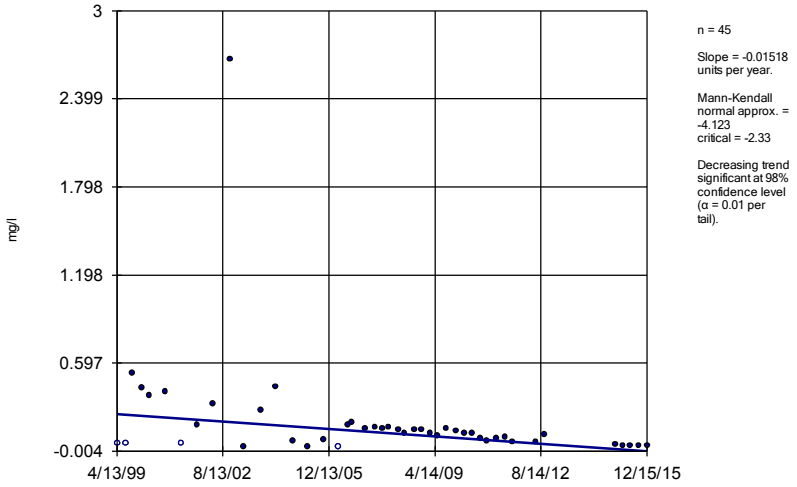
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-7



n = 45

Slope = -0.01518 units per year.

Mann-Kendall normal approx. = -4.123
critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

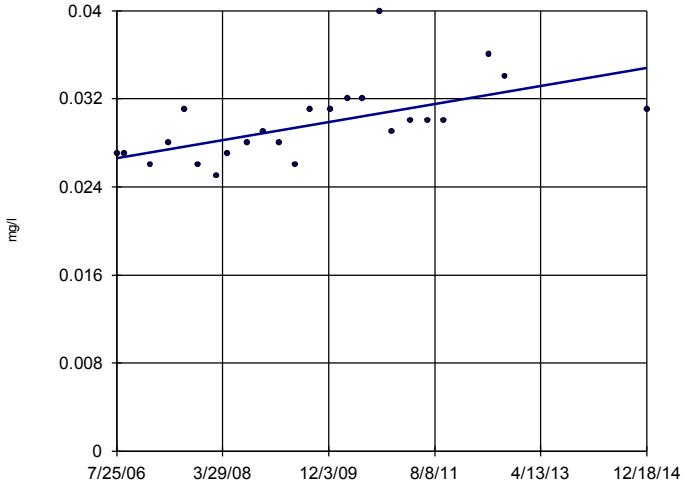
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-1



n = 24

Slope = 0.0009712 units per year.

Mann-Kendall statistic = 140
critical = 95

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

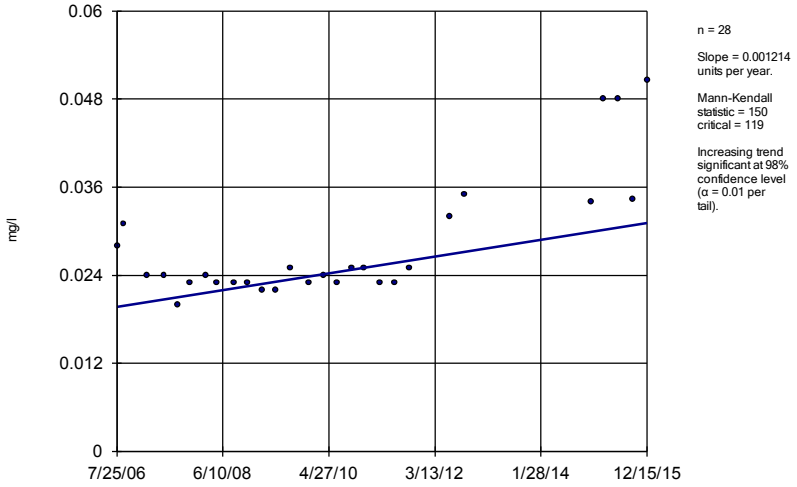
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-2



n = 28

Slope = 0.001214 units per year.

Mann-Kendall statistic = 150
critical = 119

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

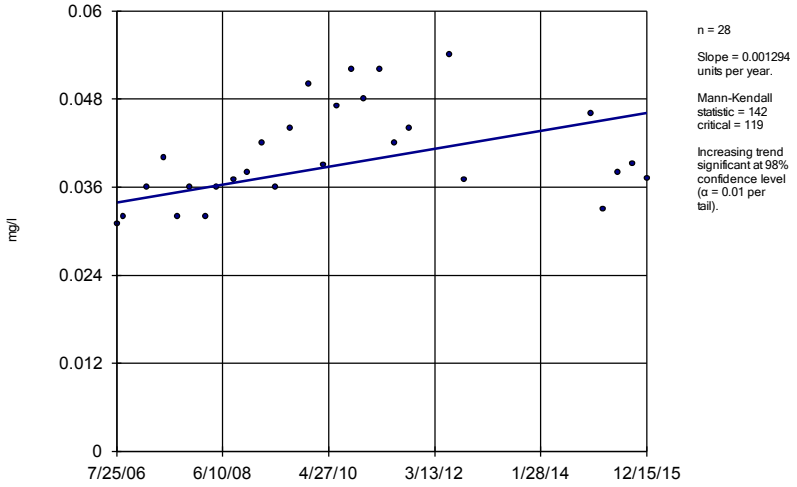
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-3



n = 28

Slope = 0.001294 units per year.

Mann-Kendall statistic = 142
critical = 119

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

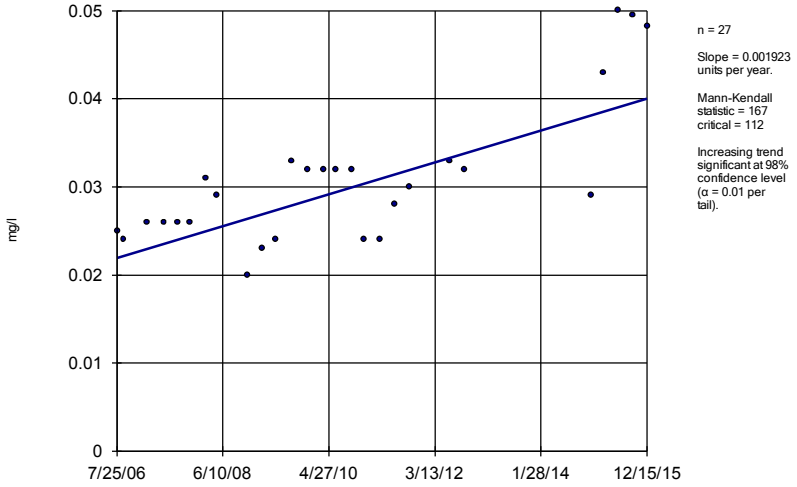
Constituent: Barium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-4



n = 27

Slope = 0.001923 units per year.

Mann-Kendall statistic = 167
critical = 112

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

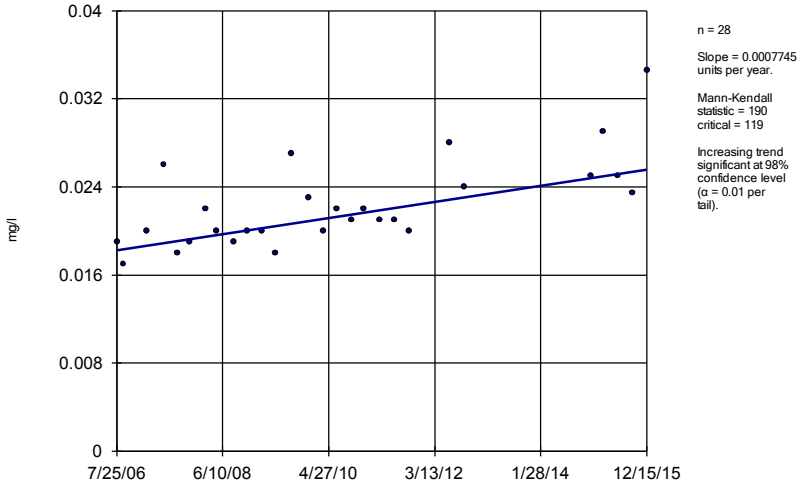
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-7



n = 28

Slope = 0.0007745 units per year.

Mann-Kendall statistic = 190
critical = 119

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

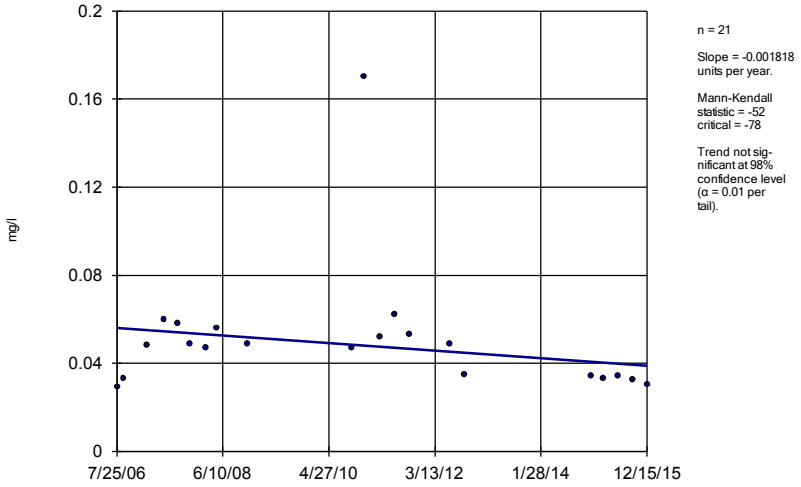
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-8



n = 21

Slope = -0.001818 units per year.

Mann-Kendall statistic = -52
critical = -78

Trend not significant at 98% confidence level (α = 0.01 per tail).

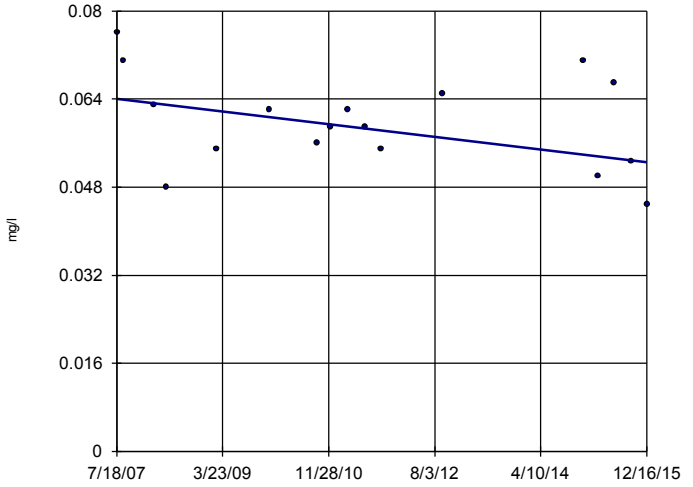
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

SP-7



n = 17

Slope = -0.00136 units per year.

Mann-Kendall statistic = -34
critical = -58

Trend not significant at 98% confidence level (α = 0.01 per tail).

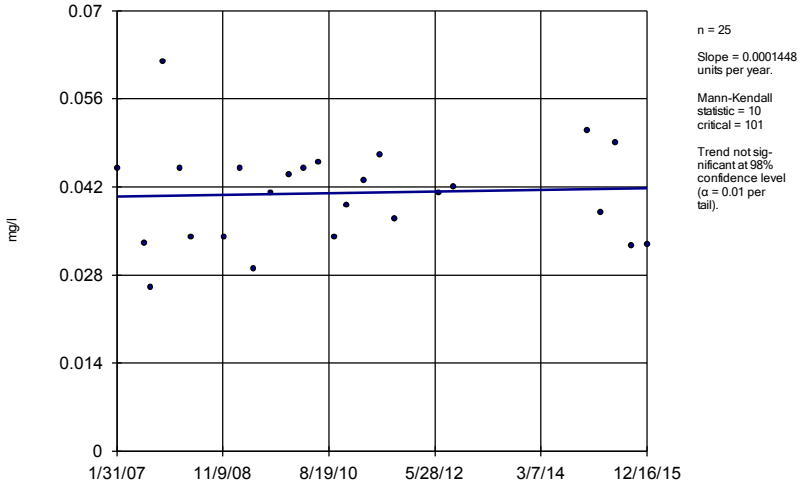
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Sen's Slope Estimator

SPRINGA



n = 25

Slope = 0.0001448 units per year.

Mann-Kendall statistic = 10
critical = 101

Trend not significant at 98% confidence level (α = 0.01 per tail).

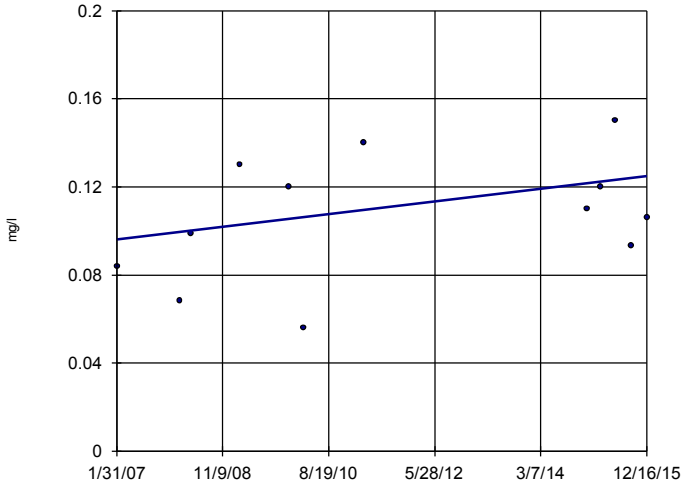
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

SPRINGB



n = 12

Slope = 0.003236 units per year.

Mann-Kendall statistic = 15
critical = 35

Trend not significant at 98% confidence level (α = 0.01 per tail).

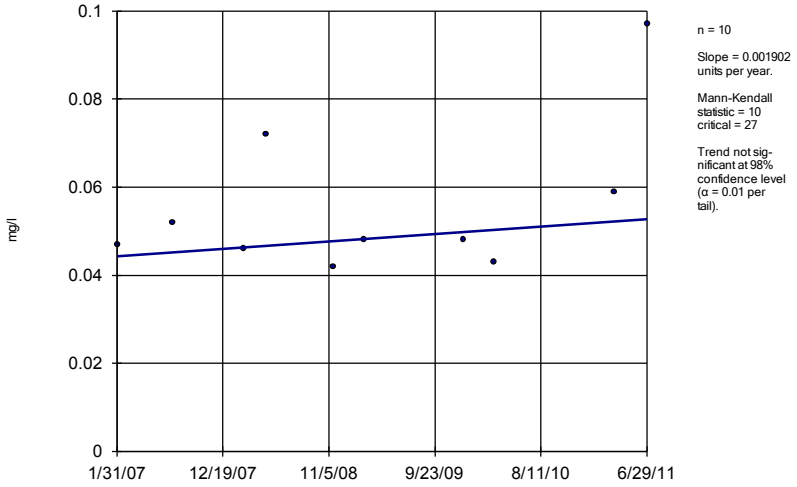
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

TSP-1



n = 10

Slope = 0.001902 units per year.

Mann-Kendall statistic = 10
critical = 27

Trend not significant at 98% confidence level (α = 0.01 per tail).

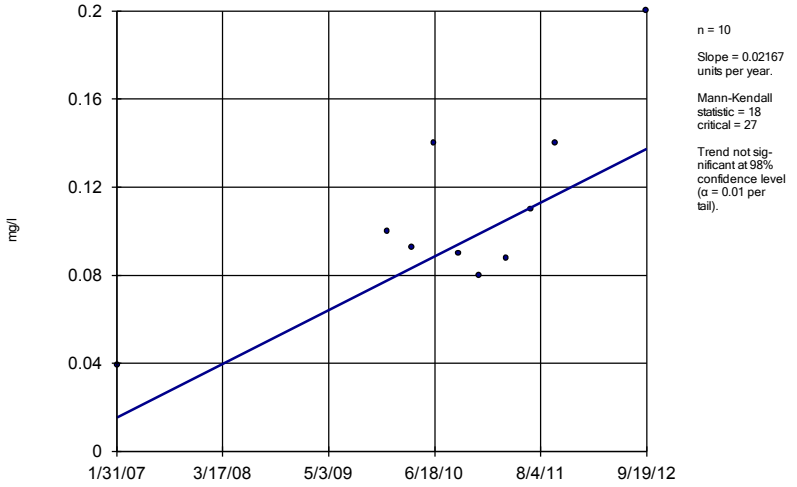
Constituent: Barium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

TSP-2



n = 10

Slope = 0.02167 units per year.

Mann-Kendall statistic = 18
critical = 27

Trend not significant at 98% confidence level (α = 0.01 per tail).

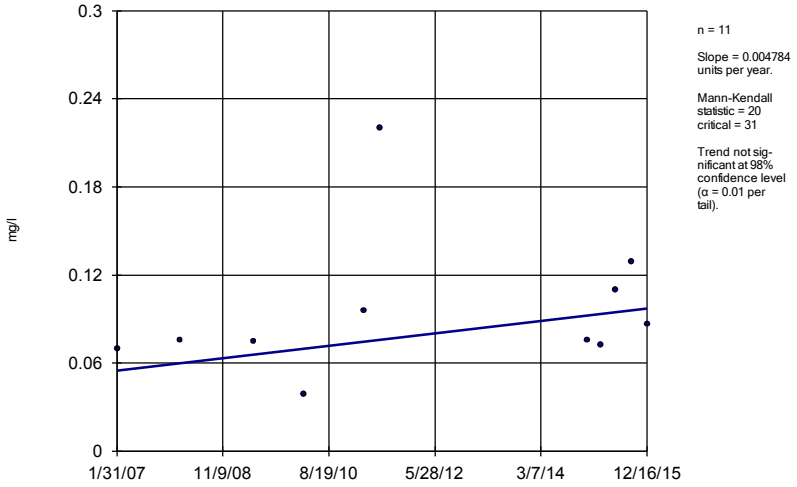
Constituent: Barium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

TSP-3



n = 11

Slope = 0.004784 units per year.

Mann-Kendall statistic = 20
critical = 31

Trend not significant at 98% confidence level (α = 0.01 per tail).

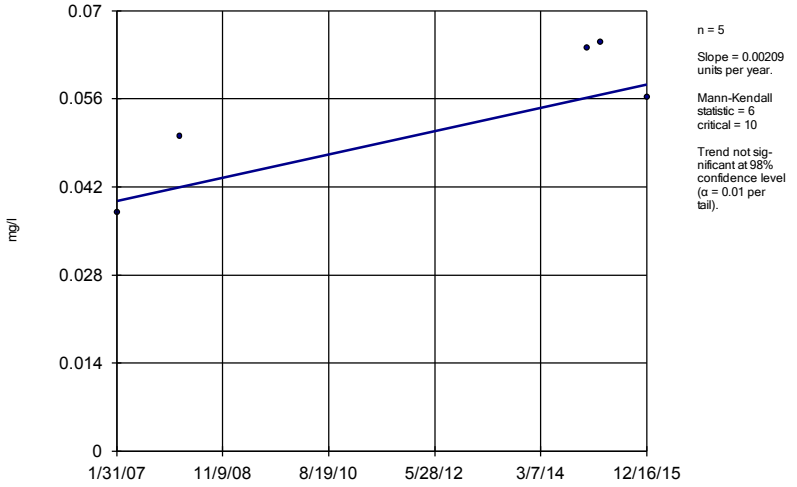
Constituent: Barium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

TSP-4



n = 5

Slope = 0.00209 units per year.

Mann-Kendall statistic = 6
critical = 10

Trend not significant at 98% confidence level (α = 0.01 per tail).

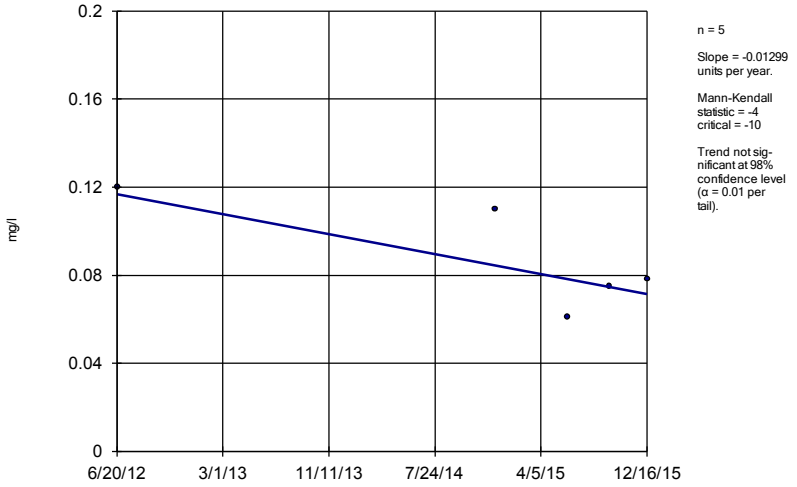
Constituent: Barium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

LFENTRANCESEEP



n = 5

Slope = -0.01299 units per year.

Mann-Kendall statistic = -4
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

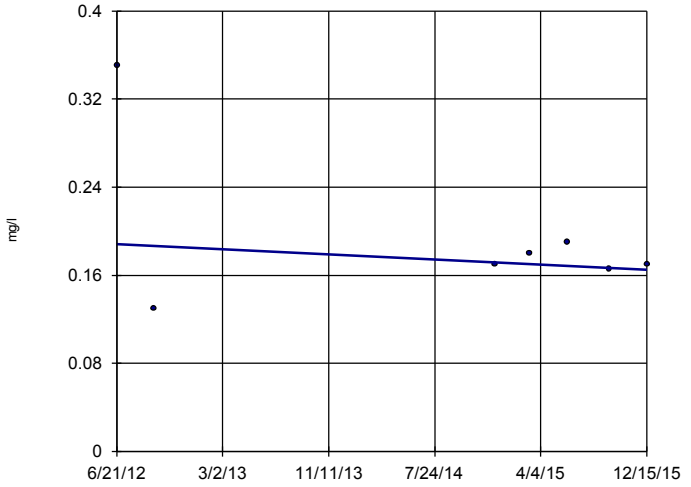
Constituent: Barium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-1R



n = 7

Slope = -0.006685 units per year.

Mann-Kendall statistic = -2
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

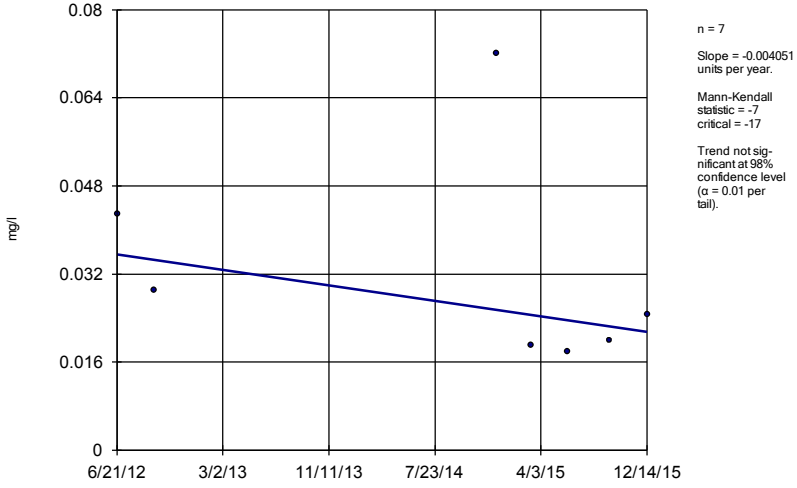
Constituent: Barium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NE-2



n = 7

Slope = -0.004051 units per year.

Mann-Kendall statistic = -7
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Barium Analysis Run 2/2/2016 1:58 PM

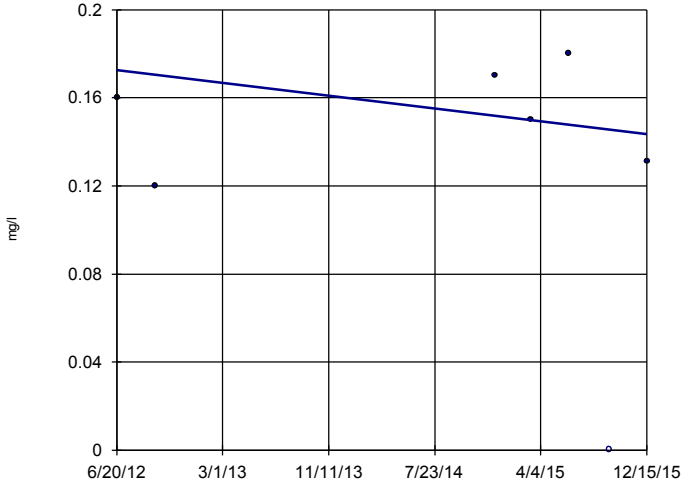
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-3



n = 7

Slope = -0.008315 units per year.

Mann-Kendall statistic = -3
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

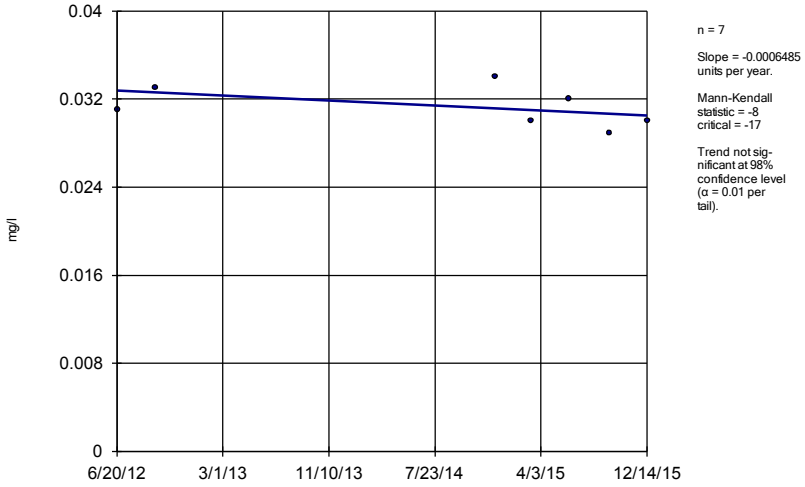
Constituent: Barium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NE-6



n = 7

Slope = -0.0006485 units per year.

Mann-Kendall statistic = -8
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

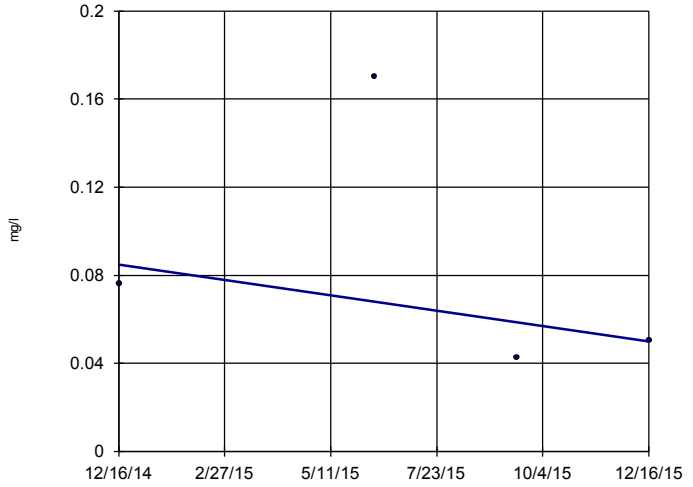
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

CLASSIDRAW



n = 4

Slope = -0.03495 units per year.

Mann-Kendall statistic = -2
critical = -8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

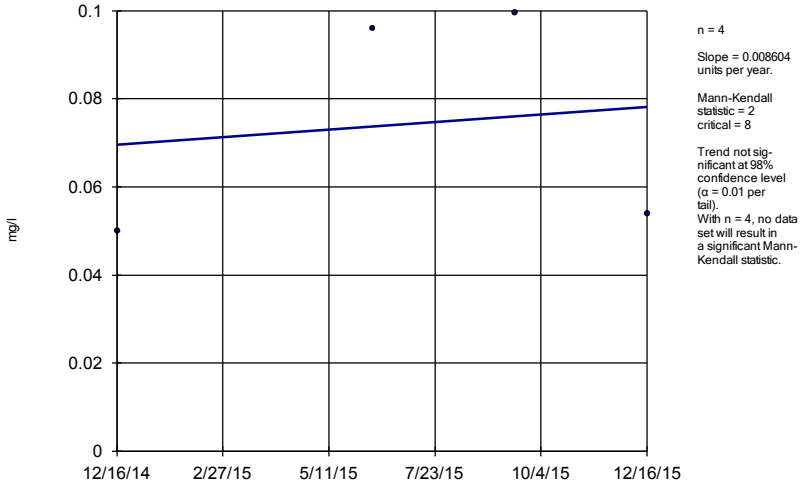
Constituent: Barium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

CLASSIVDRAW



n = 4

Slope = 0.008604 units per year.

Mann-Kendall statistic = 2
critical = 8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

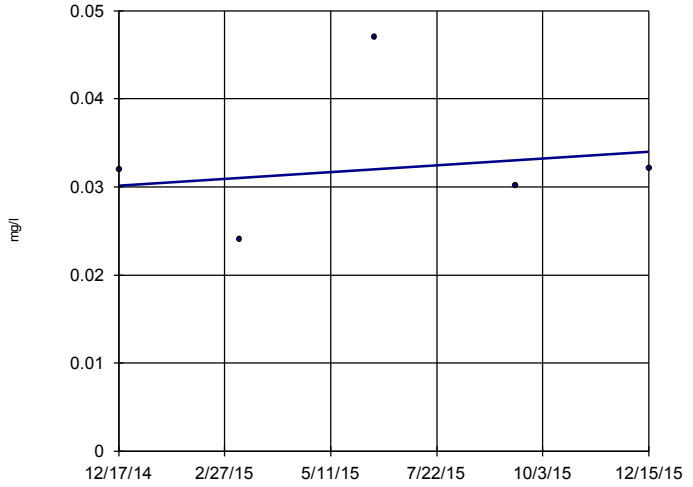
Constituent: Barium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

SP-NE-3



n = 5

Slope = 0.003861 units per year.

Mann-Kendall statistic = 2
critical = 10

Trend not significant at 98% confidence level (α = 0.01 per tail).

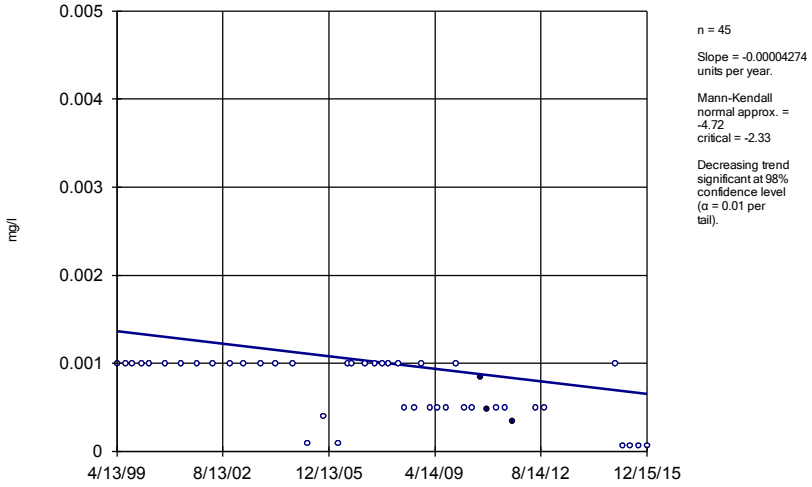
Constituent: Barium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-4



n = 45

Slope = -0.00004274 units per year.

Mann-Kendall normal approx. = -4.72
critical = -2.33

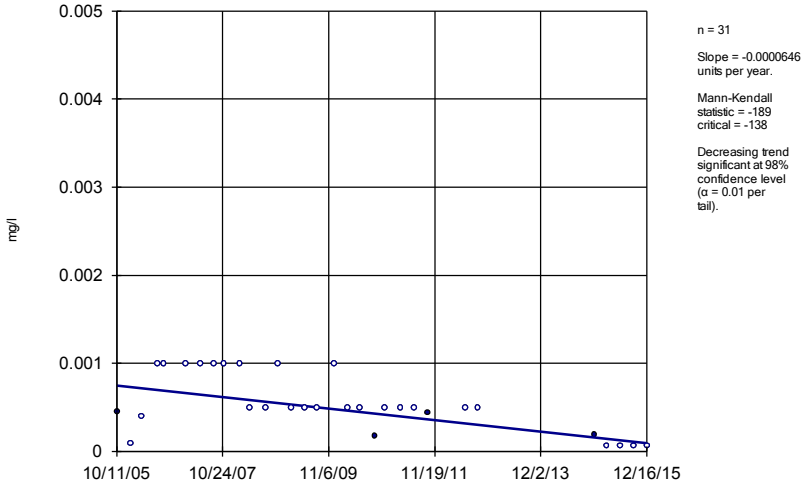
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-1



n = 31

Slope = -0.0000646 units per year.

Mann-Kendall statistic = -189
critical = -138

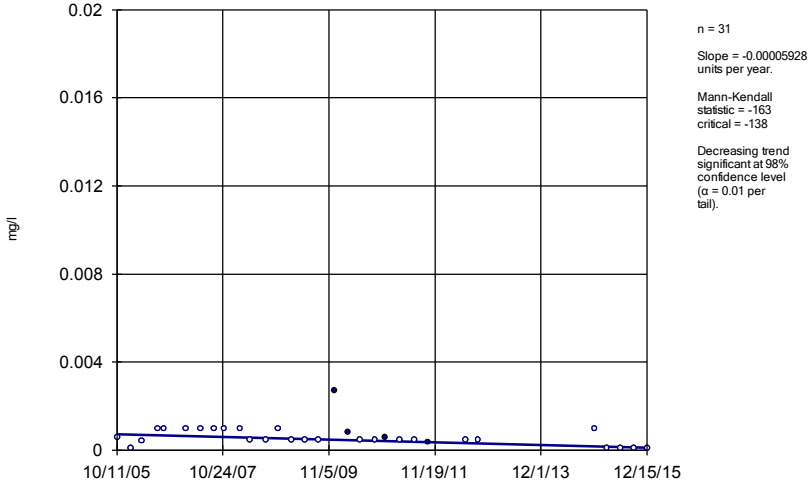
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-2



n = 31

Slope = -0.00005928 units per year.

Mann-Kendall statistic = -163
critical = -138

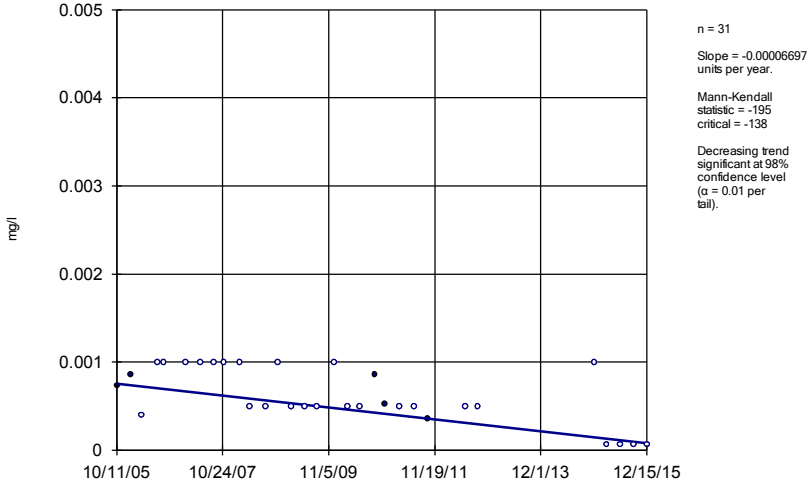
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-3



n = 31

Slope = -0.00006697 units per year.

Mann-Kendall statistic = -195
critical = -138

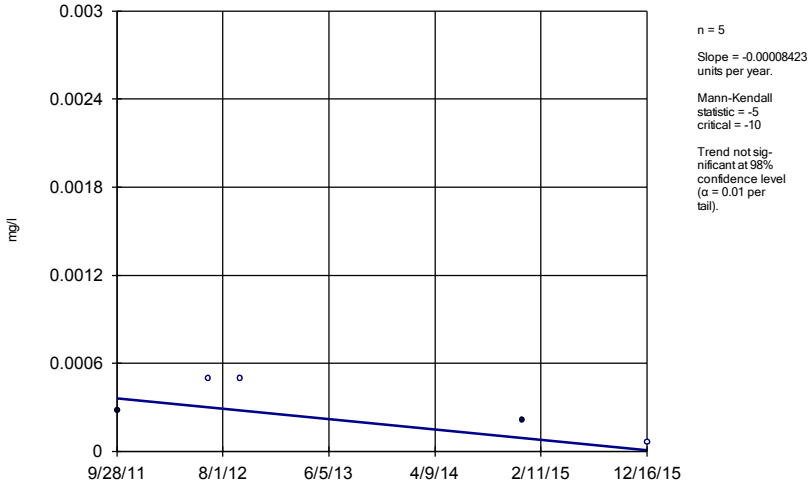
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

LEACHATE



n = 5

Slope = -0.00008423 units per year.

Mann-Kendall statistic = -5
critical = -10

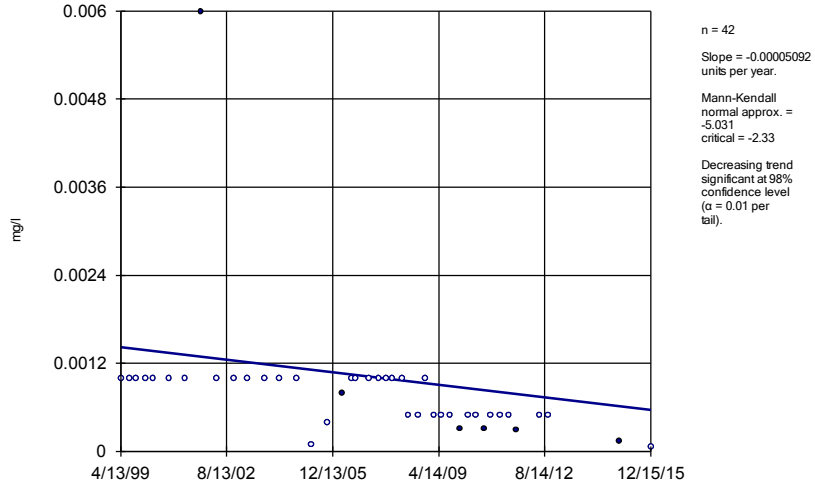
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1



n = 42

Slope = -0.00005092 units per year.

Mann-Kendall normal approx. = -5.031
critical = -2.33

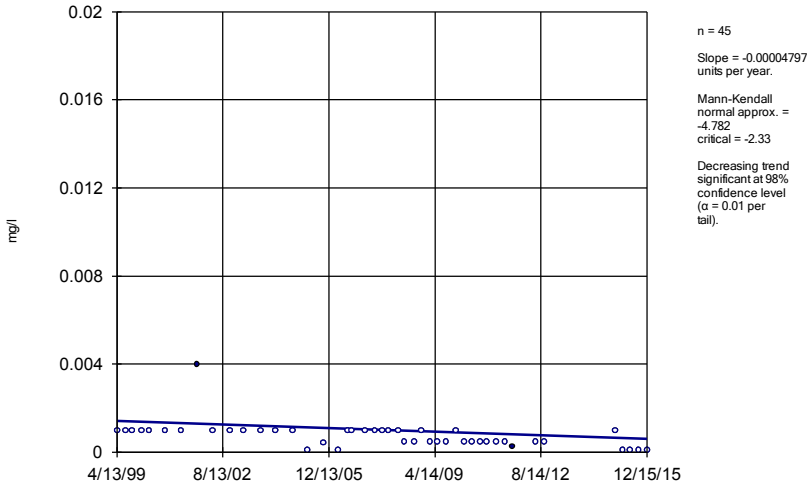
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-2



n = 45

Slope = -0.00004797 units per year.

Mann-Kendall normal approx. = -4.782
critical = -2.33

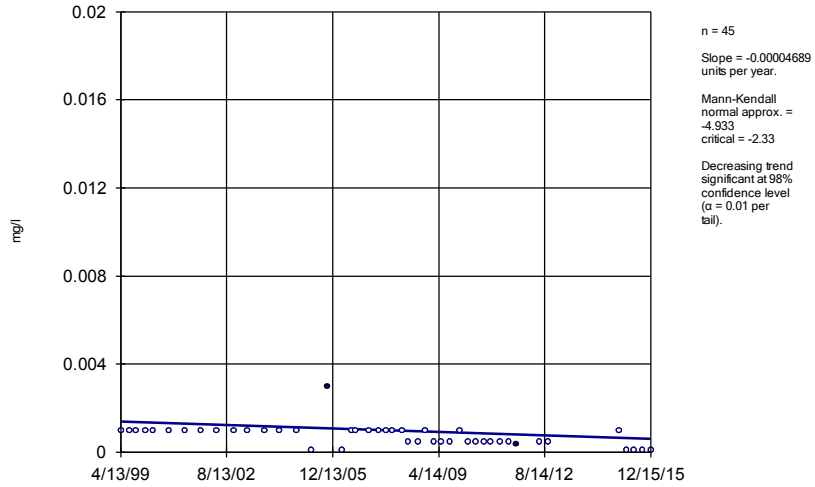
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-3



n = 45

Slope = -0.00004689 units per year.

Mann-Kendall normal approx. = -4.933
critical = -2.33

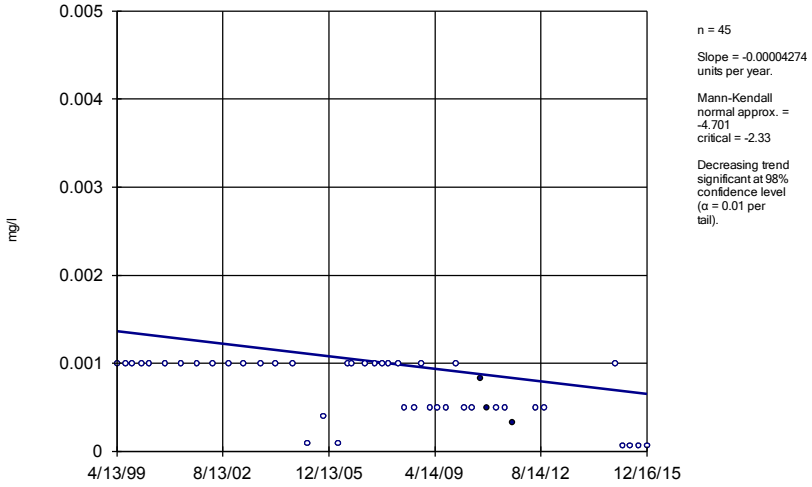
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-5



n = 45

Slope = -0.00004274 units per year.

Mann-Kendall normal approx. = -4.701
critical = -2.33

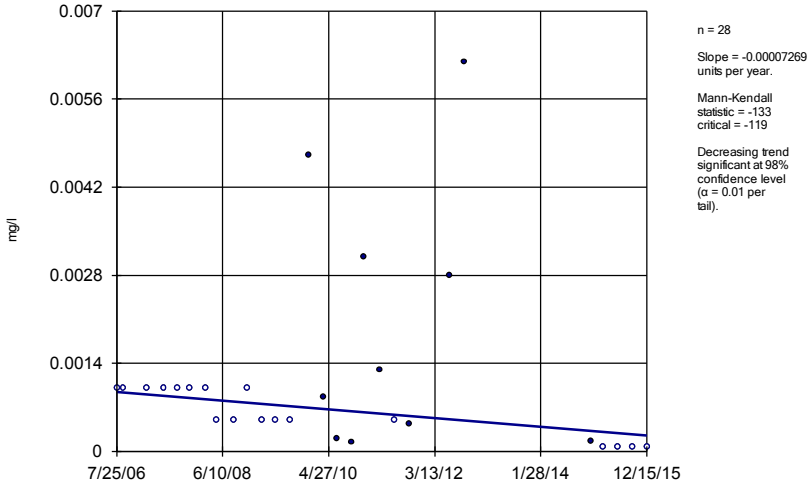
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-509D



n = 28

Slope = -0.00007269 units per year.

Mann-Kendall statistic = -133
critical = -119

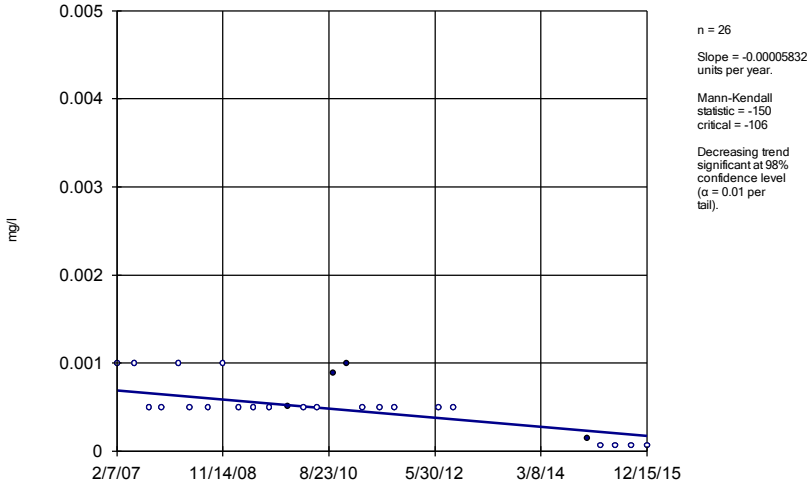
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-577



n = 26

Slope = -0.00005832 units per year.

Mann-Kendall statistic = -150
critical = -106

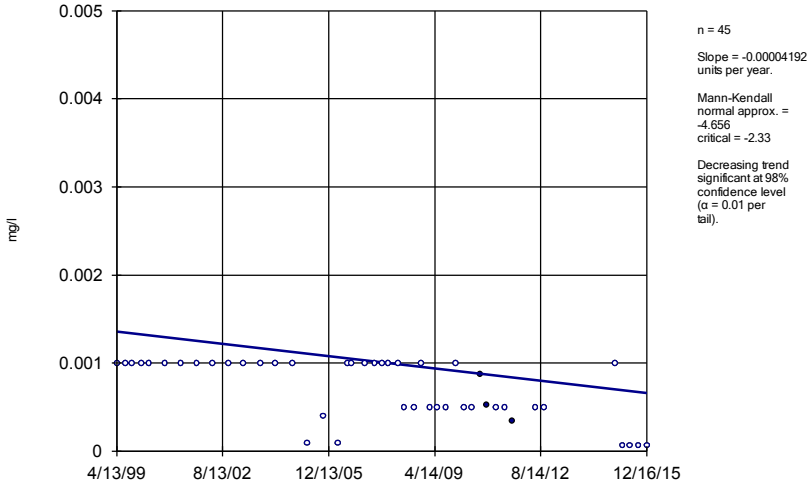
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-6



n = 45

Slope = -0.00004192 units per year.

Mann-Kendall normal approx. = -4.656
critical = -2.33

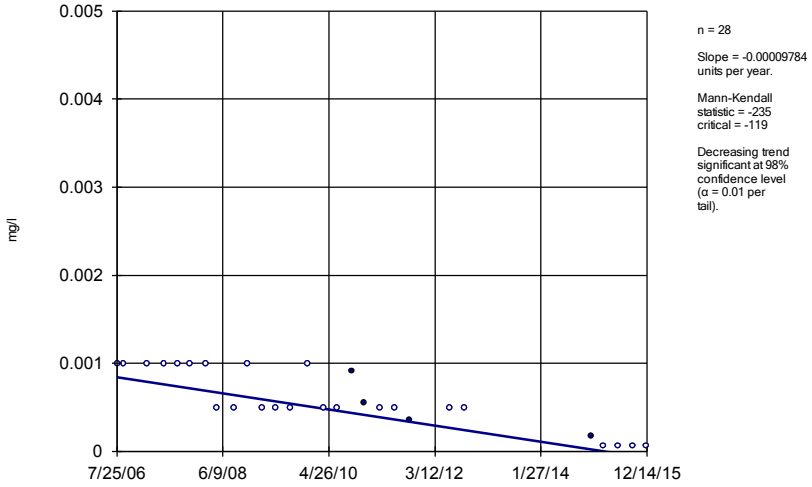
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-633D



n = 28

Slope = -0.00009784 units per year.

Mann-Kendall statistic = -235
critical = -119

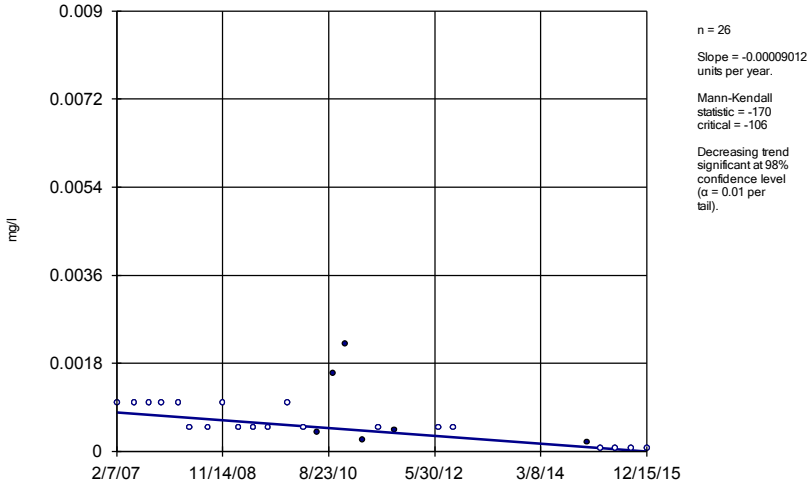
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-689D



n = 26

Slope = -0.00009012 units per year.

Mann-Kendall statistic = -170
critical = -106

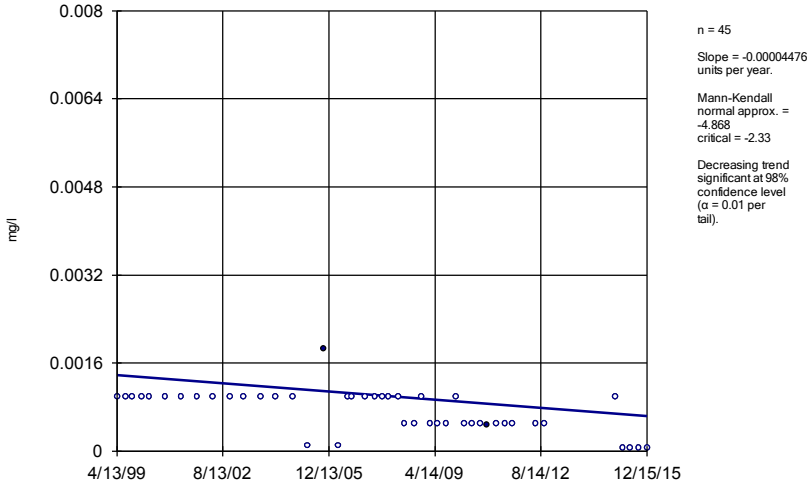
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-7



n = 45

Slope = -0.00004476 units per year.

Mann-Kendall normal approx. = -4.868
critical = -2.33

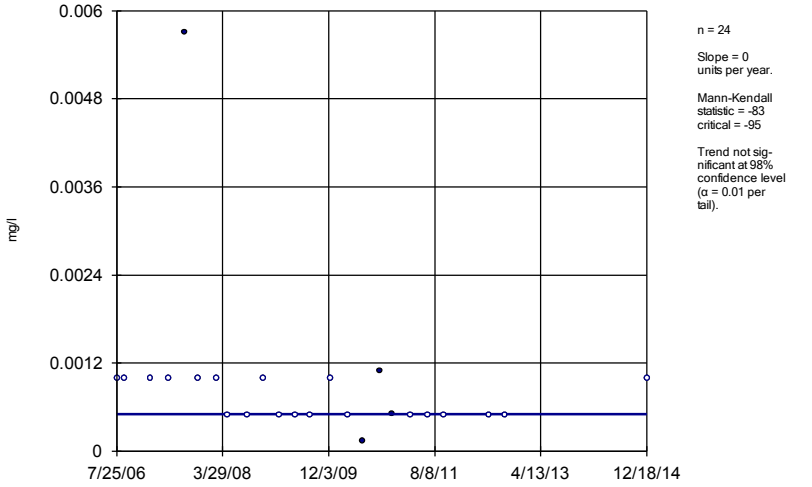
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-1



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = -83
critical = -95

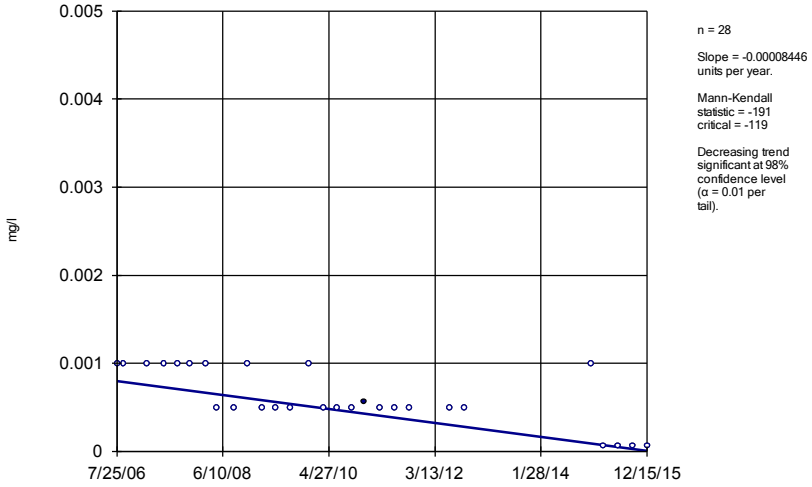
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-2



n = 28

Slope = -0.00008446 units per year.

Mann-Kendall statistic = -191
critical = -119

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

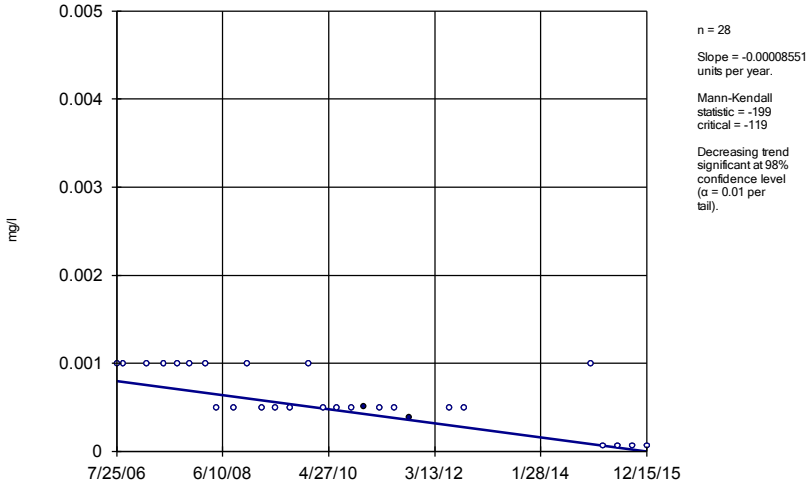
Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-3



n = 28

Slope = -0.00008551 units per year.

Mann-Kendall statistic = -199
critical = -119

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

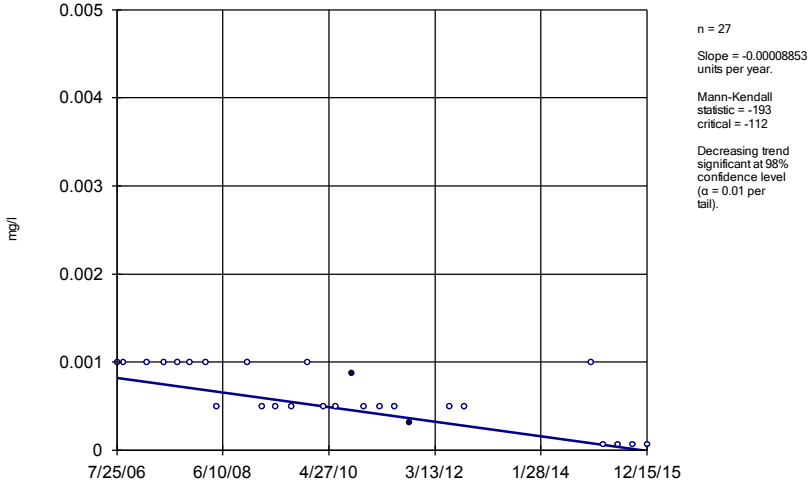
Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-4



n = 27

Slope = -0.00008853 units per year.

Mann-Kendall statistic = -193
critical = -112

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

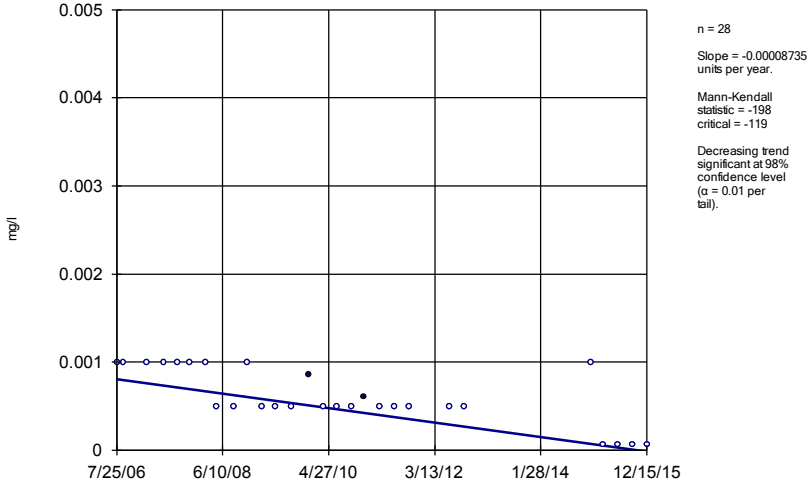
Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-7



n = 28

Slope = -0.00008735 units per year.

Mann-Kendall statistic = -198
critical = -119

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

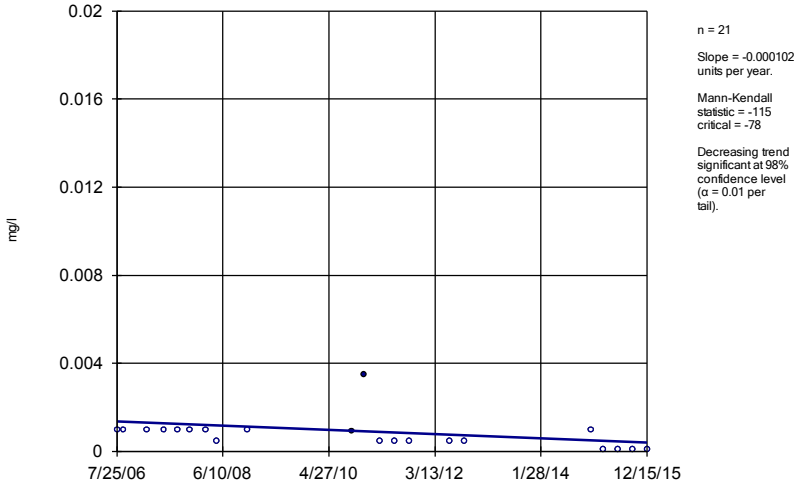
Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-8



n = 21

Slope = -0.000102 units per year.

Mann-Kendall statistic = -115
critical = -78

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

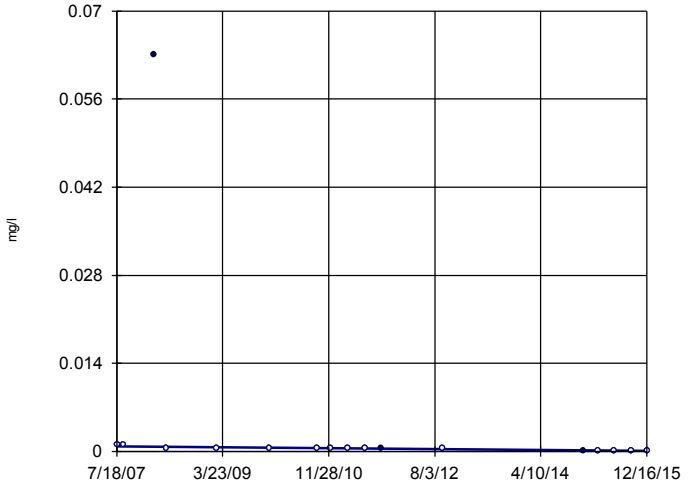
Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-7



n = 17

Slope = -0.00009305 units per year.

Mann-Kendall statistic = -95
critical = -58

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

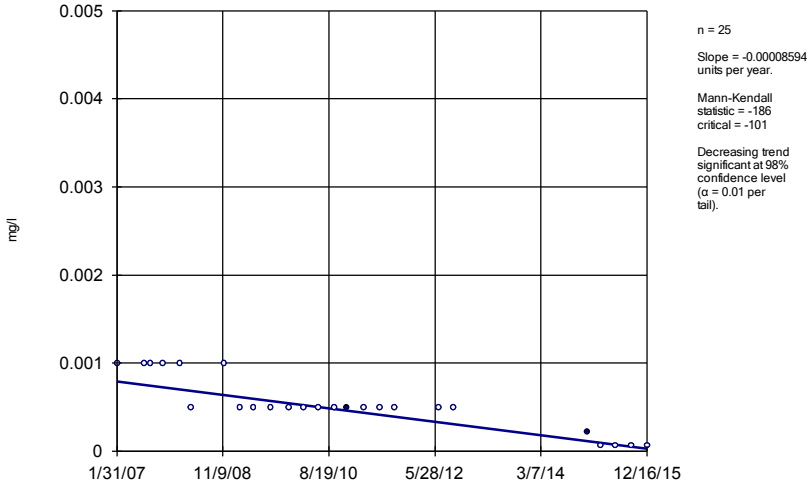
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGA



n = 25

Slope = -0.00008594 units per year.

Mann-Kendall statistic = -186
critical = -101

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

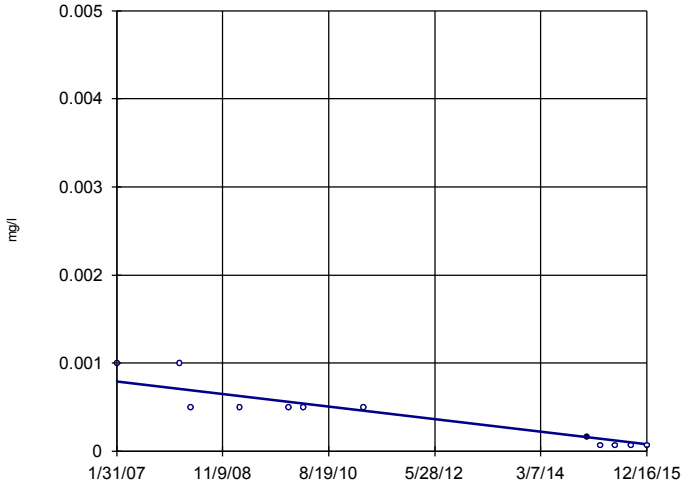
Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGB



n = 12

Slope = -0.00008024 units per year.

Mann-Kendall statistic = -49
critical = -35

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

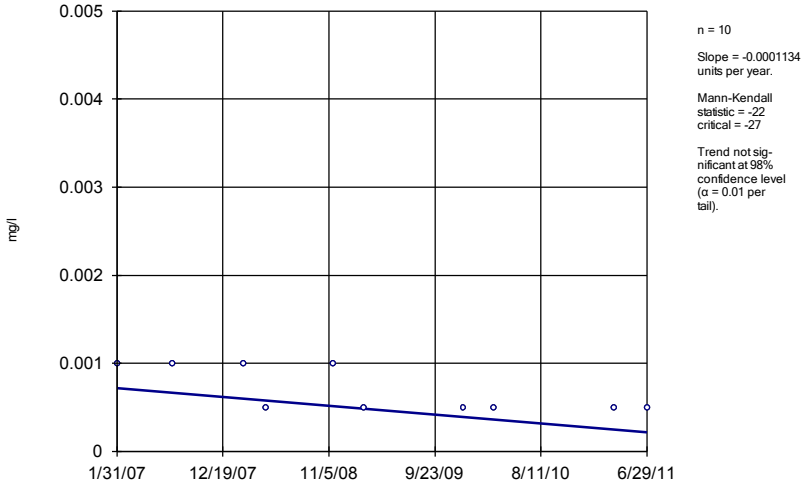
Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-1



n = 10

Slope = -0.0001134 units per year.

Mann-Kendall statistic = -22
critical = -27

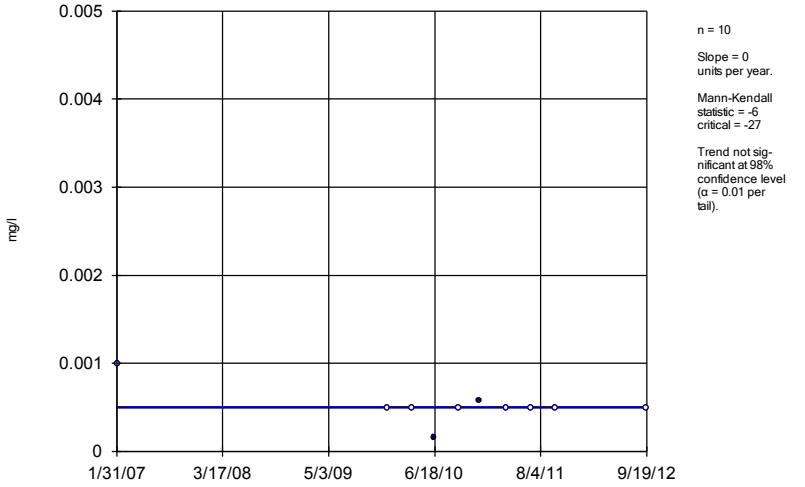
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-2



n = 10

Slope = 0 units per year.

Mann-Kendall statistic = -6
critical = -27

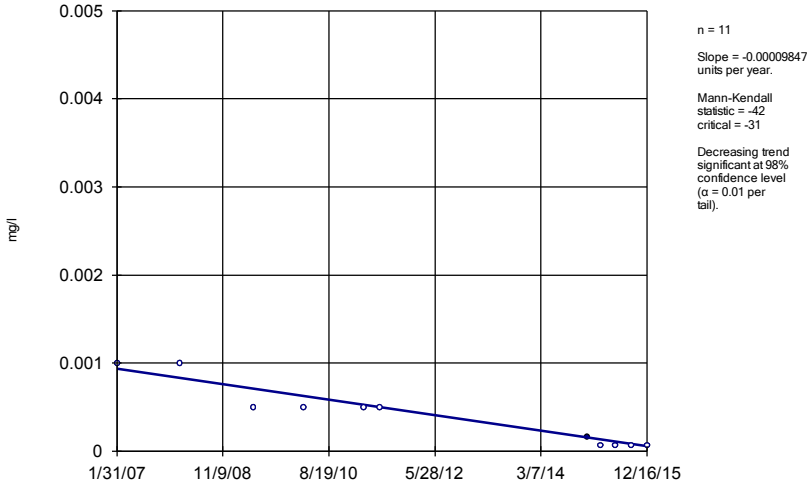
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-3



n = 11

Slope = -0.00009847 units per year.

Mann-Kendall statistic = -42
critical = -31

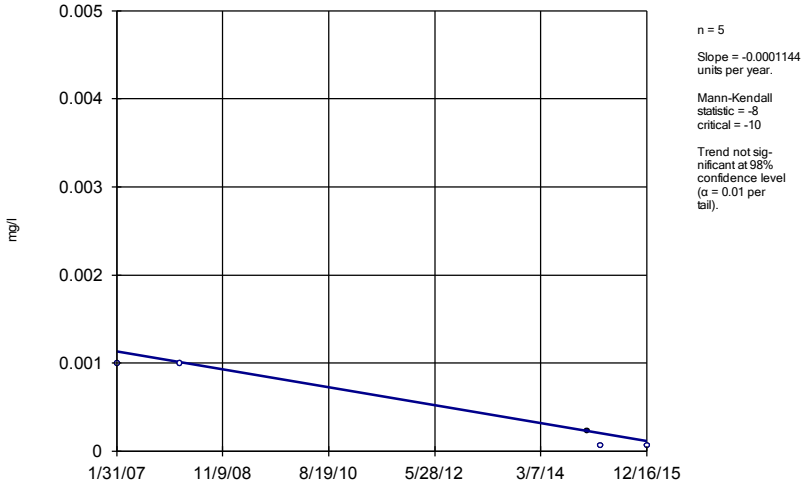
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-4



n = 5

Slope = -0.0001144 units per year.

Mann-Kendall statistic = -8
critical = -10

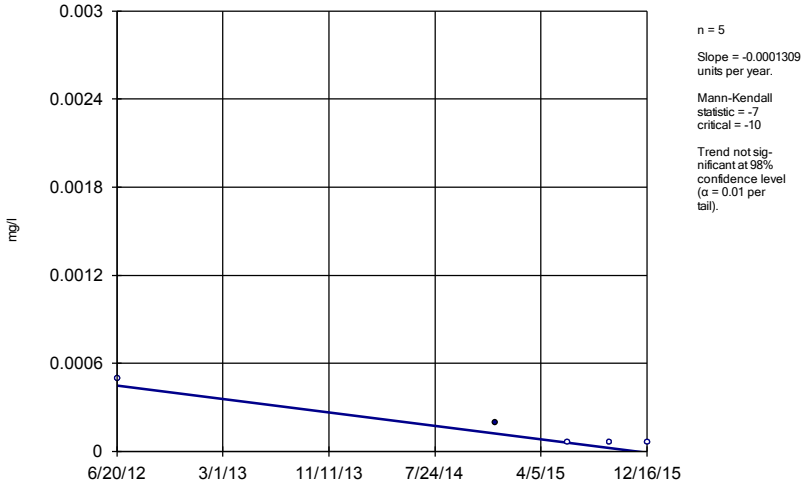
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

LFENTRANCESEEP



n = 5

Slope = -0.0001309 units per year.

Mann-Kendall statistic = -7
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

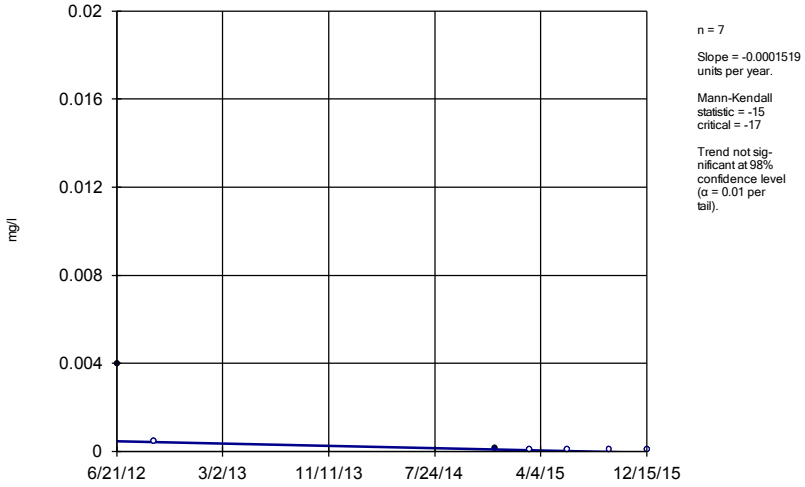
Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1R



n = 7

Slope = -0.0001519 units per year.

Mann-Kendall statistic = -15
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

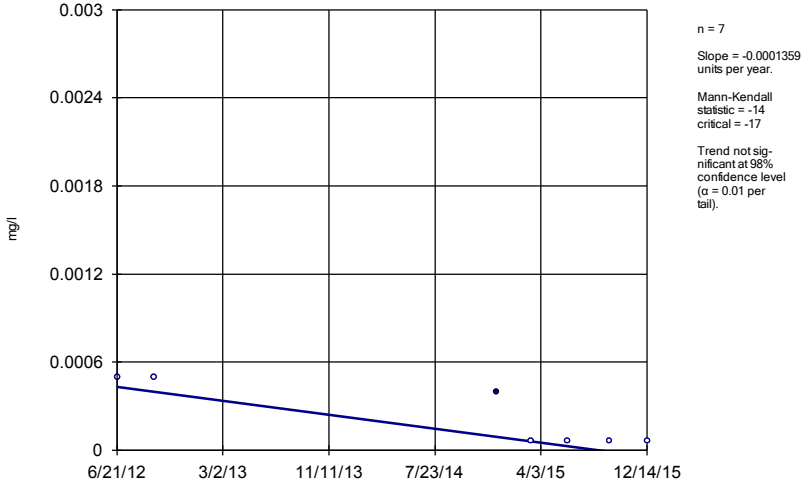
Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-2



n = 7

Slope = -0.0001359 units per year.

Mann-Kendall statistic = -14
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

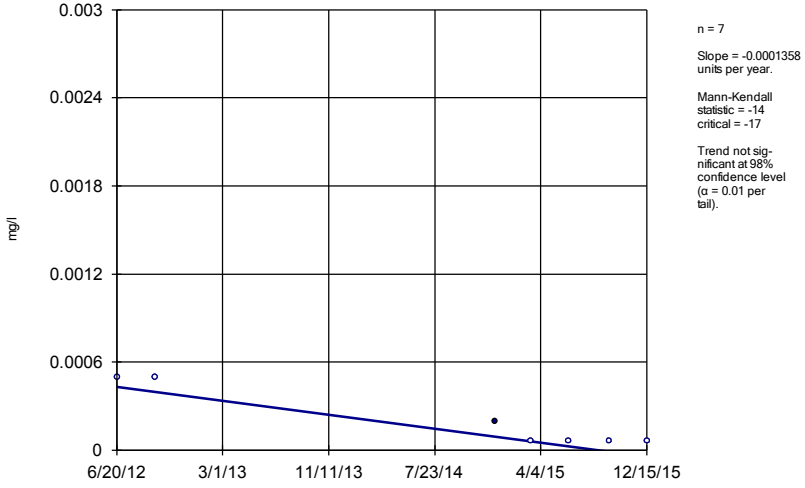
Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-3



n = 7

Slope = -0.0001358 units per year.

Mann-Kendall statistic = -14
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

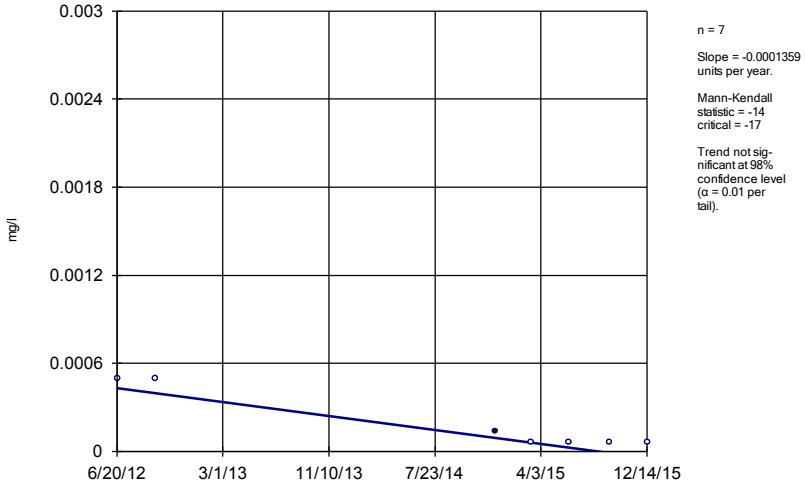
Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-6



n = 7

Slope = -0.0001359 units per year.

Mann-Kendall statistic = -14
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

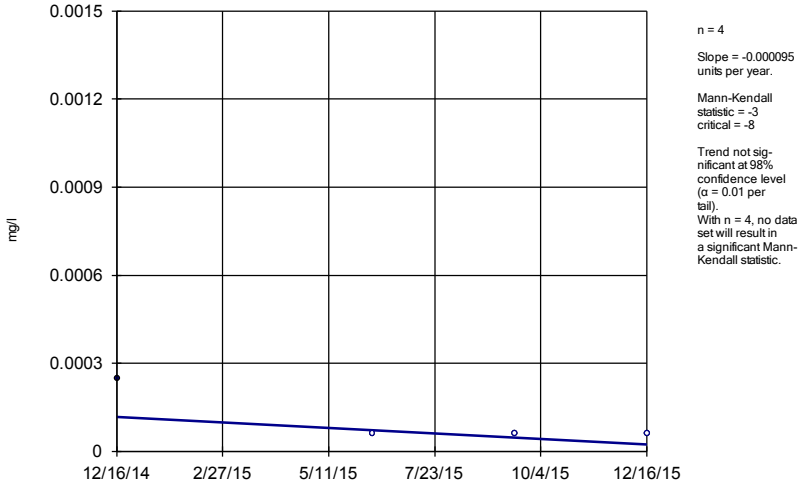
Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIDRAW



n = 4

Slope = -0.000095 units per year.

Mann-Kendall statistic = -3
critical = -8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

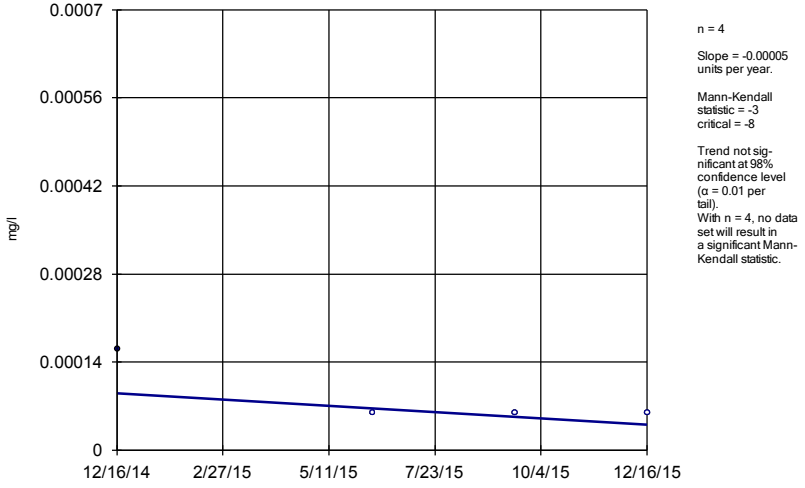
Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIVDRAW



n = 4

Slope = -0.00005 units per year.

Mann-Kendall statistic = -3
critical = -8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

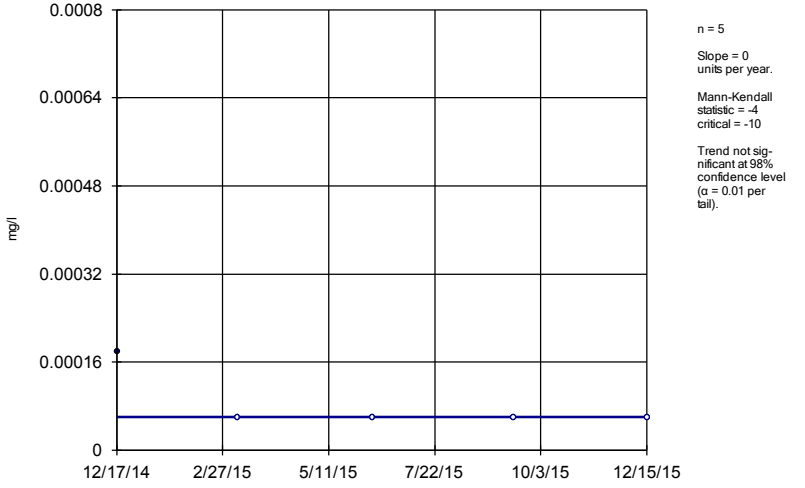
Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-NE-3



n = 5

Slope = 0 units per year.

Mann-Kendall statistic = -4
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

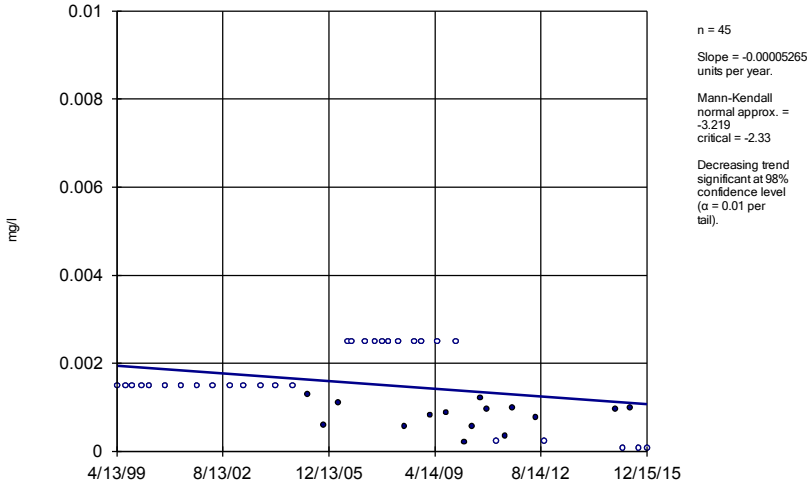
Constituent: Beryllium Analysis Run 2/2/2016 1:58 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-4



n = 45

Slope = -0.00005265 units per year.

Mann-Kendall normal approx. = -3.219
critical = -2.33

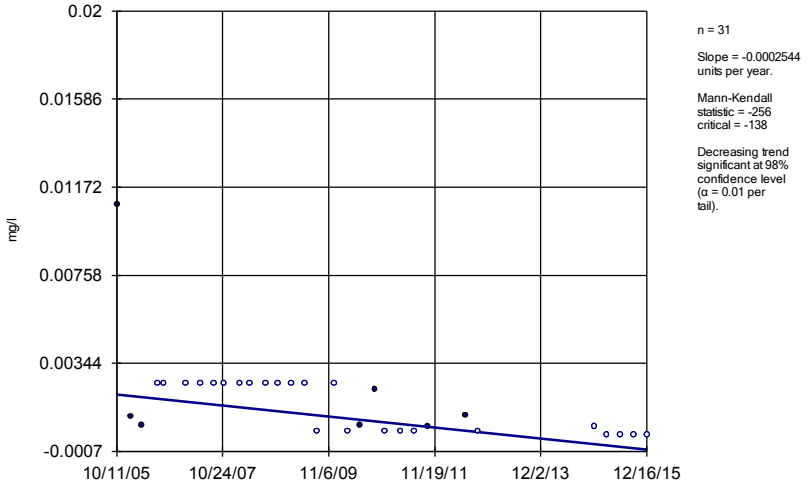
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:58 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-1



n = 31

Slope = -0.0002544 units per year.

Mann-Kendall statistic = -256
critical = -138

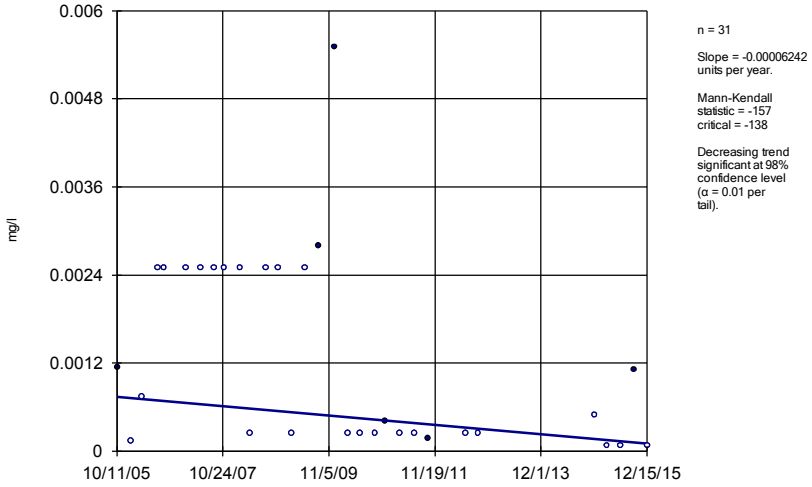
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:58 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-2



n = 31

Slope = -0.00006242 units per year.

Mann-Kendall statistic = -157
critical = -138

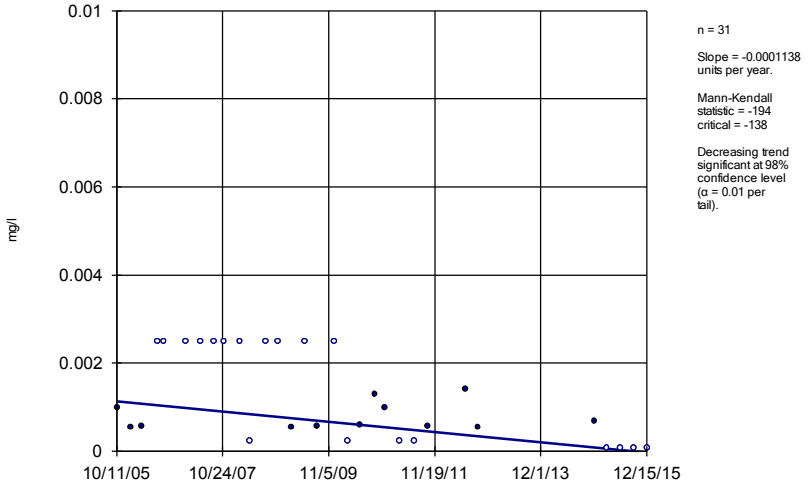
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:58 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-3



n = 31

Slope = -0.0001138 units per year.

Mann-Kendall statistic = -194
critical = -138

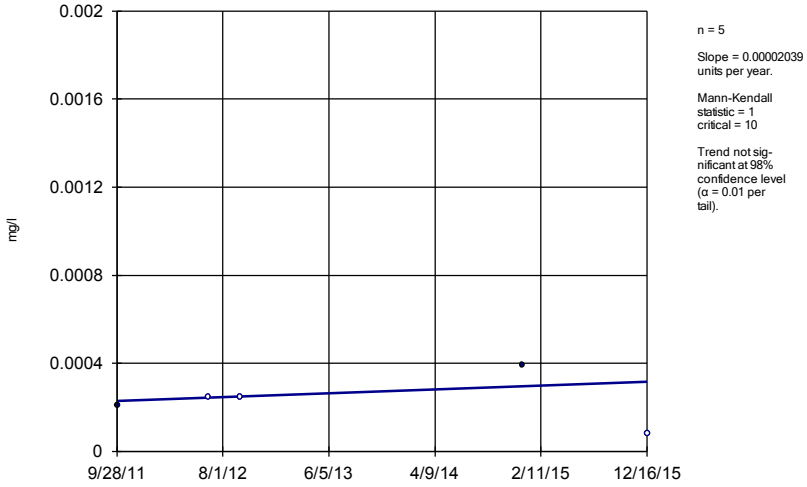
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:58 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

LEACHATE



n = 5

Slope = 0.00002039 units per year.

Mann-Kendall statistic = 1
critical = 10

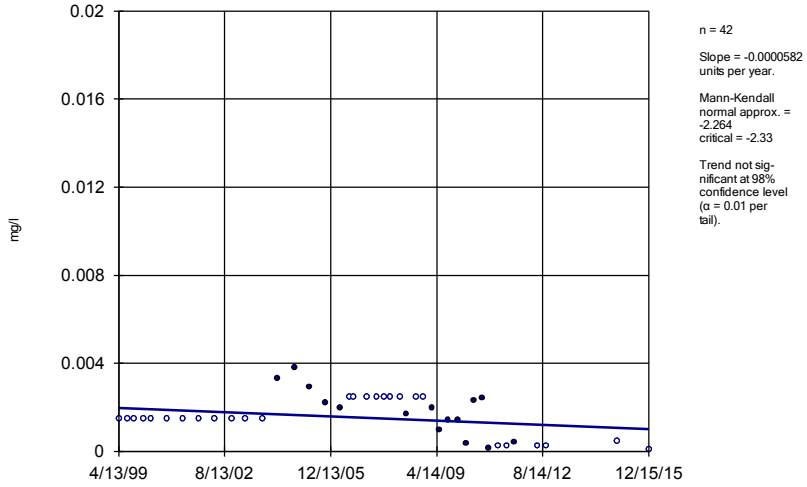
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:58 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1



n = 42

Slope = -0.0000582 units per year.

Mann-Kendall normal approx. = -2.264
critical = -2.33

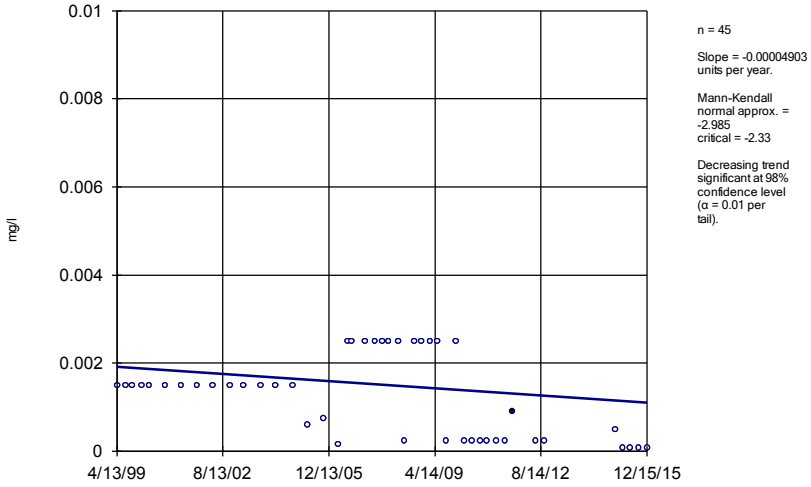
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-2



n = 45

Slope = -0.00004903 units per year.

Mann-Kendall normal approx. = -2.985
critical = -2.33

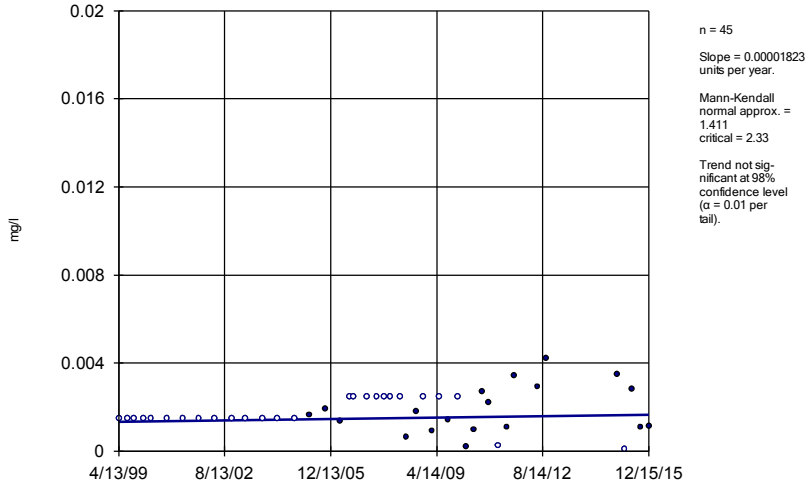
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-3



n = 45

Slope = 0.00001823 units per year.

Mann-Kendall normal approx. = 1.411
critical = 2.33

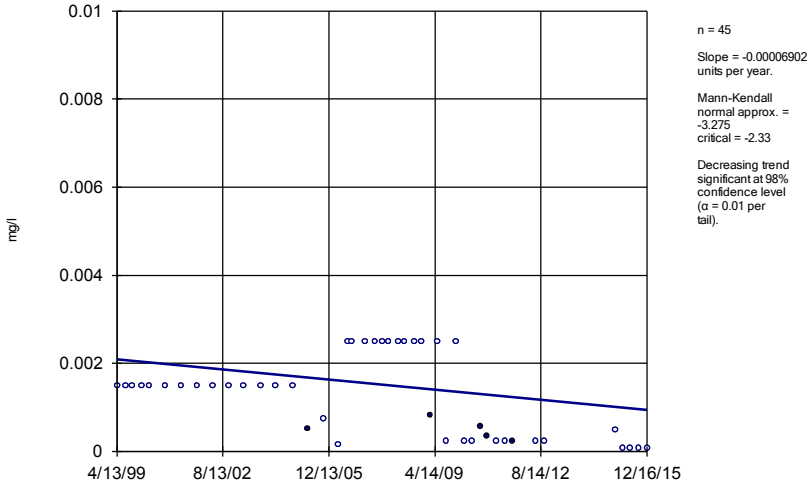
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-5



n = 45

Slope = -0.00006902 units per year.

Mann-Kendall normal approx. = -3.275
critical = -2.33

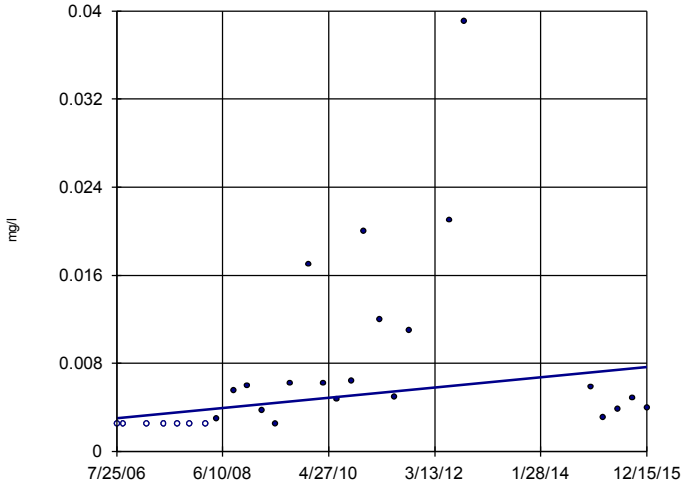
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-509D



n = 28

Slope = 0.0004979 units per year.

Mann-Kendall statistic = 163
critical = 119

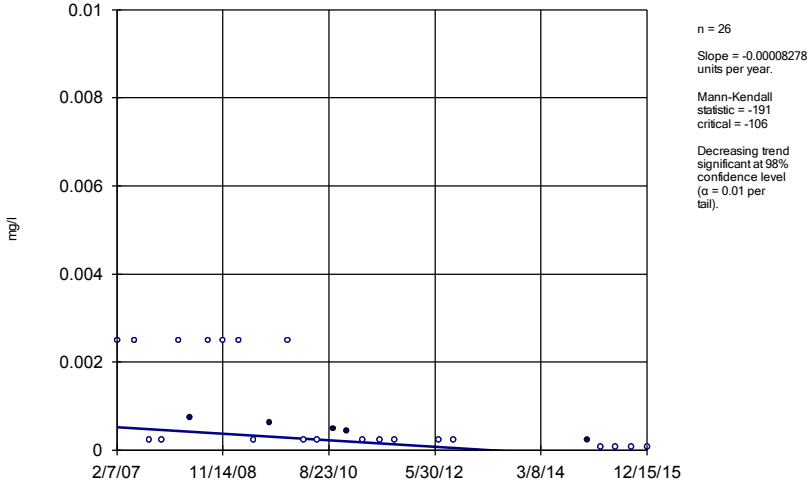
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-577



n = 26

Slope = -0.00008278 units per year.

Mann-Kendall statistic = -191
critical = -106

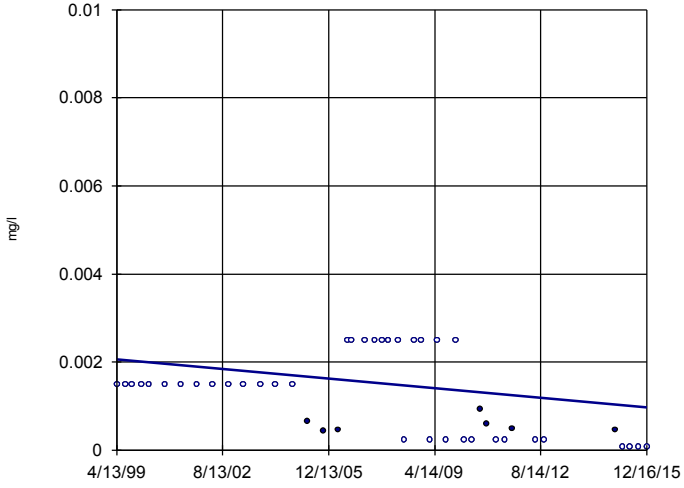
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-6



n = 45

Slope = -0.00006507 units per year.

Mann-Kendall normal approx. = -3.436
critical = -2.33

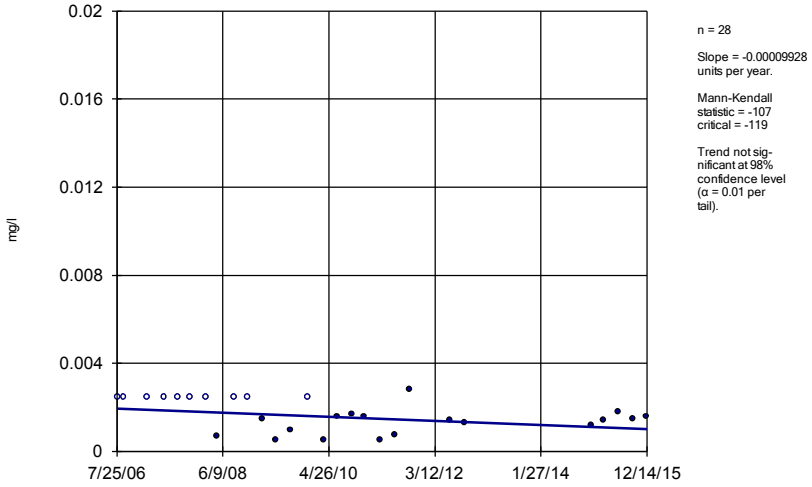
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-633D



n = 28

Slope = -0.00009928 units per year.

Mann-Kendall statistic = -107
critical = -119

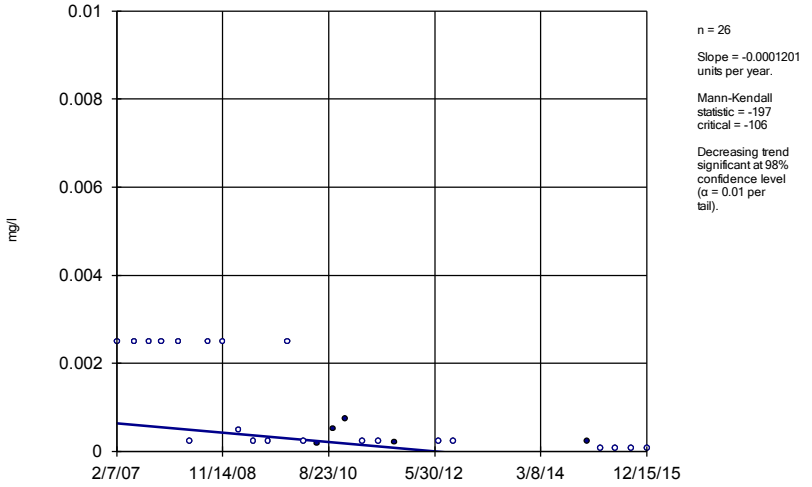
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-689D



n = 26

Slope = -0.0001201 units per year.

Mann-Kendall statistic = -197
critical = -106

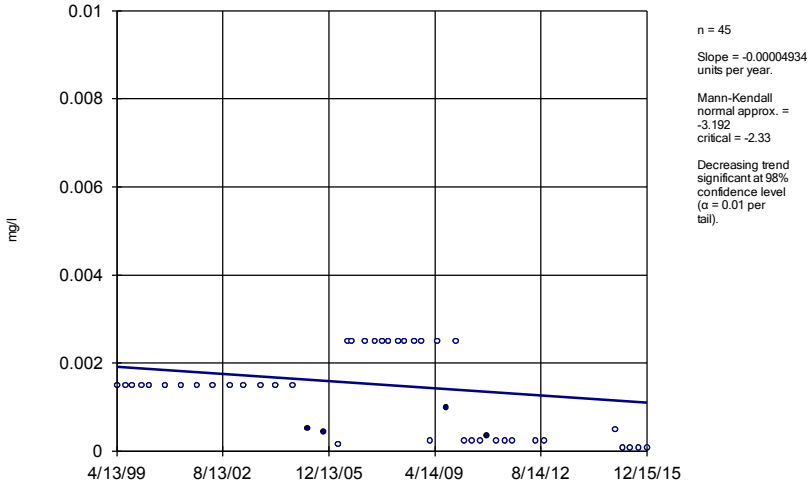
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-7



n = 45

Slope = -0.00004934 units per year.

Mann-Kendall normal approx. = -3.192
critical = -2.33

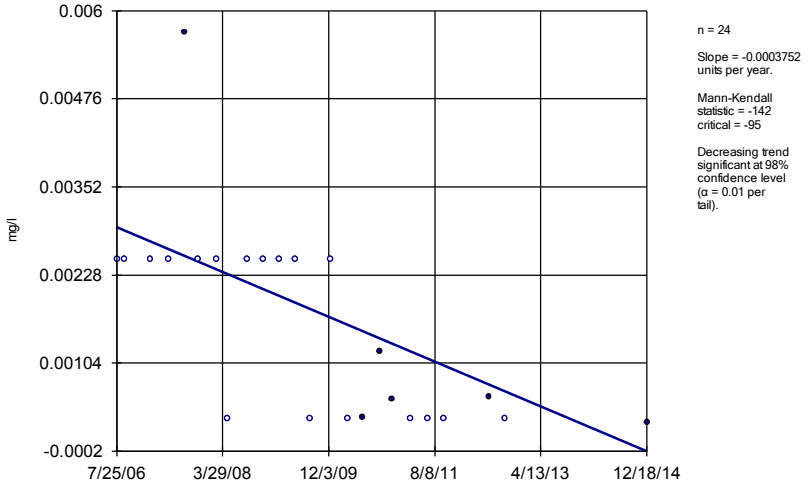
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-1



n = 24

Slope = -0.0003752 units per year.

Mann-Kendall statistic = -142
critical = -95

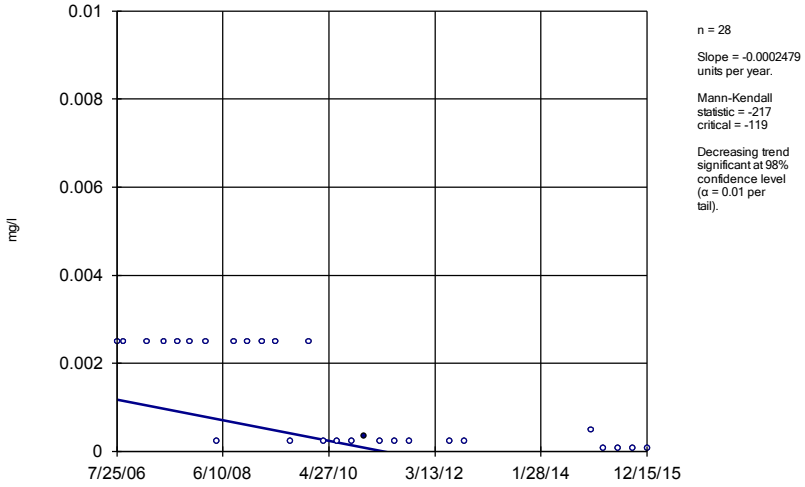
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-2



n = 28

Slope = -0.0002479 units per year.

Mann-Kendall statistic = -217
critical = -119

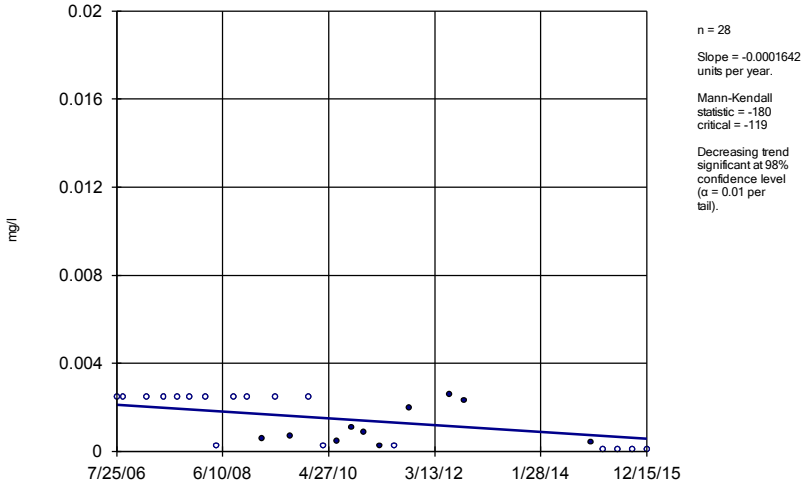
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-3



n = 28

Slope = -0.0001642 units per year.

Mann-Kendall statistic = -180
critical = -119

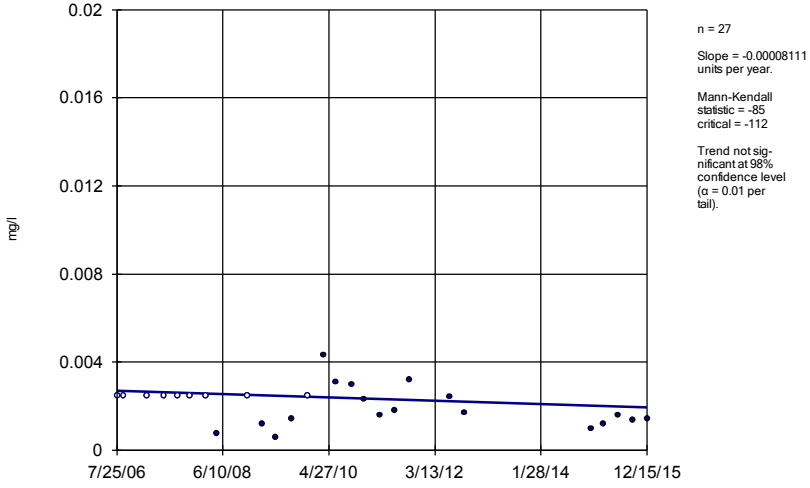
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-4



n = 27

Slope = -0.00008111 units per year.

Mann-Kendall statistic = -85
critical = -112

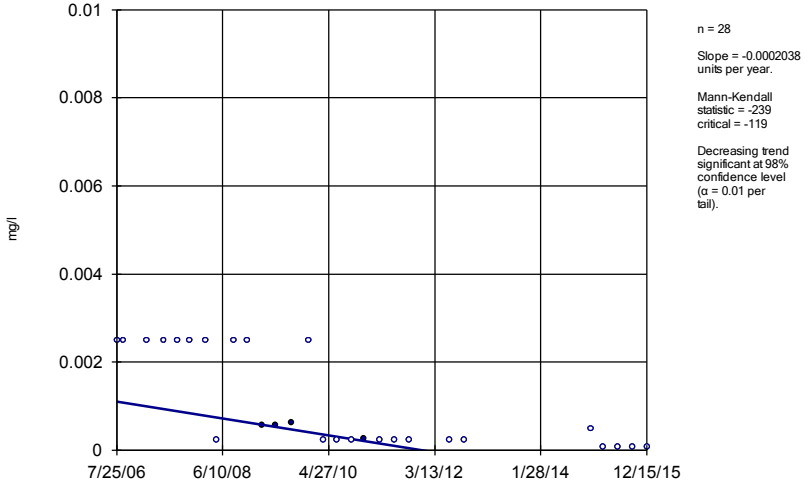
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-7



n = 28

Slope = -0.0002038 units per year.

Mann-Kendall statistic = -239
critical = -119

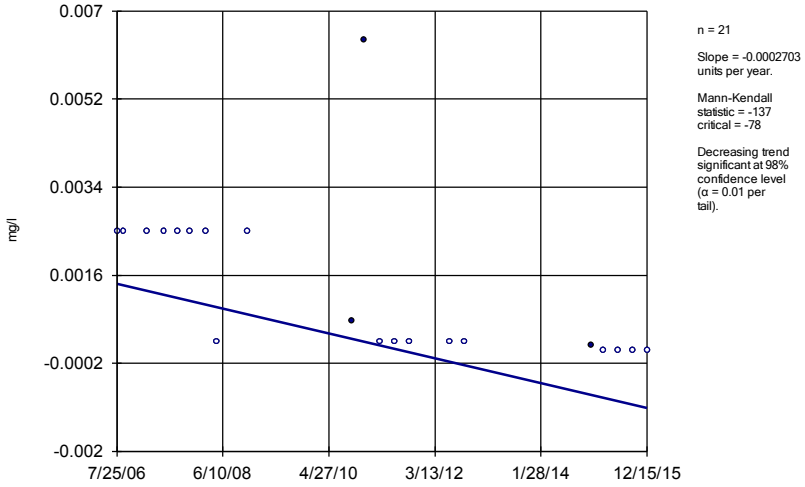
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-8



n = 21

Slope = -0.0002703 units per year.

Mann-Kendall statistic = -137
critical = -78

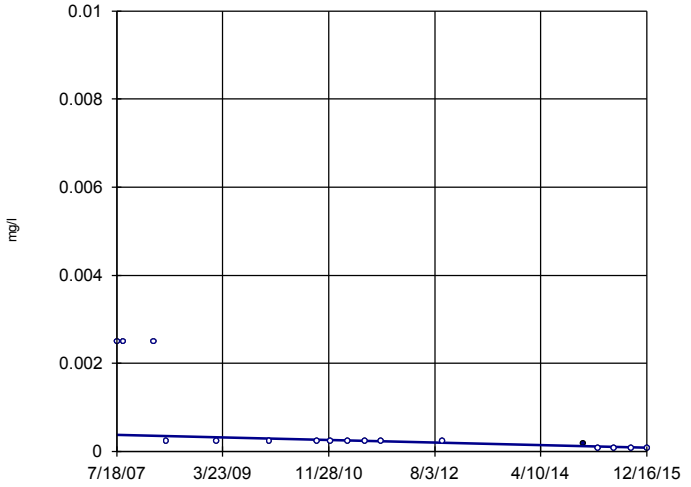
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-7



n = 17

Slope = -0.00003397 units per year.

Mann-Kendall statistic = -91
critical = -58

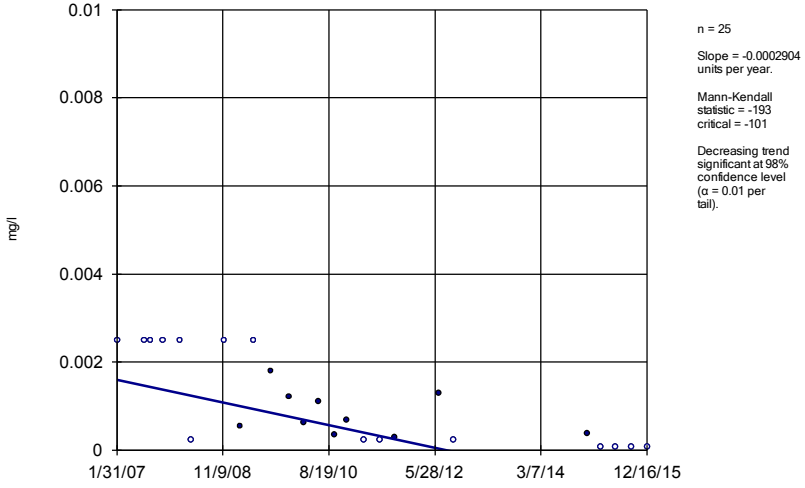
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGA



n = 25

Slope = -0.0002904 units per year.

Mann-Kendall statistic = -193
critical = -101

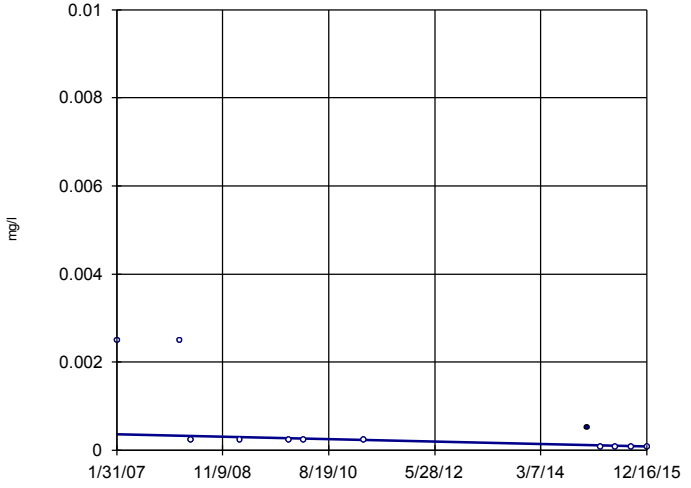
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGB



n = 12

Slope = -0.00003031 units per year.

Mann-Kendall statistic = -39
critical = -35

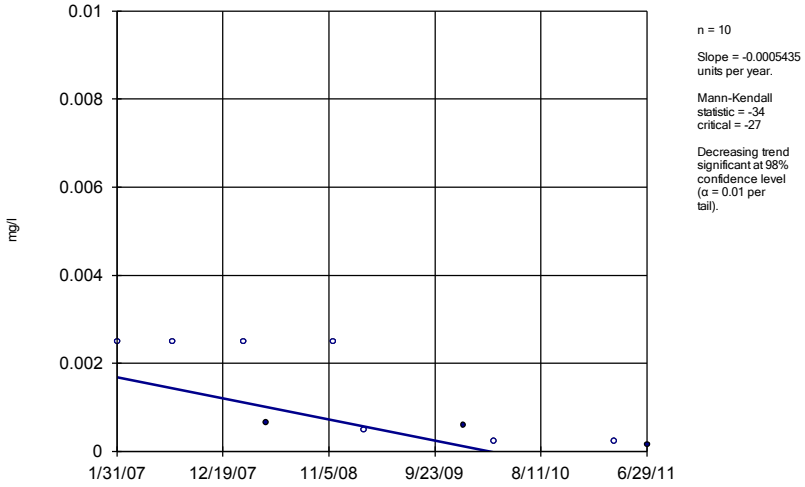
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-1



n = 10

Slope = -0.0005435 units per year.

Mann-Kendall statistic = -34
critical = -27

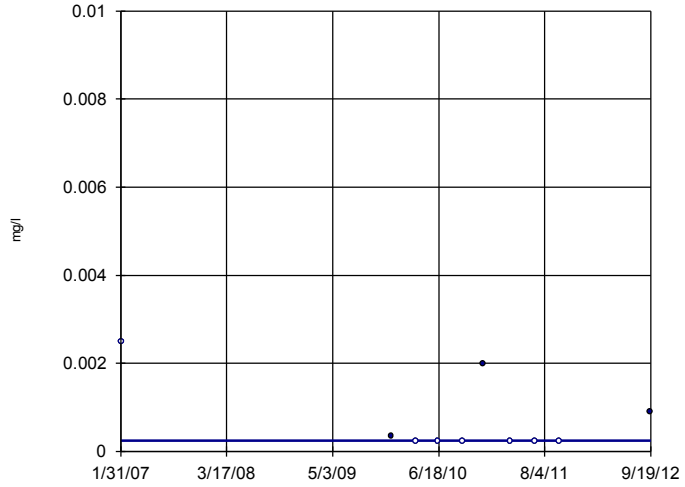
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-2



n = 10

Slope = 0 units per year.

Mann-Kendall statistic = -8
critical = -27

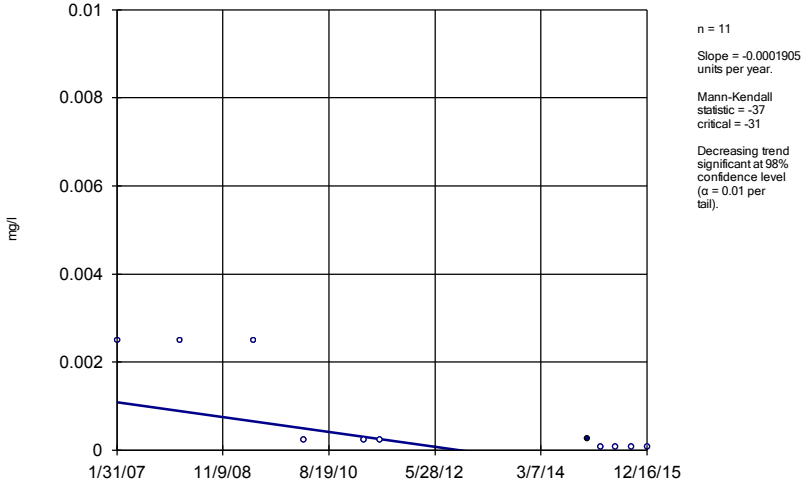
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-3



n = 11

Slope = -0.0001905 units per year.

Mann-Kendall statistic = -37
critical = -31

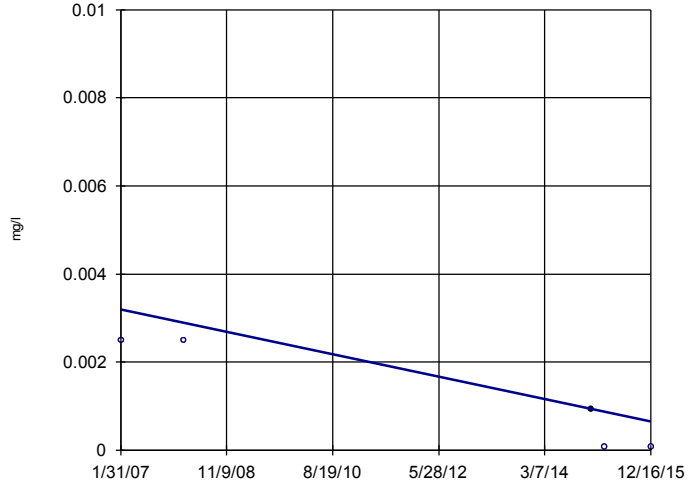
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-4



n = 5

Slope = -0.0002855 units per year.

Mann-Kendall statistic = -8
critical = -10

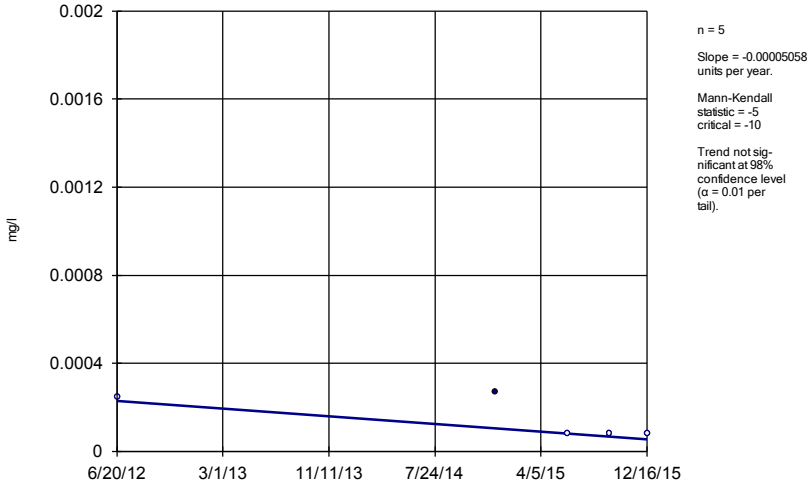
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

LFENTRANCESEEP



n = 5

Slope = -0.00005058 units per year.

Mann-Kendall statistic = -5
critical = -10

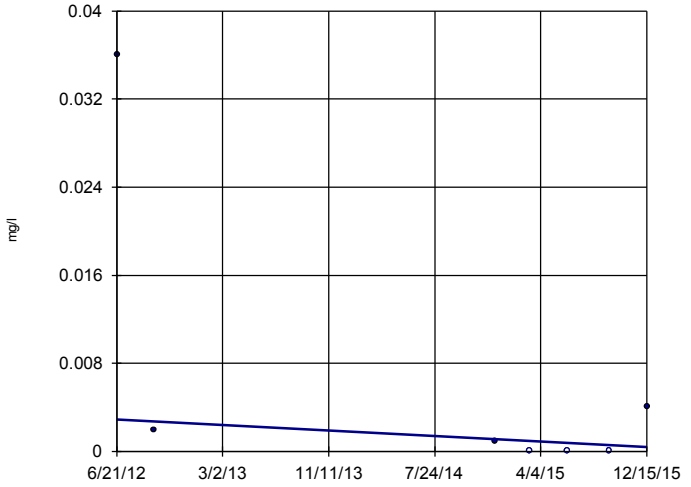
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1R



n = 7

Slope = -0.0007072 units per year.

Mann-Kendall statistic = -8
critical = -17

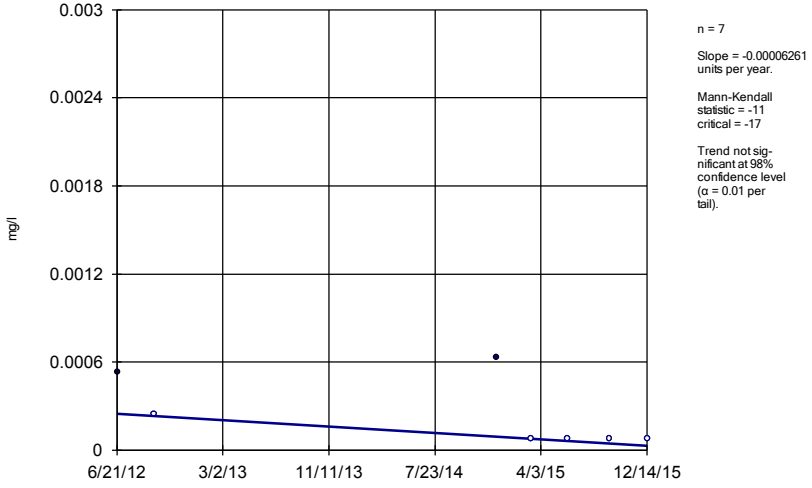
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-2



n = 7

Slope = -0.00006261 units per year.

Mann-Kendall statistic = -11
critical = -17

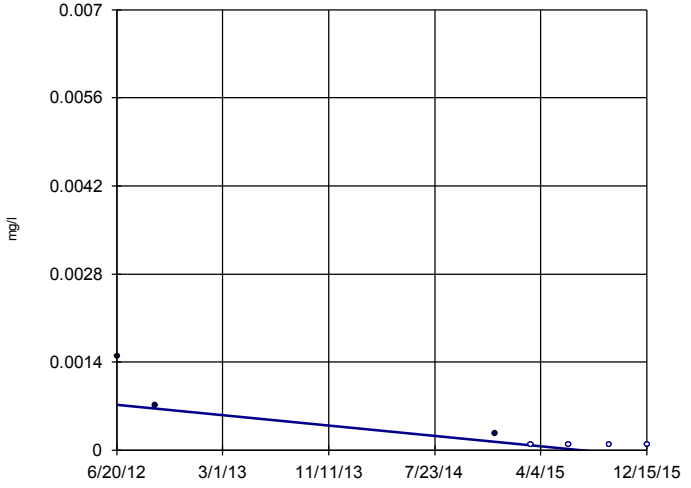
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-3



n = 7

Slope = -0.0002352 units per year.

Mann-Kendall statistic = -15
critical = -17

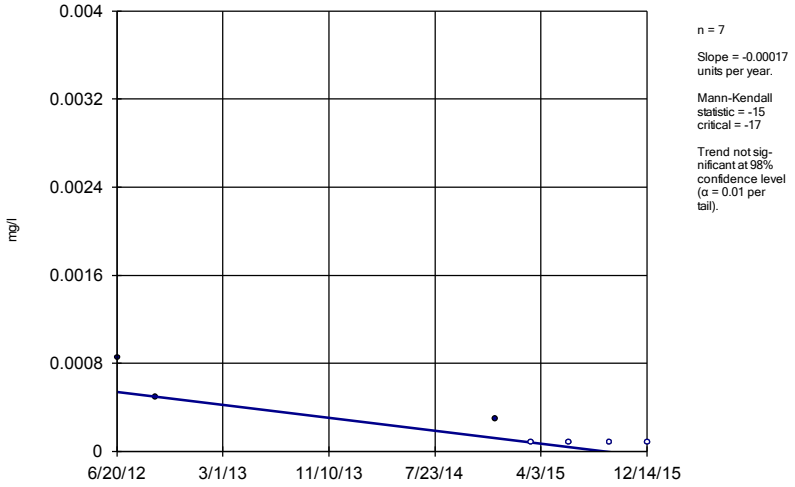
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-6



n = 7

Slope = -0.00017 units per year.

Mann-Kendall statistic = -15
critical = -17

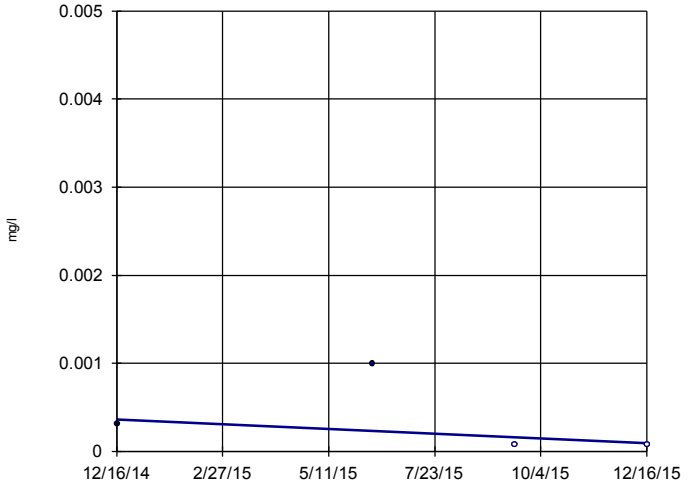
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIDRAW



n = 4

Slope = -0.0002682 units per year.

Mann-Kendall statistic = -3
critical = -8

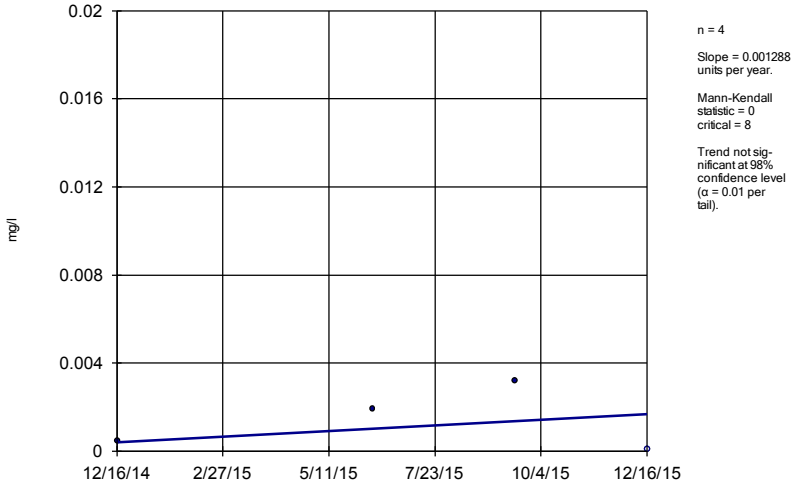
Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIVDRAW



n = 4

Slope = 0.001288 units per year.

Mann-Kendall statistic = 0
critical = 8

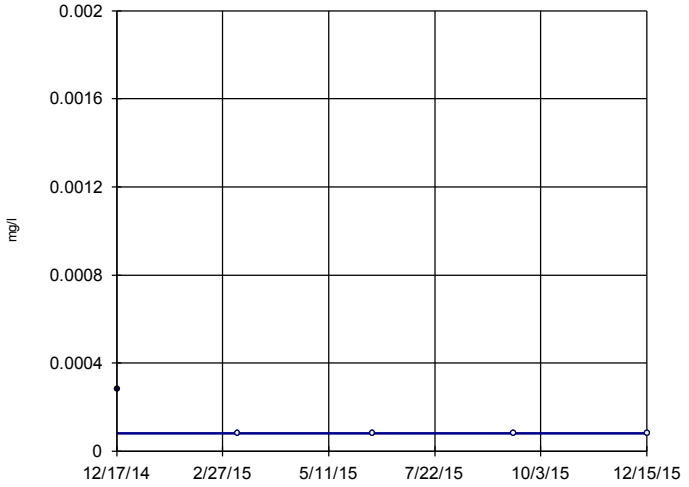
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-NE-3



n = 5

Slope = 0 units per year.

Mann-Kendall statistic = -4
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

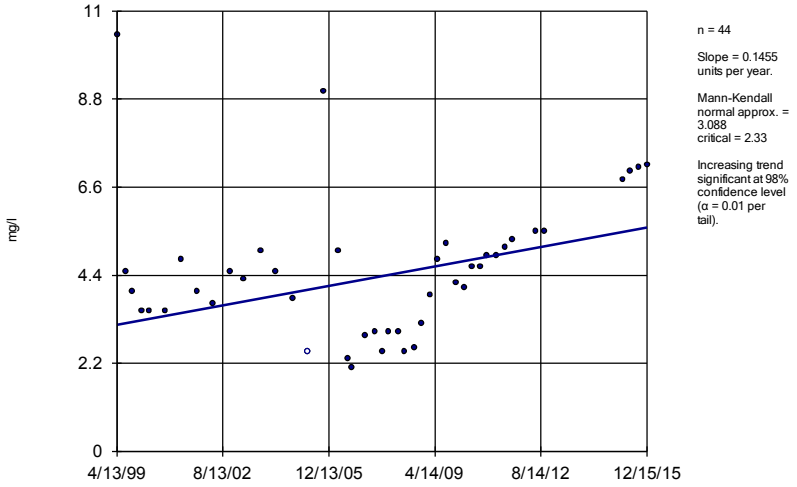
Constituent: Cadmium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-4



n = 44

Slope = 0.1455 units per year.

Mann-Kendall normal approx. = 3.088
critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

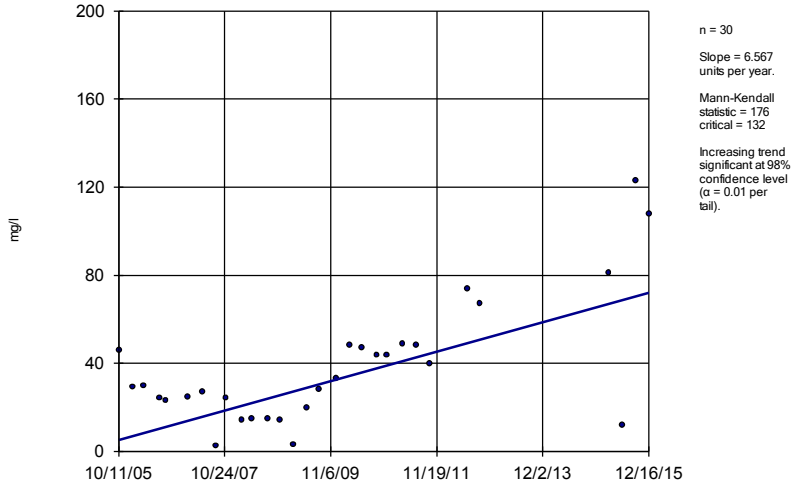
Constituent: Chloride Analysis Run 2/2/2016 1:59 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

CAO-1



n = 30

Slope = 6.567 units per year.

Mann-Kendall statistic = 176
critical = 132

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

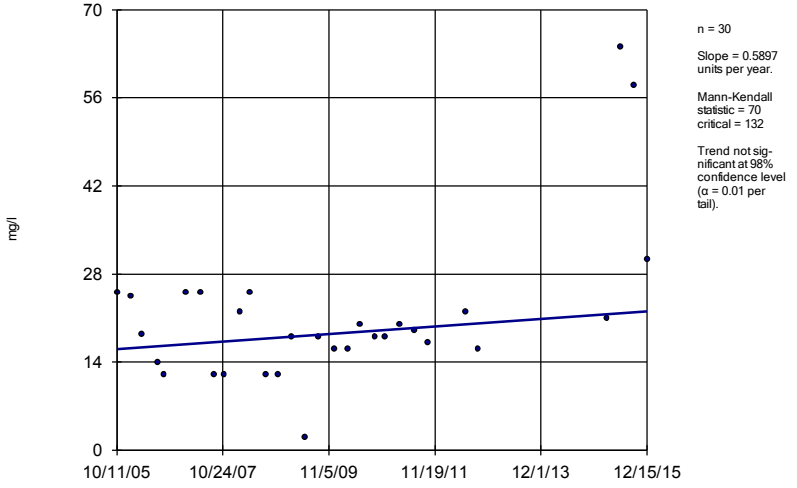
Constituent: Chloride Analysis Run 2/2/2016 1:59 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

CAO-2



n = 30

Slope = 0.5897 units per year.

Mann-Kendall statistic = 70
critical = 132

Trend not significant at 98% confidence level (α = 0.01 per tail).

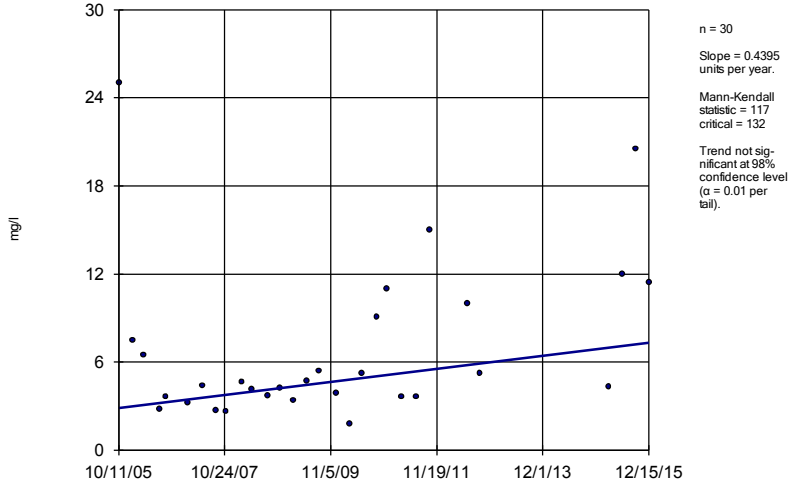
Constituent: Chloride Analysis Run 2/2/2016 1:59 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

CAO-3



n = 30

Slope = 0.4395 units per year.

Mann-Kendall statistic = 117
critical = 132

Trend not significant at 98% confidence level (α = 0.01 per tail).

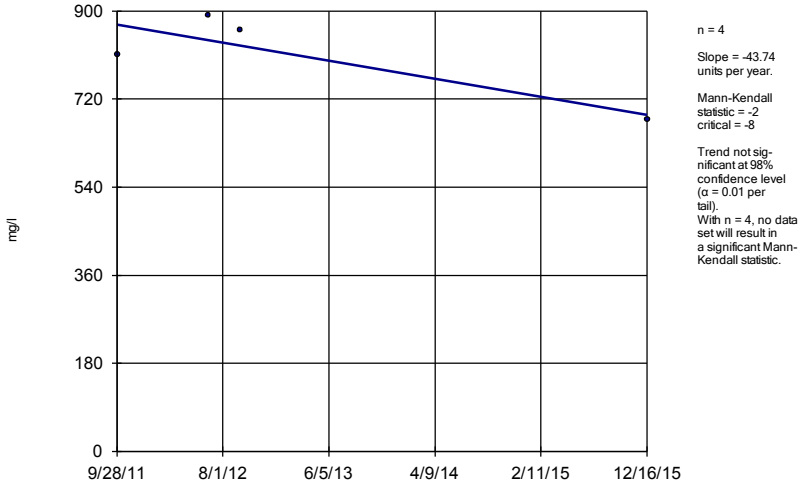
Constituent: Chloride Analysis Run 2/2/2016 1:59 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

LEACHATE



n = 4

Slope = -43.74 units per year.

Mann-Kendall statistic = -2
critical = -8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

Constituent: Chloride Analysis Run 2/2/2016 1:59 PM

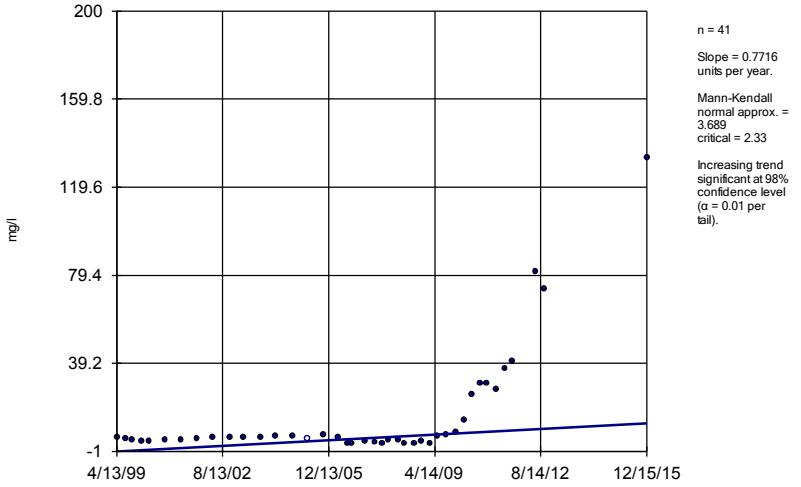
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1



n = 41

Slope = 0.7716 units per year.

Mann-Kendall normal approx. = 3.689
critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chloride Analysis Run 2/2/2016 1:59 PM

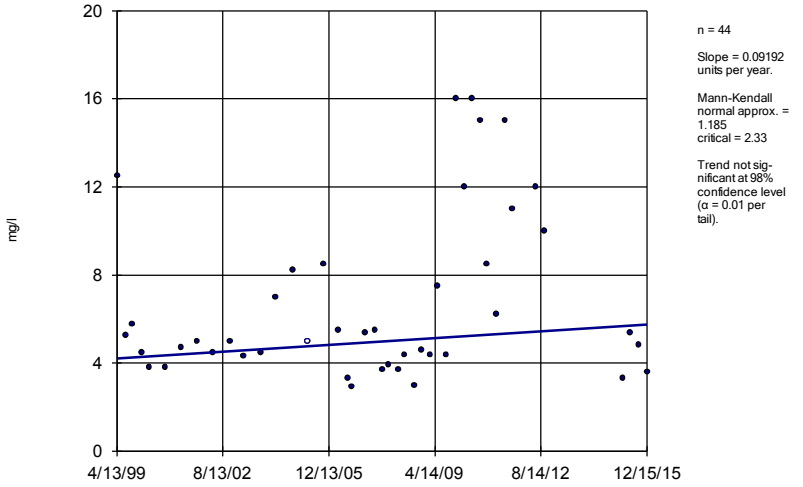
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-2



n = 44

Slope = 0.09192 units per year.

Mann-Kendall normal approx. = 1.185
critical = 2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

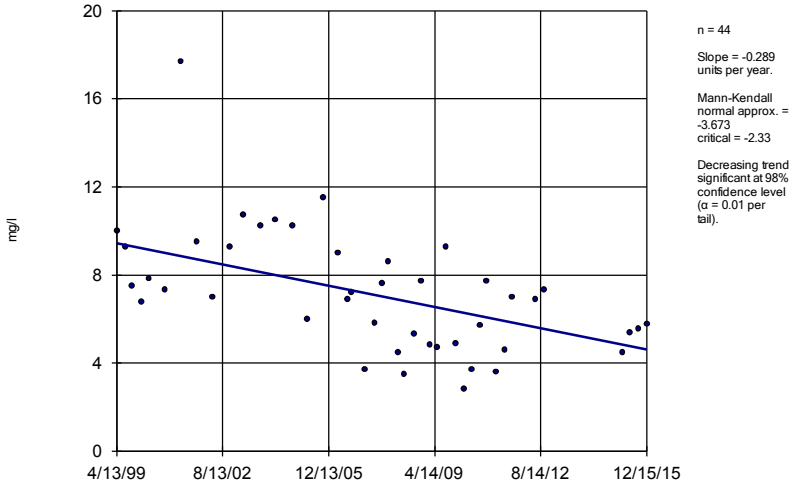
Constituent: Chloride Analysis Run 2/2/2016 1:59 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-3



n = 44

Slope = -0.289 units per year.

Mann-Kendall normal approx. = -3.673
critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chloride Analysis Run 2/2/2016 1:59 PM

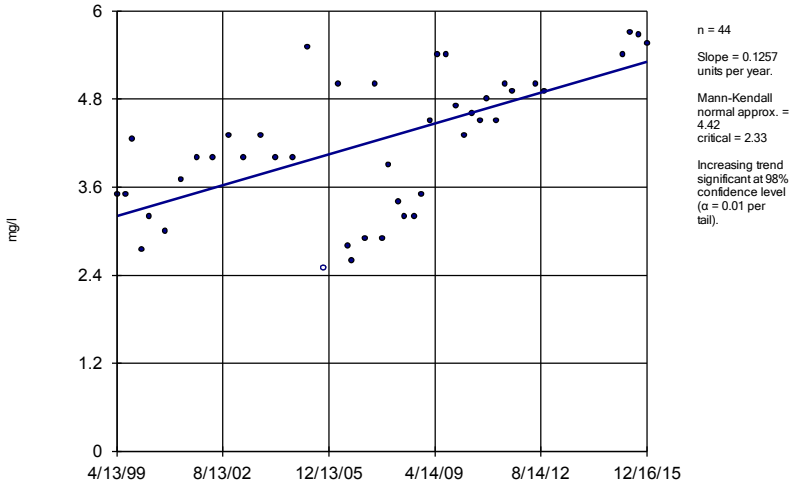
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-5



n = 44

Slope = 0.1257 units per year.

Mann-Kendall normal approx. = 4.42 critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

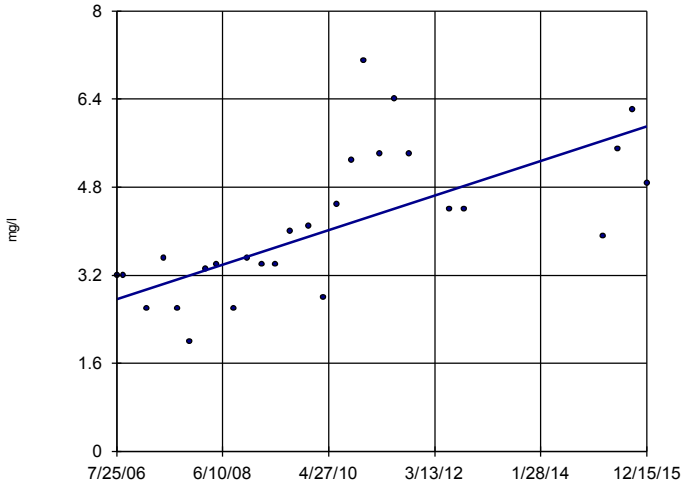
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-509D



n = 27

Slope = 0.3335 units per year.

Mann-Kendall statistic = 205 critical = 112

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

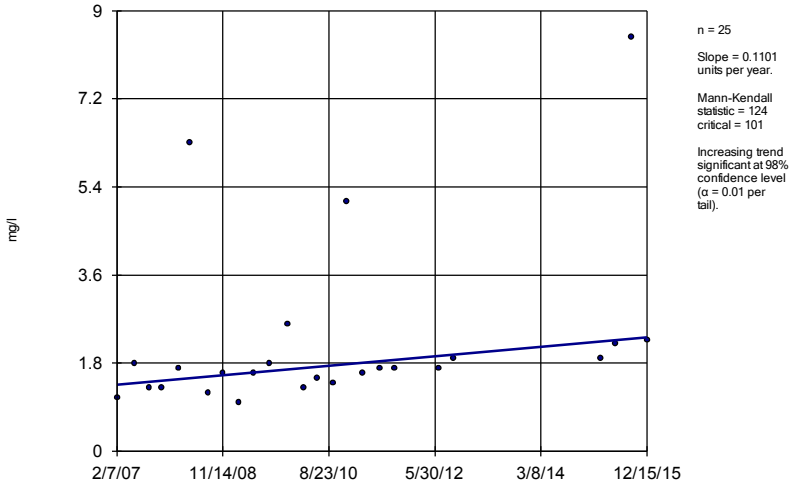
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-577



n = 25

Slope = 0.1101 units per year.

Mann-Kendall statistic = 124 critical = 101

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

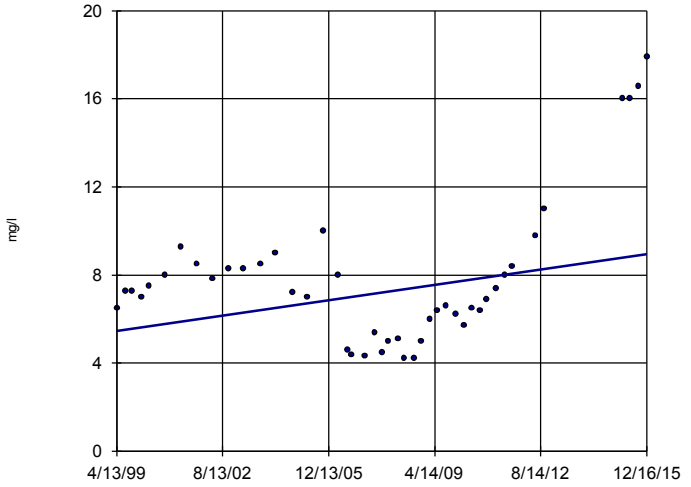
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-6



n = 44

Slope = 0.2087 units per year.

Mann-Kendall normal approx. = 1.326 critical = 2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

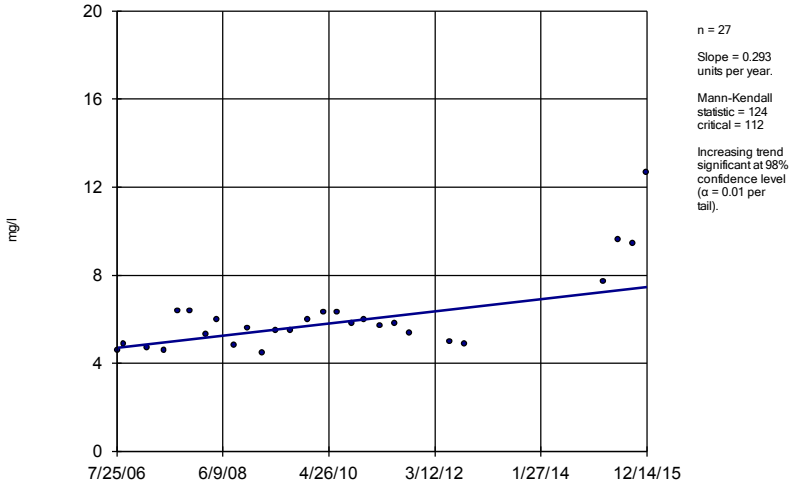
Constituent: Chloride Analysis Run 2/2/2016 1:59 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-633D



n = 27

Slope = 0.293 units per year.

Mann-Kendall statistic = 124 critical = 112

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

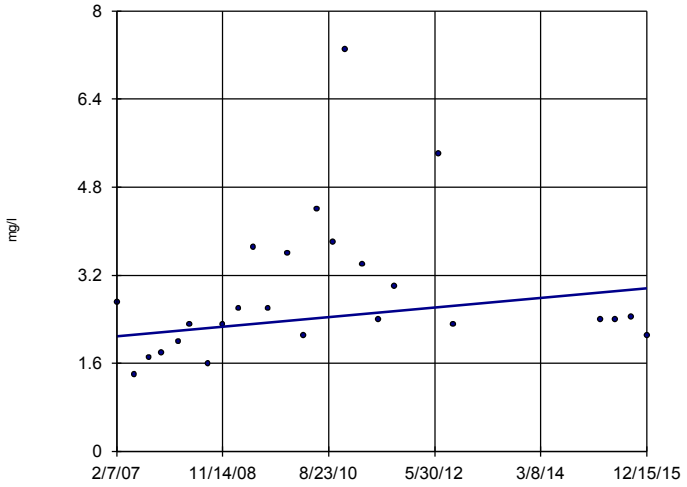
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-689D



n = 25

Slope = 0.09765 units per year.

Mann-Kendall statistic = 79 critical = 101

Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chloride Analysis Run 2/2/2016 1:59 PM

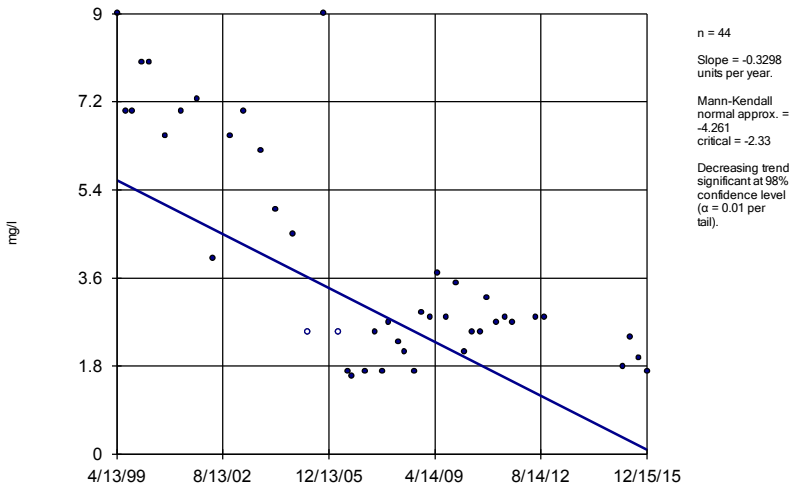
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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-7



n = 44

Slope = -0.3298 units per year.

Mann-Kendall normal approx. = -4.261 critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

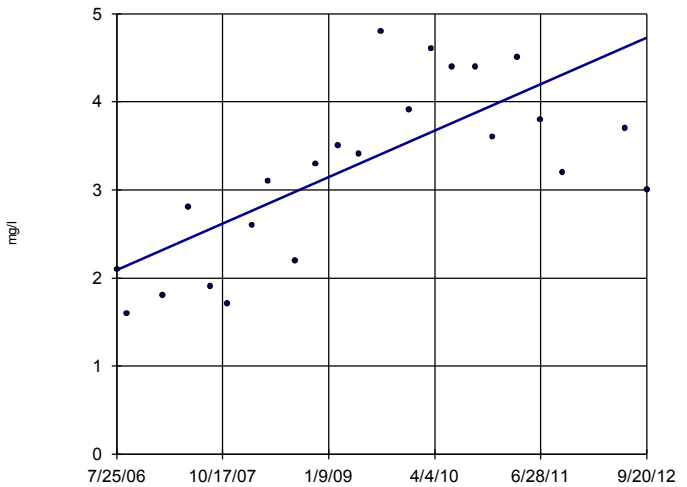
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-1



n = 23

Slope = 0.428 units per year.

Mann-Kendall statistic = 124 critical = 89

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

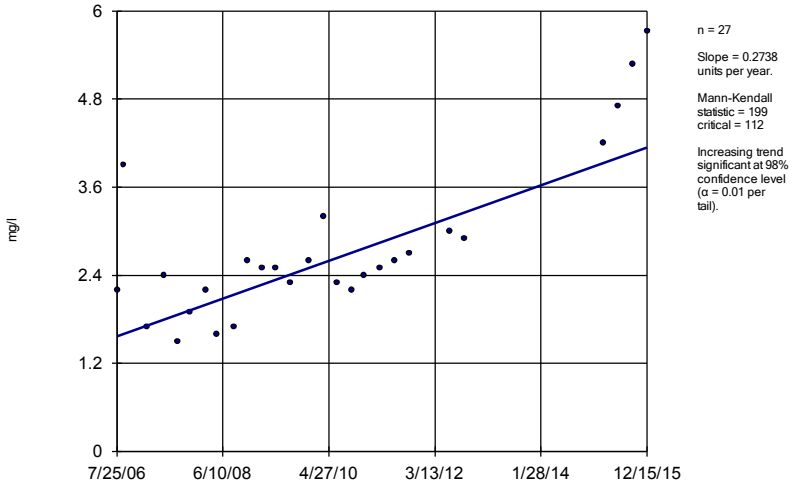
Constituent: Chloride Analysis Run 2/2/2016 1:59 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-2



n = 27

Slope = 0.2738 units per year.

Mann-Kendall statistic = 199
critical = 112

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

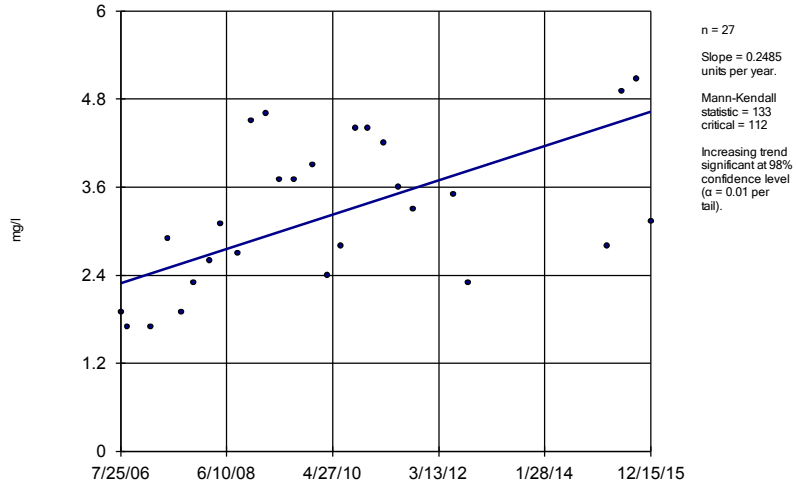
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-3



n = 27

Slope = 0.2485 units per year.

Mann-Kendall statistic = 133
critical = 112

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

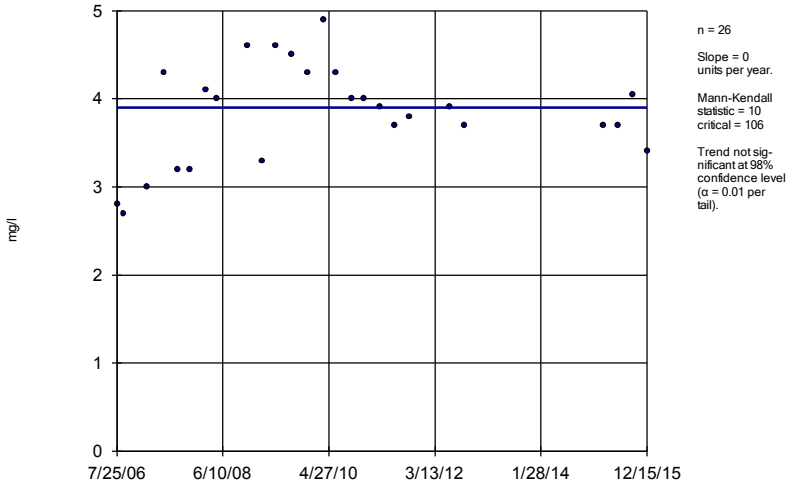
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-4



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = 10
critical = 106

Trend not significant at 98% confidence level (α = 0.01 per tail).

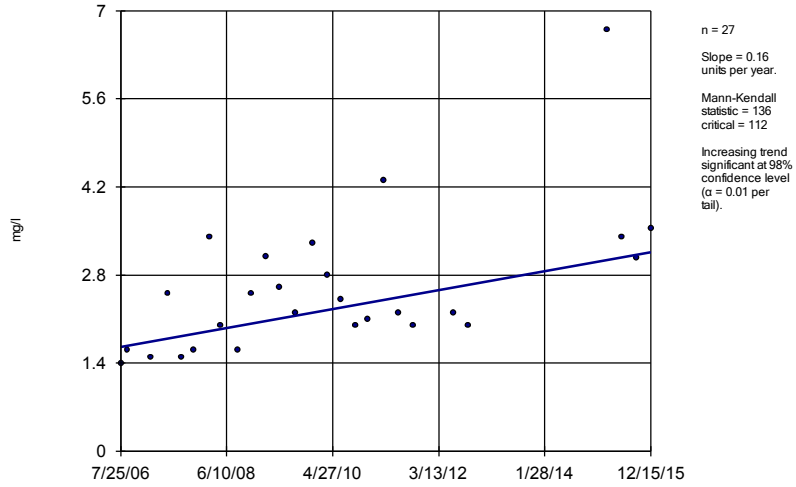
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-7



n = 27

Slope = 0.16 units per year.

Mann-Kendall statistic = 136
critical = 112

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

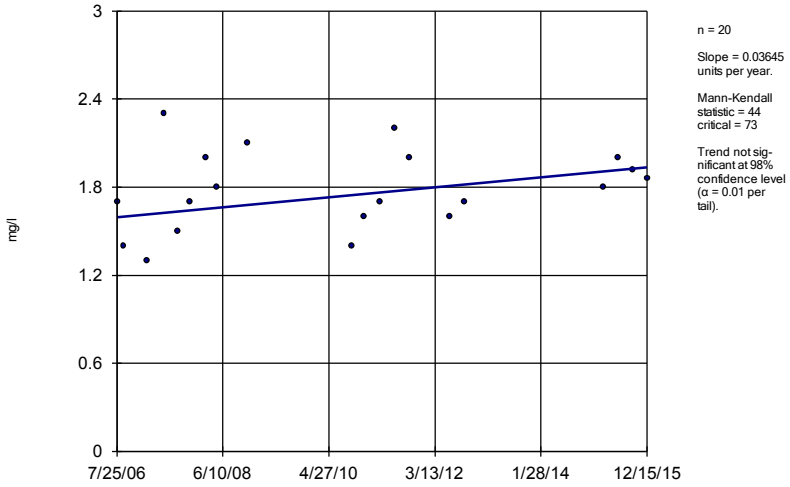
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-8



n = 20

Slope = 0.03645 units per year.

Mann-Kendall statistic = 44
critical = 73

Trend not significant at 98% confidence level (α = 0.01 per tail).

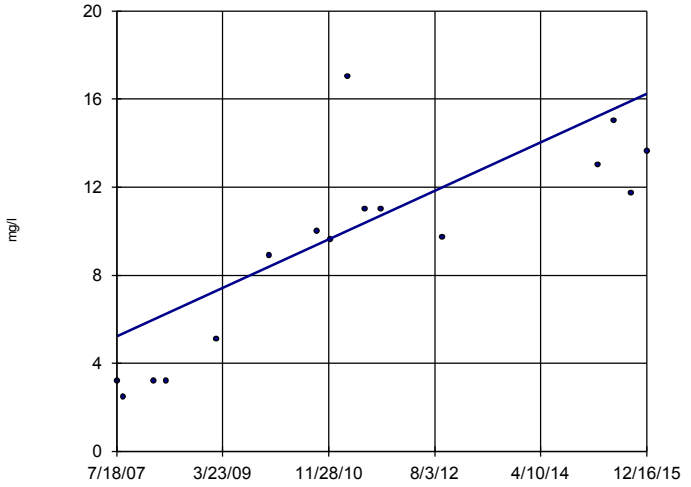
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

SP-7



n = 16

Slope = 1.307 units per year.

Mann-Kendall statistic = 86
critical = 53

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

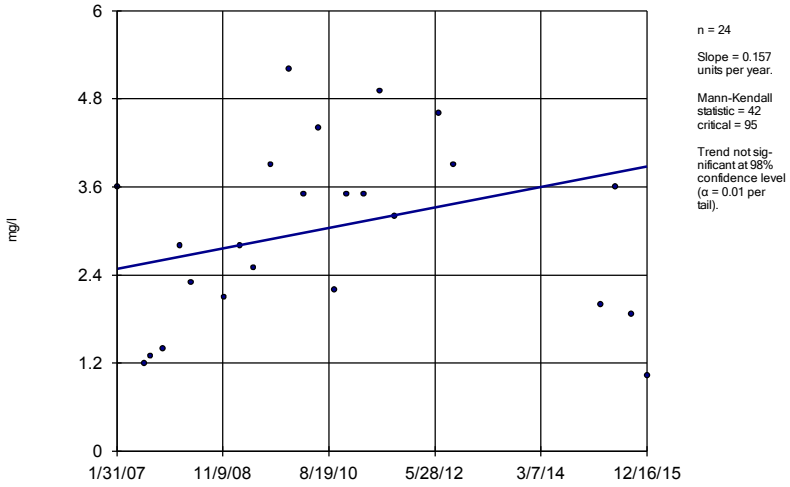
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

SPRINGA



n = 24

Slope = 0.157 units per year.

Mann-Kendall statistic = 42
critical = 95

Trend not significant at 98% confidence level (α = 0.01 per tail).

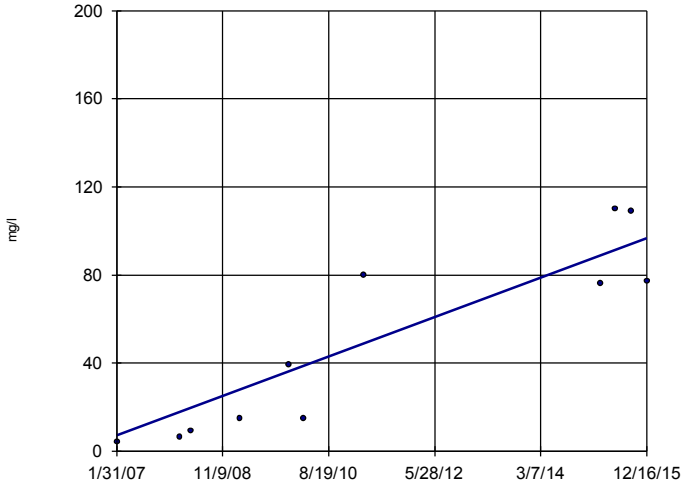
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

SPRINGB



n = 11

Slope = 10.08 units per year.

Mann-Kendall statistic = 42
critical = 31

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

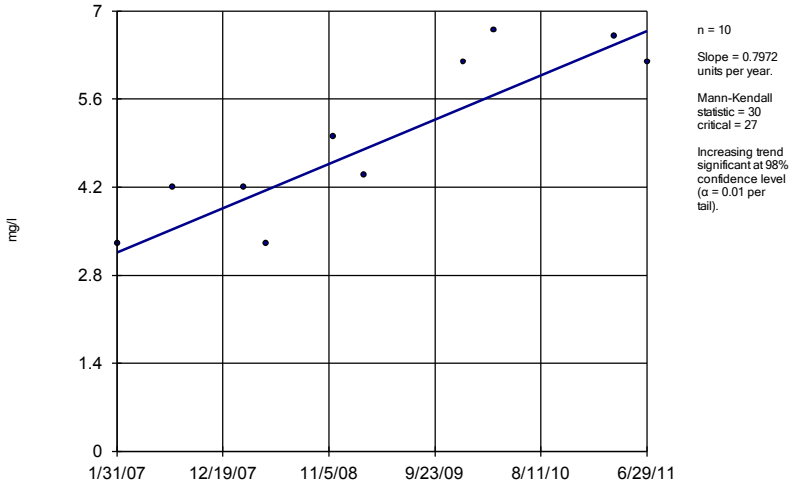
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

TSP-1



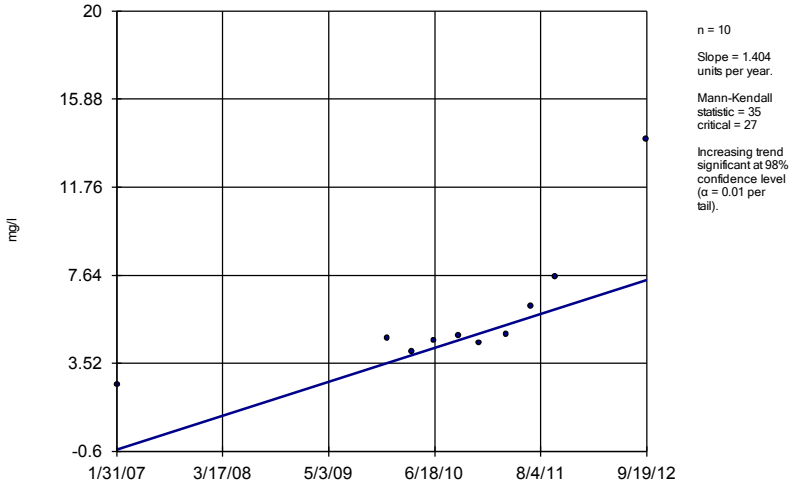
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

TSP-2



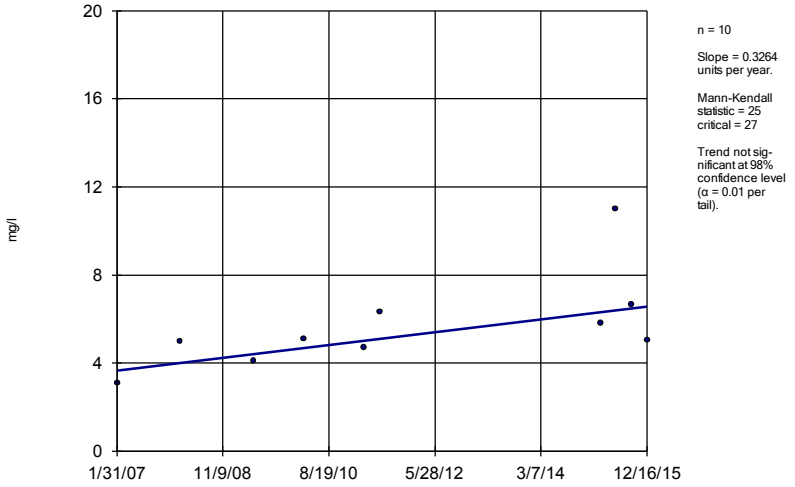
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Sen's Slope Estimator

TSP-3



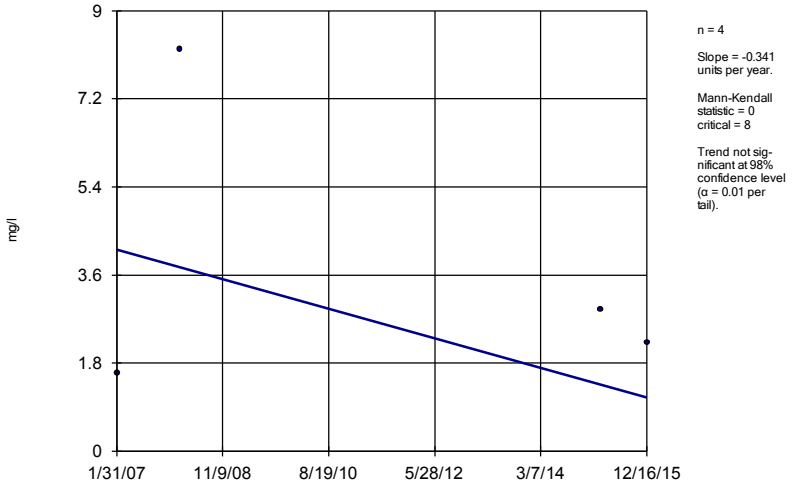
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

TSP-4



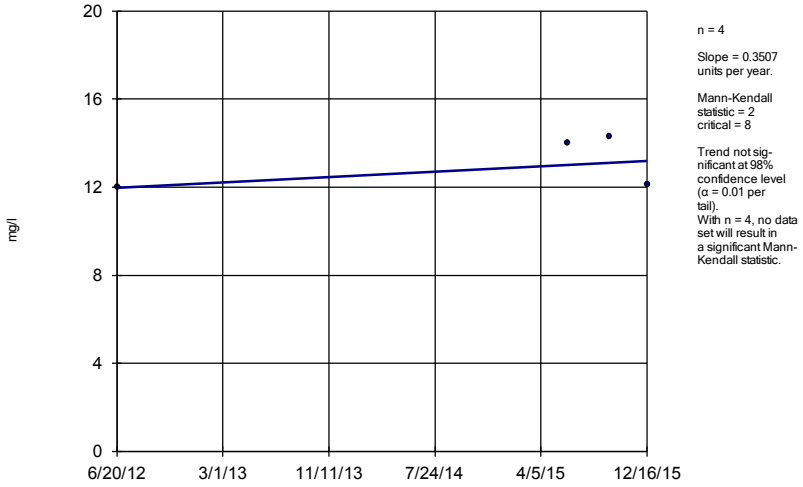
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

LFENTRANCESEEP



n = 4

Slope = 0.3507 units per year.

Mann-Kendall statistic = 2
critical = 8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

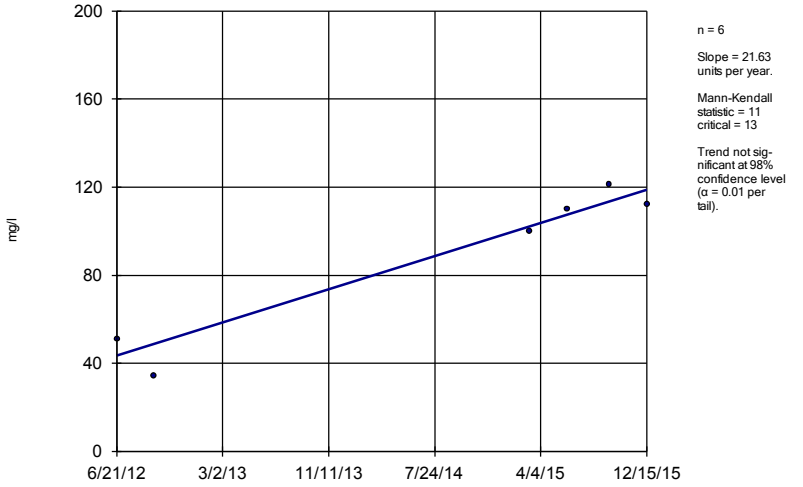
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-1R



n = 6

Slope = 21.63 units per year.

Mann-Kendall statistic = 11
critical = 13

Trend not significant at 98% confidence level (α = 0.01 per tail).

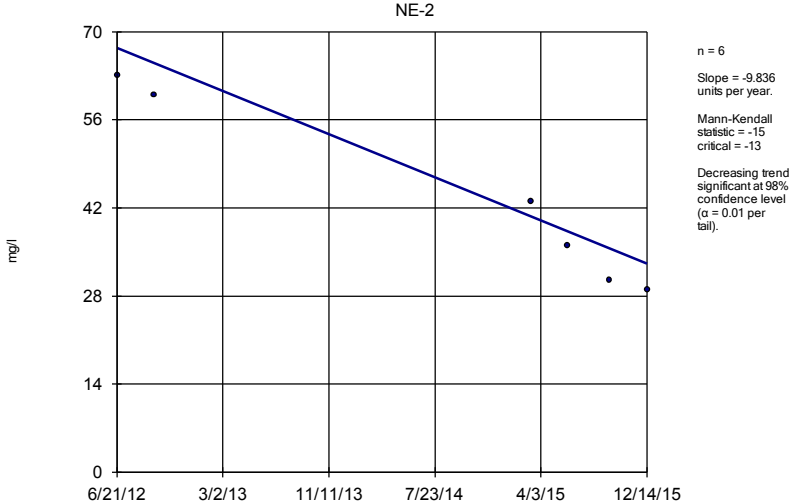
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NE-2



n = 6

Slope = -9.836 units per year.

Mann-Kendall statistic = -15
critical = -13

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

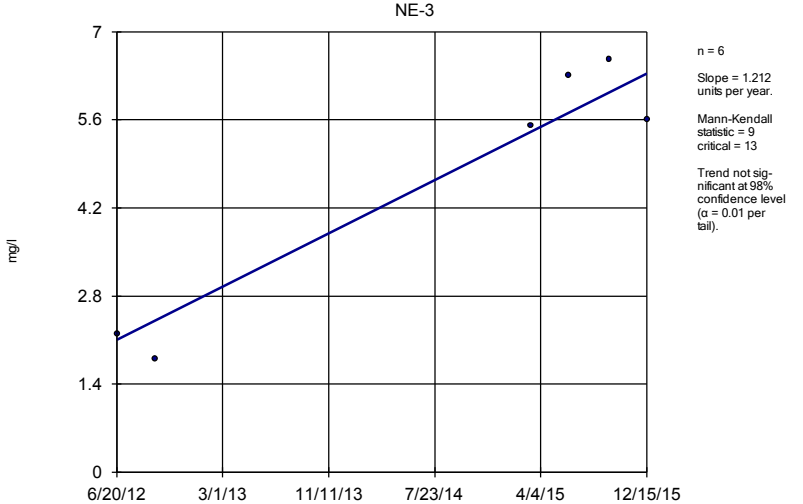
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NE-3



n = 6

Slope = 1.212 units per year.

Mann-Kendall statistic = 9
critical = 13

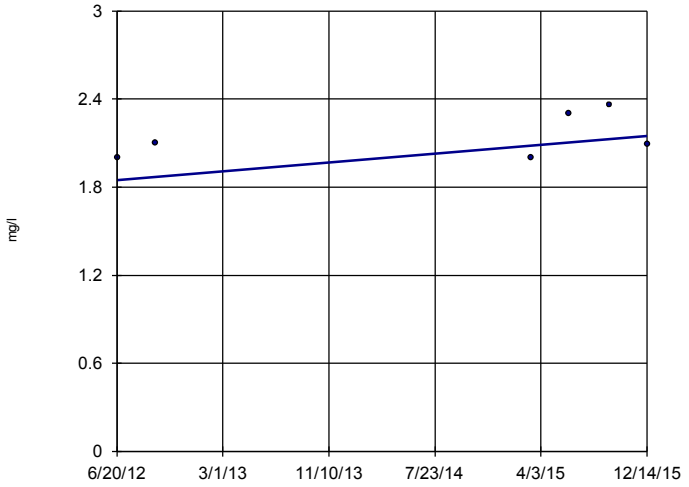
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chloride Analysis Run 2/2/2016 1:59 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sen's Slope Estimator

NE-6



n = 6

Slope = 0.08706 units per year.

Mann-Kendall statistic = 6 critical = 13

Trend not significant at 98% confidence level (α = 0.01 per tail).

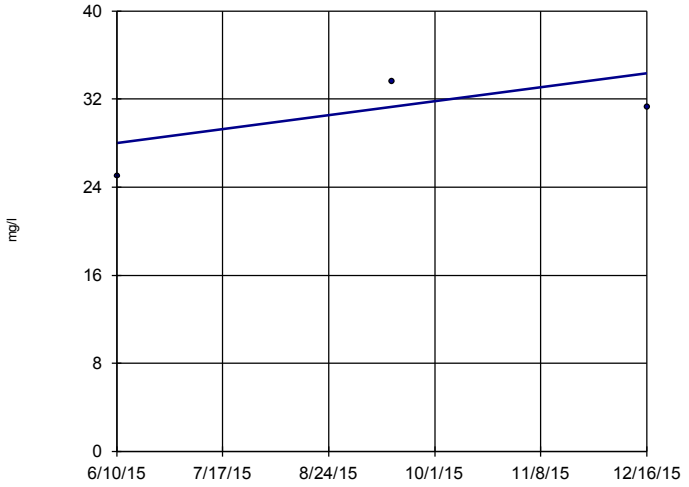
Constituent: Chloride Analysis Run 2/2/2016 1:59 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

CLASSIDRAW



n = 3

Slope = 12.17 units per year.

Minimum n for Mann-Kendall is 4.

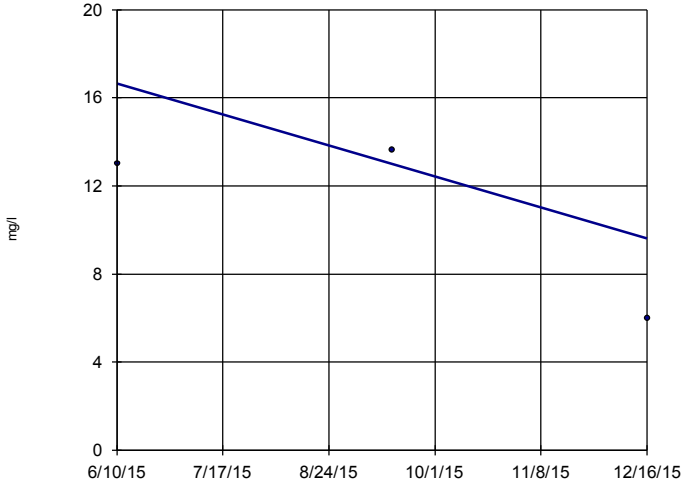
Constituent: Chloride Analysis Run 2/2/2016 1:59 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

CLASSIVDRAW



n = 3

Slope = -13.56 units per year.

Minimum n for Mann-Kendall is 4.

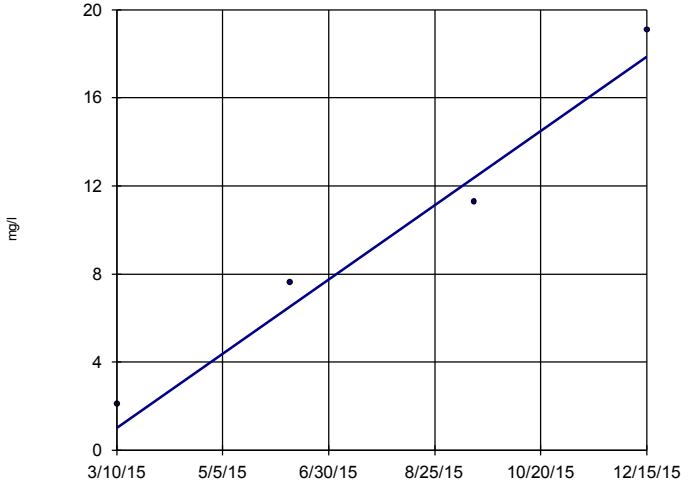
Constituent: Chloride Analysis Run 2/2/2016 1:59 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

SP-NE-3



n = 4

Slope = 21.99 units per year.

Mann-Kendall statistic = 6 critical = 8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

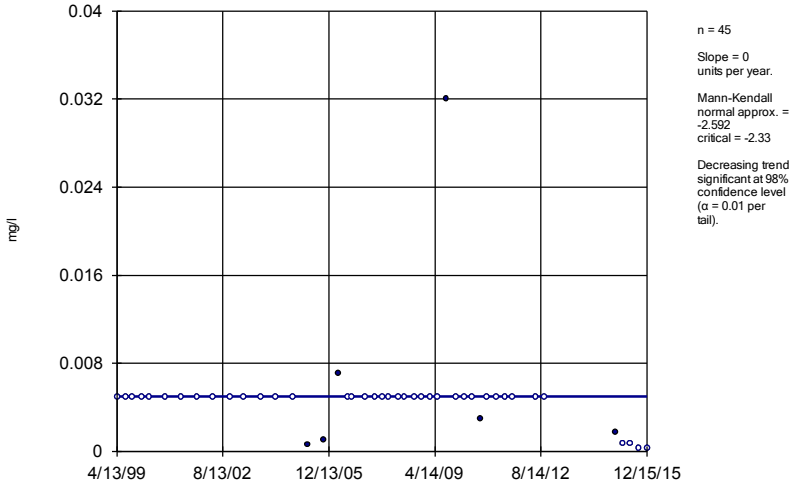
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-4



n = 45

Slope = 0 units per year.

Mann-Kendall normal approx. = -2.592
critical = -2.33

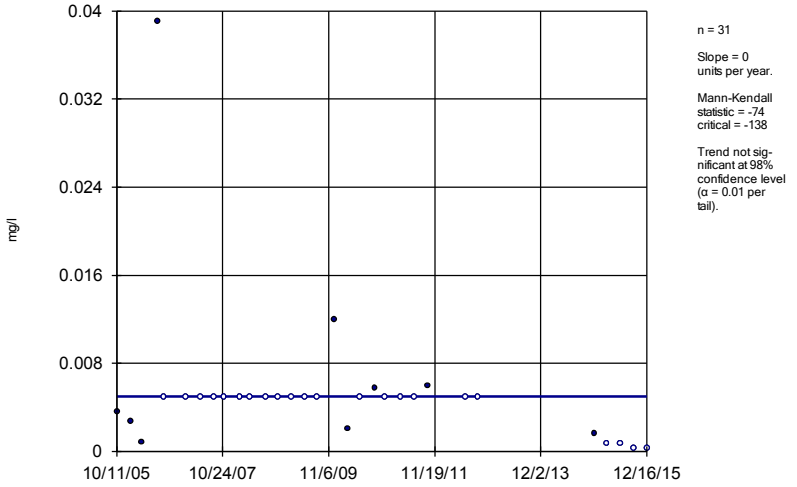
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chromium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-1



n = 31

Slope = 0 units per year.

Mann-Kendall statistic = -74
critical = -138

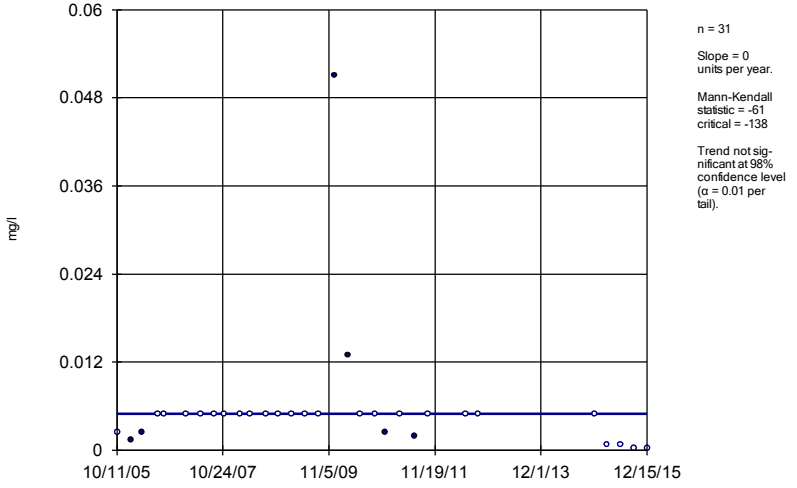
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chromium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-2



n = 31

Slope = 0 units per year.

Mann-Kendall statistic = -61
critical = -138

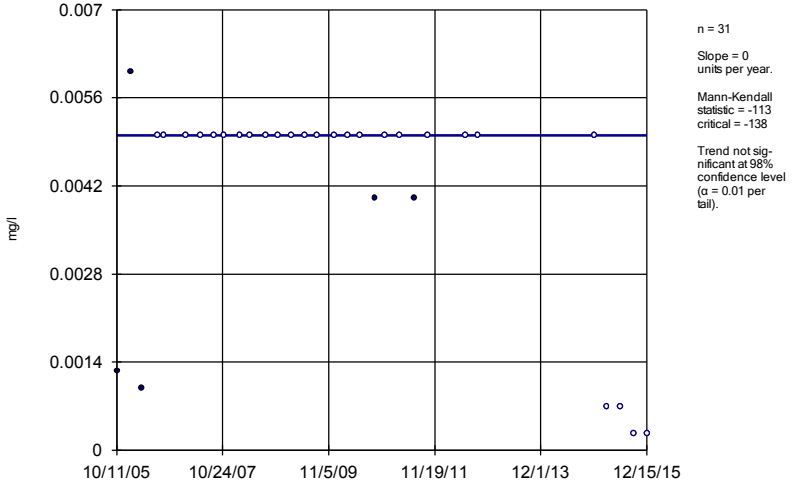
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chromium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-3



n = 31

Slope = 0 units per year.

Mann-Kendall statistic = -113
critical = -138

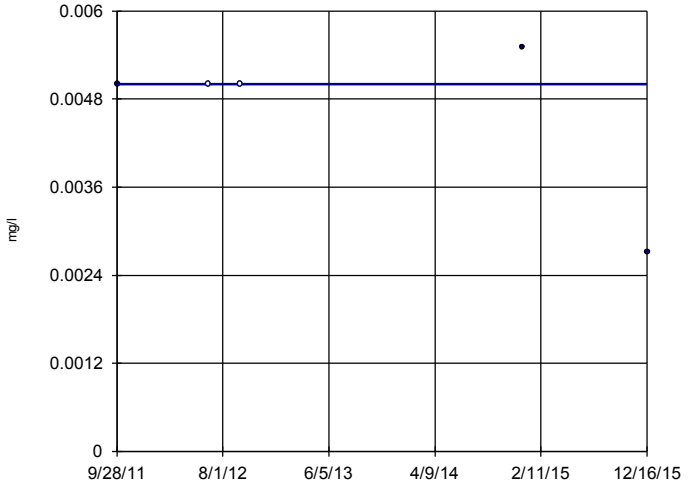
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chromium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

LEACHATE



n = 5

Slope = -1.3e-10 units per year.

Mann-Kendall statistic = -1
critical = -10

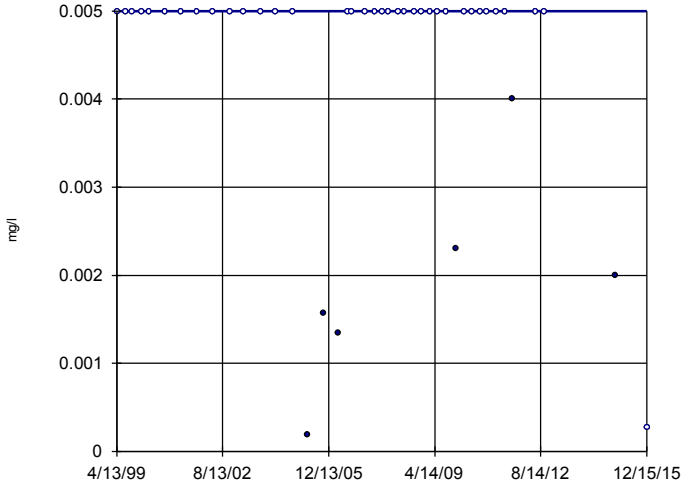
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chromium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1



n = 42

Slope = 0 units per year.

Mann-Kendall normal approx. = -1.56
critical = -2.33

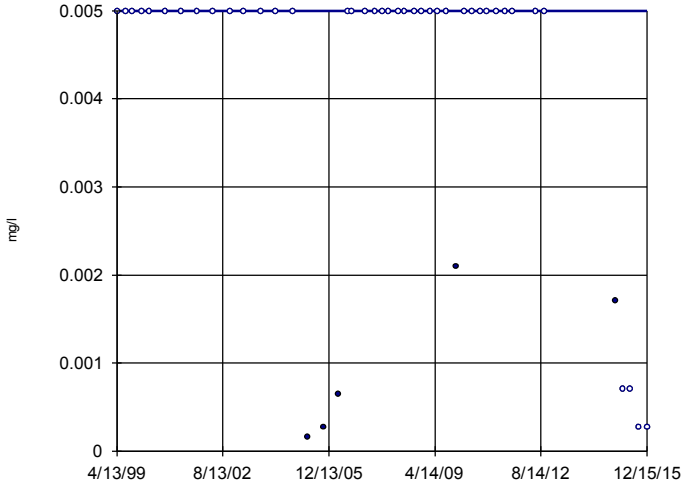
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chromium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-2



n = 45

Slope = 0 units per year.

Mann-Kendall normal approx. = -2.376
critical = -2.33

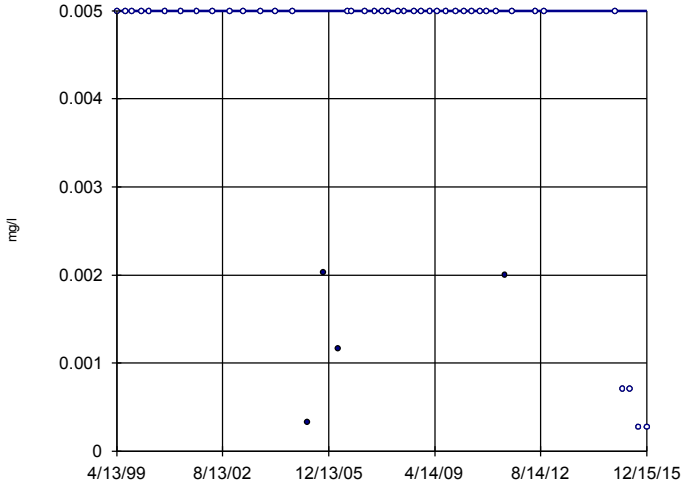
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chromium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-3



n = 45

Slope = 0 units per year.

Mann-Kendall normal approx. = -2.403
critical = -2.33

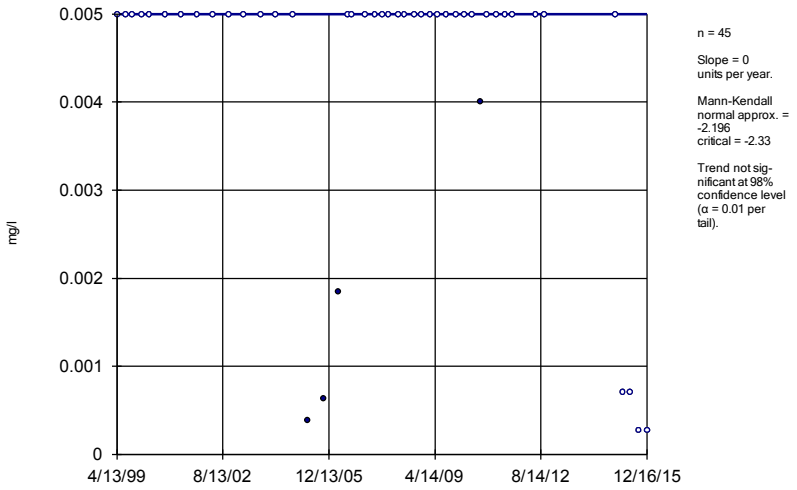
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chromium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-5

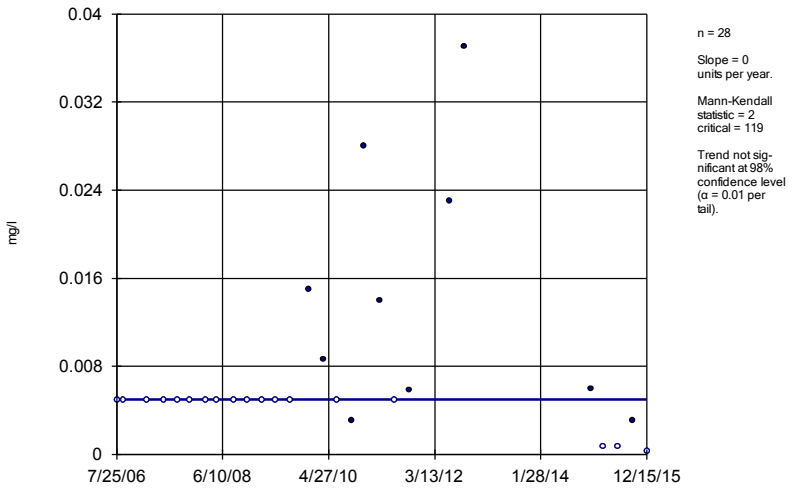


Constituent: Chromium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-509D

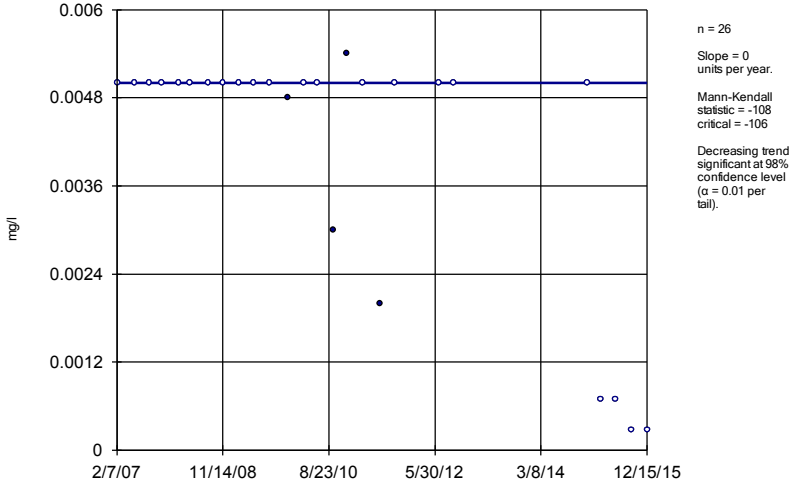


Constituent: Chromium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-577

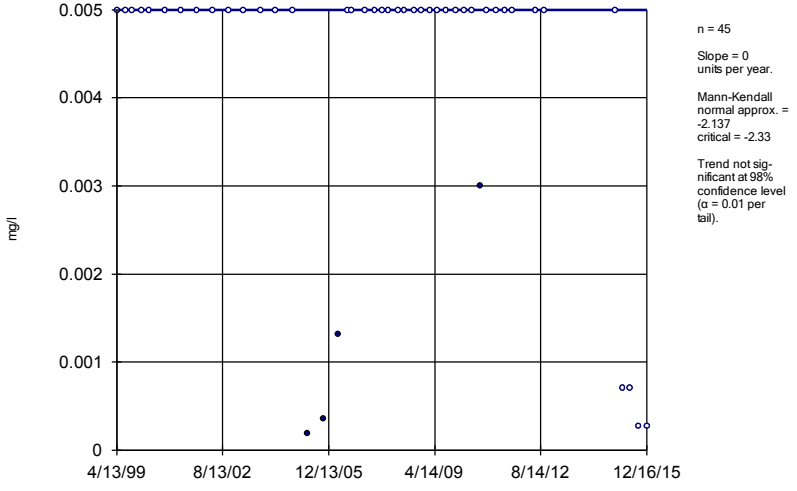


Constituent: Chromium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-6

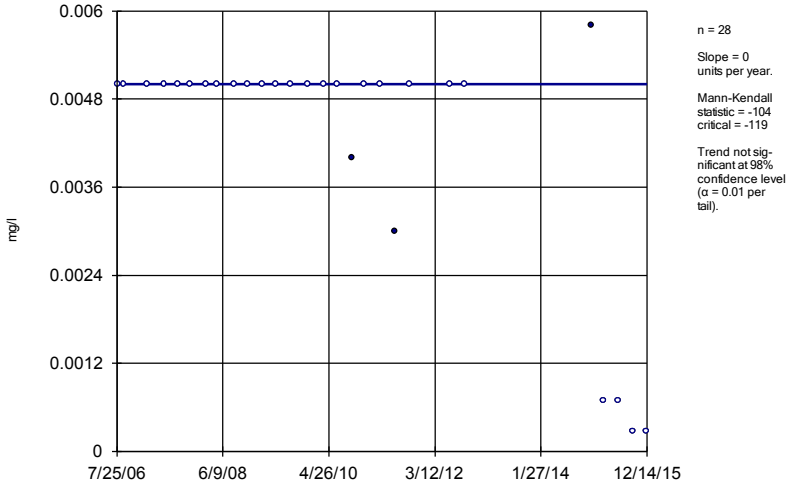


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-633D

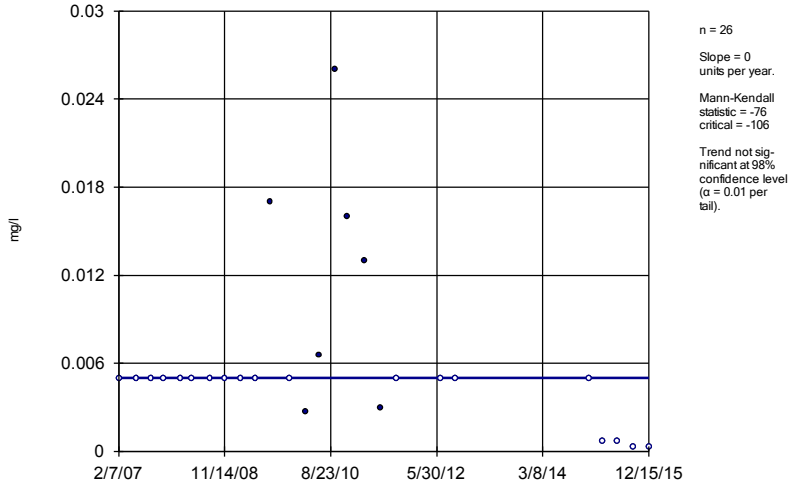


Constituent: Chromium Analysis Run 2/2/2016 1:59 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-689D

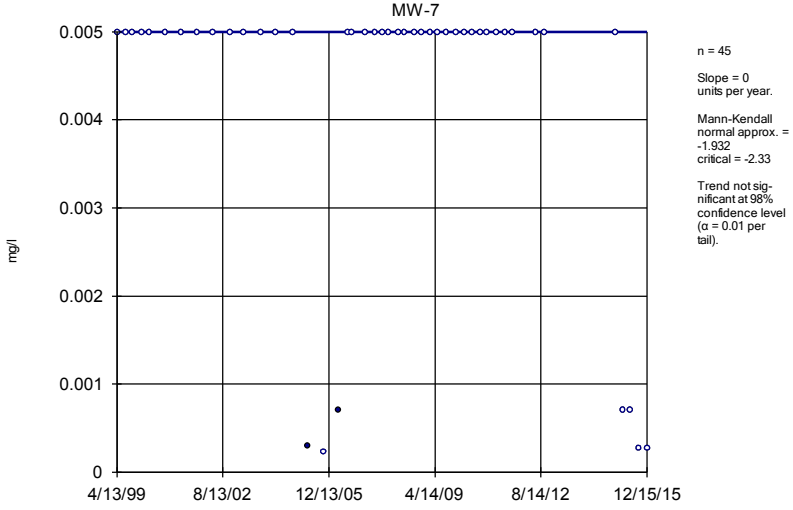


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-7

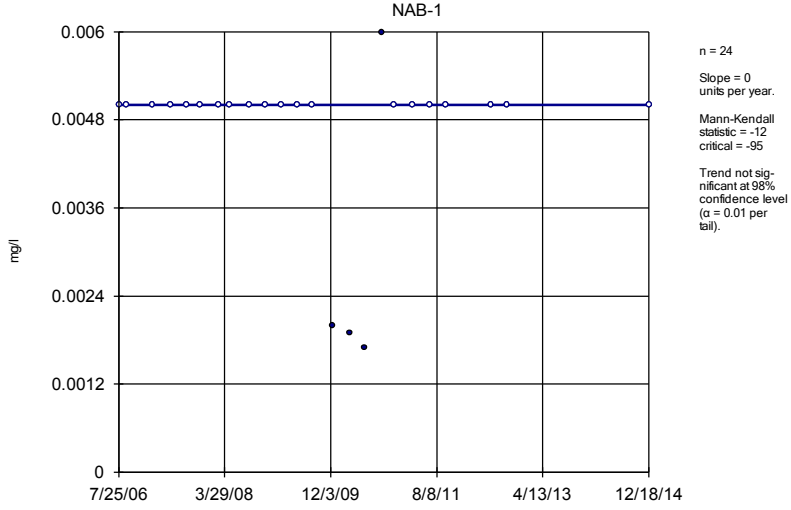


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-1

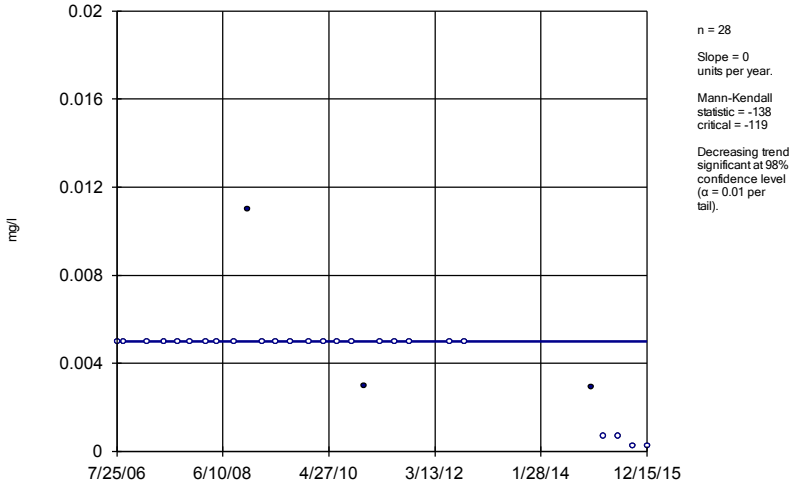


Constituent: Chromium Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-2



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = -138
critical = -119

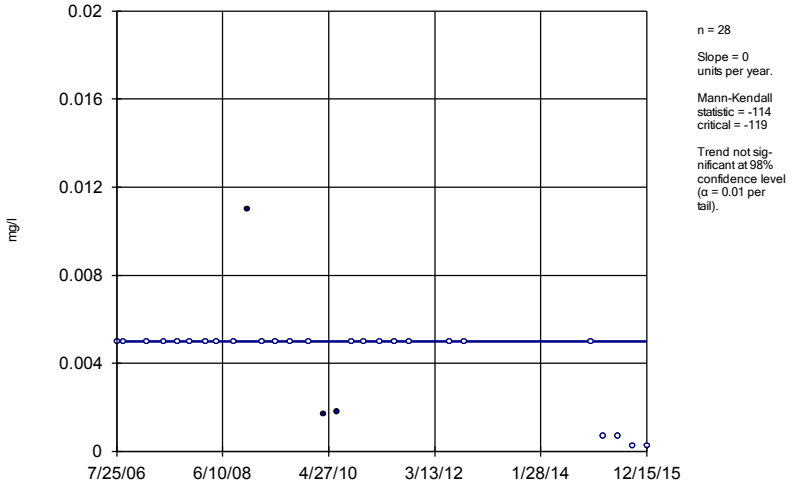
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chromium Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-3



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = -114
critical = -119

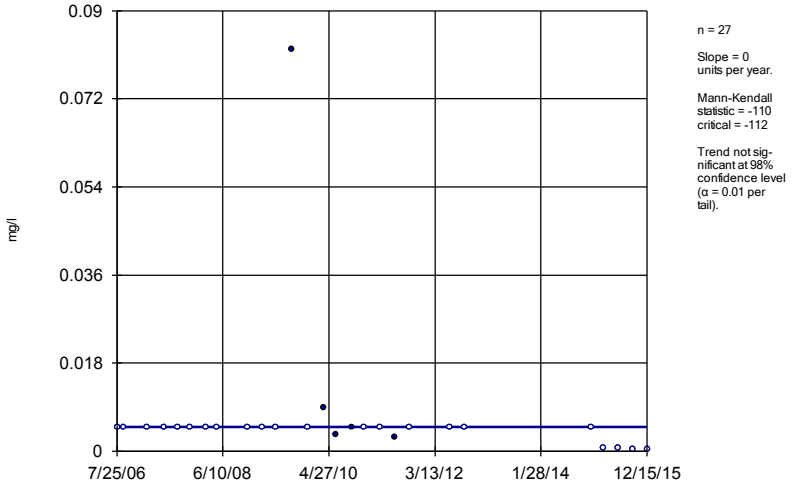
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chromium Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-4



n = 27

Slope = 0 units per year.

Mann-Kendall statistic = -110
critical = -112

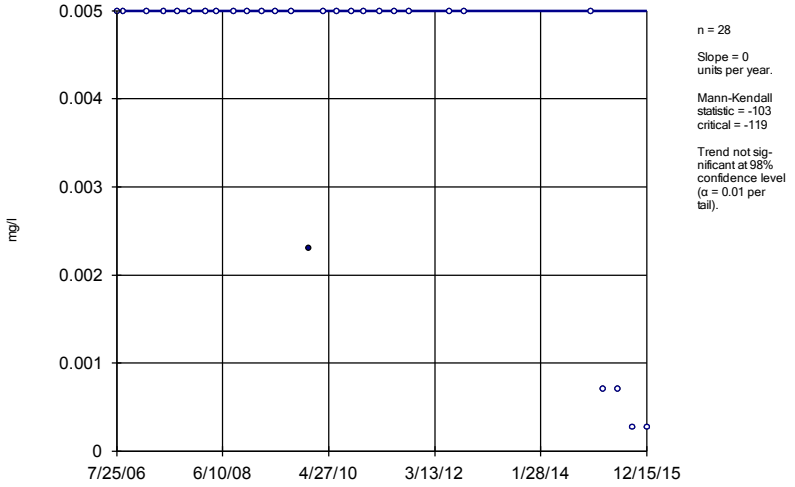
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chromium Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-7



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = -103
critical = -119

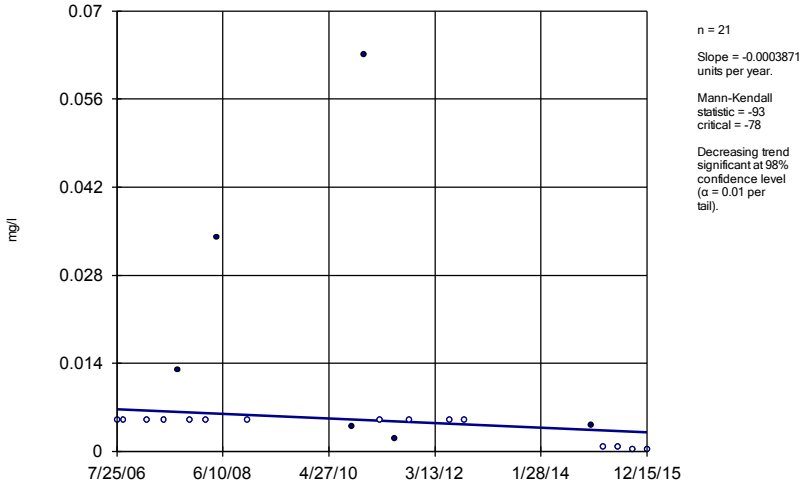
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chromium Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-8



n = 21

Slope = -0.0003871 units per year.

Mann-Kendall statistic = -93
critical = -78

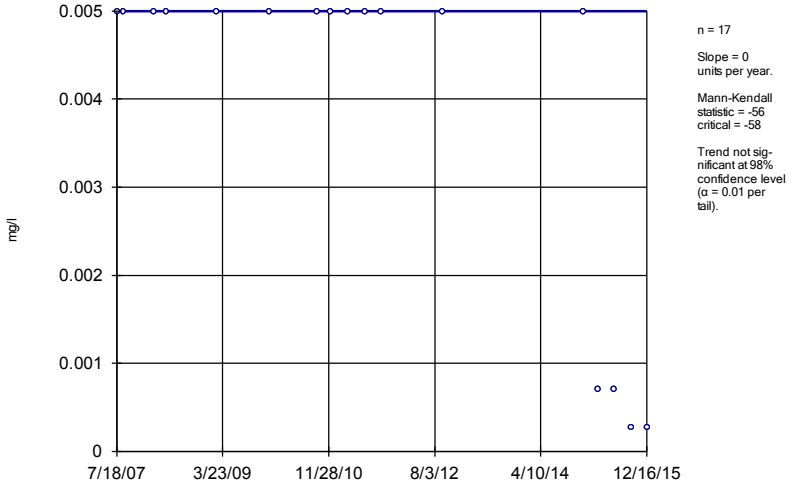
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chromium Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-7



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -56
critical = -58

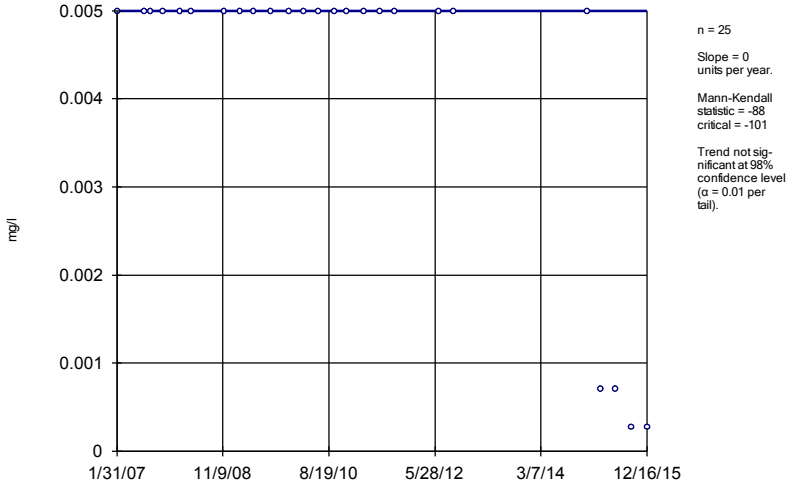
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chromium Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGA



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -88
critical = -101

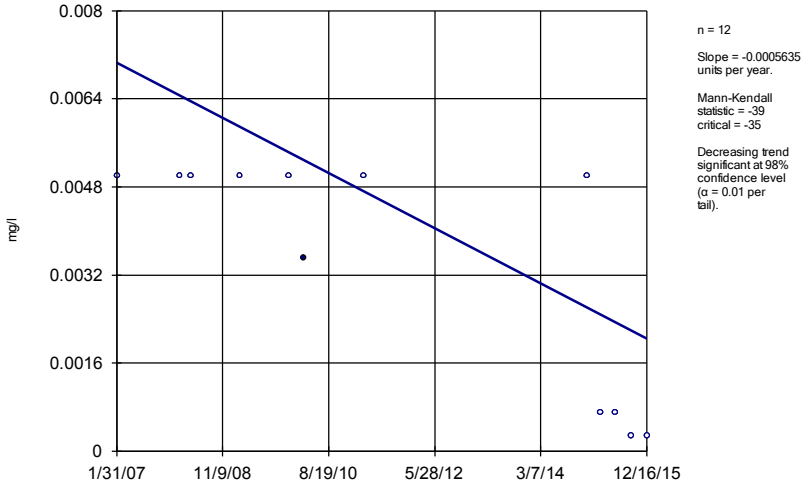
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chromium Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGB



n = 12

Slope = -0.0005635 units per year.

Mann-Kendall statistic = -39
critical = -35

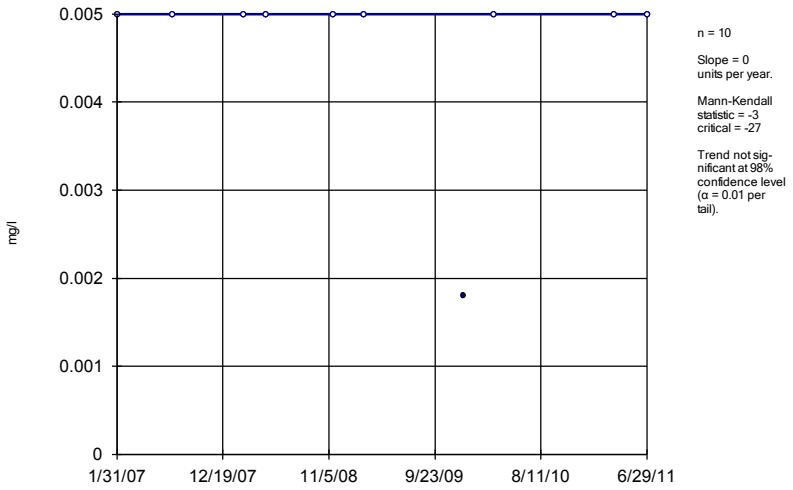
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chromium Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-1

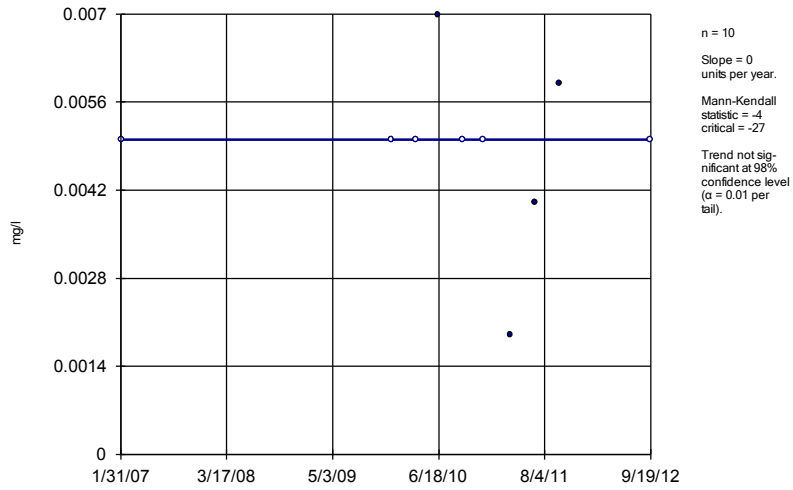


Constituent: Chromium Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-2

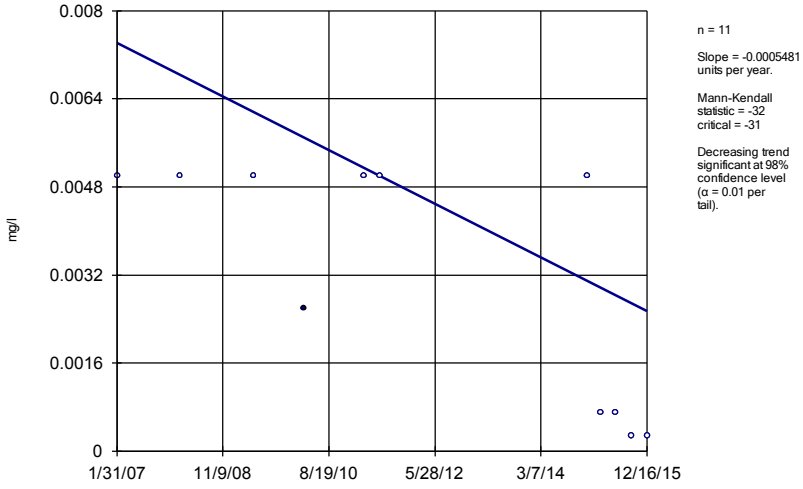


Constituent: Chromium Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-3

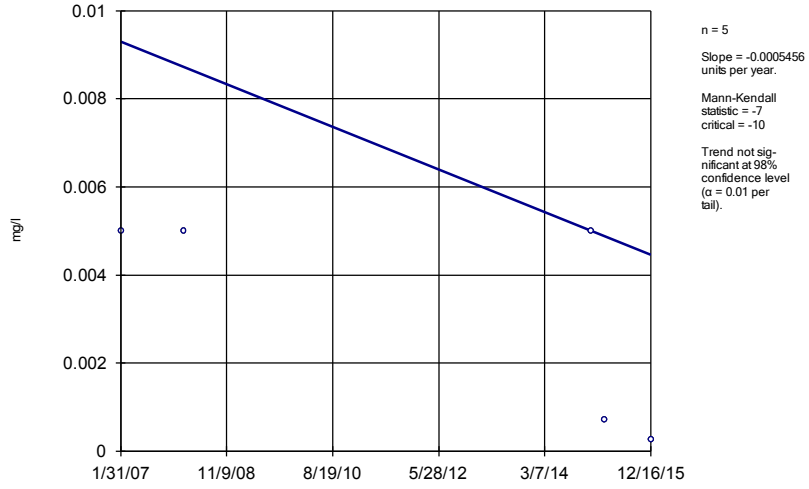


Constituent: Chromium Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-4

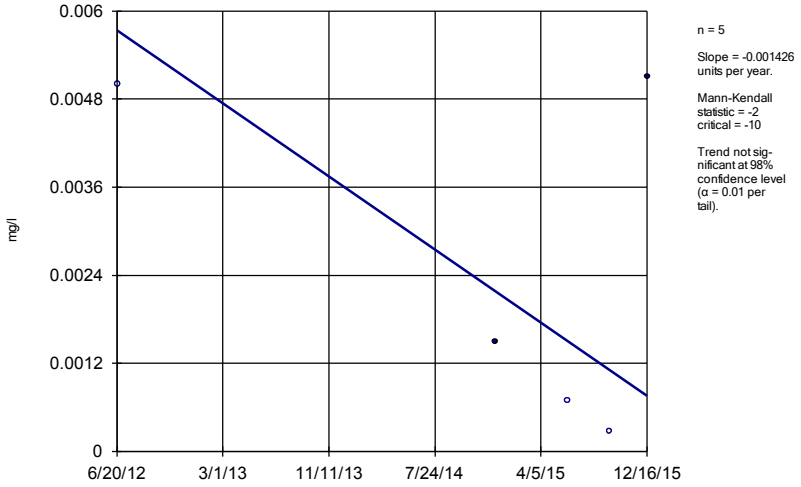


Constituent: Chromium Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

LFENTRANCESEEP

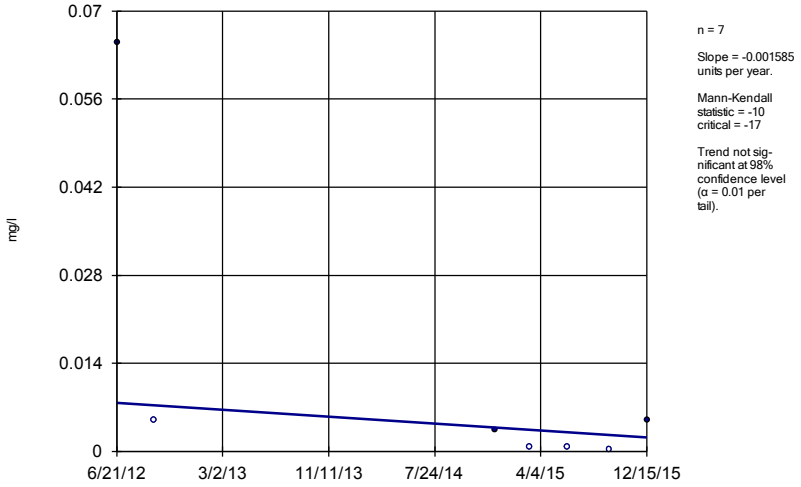


Constituent: Chromium Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1R

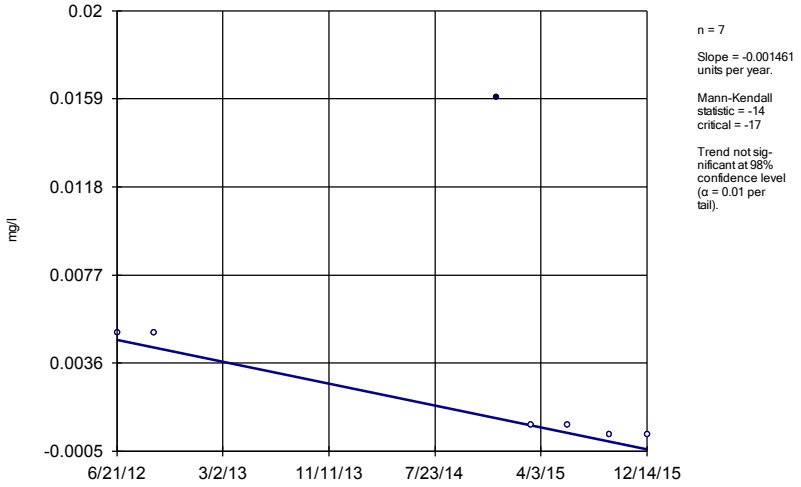


Constituent: Chromium Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-2

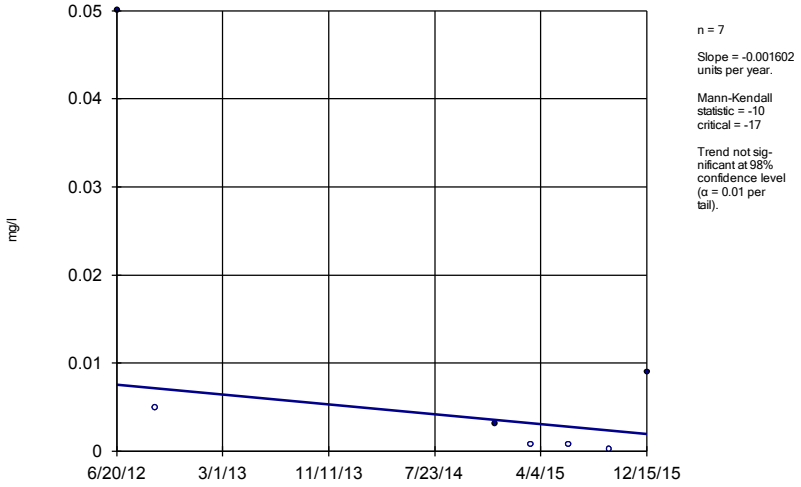


Constituent: Chromium Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-3

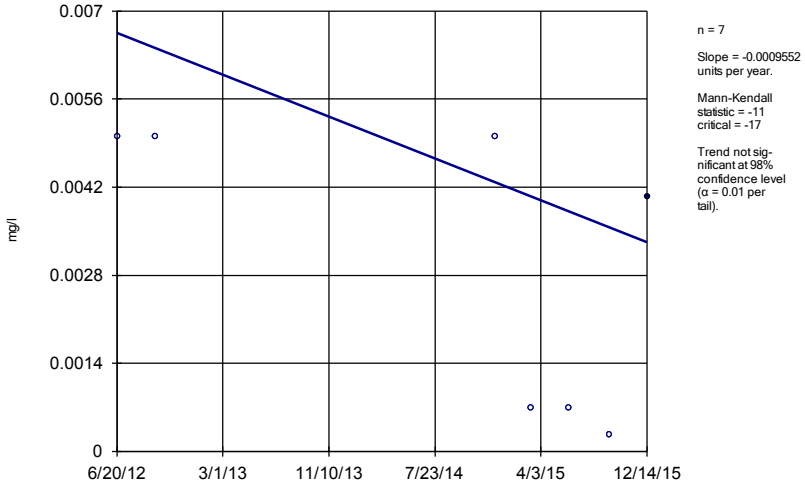


Constituent: Chromium Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-6



n = 7

Slope = -0.0009552 units per year.

Mann-Kendall statistic = -11
critical = -17

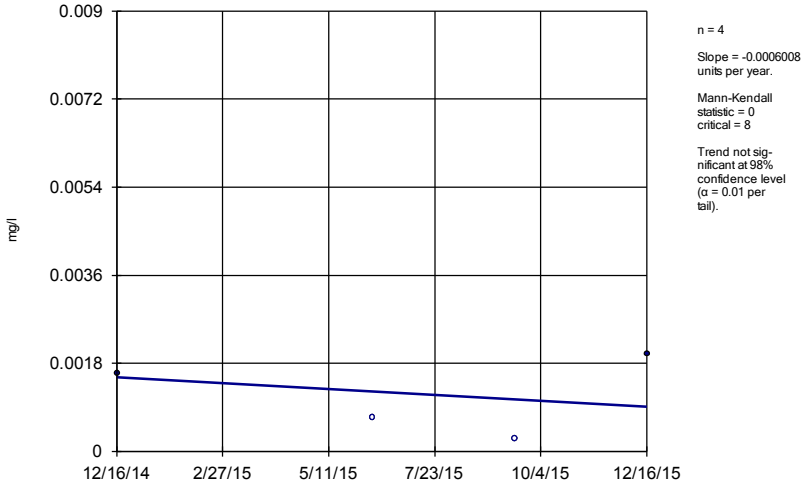
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chromium Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIDRAW



n = 4

Slope = -0.0006008 units per year.

Mann-Kendall statistic = 0
critical = 8

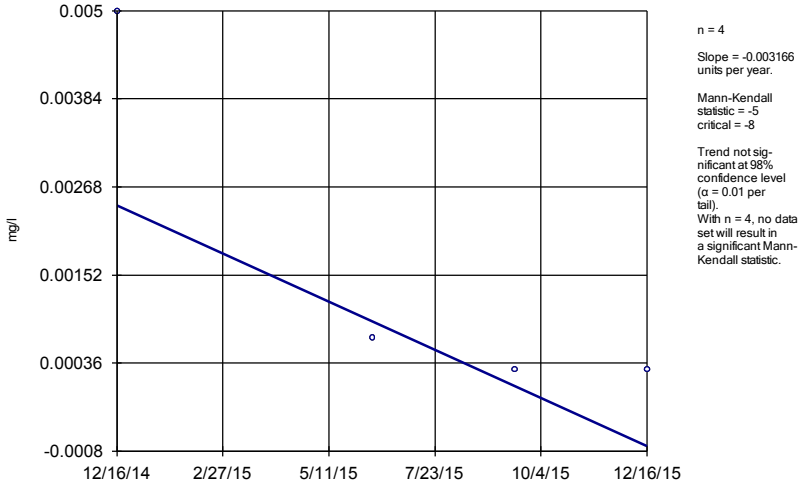
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chromium Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIVDRAW



n = 4

Slope = -0.003166 units per year.

Mann-Kendall statistic = -5
critical = -8

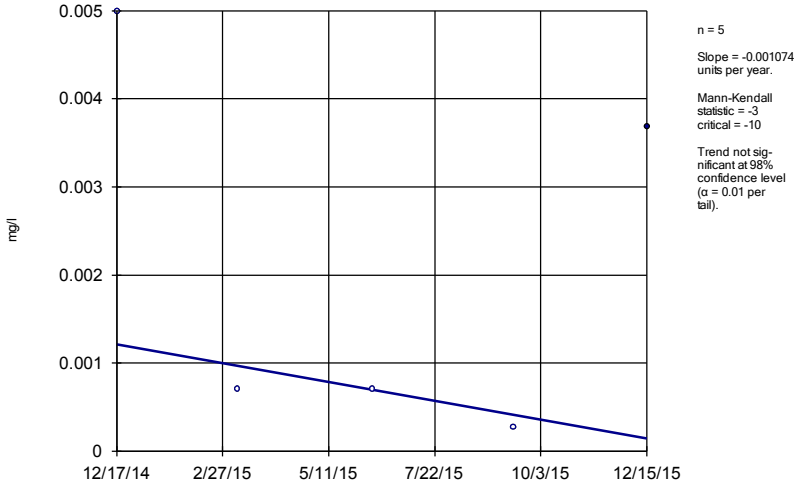
Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

Constituent: Chromium Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-NE-3



n = 5

Slope = -0.001074 units per year.

Mann-Kendall statistic = -3
critical = -10

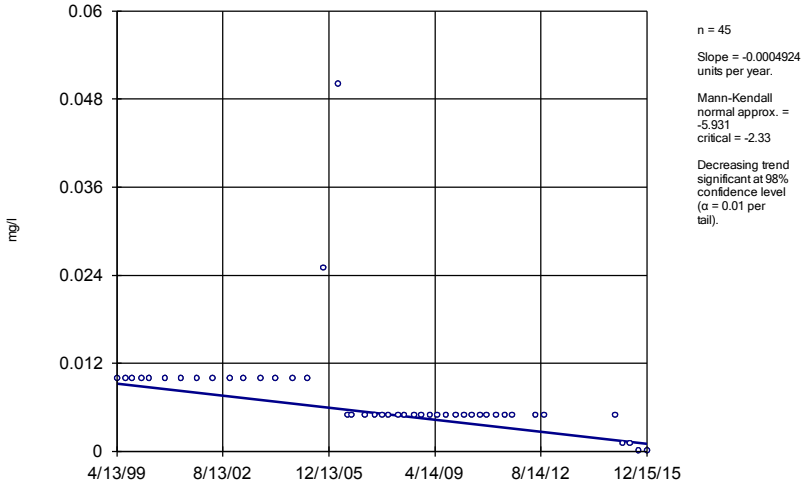
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chromium Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-4



n = 45

Slope = -0.0004924 units per year.

Mann-Kendall normal approx. = -5.931
critical = -2.33

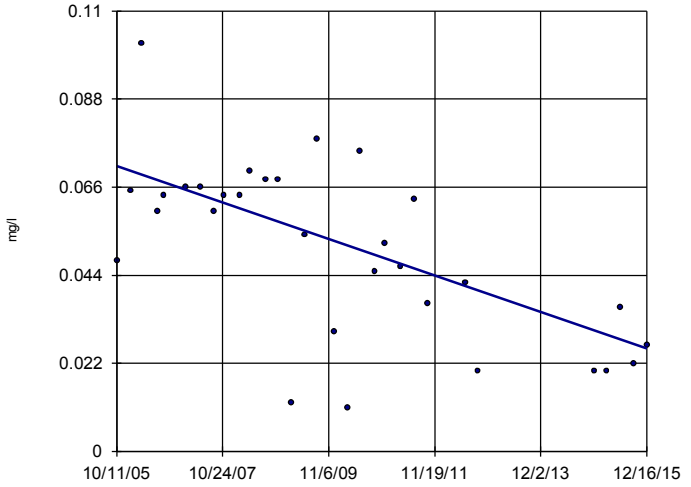
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cobalt Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

CAO-1



n = 31

Slope = -0.004467 units per year.

Mann-Kendall statistic = -190
critical = -138

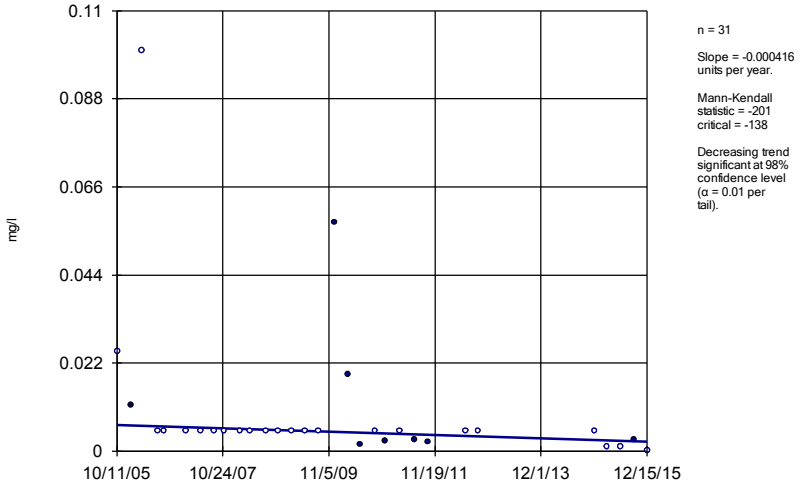
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cobalt Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-2



n = 31

Slope = -0.000416 units per year.

Mann-Kendall statistic = -201
critical = -138

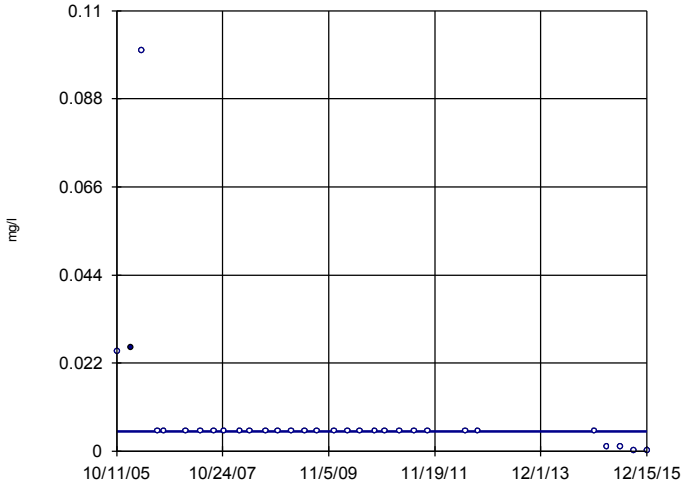
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cobalt Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-3



n = 31

Slope = 0 units per year.

Mann-Kendall statistic = -181
critical = -138

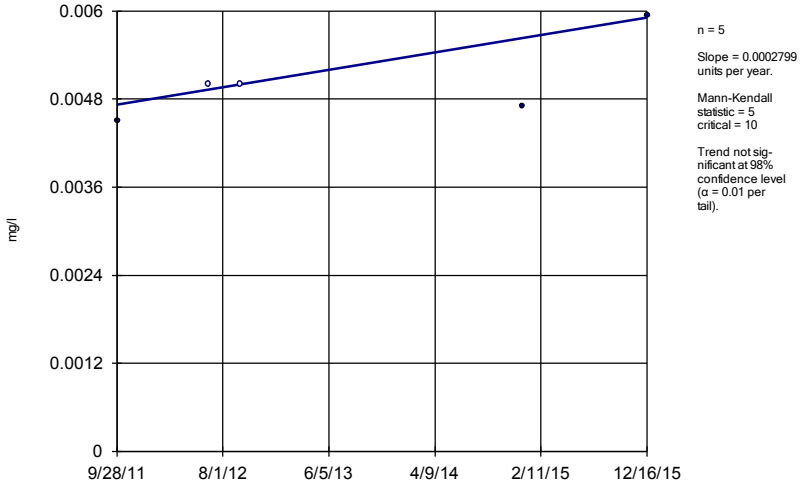
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Cobalt Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

LEACHATE



n = 5

Slope = 0.0002799 units per year.

Mann-Kendall statistic = 5 critical = 10

Trend not significant at 98% confidence level (α = 0.01 per tail).

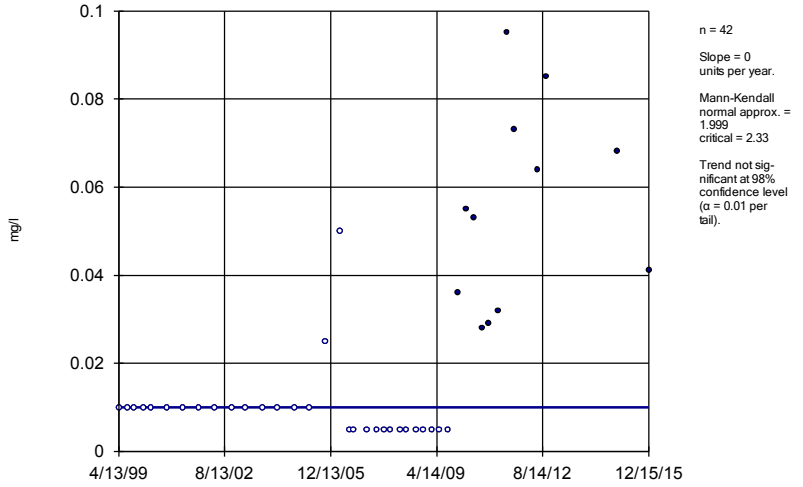
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1



n = 42

Slope = 0 units per year.

Mann-Kendall normal approx. = 1.999 critical = 2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

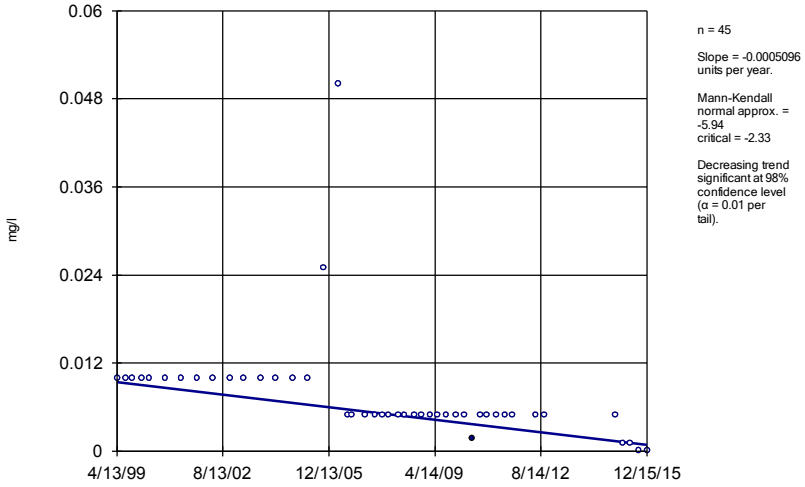
Constituent: Cobalt Analysis Run 2/2/2016 2:00 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-2



n = 45

Slope = -0.0005096 units per year.

Mann-Kendall normal approx. = -5.94 critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

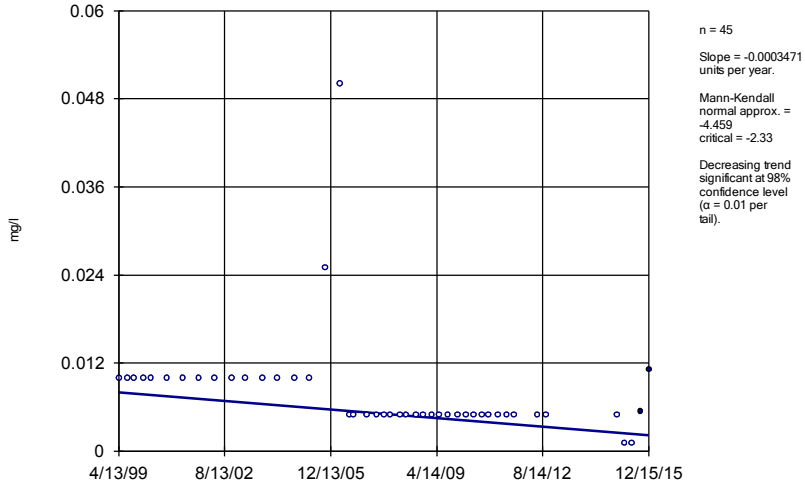
Constituent: Cobalt Analysis Run 2/2/2016 2:00 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-3



n = 45

Slope = -0.0003471 units per year.

Mann-Kendall normal approx. = -4.459 critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

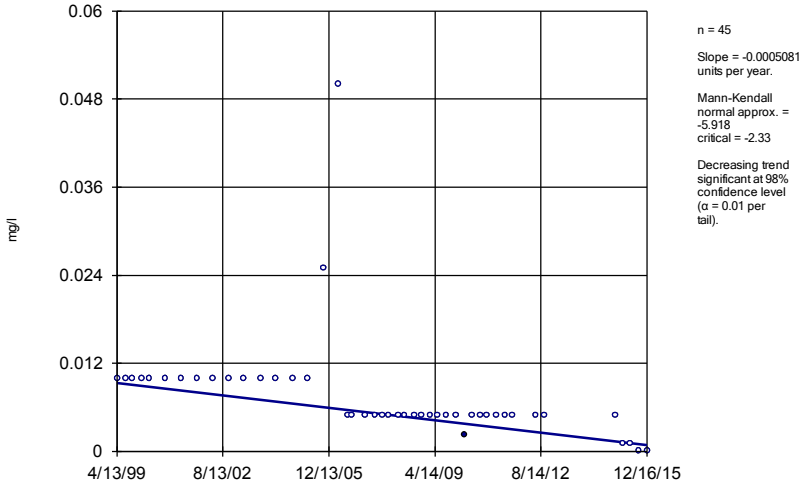
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-5



n = 45

Slope = -0.0005081 units per year.

Mann-Kendall normal approx. = -5.918
critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

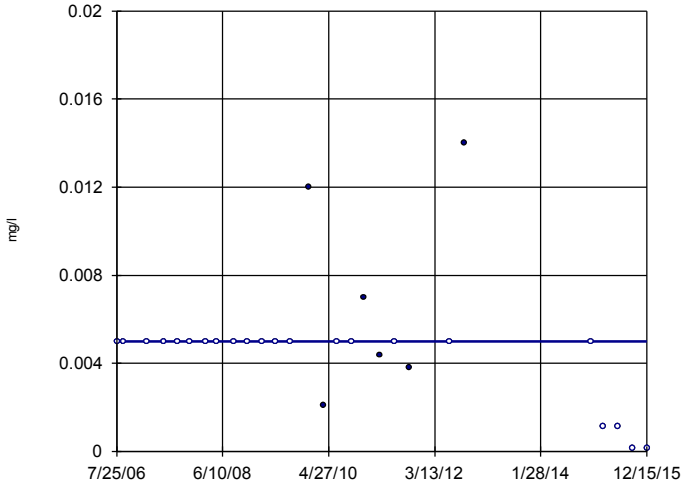
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-509D



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = -97
critical = -119

Trend not significant at 98% confidence level (α = 0.01 per tail).

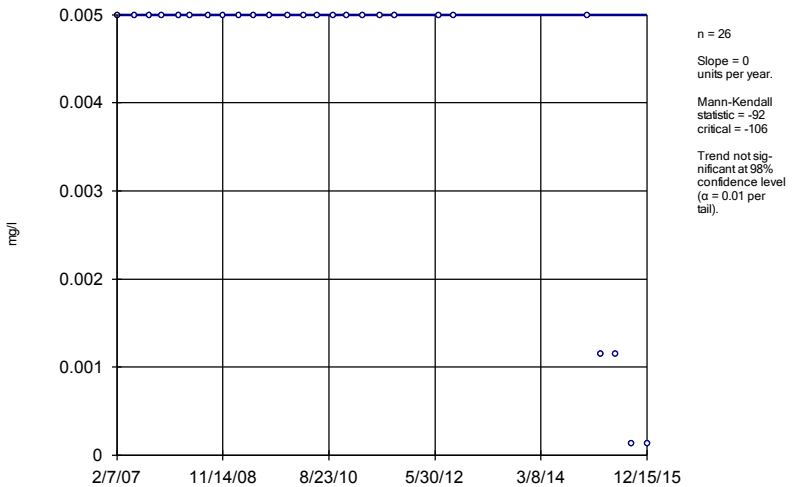
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-577



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = -92
critical = -106

Trend not significant at 98% confidence level (α = 0.01 per tail).

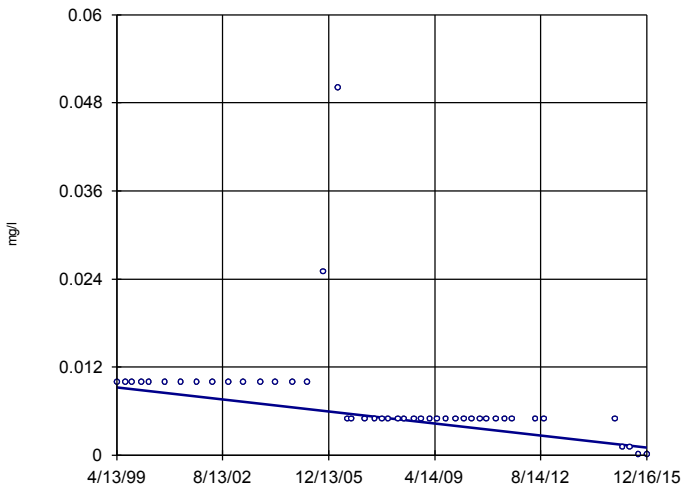
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-6



n = 45

Slope = -0.0004924 units per year.

Mann-Kendall normal approx. = -5.931
critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

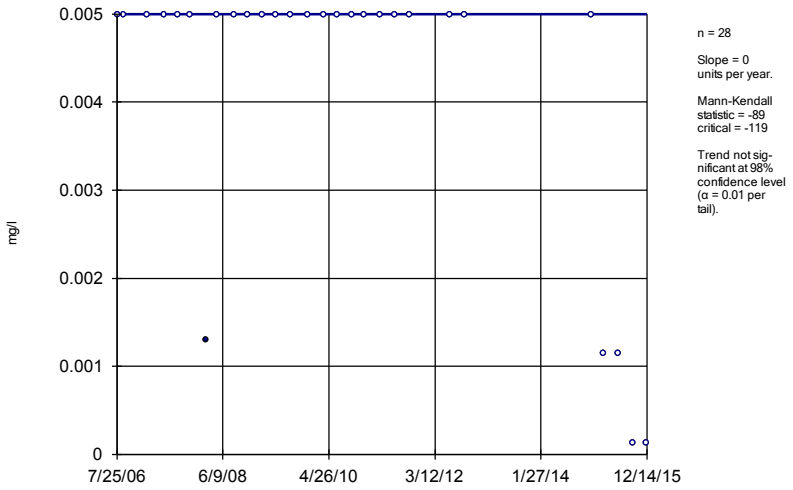
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-633D

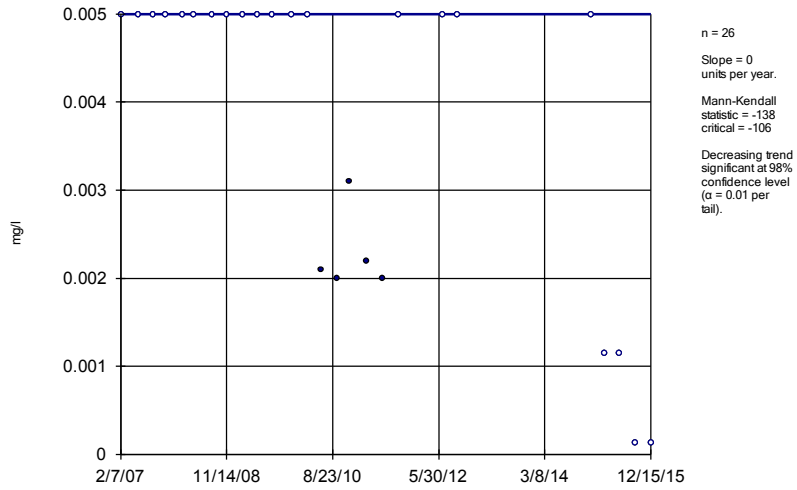


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-689D

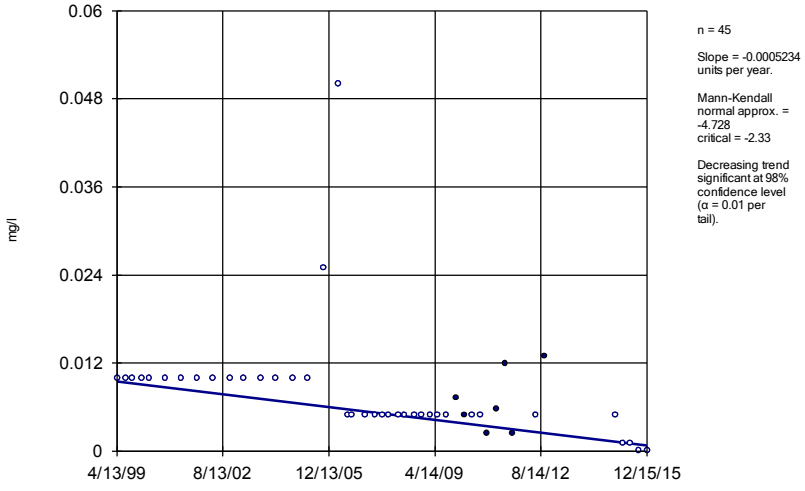


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-7

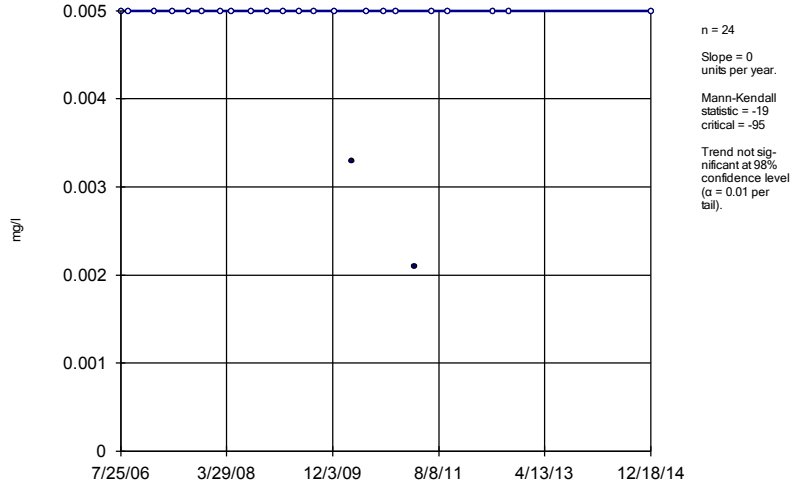


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-1

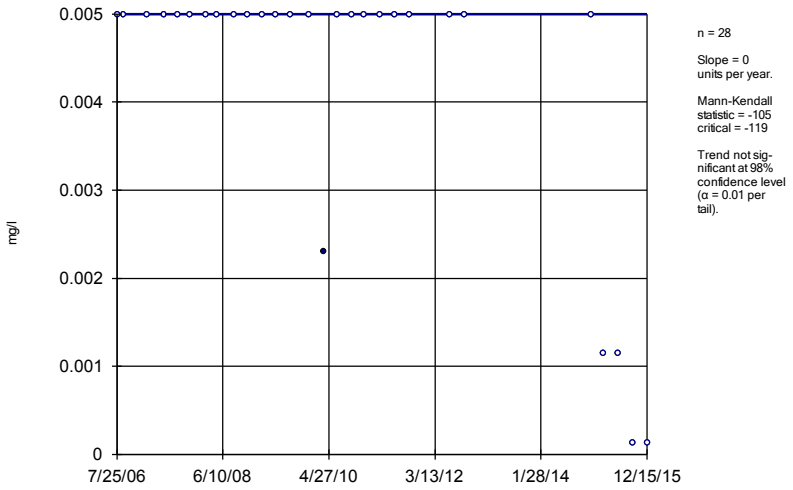


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-2



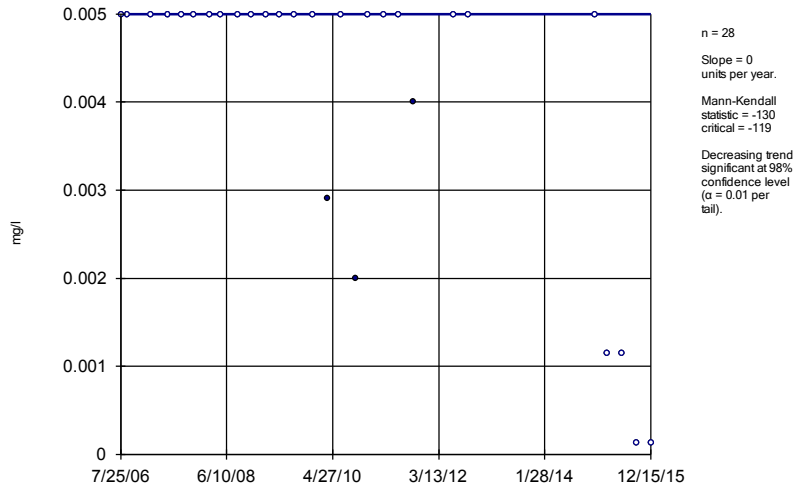
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-3



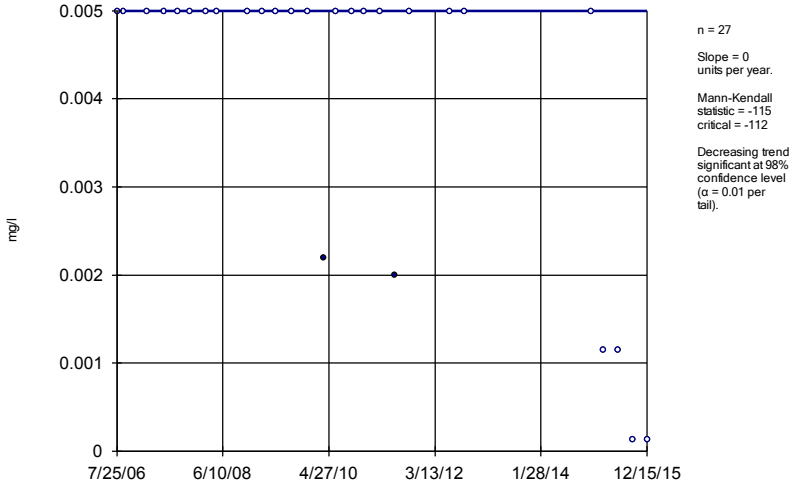
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-4



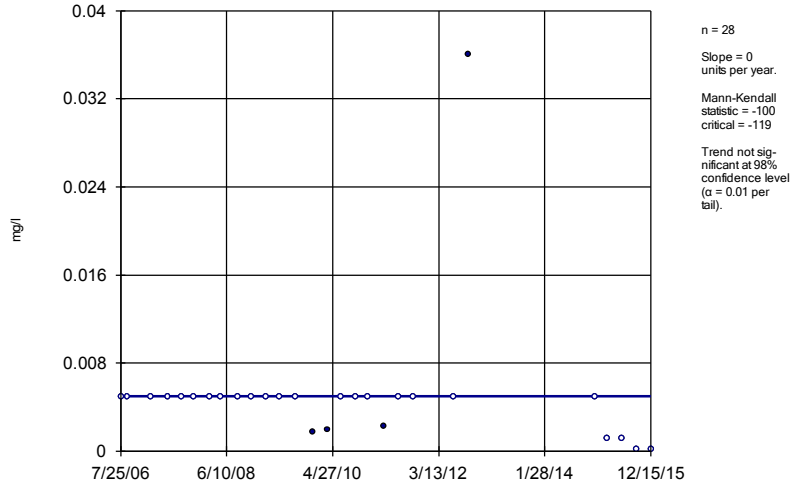
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-7



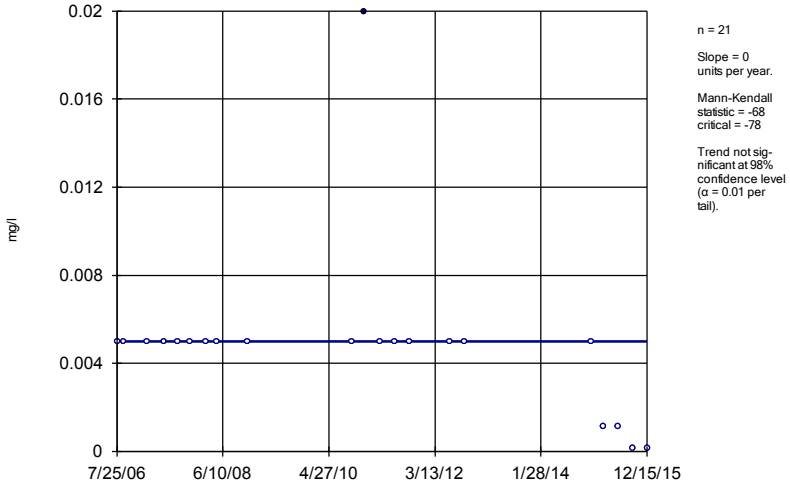
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-8



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = -68
critical = -78

Trend not significant at 98% confidence level (α = 0.01 per tail).

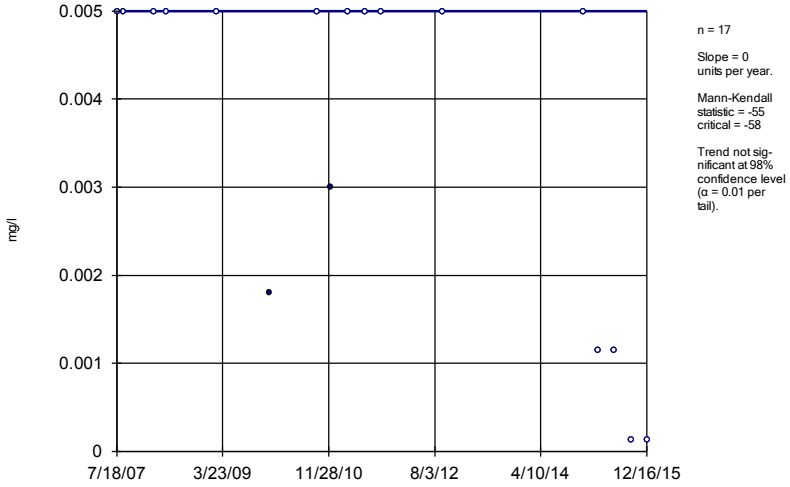
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-7



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -55
critical = -58

Trend not significant at 98% confidence level (α = 0.01 per tail).

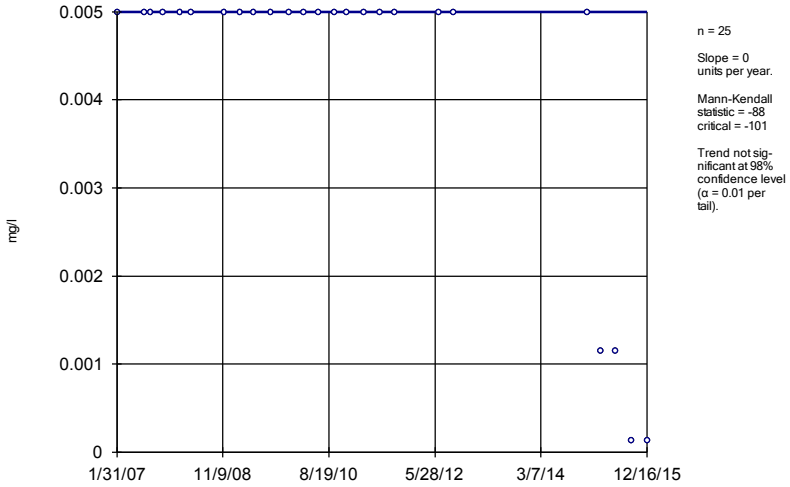
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGA



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -88
critical = -101

Trend not significant at 98% confidence level (α = 0.01 per tail).

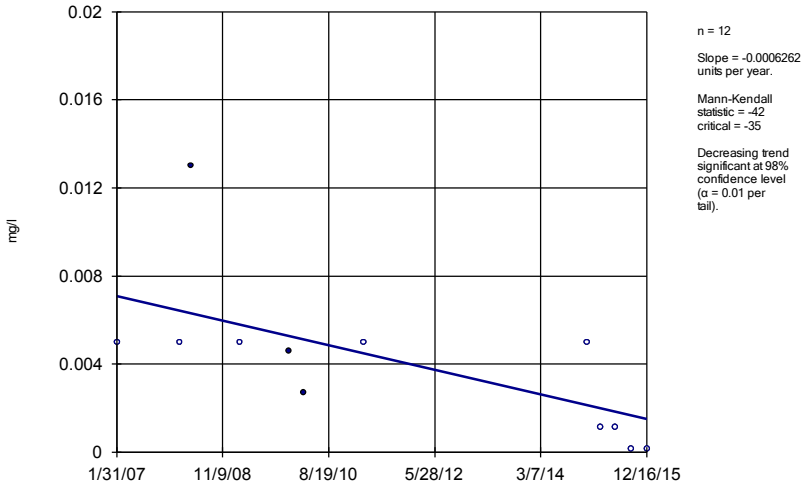
Constituent: Cobalt Analysis Run 2/2/2016 2:00 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGB



n = 12

Slope = -0.0006262 units per year.

Mann-Kendall statistic = -42
critical = -35

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

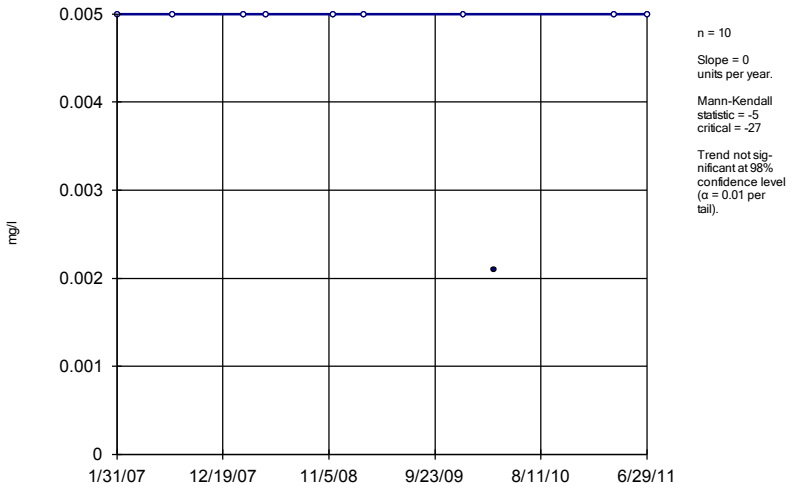
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-1



n = 10

Slope = 0 units per year.

Mann-Kendall statistic = -5
critical = -27

Trend not significant at 98% confidence level (α = 0.01 per tail).

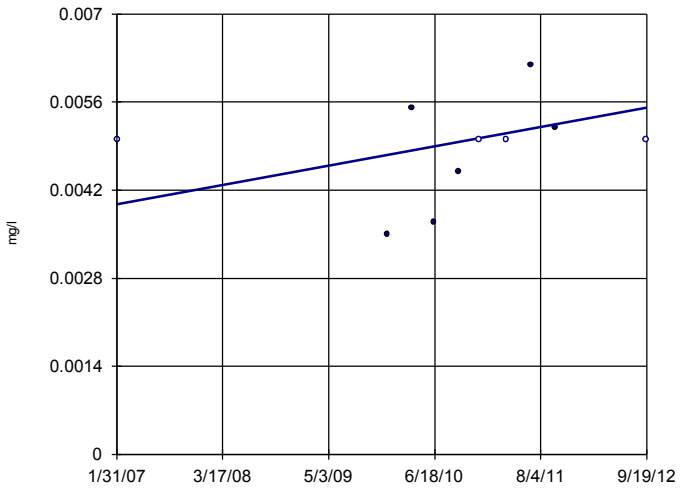
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-2



n = 10

Slope = 0.000272 units per year.

Mann-Kendall statistic = 15
critical = 27

Trend not significant at 98% confidence level (α = 0.01 per tail).

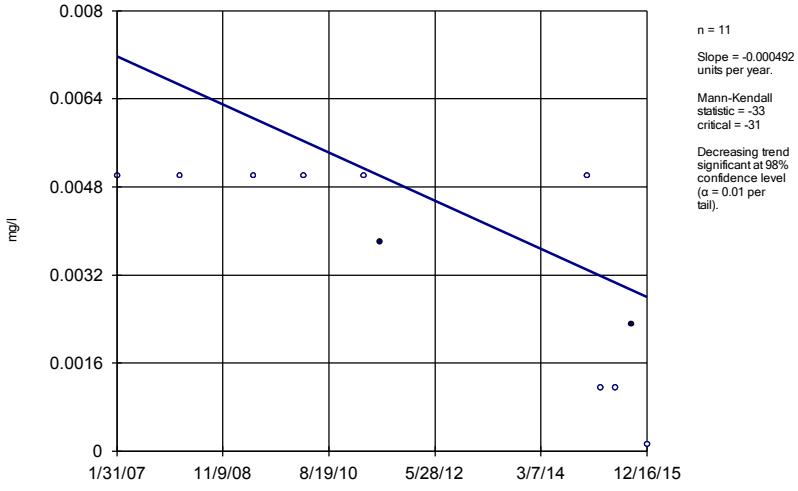
Constituent: Cobalt Analysis Run 2/2/2016 2:00 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-3



n = 11

Slope = -0.000492 units per year.

Mann-Kendall statistic = -33
critical = -31

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

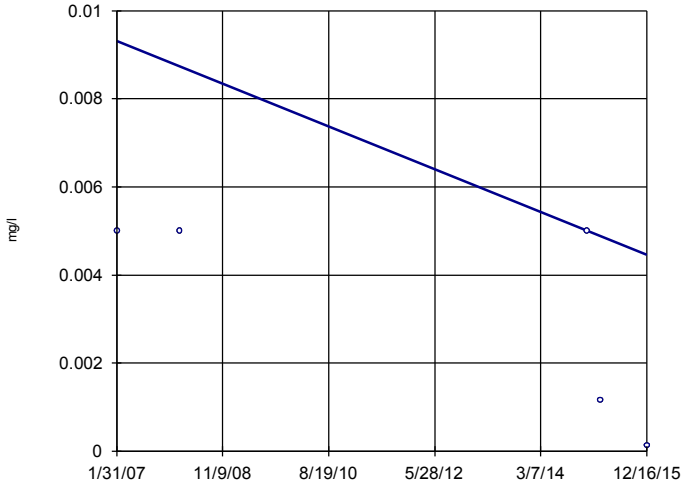
Constituent: Cobalt Analysis Run 2/2/2016 2:00 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-4



n = 5

Slope = -0.0005473 units per year.

Mann-Kendall statistic = -7
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

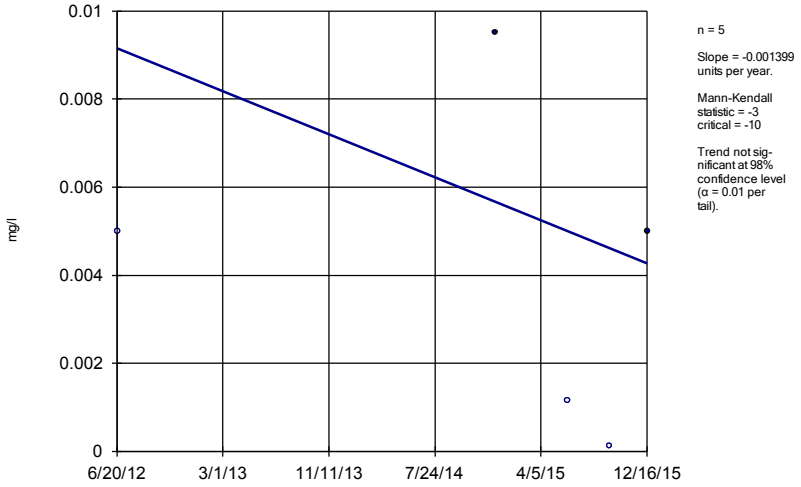
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

LFENTRANCESEEP



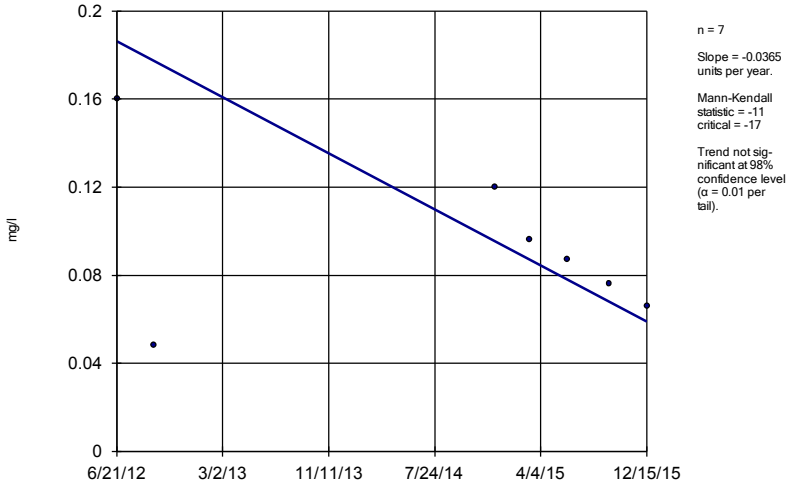
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

MW-1R



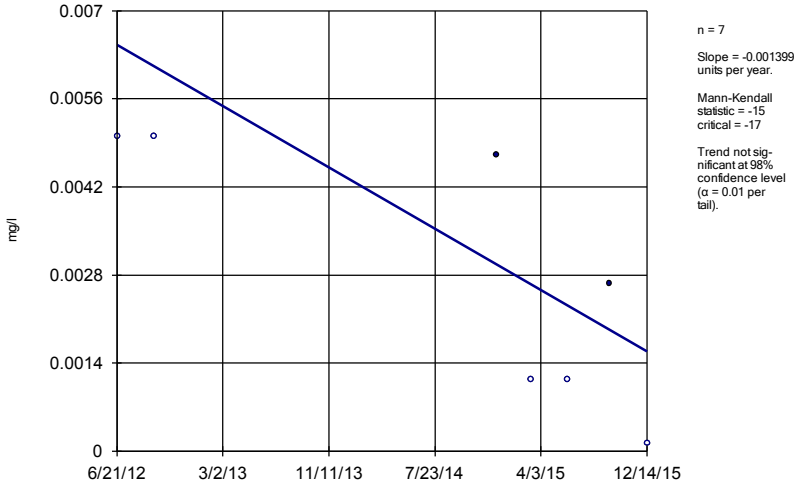
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-2



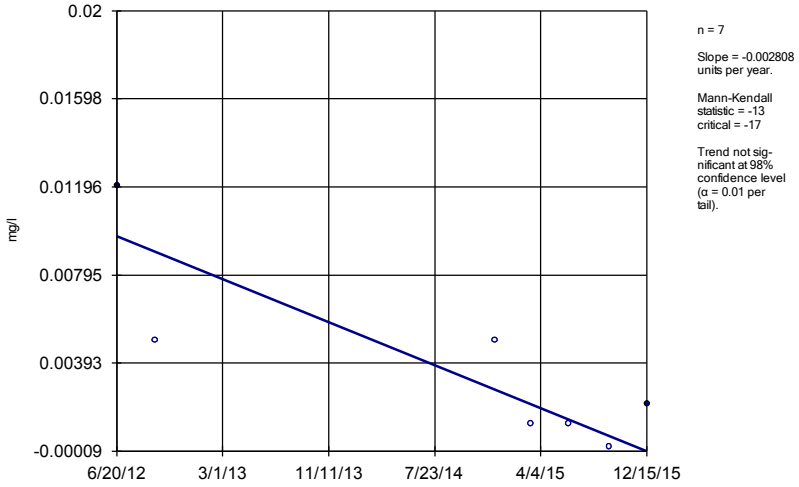
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-3



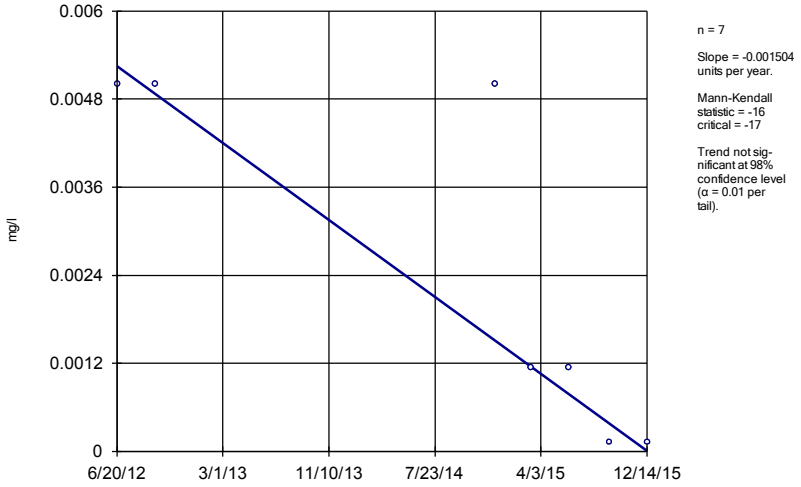
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-6



n = 7

Slope = -0.001504 units per year.

Mann-Kendall statistic = -16
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

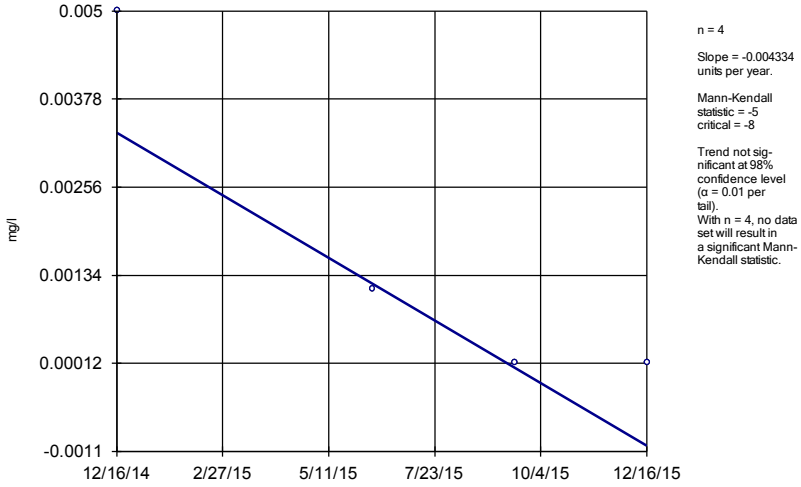
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIDRAW



n = 4

Slope = -0.004334 units per year.

Mann-Kendall statistic = -5
critical = -8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

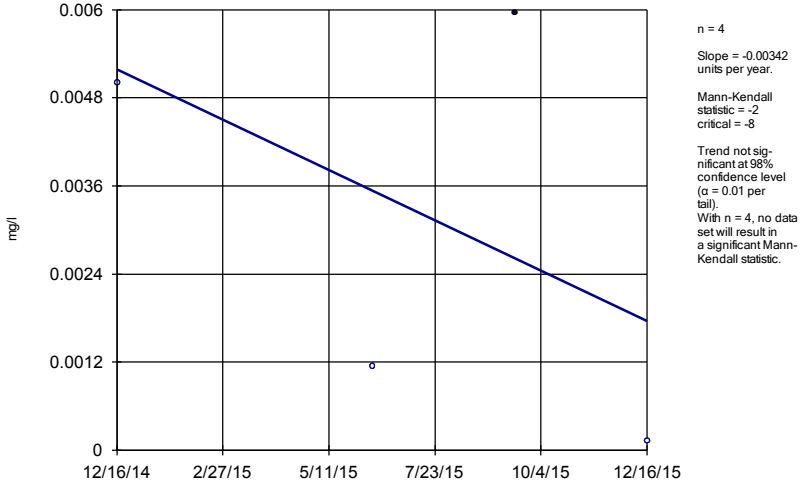
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIVDRAW



n = 4

Slope = -0.00342 units per year.

Mann-Kendall statistic = -2
critical = -8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

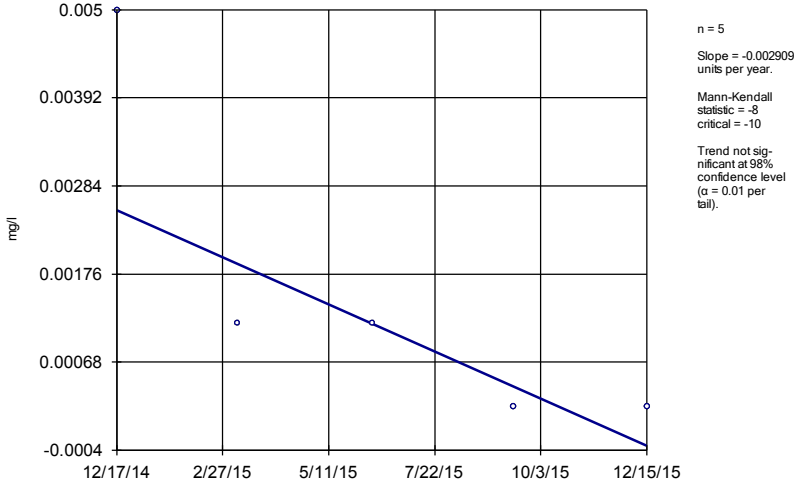
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-NE-3



n = 5

Slope = -0.002909 units per year.

Mann-Kendall statistic = -8
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

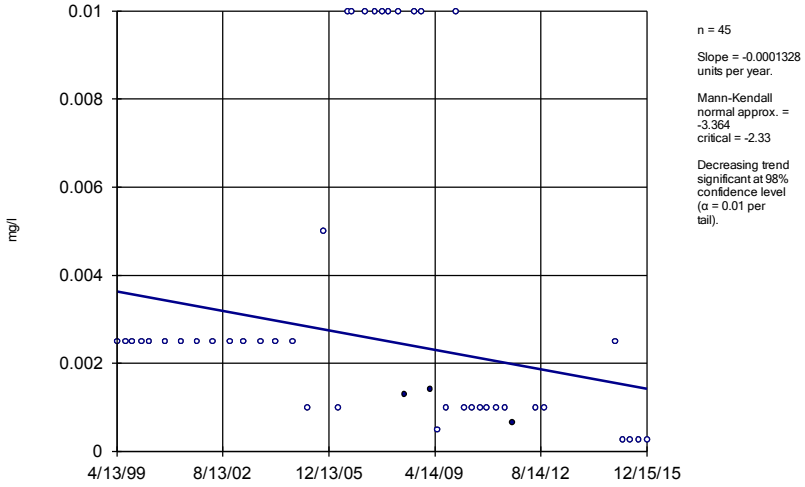
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-4



n = 45

Slope = -0.0001328 units per year.

Mann-Kendall normal approx. = -3.364
critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

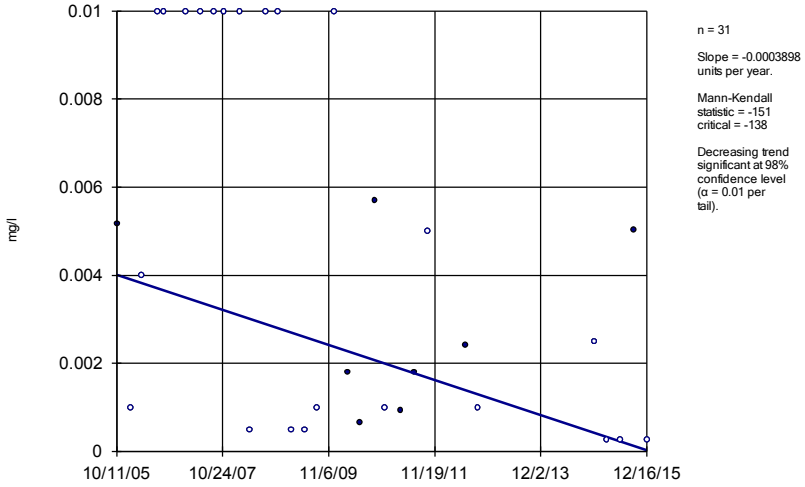
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-1



n = 31

Slope = -0.0003898 units per year.

Mann-Kendall statistic = -151
critical = -138

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

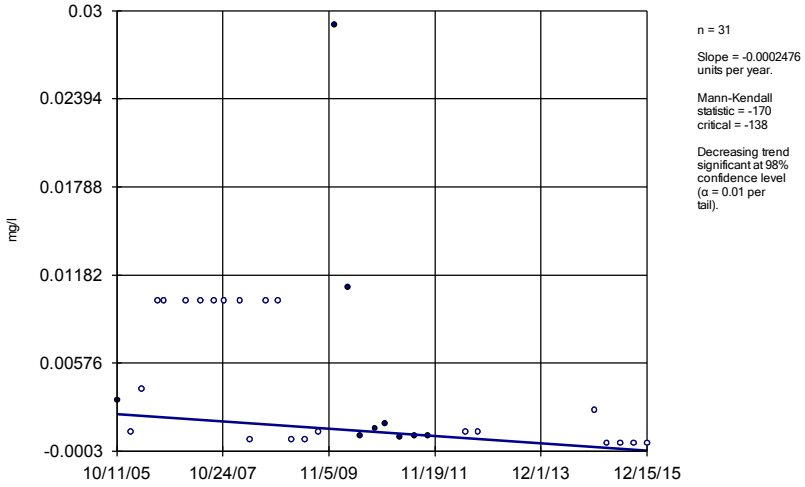
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-2



n = 31

Slope = -0.0002476 units per year.

Mann-Kendall statistic = -170
critical = -138

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

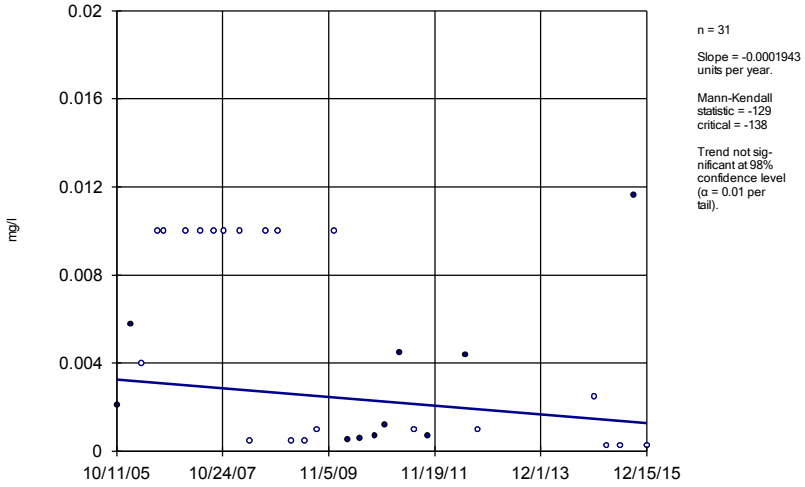
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-3



n = 31

Slope = -0.0001943 units per year.

Mann-Kendall statistic = -129
critical = -138

Trend not significant at 98% confidence level (α = 0.01 per tail).

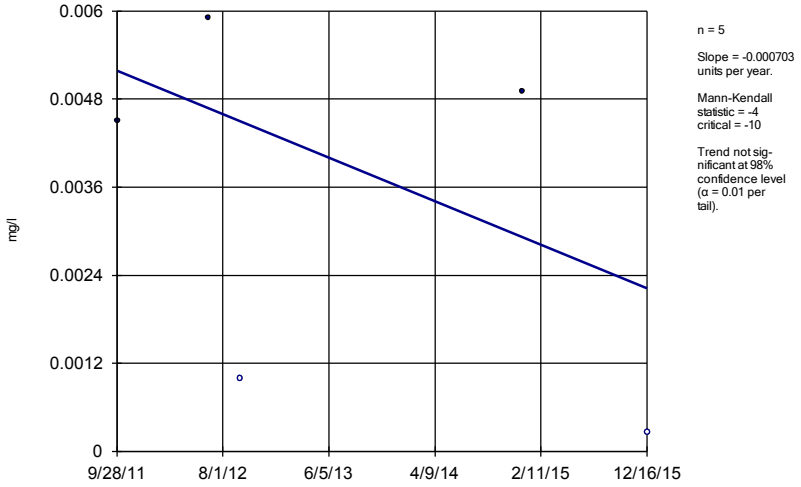
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

LEACHATE



n = 5

Slope = -0.000703 units per year.

Mann-Kendall statistic = -4
critical = -10

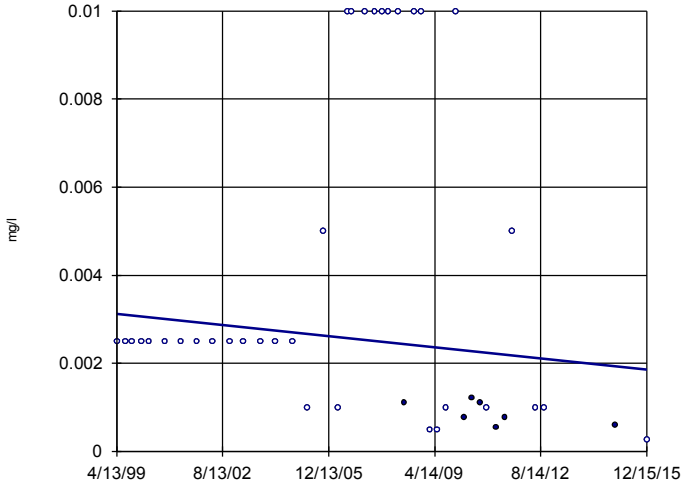
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Copper Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1



n = 42

Slope = -0.00007535 units per year.

Mann-Kendall normal approx. = -2.121
critical = -2.33

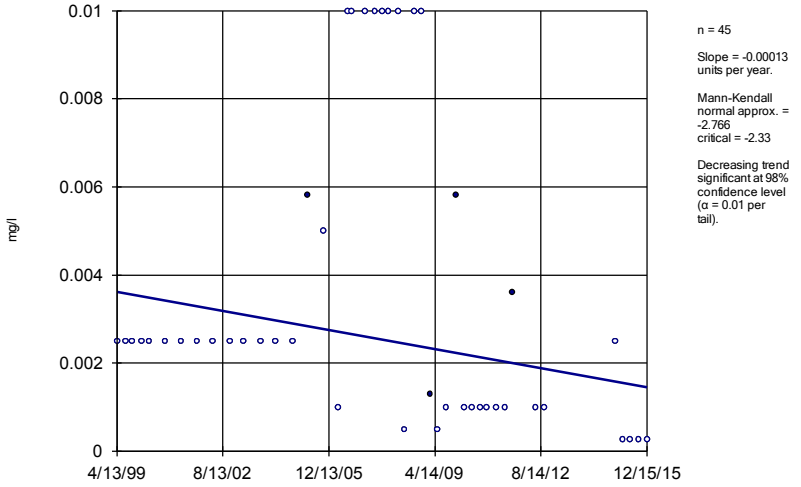
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Copper Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-2



n = 45

Slope = -0.00013 units per year.

Mann-Kendall normal approx. = -2.766
critical = -2.33

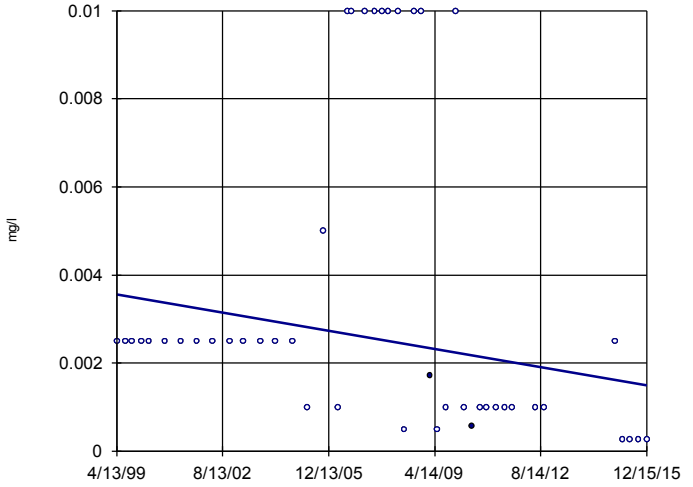
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Copper Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-3



n = 45

Slope = -0.0001244 units per year.

Mann-Kendall normal approx. = -3.09
critical = -2.33

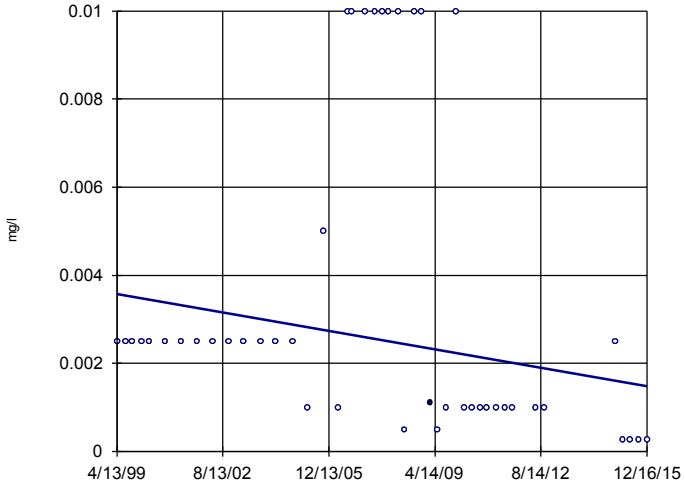
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Copper Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-5



n = 45

Slope = -0.0001255 units per year.

Mann-Kendall normal approx. = -3.128
critical = -2.33

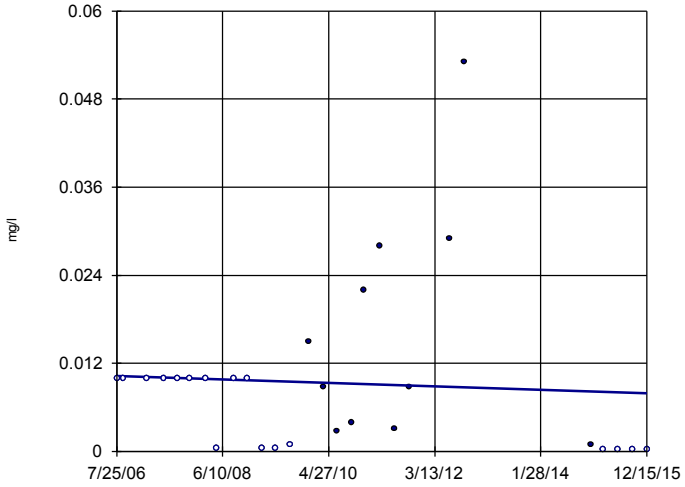
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Copper Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-509D



n = 28

Slope = -0.0002479 units per year.

Mann-Kendall statistic = -84
critical = -119

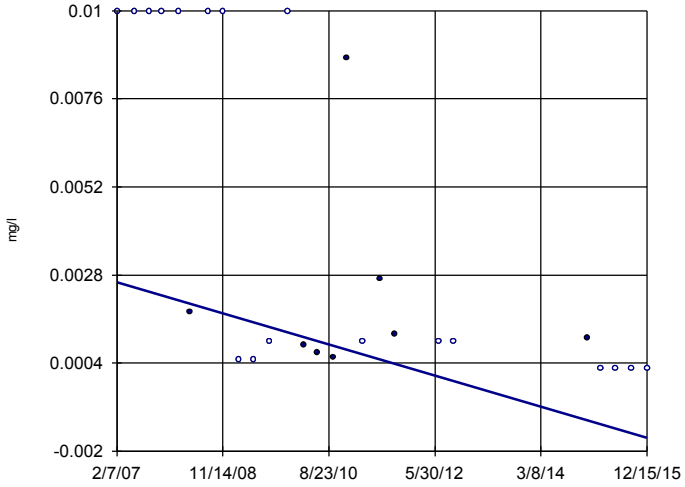
Trend not significant at 98% confidence level (α = 0.01 per tail).

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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-577



n = 26

Slope = -0.0004793 units per year.

Mann-Kendall statistic = -164
critical = -106

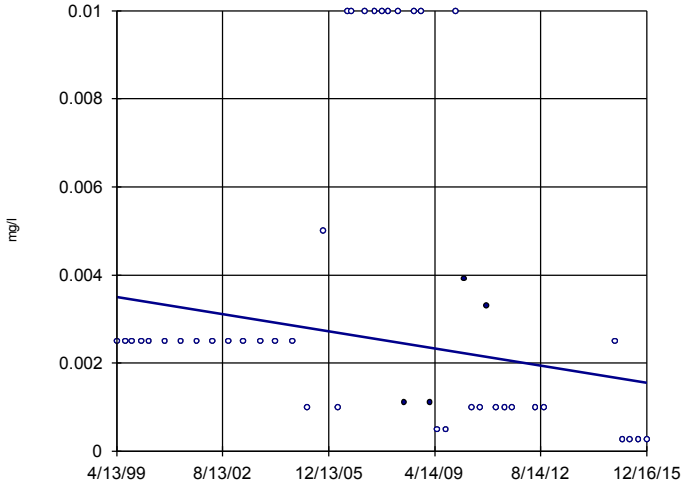
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-6



n = 45

Slope = -0.000116 units per year.

Mann-Kendall normal approx. = -2.695
critical = -2.33

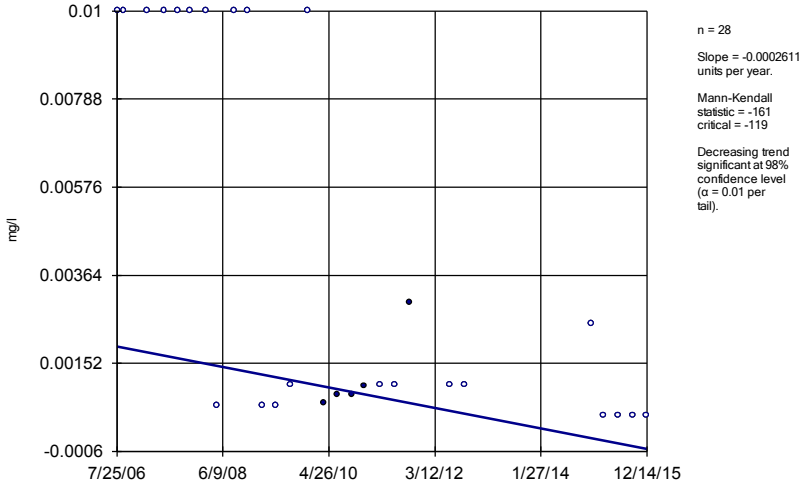
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Copper Analysis Run 2/2/2016 2:00 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-633D



n = 28

Slope = -0.0002611 units per year.

Mann-Kendall statistic = -161
critical = -119

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

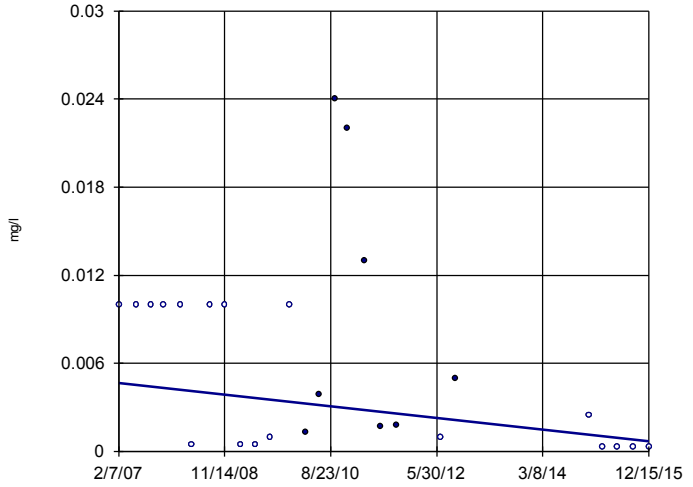
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-689D



n = 26

Slope = -0.0004465 units per year.

Mann-Kendall statistic = -105
critical = -106

Trend not significant at 98% confidence level (α = 0.01 per tail).

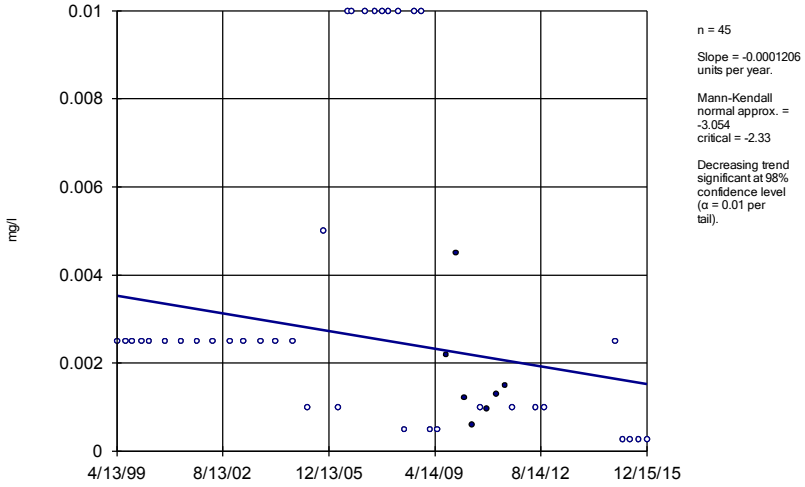
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-7



n = 45

Slope = -0.0001206 units per year.

Mann-Kendall normal approx. = -3.054
critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

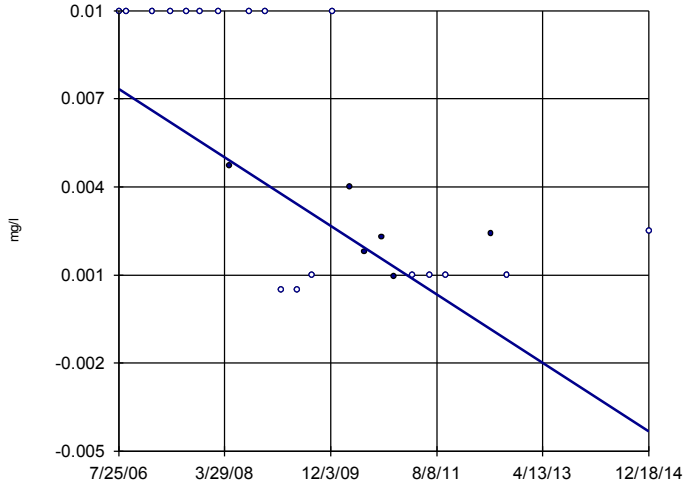
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-1



n = 24

Slope = -0.001388 units per year.

Mann-Kendall statistic = -116
critical = -95

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

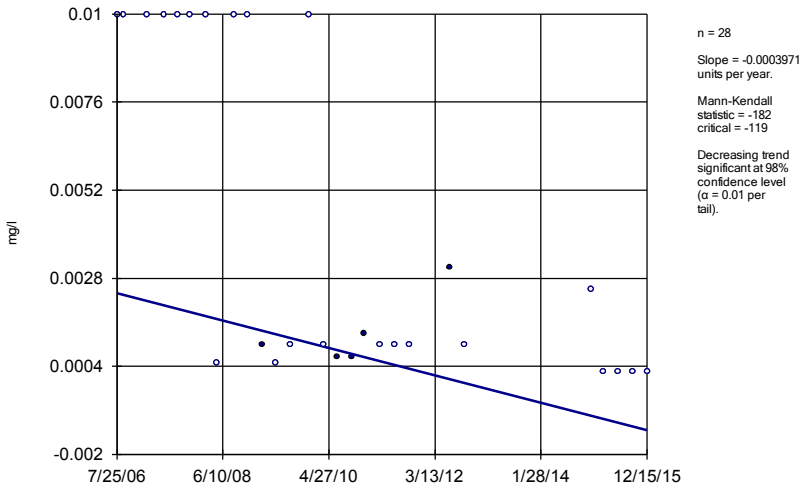
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-2



n = 28

Slope = -0.0003971 units per year.

Mann-Kendall statistic = -182
critical = -119

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

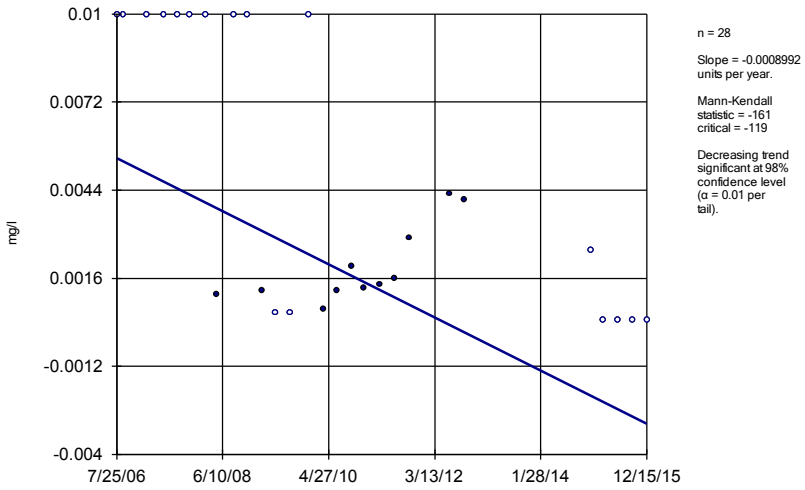
Constituent: Copper Analysis Run 2/2/2016 2:00 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-3



n = 28

Slope = -0.0008992 units per year.

Mann-Kendall statistic = -161
critical = -119

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

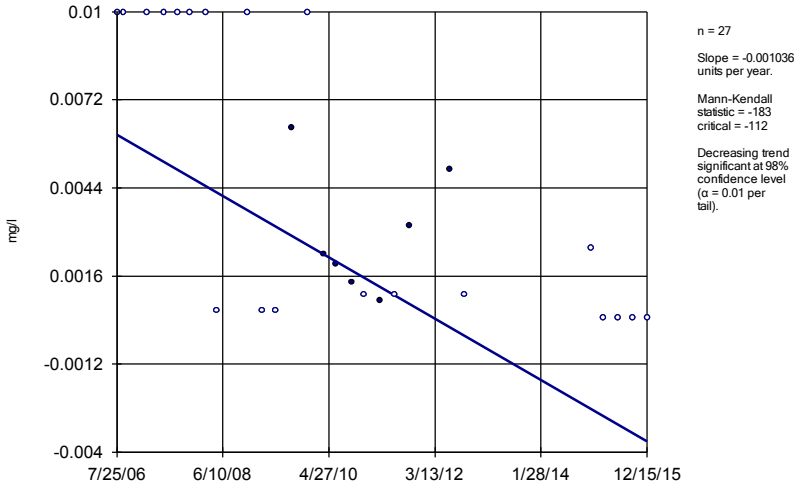
Constituent: Copper Analysis Run 2/2/2016 2:00 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-4



n = 27

Slope = -0.001036 units per year.

Mann-Kendall statistic = -183
critical = -112

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

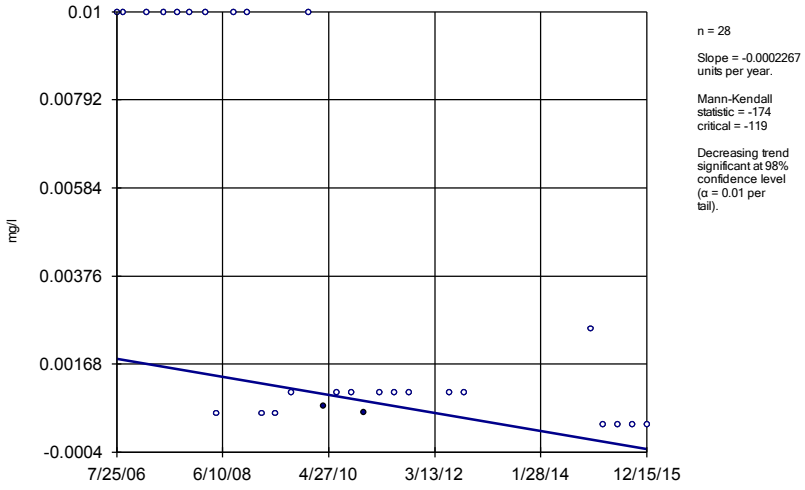
Constituent: Copper Analysis Run 2/2/2016 2:00 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-7



n = 28

Slope = -0.0002267 units per year.

Mann-Kendall statistic = -174
critical = -119

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

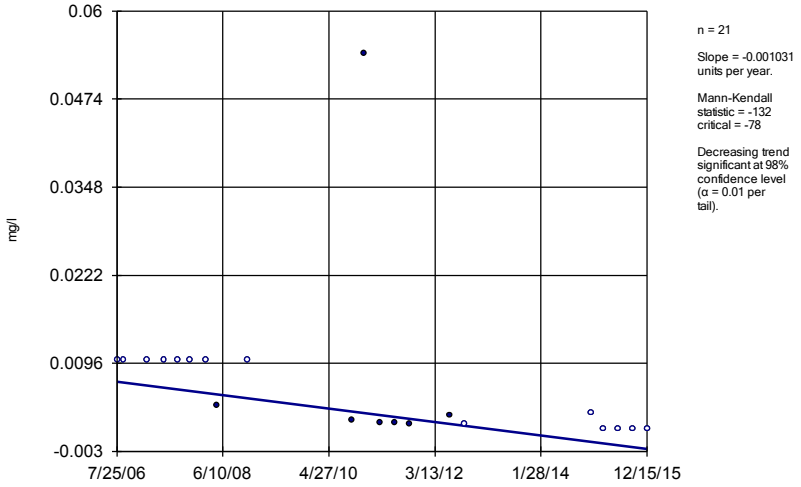
Constituent: Copper Analysis Run 2/2/2016 2:00 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-8



n = 21

Slope = -0.001031 units per year.

Mann-Kendall statistic = -132
critical = -78

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

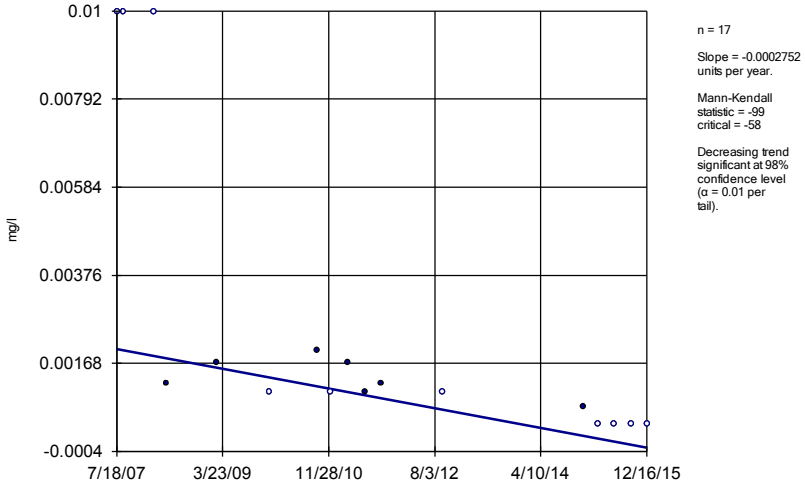
Constituent: Copper Analysis Run 2/2/2016 2:01 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-7



n = 17

Slope = -0.0002752 units per year.

Mann-Kendall statistic = -99
critical = -58

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

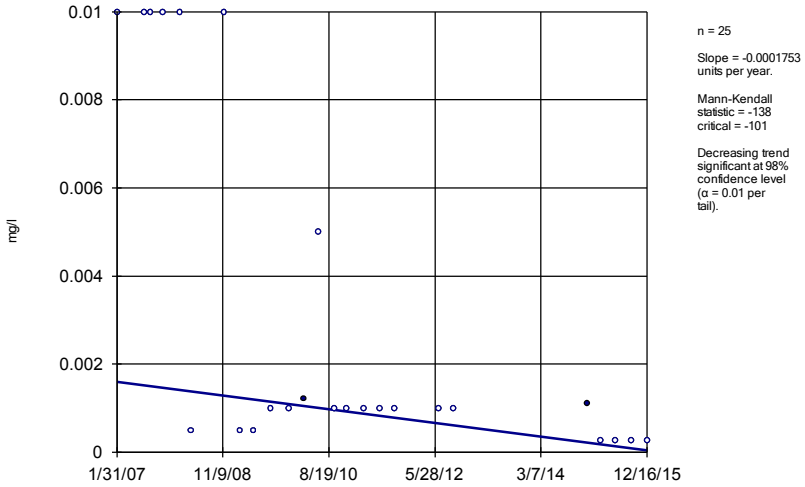
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGA



n = 25

Slope = -0.0001753 units per year.

Mann-Kendall statistic = -138
critical = -101

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

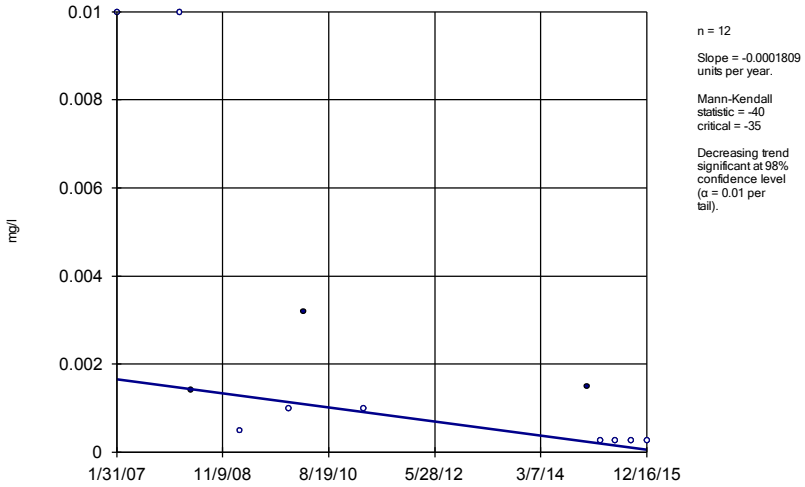
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGB



n = 12

Slope = -0.0001809 units per year.

Mann-Kendall statistic = -40
critical = -35

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

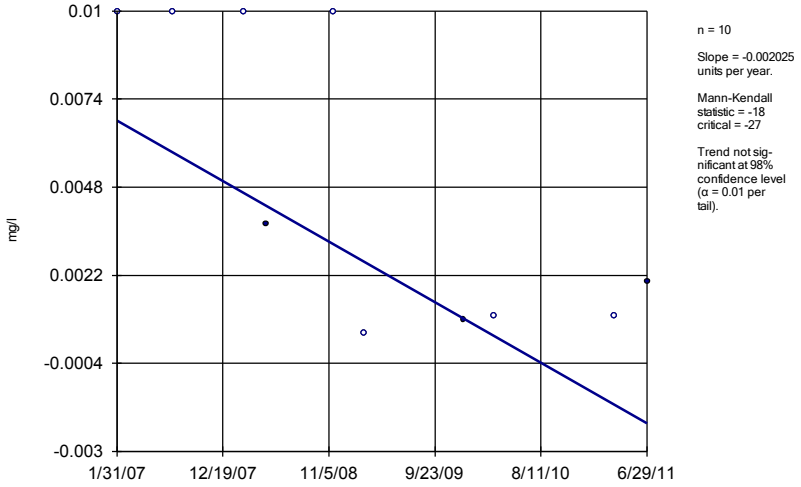
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-1



n = 10

Slope = -0.002025 units per year.

Mann-Kendall statistic = -18
critical = -27

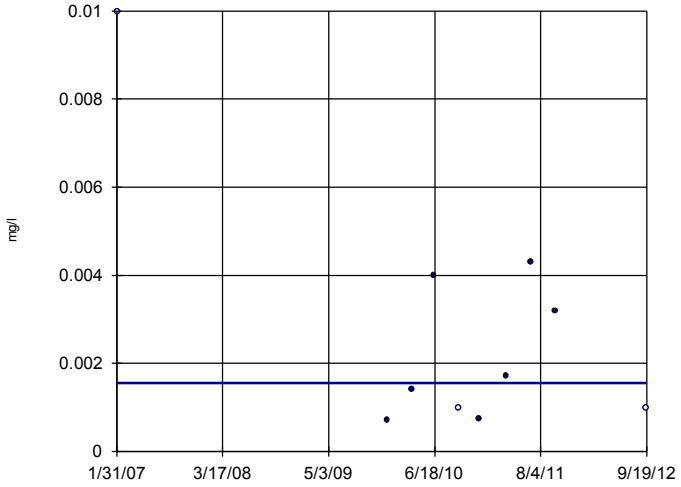
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Copper Analysis Run 2/2/2016 2:01 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-2



n = 10

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 27

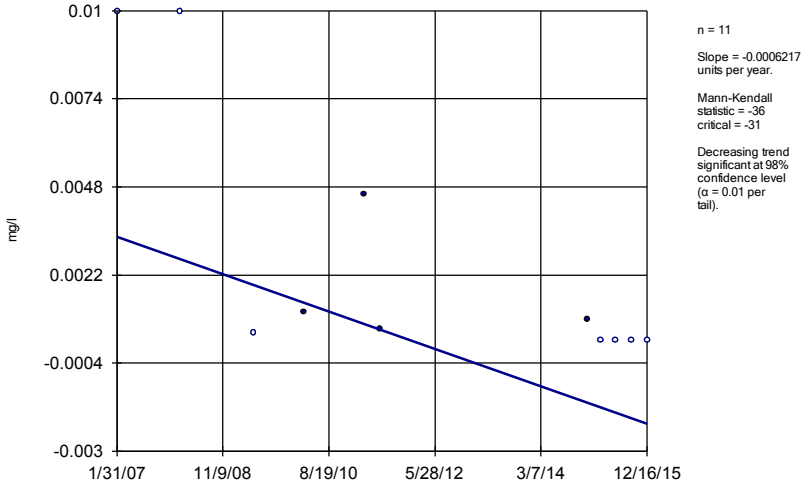
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Copper Analysis Run 2/2/2016 2:01 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-3



n = 11

Slope = -0.0006217 units per year.

Mann-Kendall statistic = -36
critical = -31

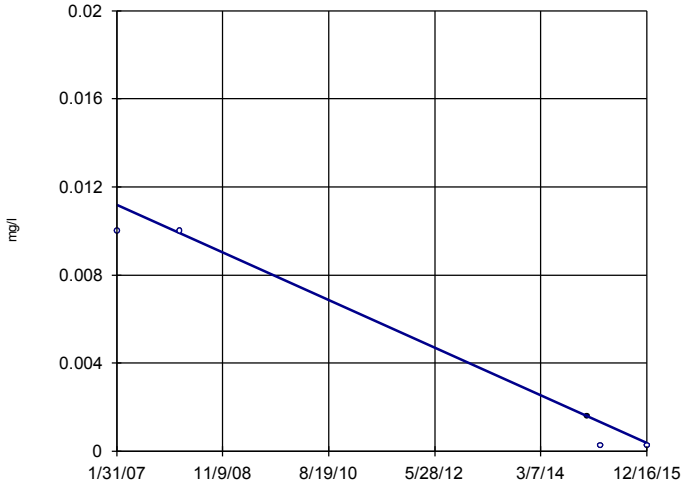
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Copper Analysis Run 2/2/2016 2:01 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-4



n = 5

Slope = -0.001216 units per year.

Mann-Kendall statistic = -8
critical = -10

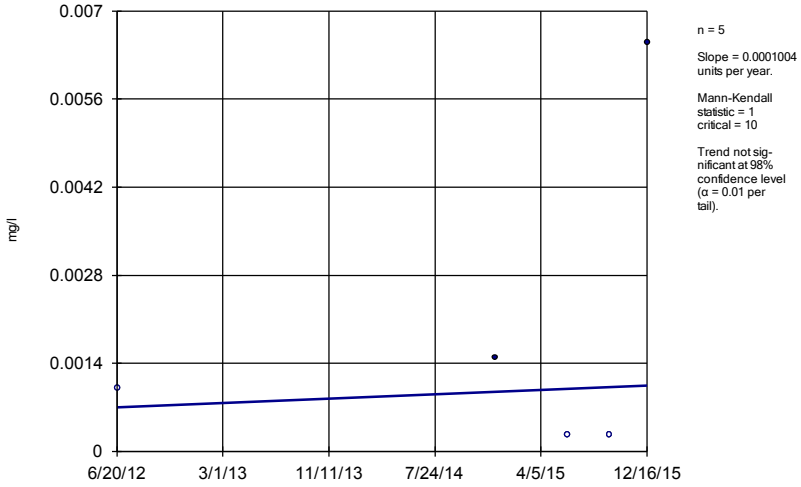
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Copper Analysis Run 2/2/2016 2:01 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

LFENTRANCESEEP



n = 5

Slope = 0.0001004 units per year.

Mann-Kendall statistic = 1
critical = 10

Trend not significant at 98% confidence level (α = 0.01 per tail).

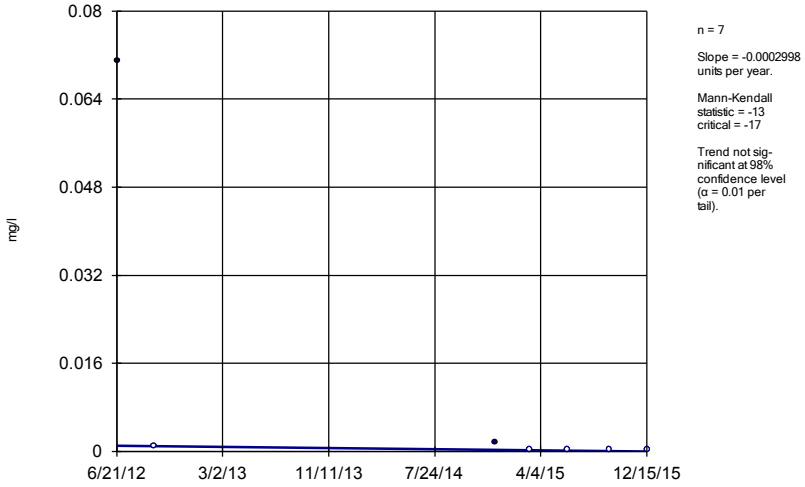
Constituent: Copper Analysis Run 2/2/2016 2:01 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1R



n = 7

Slope = -0.0002998 units per year.

Mann-Kendall statistic = -13
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

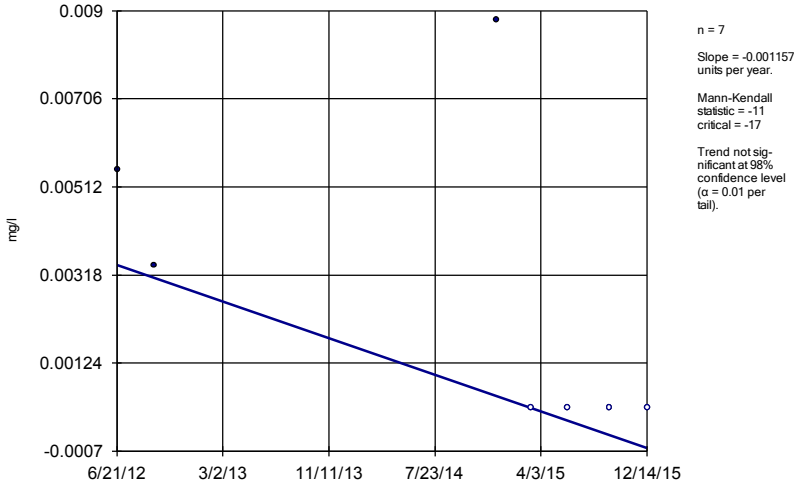
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-2



n = 7

Slope = -0.001157 units per year.

Mann-Kendall statistic = -11
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

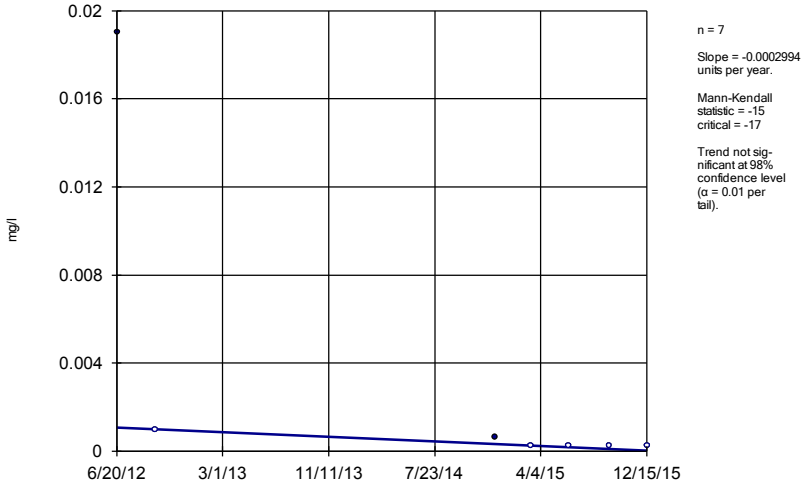
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-3



n = 7

Slope = -0.0002994 units per year.

Mann-Kendall statistic = -15
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

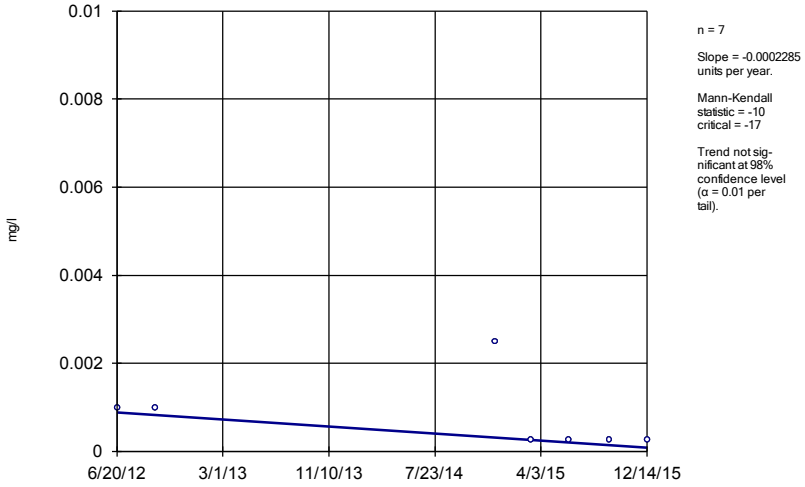
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-6



n = 7

Slope = -0.0002285 units per year.

Mann-Kendall statistic = -10
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

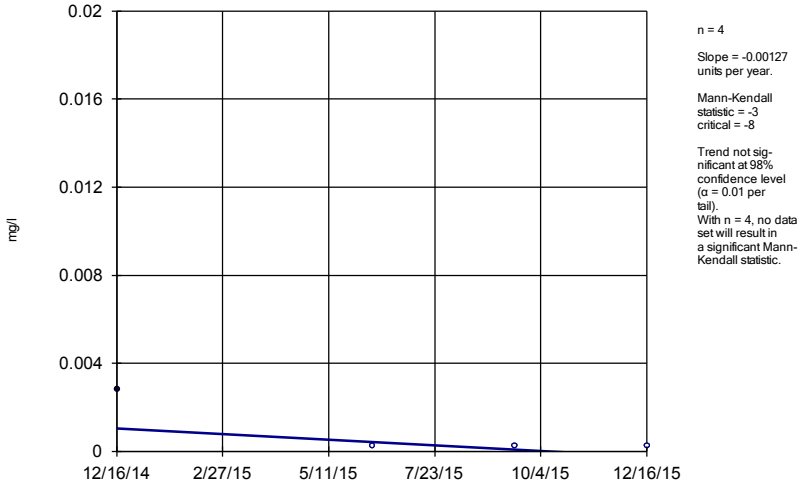
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIDRAW



n = 4

Slope = -0.00127 units per year.

Mann-Kendall statistic = -3
critical = -8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

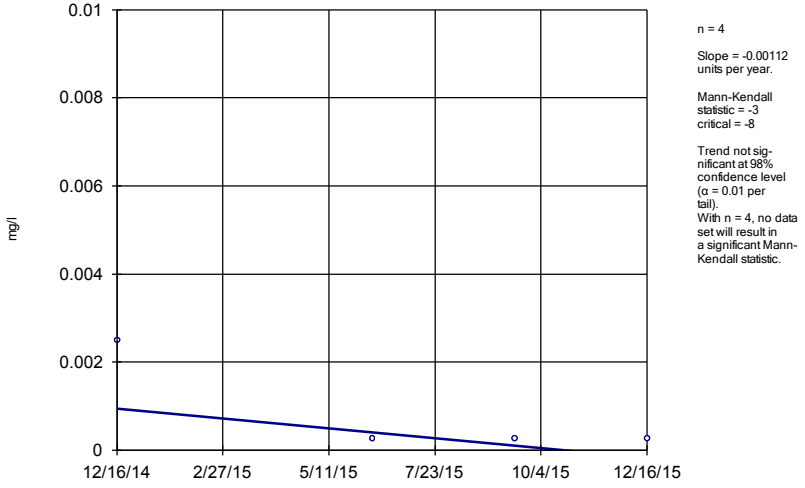
Constituent: Copper Analysis Run 2/2/2016 2:01 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIVDRAW



n = 4

Slope = -0.00112 units per year.

Mann-Kendall statistic = -3
critical = -8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

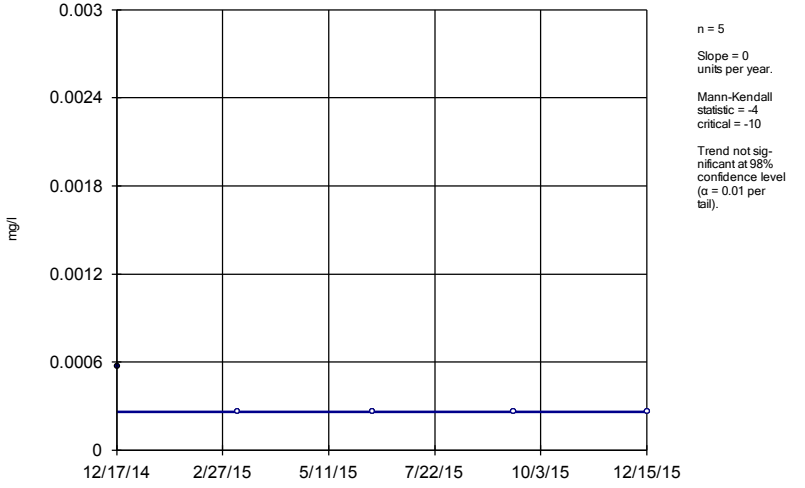
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-NE-3



n = 5

Slope = 0 units per year.

Mann-Kendall statistic = -4
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

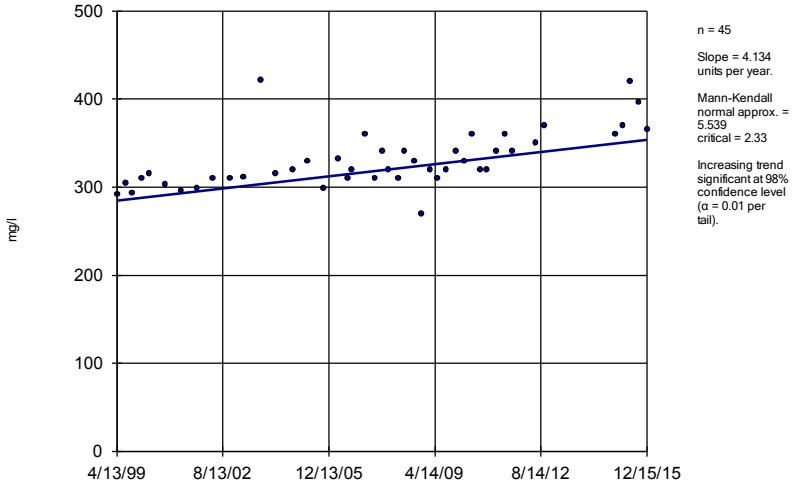
Constituent: Copper Analysis Run 2/2/2016 2:01 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-4



n = 45

Slope = 4.134 units per year.

Mann-Kendall normal approx. = 5.539 critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

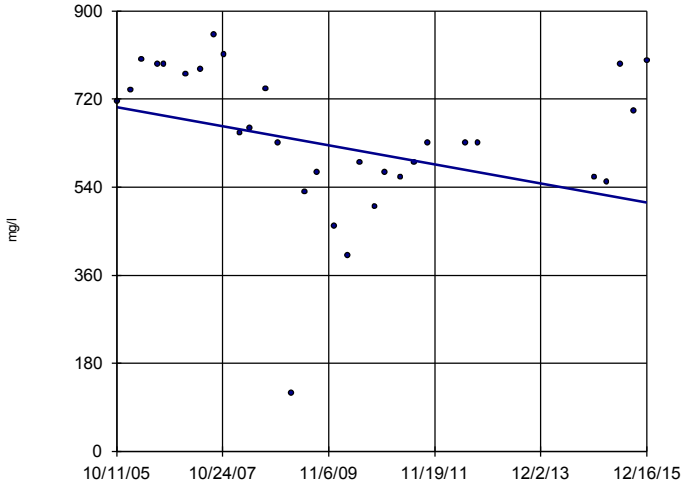
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

CAO-1



n = 31

Slope = -19.09 units per year.

Mann-Kendall statistic = -113 critical = -138

Trend not significant at 98% confidence level (α = 0.01 per tail).

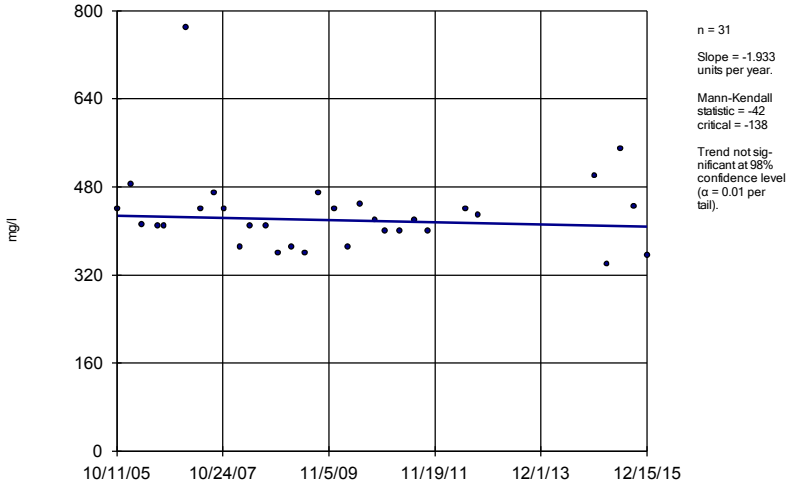
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

CAO-2



n = 31

Slope = -1.933 units per year.

Mann-Kendall statistic = -42 critical = -138

Trend not significant at 98% confidence level (α = 0.01 per tail).

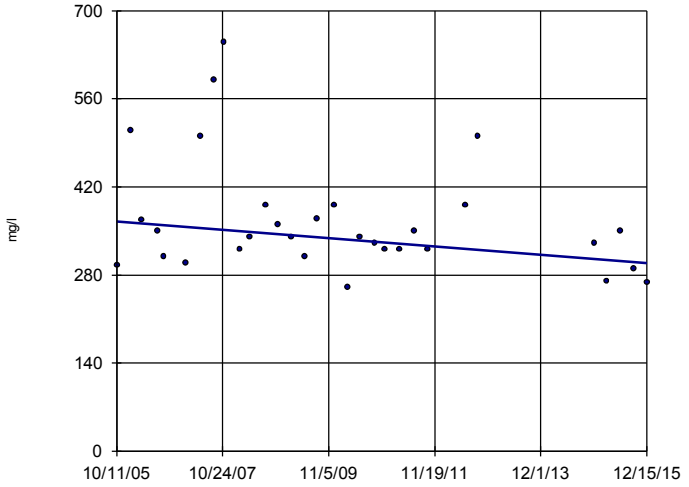
Constituent: Dissolved Solids Analysis Run 2/2/2016 2:01 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

CAO-3



n = 31

Slope = -6.449 units per year.

Mann-Kendall statistic = -91 critical = -138

Trend not significant at 98% confidence level (α = 0.01 per tail).

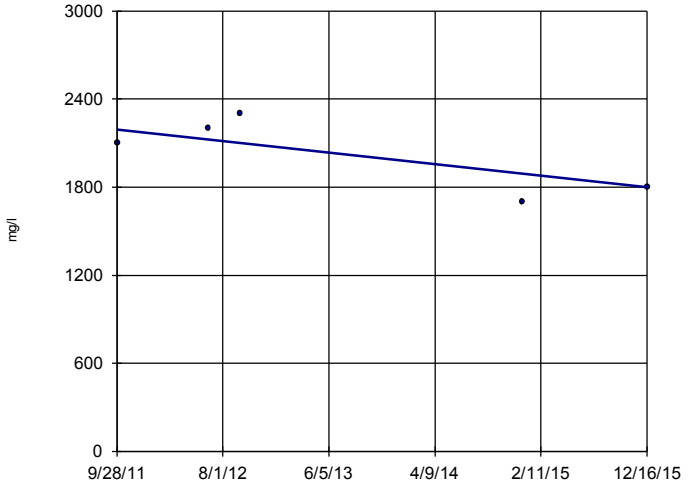
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

LEACHATE



n = 5

Slope = -92.9 units per year.

Mann-Kendall statistic = -2 critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

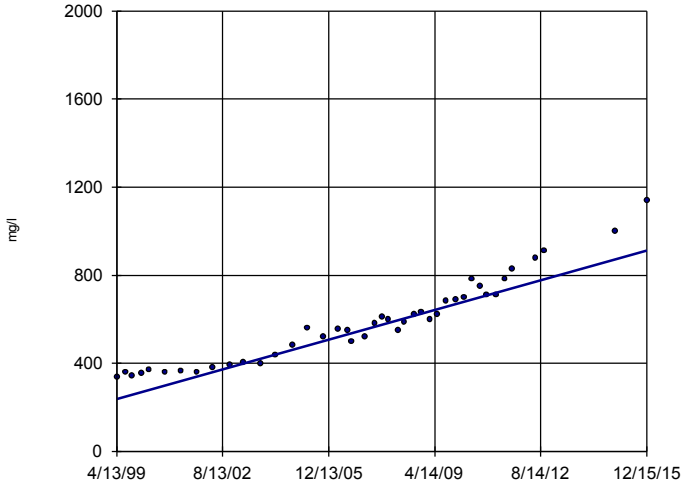
Constituent: Dissolved Solids Analysis Run 2/2/2016 2:01 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-1



n = 42

Slope = 40.48 units per year.

Mann-Kendall normal approx. = 8.478 critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

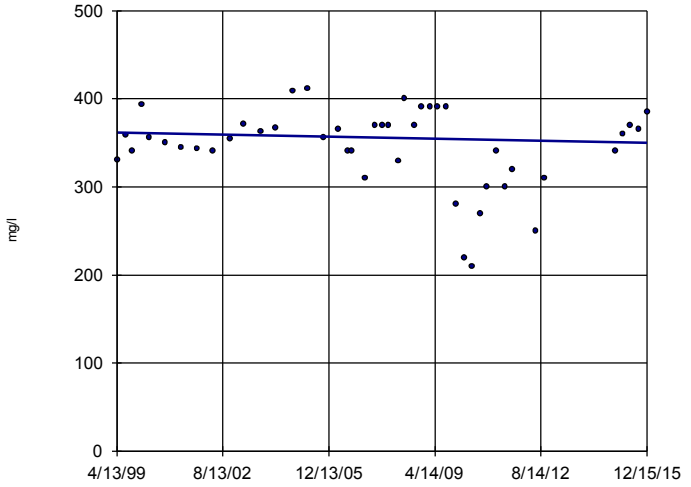
Constituent: Dissolved Solids Analysis Run 2/2/2016 2:01 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

MW-2



n = 45

Slope = -0.6884 units per year.

Mann-Kendall normal approx. = -0.8823 critical = -2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

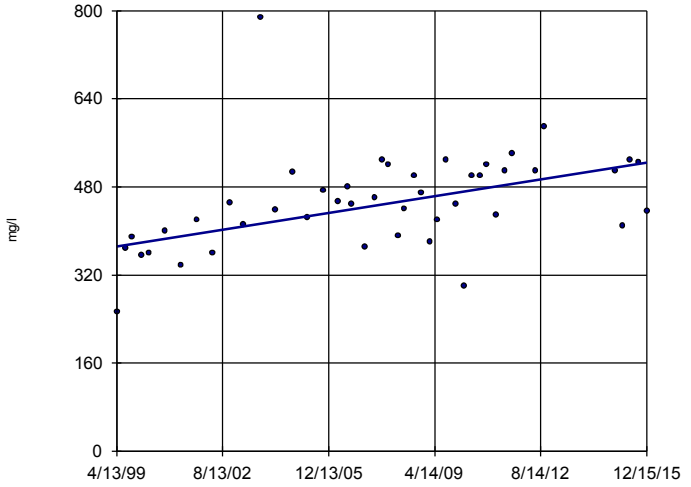
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-3



n = 45

Slope = 9.144 units per year.

Mann-Kendall normal approx. = 3.974 critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

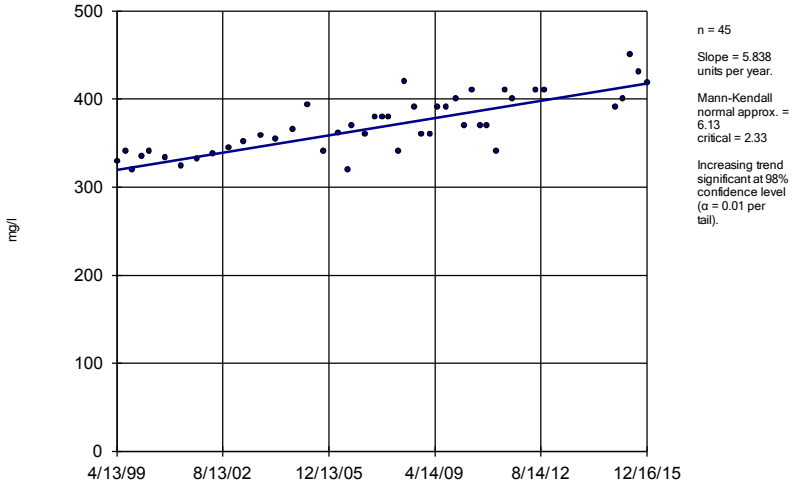
Constituent: Dissolved Solids Analysis Run 2/2/2016 2:01 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

MW-5



n = 45

Slope = 5.838 units per year.

Mann-Kendall normal approx. = 6.13
critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

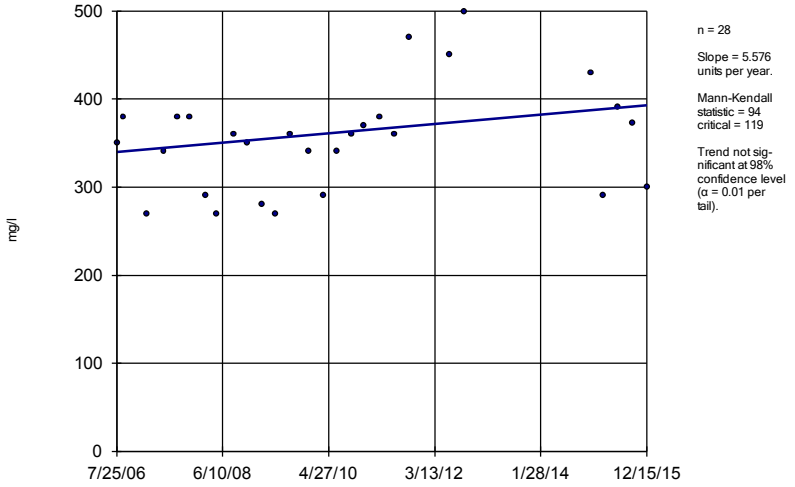
Constituent: Dissolved Solids Analysis Run 2/2/2016 2:01 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-509D



n = 28

Slope = 5.576 units per year.

Mann-Kendall statistic = 94
critical = 119

Trend not significant at 98% confidence level (α = 0.01 per tail).

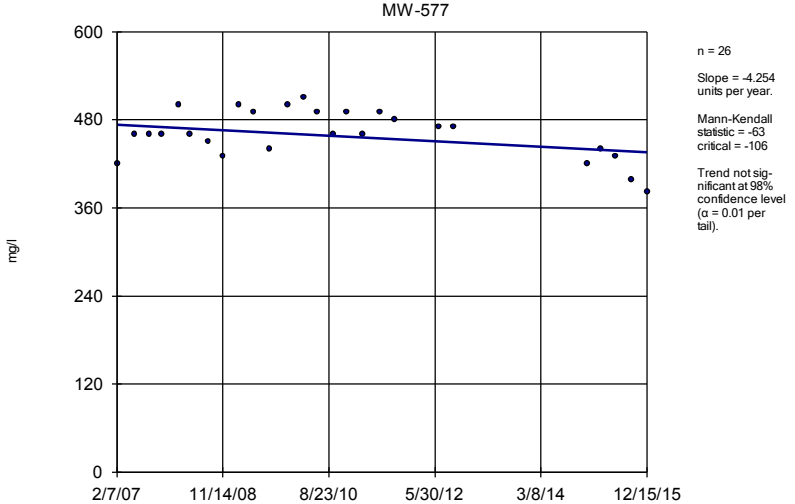
Constituent: Dissolved Solids Analysis Run 2/2/2016 2:01 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-577



n = 26

Slope = -4.254 units per year.

Mann-Kendall statistic = -63
critical = -106

Trend not significant at 98% confidence level (α = 0.01 per tail).

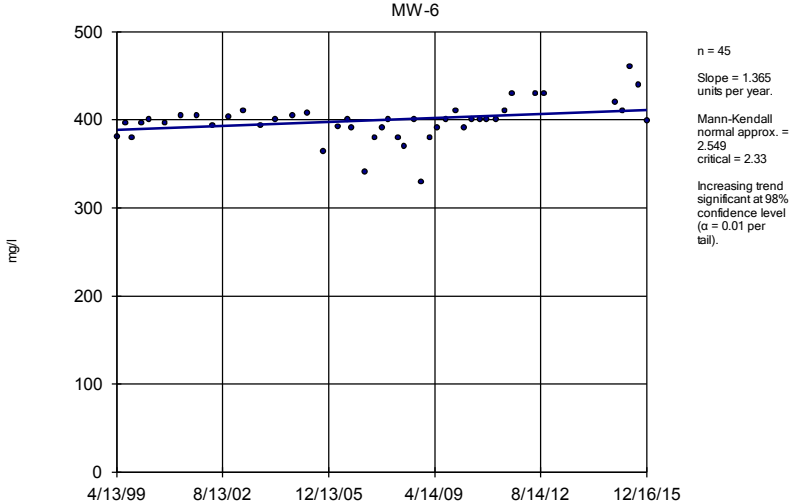
Constituent: Dissolved Solids Analysis Run 2/2/2016 2:01 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

MW-6



n = 45

Slope = 1.365 units per year.

Mann-Kendall normal approx. = 2.549
critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

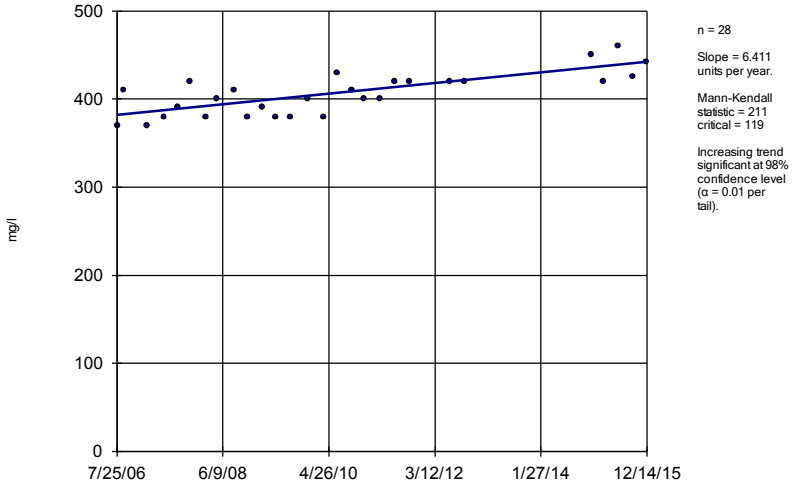
Constituent: Dissolved Solids Analysis Run 2/2/2016 2:01 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-633D



n = 28

Slope = 6.411 units per year.

Mann-Kendall statistic = 211 critical = 119

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

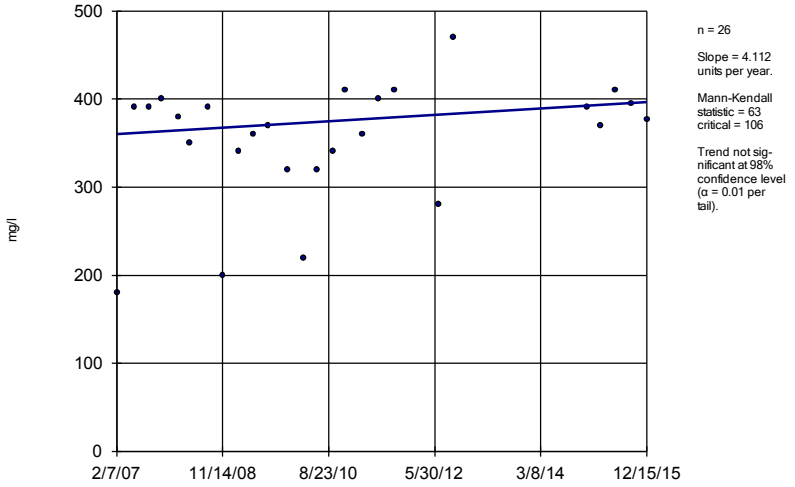
Constituent: Dissolved Solids Analysis Run 2/2/2016 2:01 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

MW-689D



n = 26

Slope = 4.112 units per year.

Mann-Kendall statistic = 63 critical = 106

Trend not significant at 98% confidence level (α = 0.01 per tail).

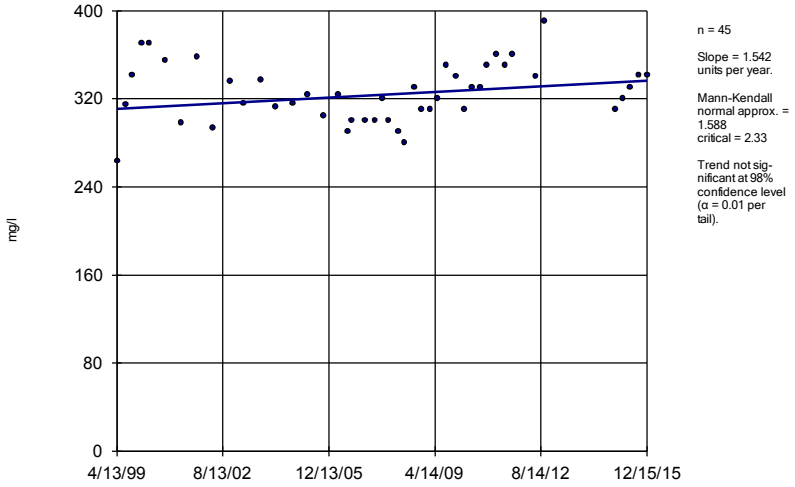
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-7



n = 45

Slope = 1.542 units per year.

Mann-Kendall normal approx. = 1.588 critical = 2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

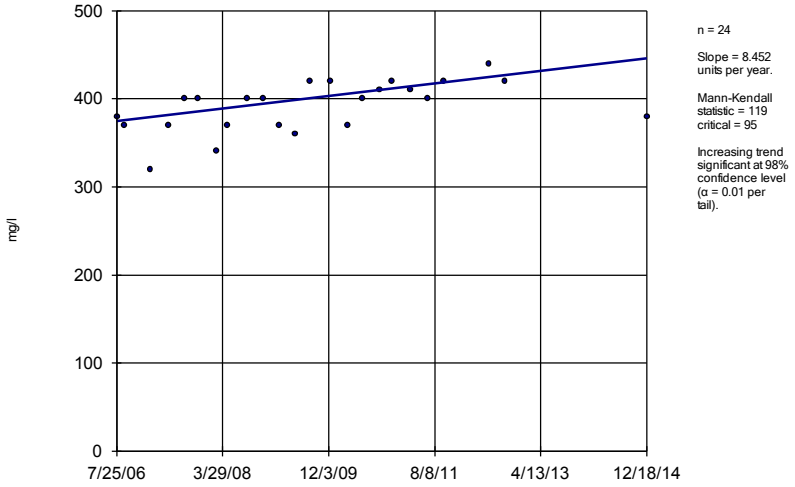
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-1



n = 24

Slope = 8.452 units per year.

Mann-Kendall statistic = 119 critical = 95

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

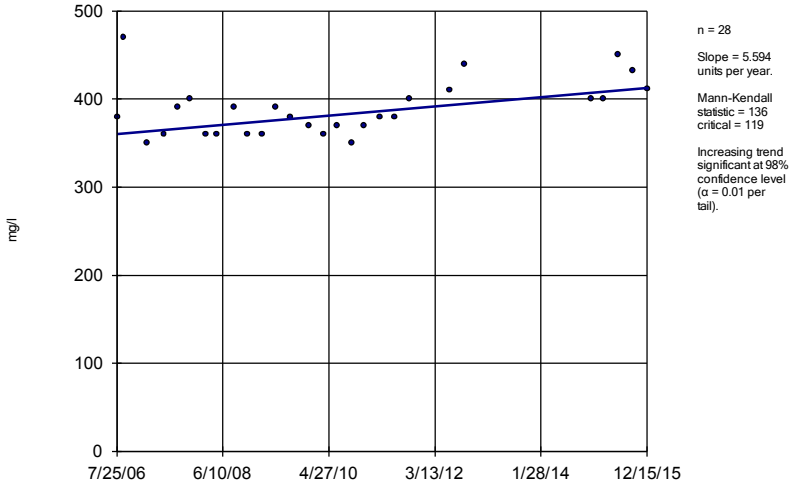
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-2



n = 28

Slope = 5.594 units per year.

Mann-Kendall statistic = 136
critical = 119

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

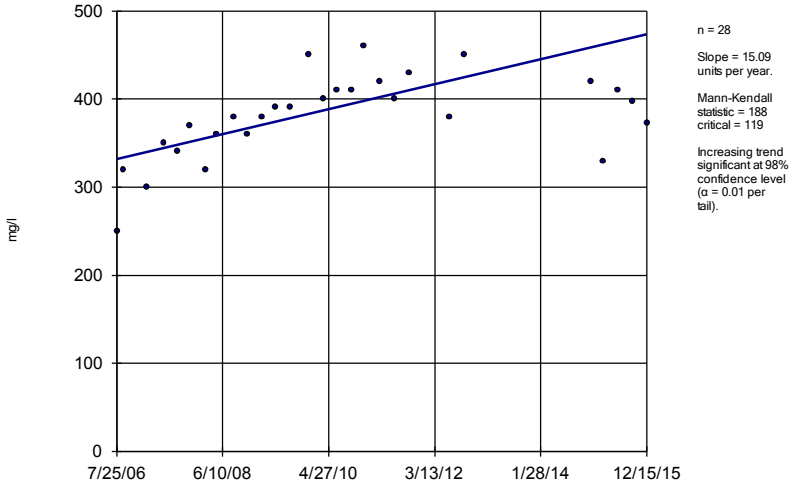
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-3



n = 28

Slope = 15.09 units per year.

Mann-Kendall statistic = 188
critical = 119

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

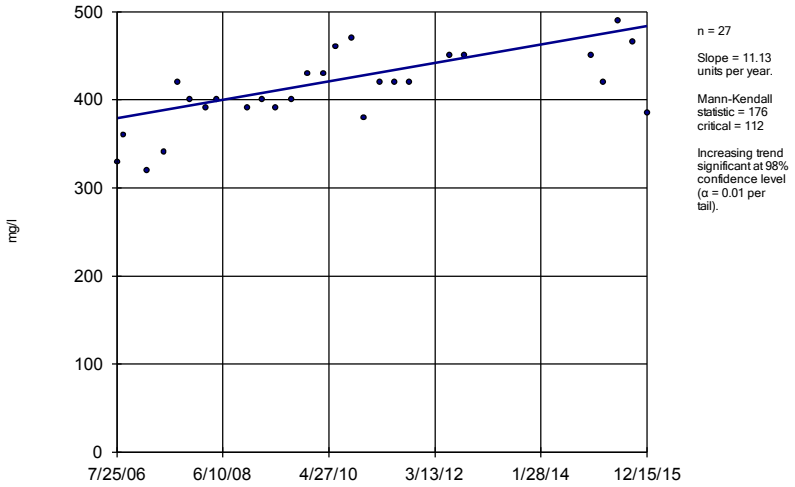
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-4



n = 27

Slope = 11.13 units per year.

Mann-Kendall statistic = 176
critical = 112

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

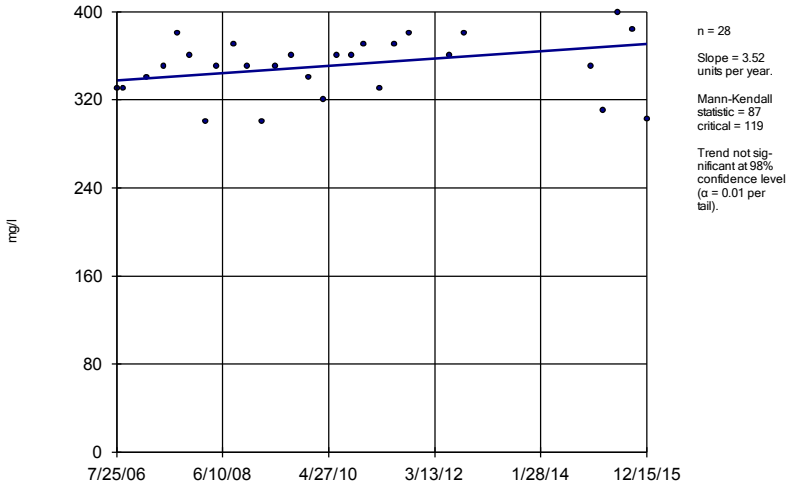
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-7



n = 28

Slope = 3.52 units per year.

Mann-Kendall statistic = 87
critical = 119

Trend not significant at 98% confidence level (α = 0.01 per tail).

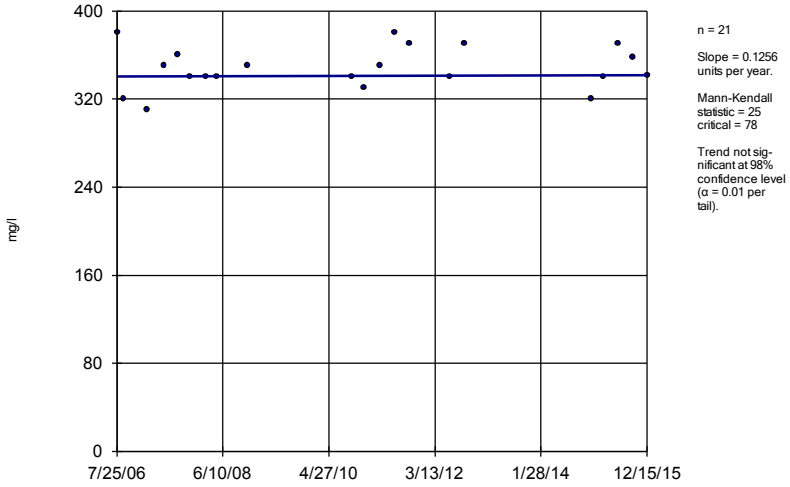
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-8



n = 21

Slope = 0.1256 units per year.

Mann-Kendall statistic = 25
critical = 78

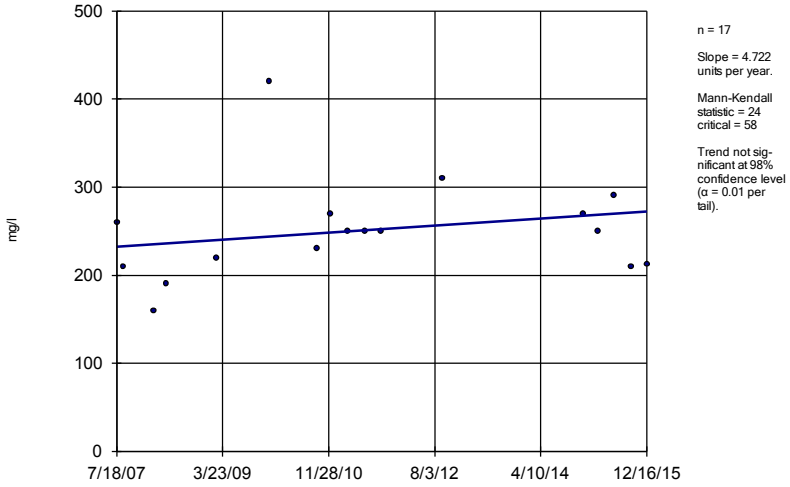
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

SP-7



n = 17

Slope = 4.722 units per year.

Mann-Kendall statistic = 24
critical = 58

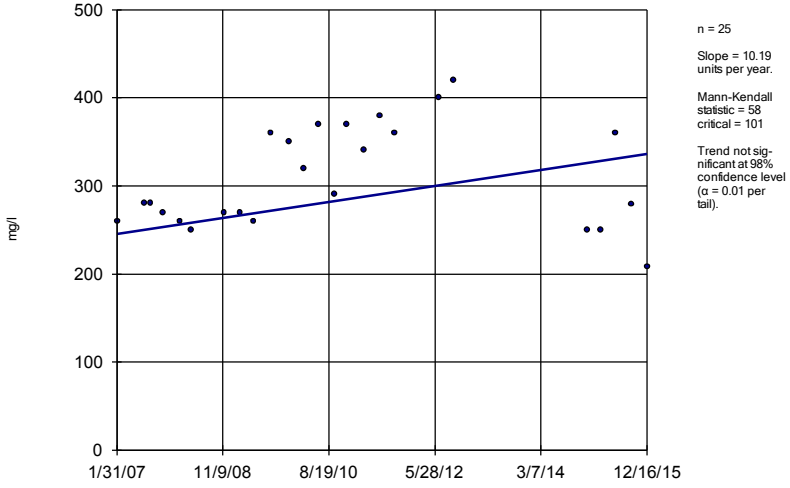
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Constituent: Dissolved Solids Analysis Run 2/2/2016 2:01 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

SPRINGA



n = 25

Slope = 10.19 units per year.

Mann-Kendall statistic = 58
critical = 101

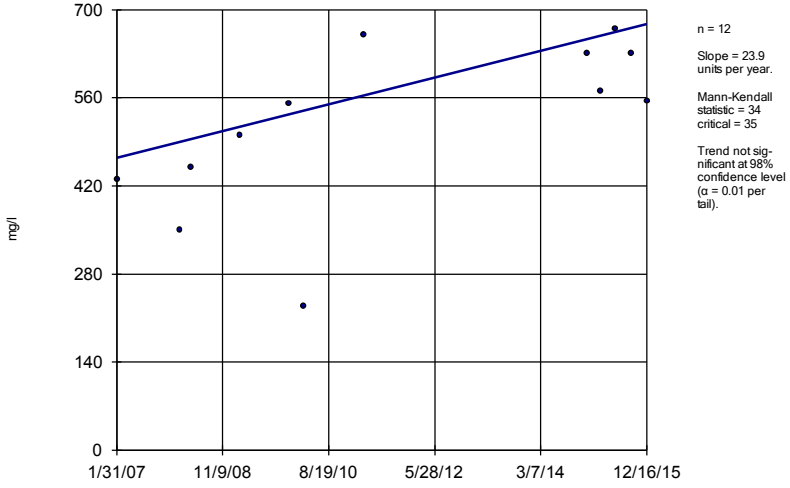
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Dissolved Solids Analysis Run 2/2/2016 2:01 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

SPRINGB



n = 12

Slope = 23.9 units per year.

Mann-Kendall statistic = 34
critical = 35

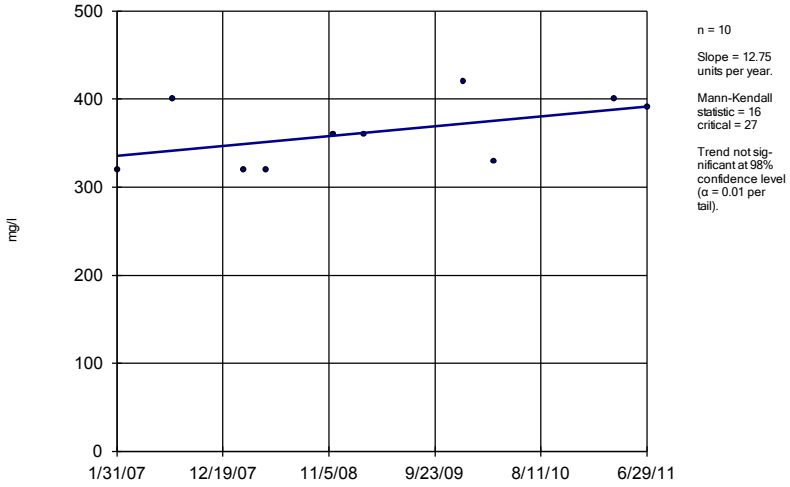
Trend not significant at 98% confidence level (α = 0.01 per tail).

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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

TSP-1



n = 10

Slope = 12.75 units per year.

Mann-Kendall statistic = 16
critical = 27

Trend not significant at 98% confidence level (α = 0.01 per tail).

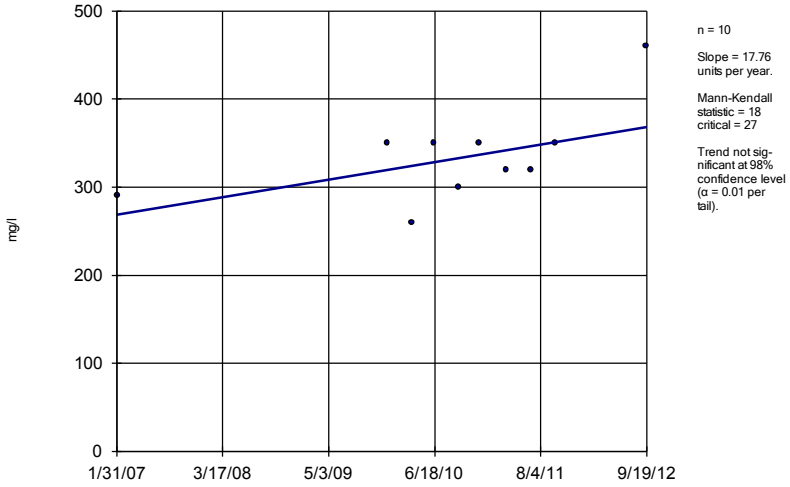
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Sen's Slope Estimator

TSP-2



n = 10

Slope = 17.76 units per year.

Mann-Kendall statistic = 18
critical = 27

Trend not significant at 98% confidence level (α = 0.01 per tail).

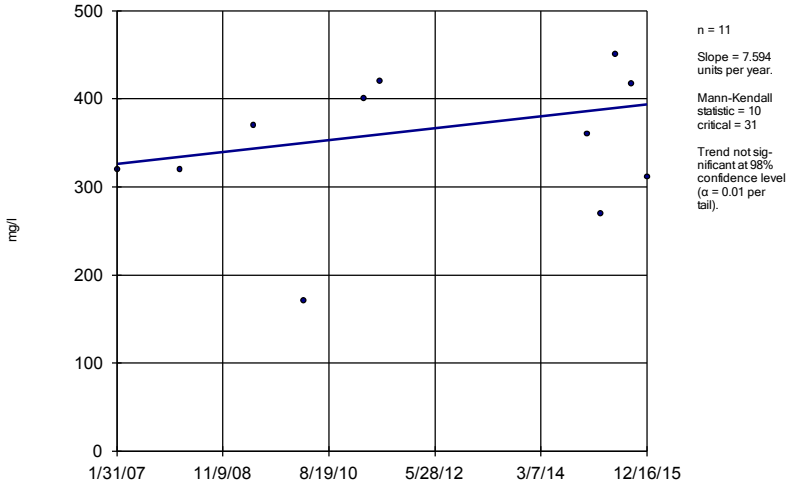
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

TSP-3



n = 11

Slope = 7.594 units per year.

Mann-Kendall statistic = 10
critical = 31

Trend not significant at 98% confidence level (α = 0.01 per tail).

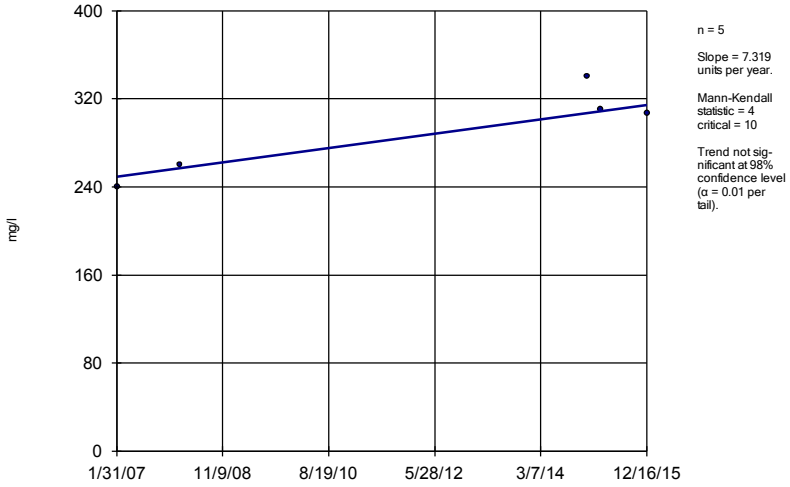
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

TSP-4



n = 5

Slope = 7.319 units per year.

Mann-Kendall statistic = 4
critical = 10

Trend not significant at 98% confidence level (α = 0.01 per tail).

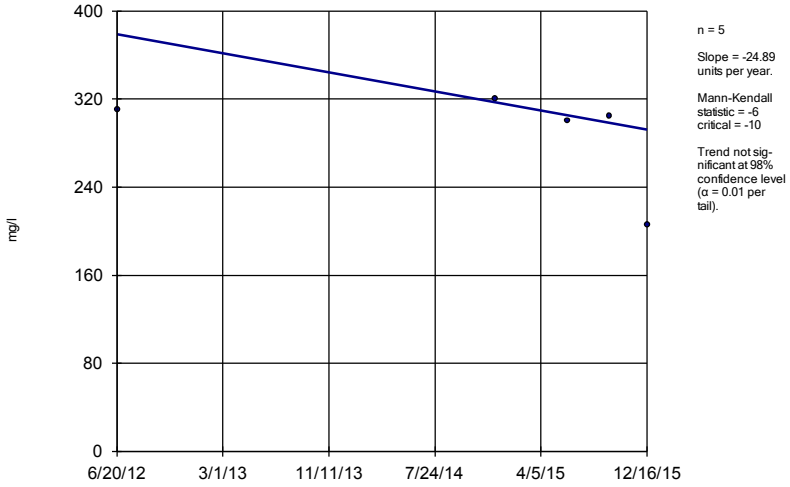
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

LFENTRANCESEEP



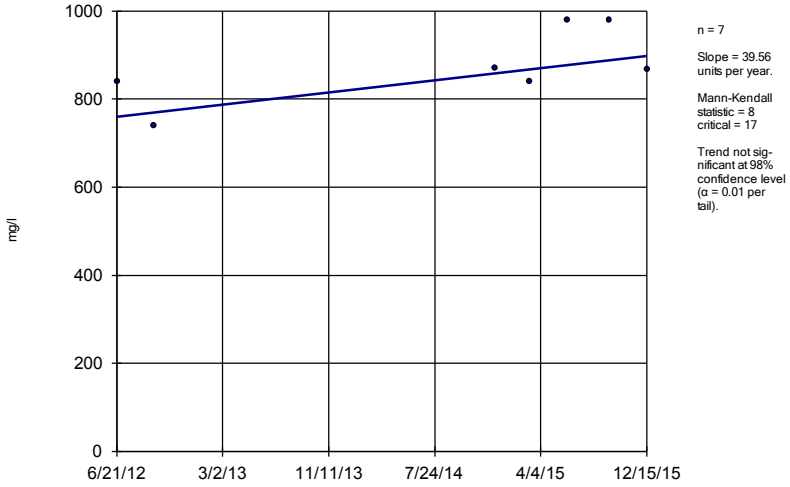
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Sen's Slope Estimator

MW-1R



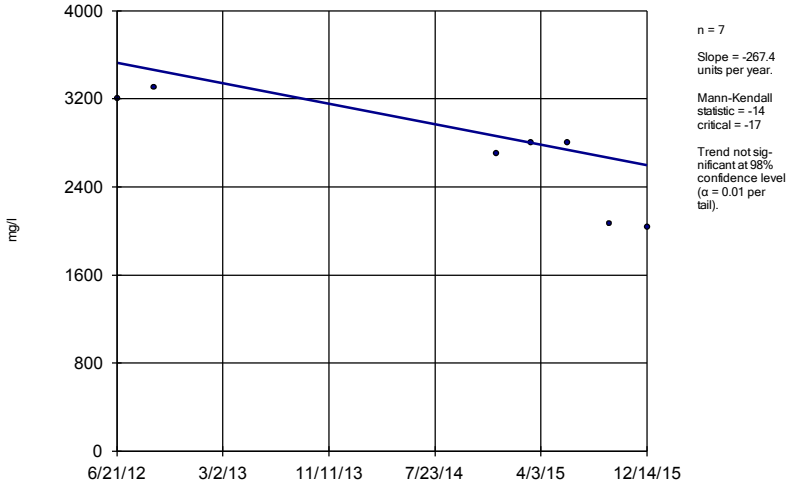
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NE-2



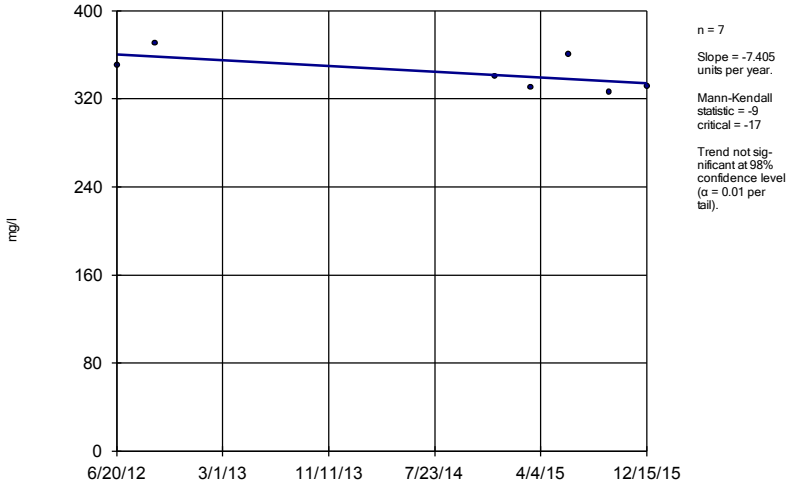
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NE-3



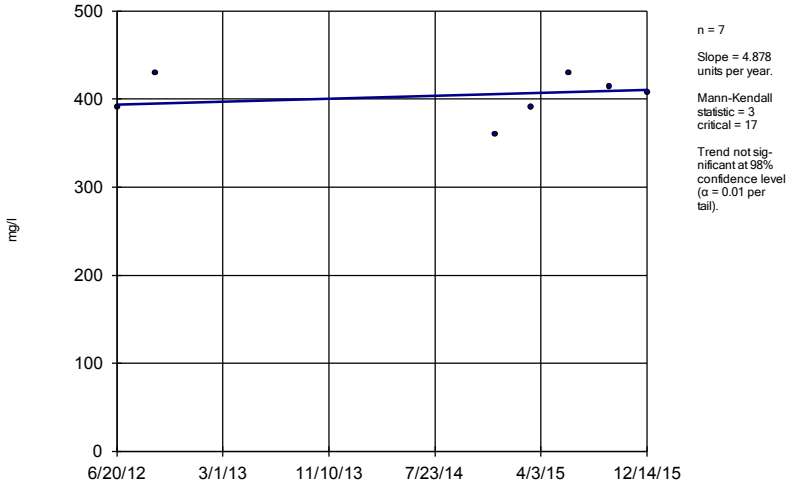
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NE-6



n = 7

Slope = 4.878 units per year.

Mann-Kendall statistic = 3
critical = 17

Trend not significant at 98% confidence level (α = 0.01 per tail).

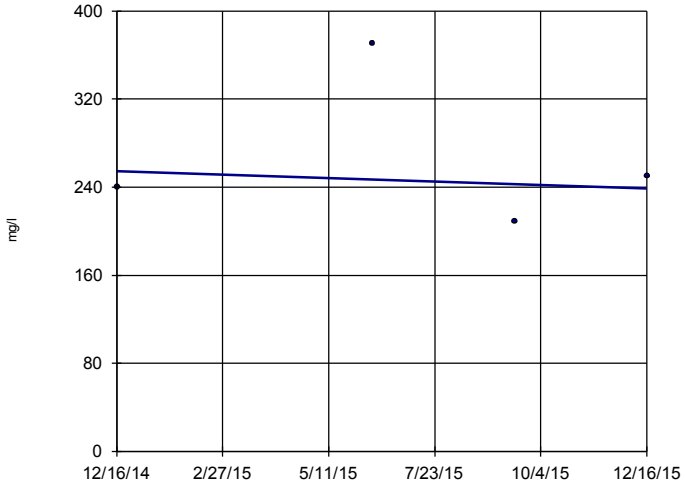
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

CLASSIDRAW



n = 4

Slope = -15.65 units per year.

Mann-Kendall statistic = 0
critical = 8

Trend not significant at 98% confidence level (α = 0.01 per tail).

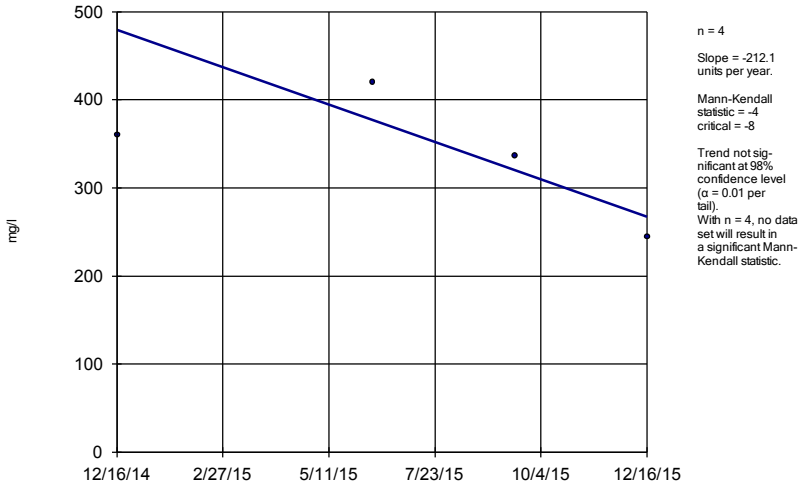
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

CLASSIVDRAW



n = 4

Slope = -212.1 units per year.

Mann-Kendall statistic = -4
critical = -8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

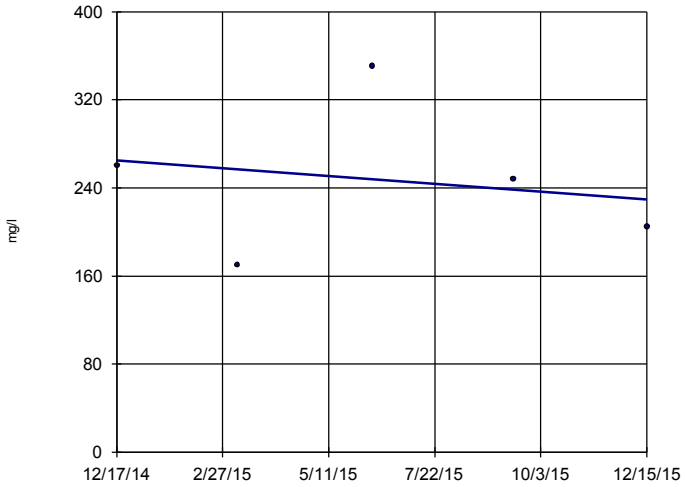
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

SP-NE-3



n = 5

Slope = -35.7 units per year.

Mann-Kendall statistic = -2
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

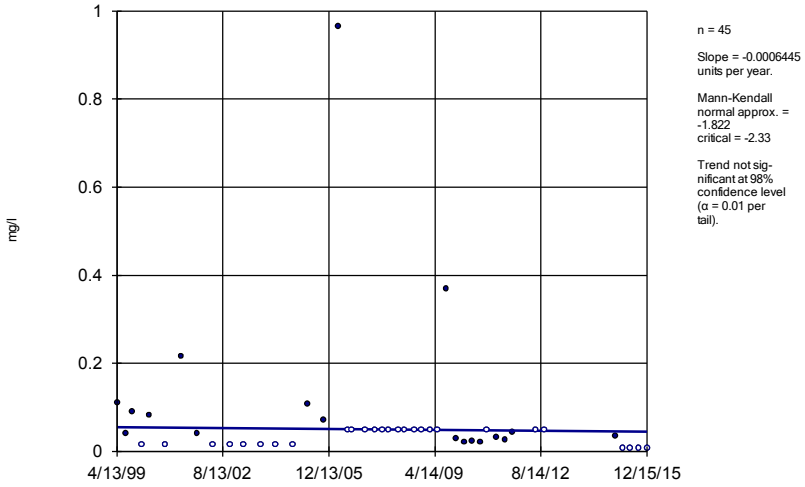
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-4



n = 45

Slope = -0.0006445 units per year.

Mann-Kendall normal approx. = -1.822
critical = -2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

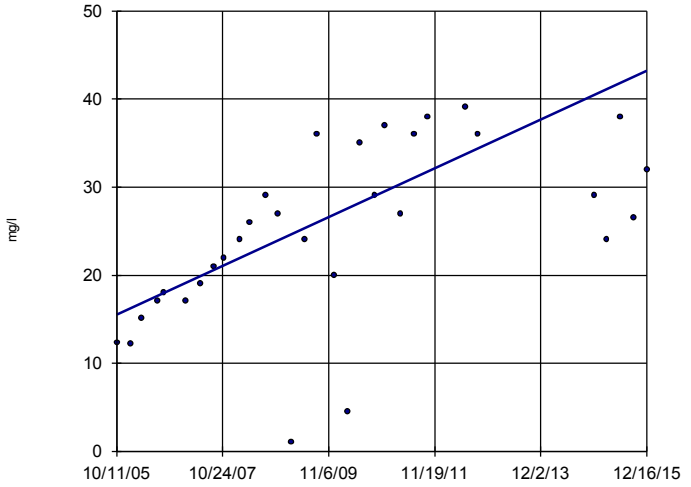
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

CAO-1



n = 31

Slope = 2.717 units per year.

Mann-Kendall statistic = 259
critical = 138

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

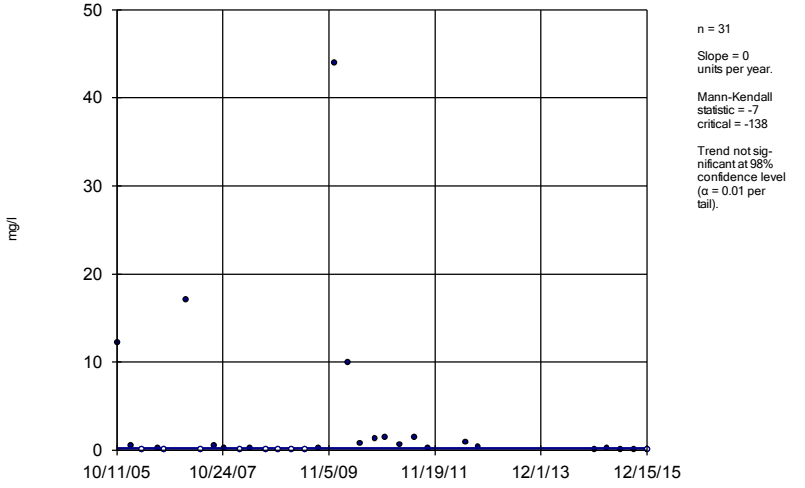
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-2



n = 31

Slope = 0 units per year.

Mann-Kendall statistic = -7
critical = -138

Trend not significant at 98% confidence level (α = 0.01 per tail).

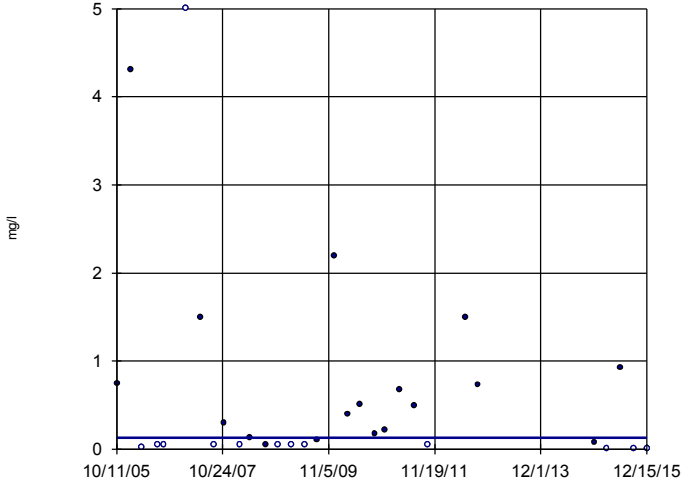
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-3



n = 31

Slope = 0 units per year.

Mann-Kendall statistic = -19
critical = -138

Trend not significant at 98% confidence level (α = 0.01 per tail).

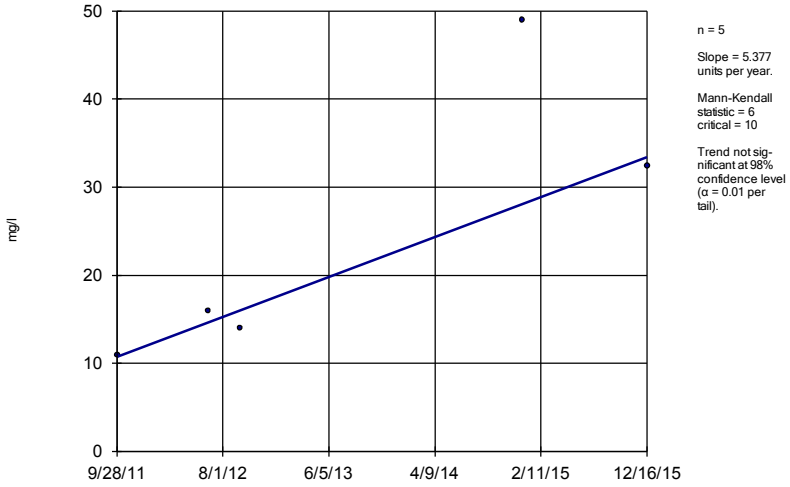
Constituent: Iron Analysis Run 2/2/2016 2:01 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

LEACHATE



n = 5

Slope = 5.377 units per year.

Mann-Kendall statistic = 6 critical = 10

Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Iron Analysis Run 2/2/2016 2:01 PM

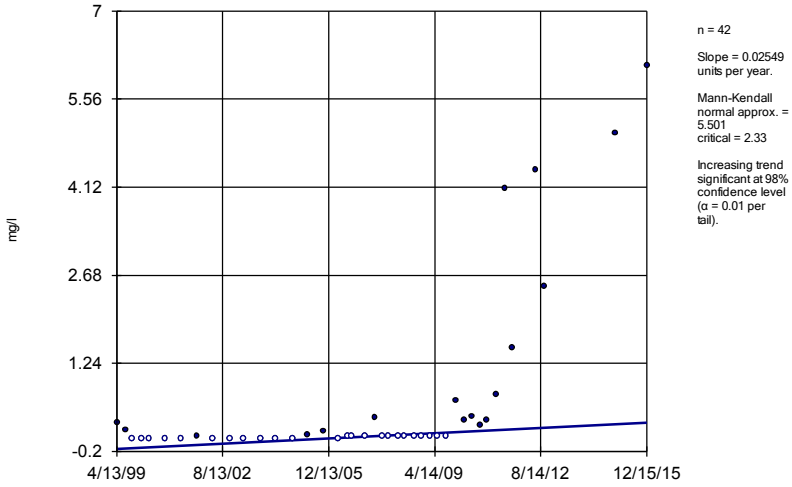
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1



n = 42

Slope = 0.02549 units per year.

Mann-Kendall normal approx. = 5.501 critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Iron Analysis Run 2/2/2016 2:01 PM

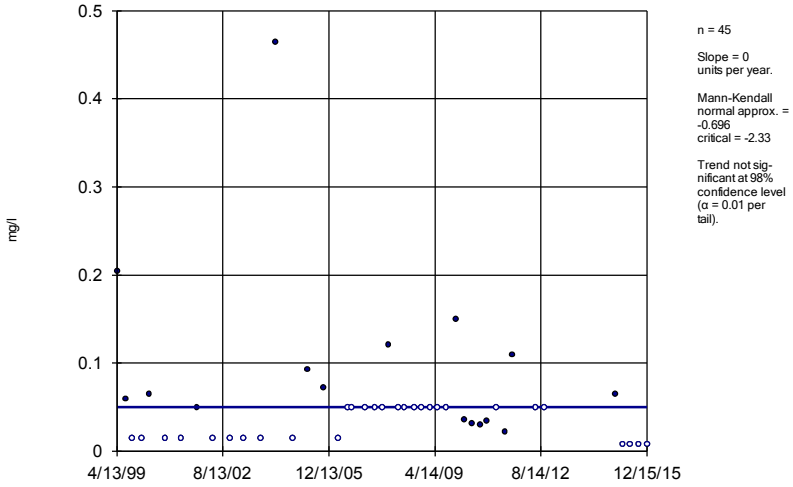
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-2



n = 45

Slope = 0 units per year.

Mann-Kendall normal approx. = -0.696 critical = -2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Iron Analysis Run 2/2/2016 2:01 PM

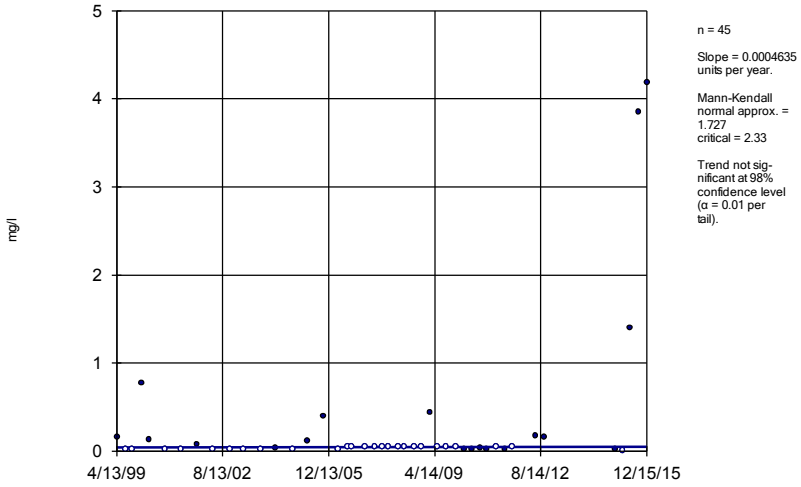
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-3



n = 45

Slope = 0.0004635 units per year.

Mann-Kendall normal approx. = 1.727 critical = 2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

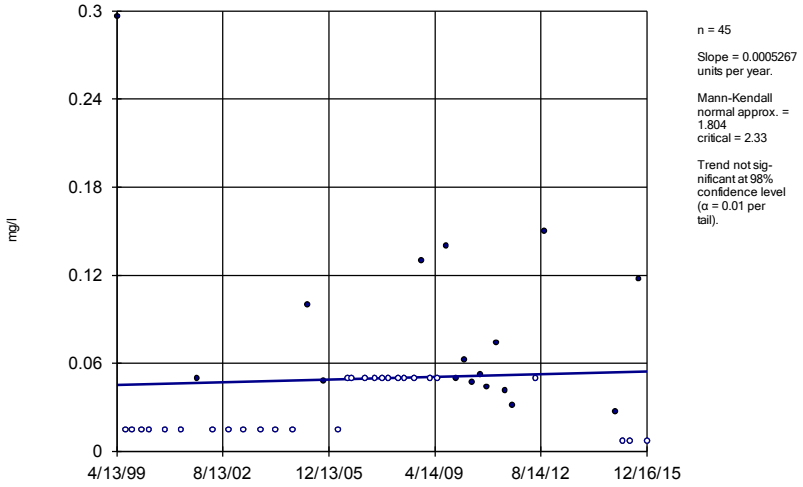
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-5



n = 45

Slope = 0.0005267 units per year.

Mann-Kendall normal approx. = 1.804 critical = 2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

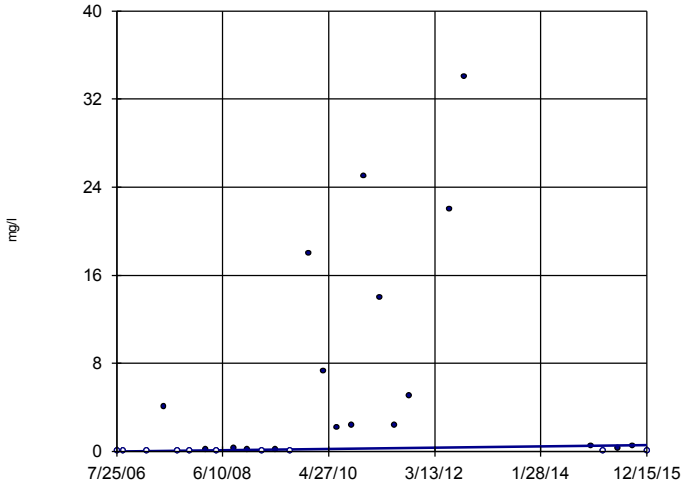
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-509D



n = 28

Slope = 0.06004 units per year.

Mann-Kendall statistic = 100 critical = 119

Trend not significant at 98% confidence level (α = 0.01 per tail).

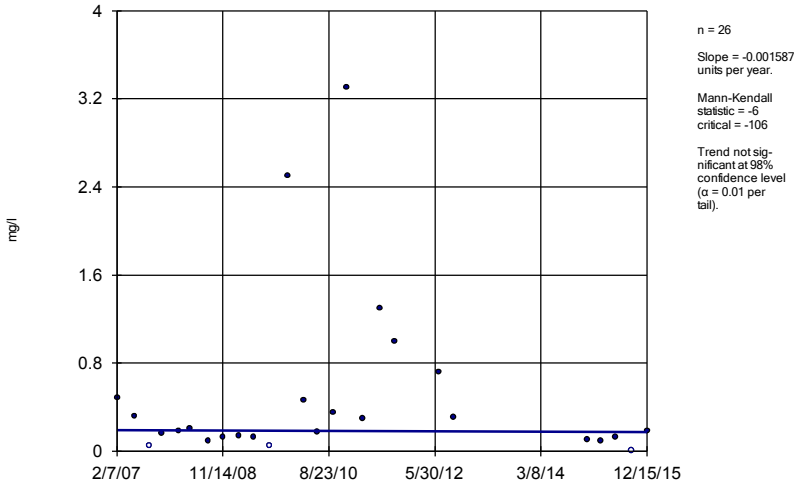
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-577



n = 26

Slope = -0.001587 units per year.

Mann-Kendall statistic = -6 critical = -106

Trend not significant at 98% confidence level (α = 0.01 per tail).

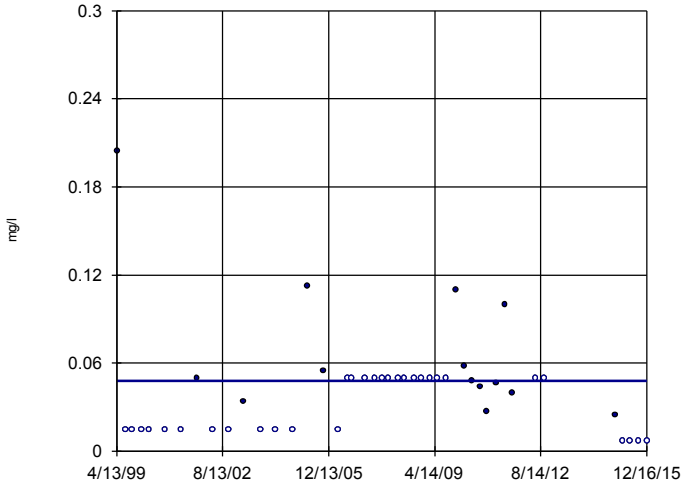
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-6



n = 45

Slope = 0 units per year.

Mann-Kendall normal approx. = 0.3141 critical = 2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

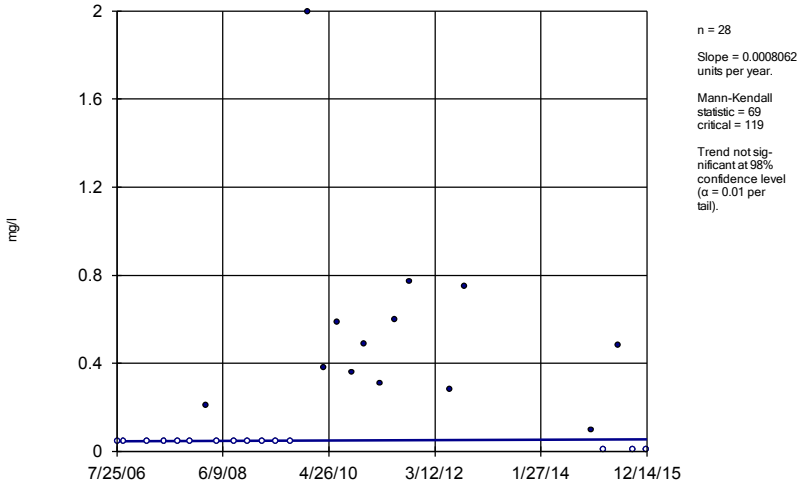
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-633D



n = 28

Slope = 0.0008062 units per year.

Mann-Kendall statistic = 69
critical = 119

Trend not significant at 98% confidence level (α = 0.01 per tail).

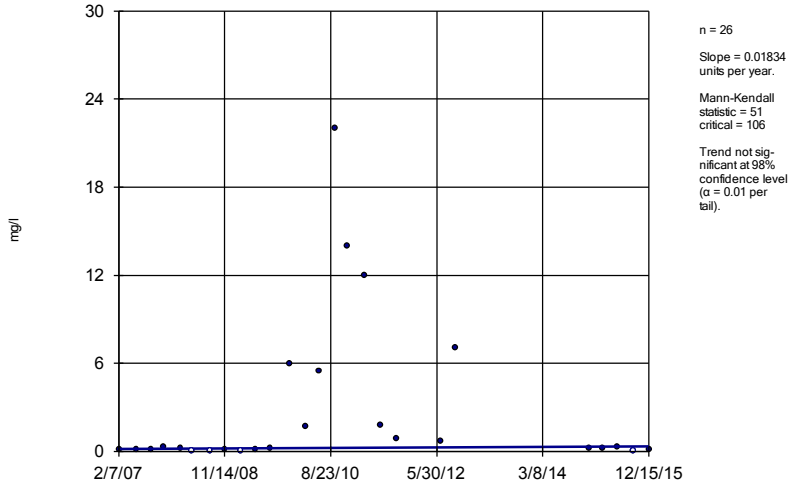
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-689D



n = 26

Slope = 0.01834 units per year.

Mann-Kendall statistic = 51
critical = 106

Trend not significant at 98% confidence level (α = 0.01 per tail).

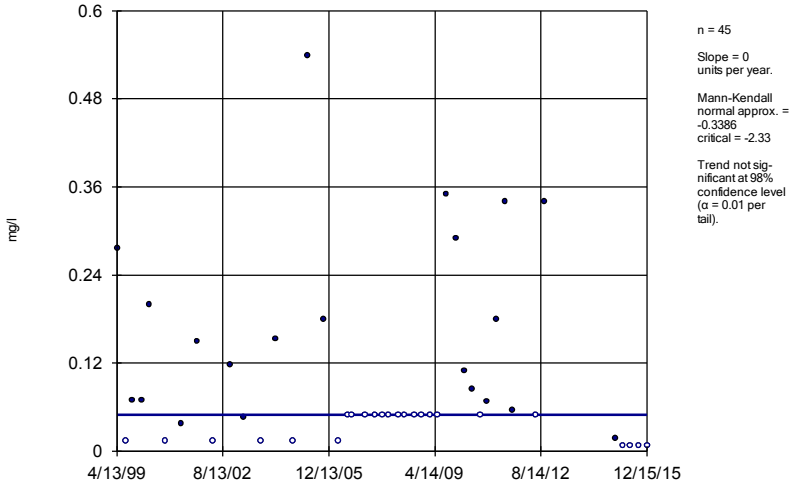
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-7



n = 45

Slope = 0 units per year.

Mann-Kendall normal approx. = -0.3386
critical = -2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

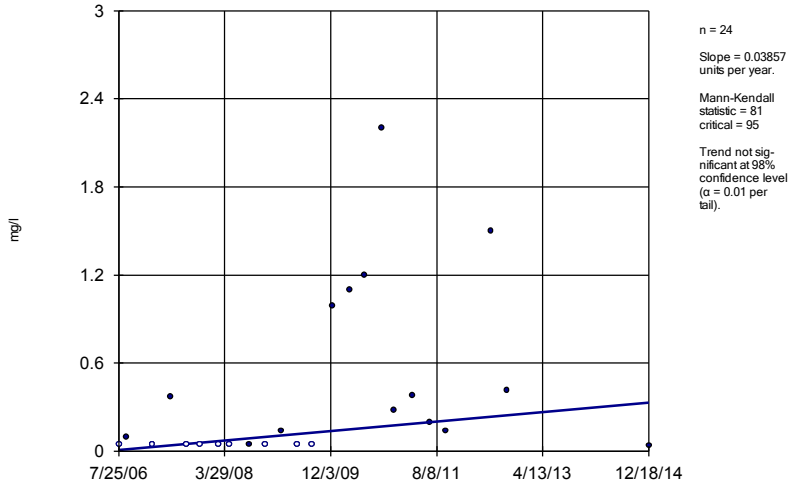
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-1



n = 24

Slope = 0.03857 units per year.

Mann-Kendall statistic = 81
critical = 95

Trend not significant at 98% confidence level (α = 0.01 per tail).

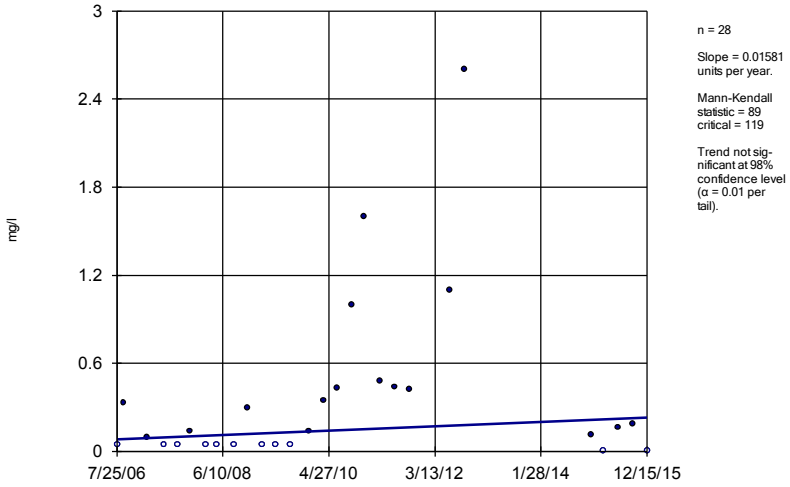
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-2



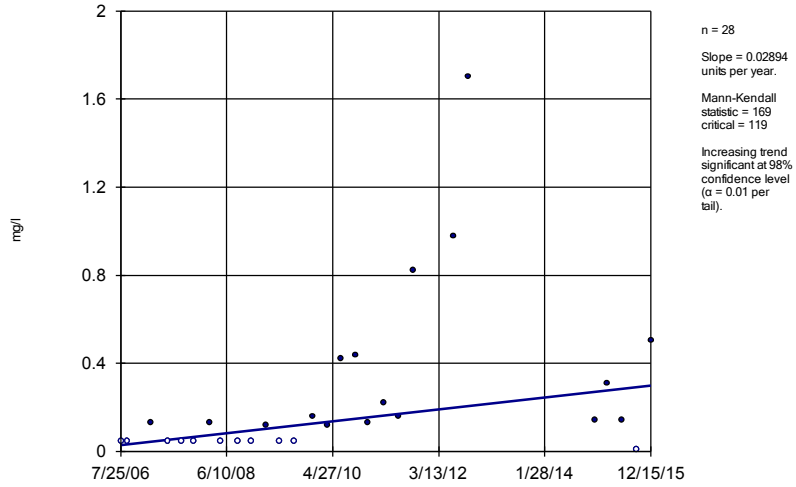
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-3



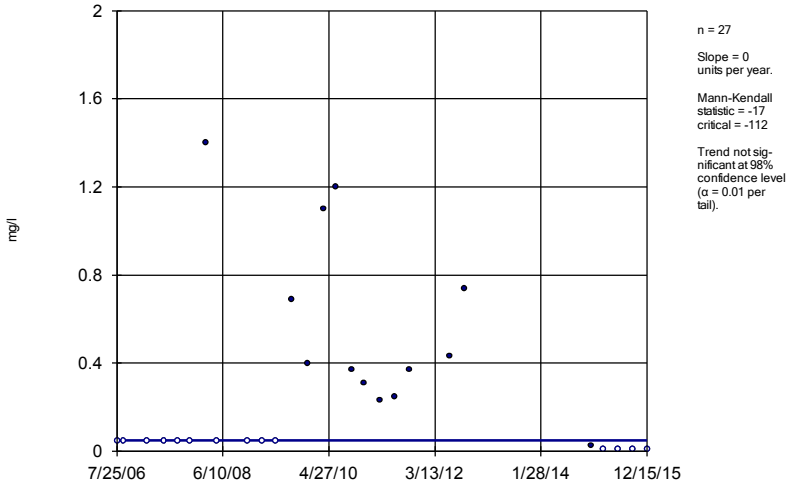
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-4



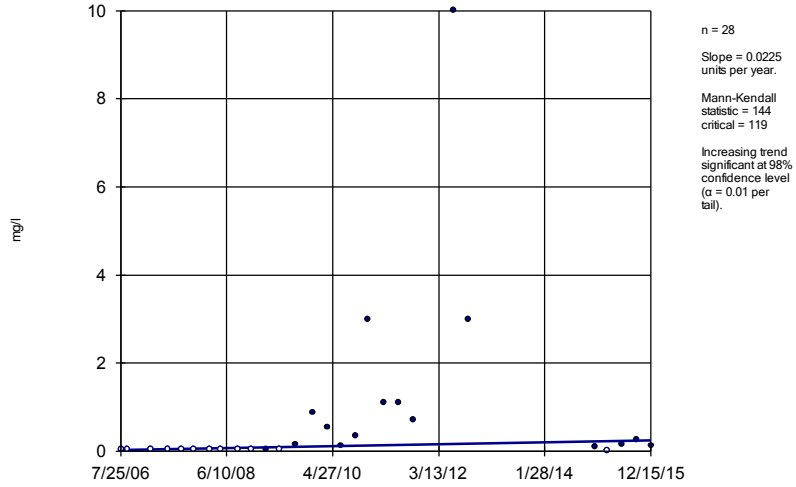
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-7



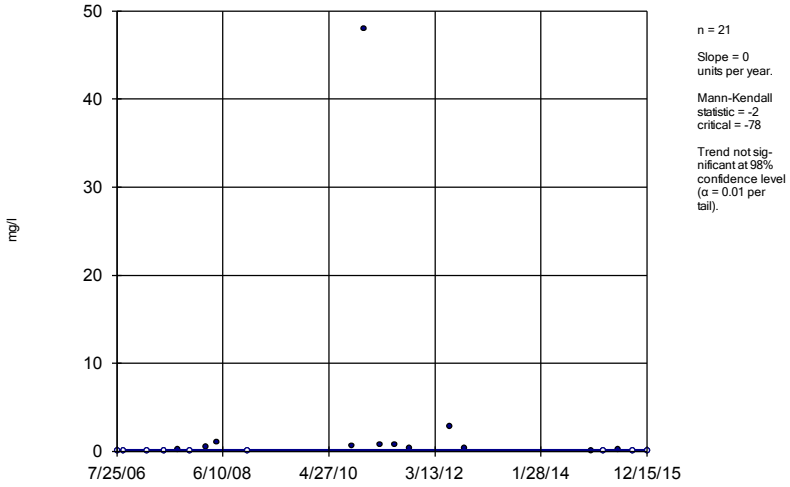
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-8

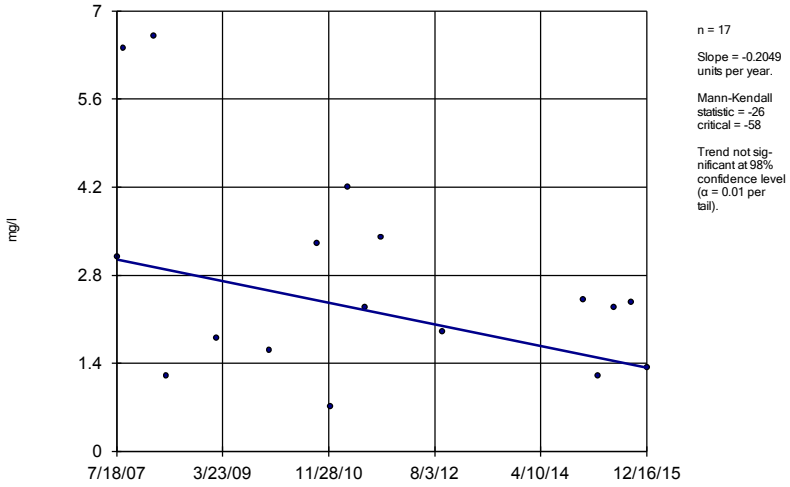


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Sen's Slope Estimator

SP-7

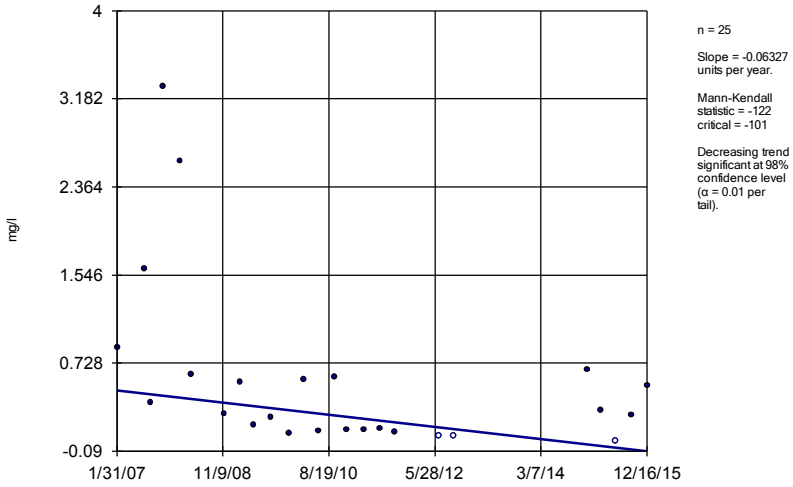


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Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGA

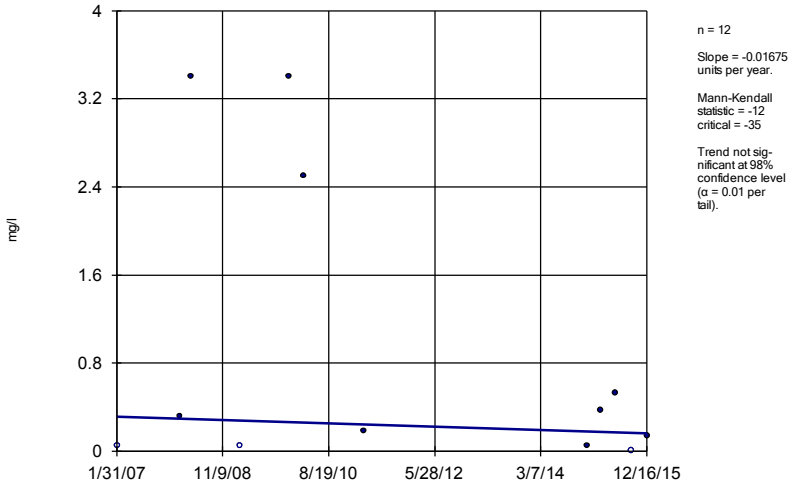


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Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGB

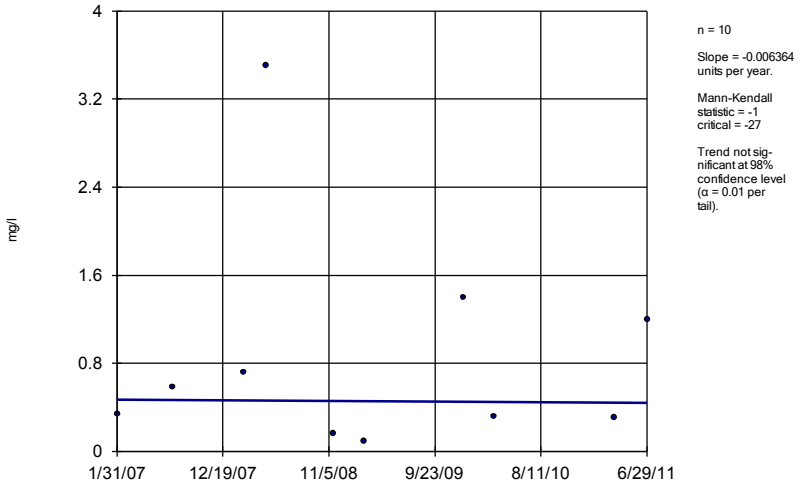


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Sen's Slope Estimator

TSP-1



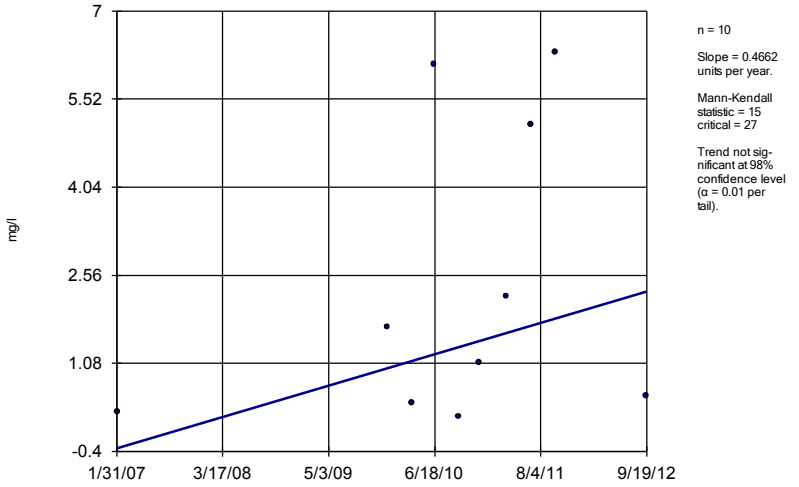
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

TSP-2



Constituent: Iron Analysis Run 2/2/2016 2:01 PM

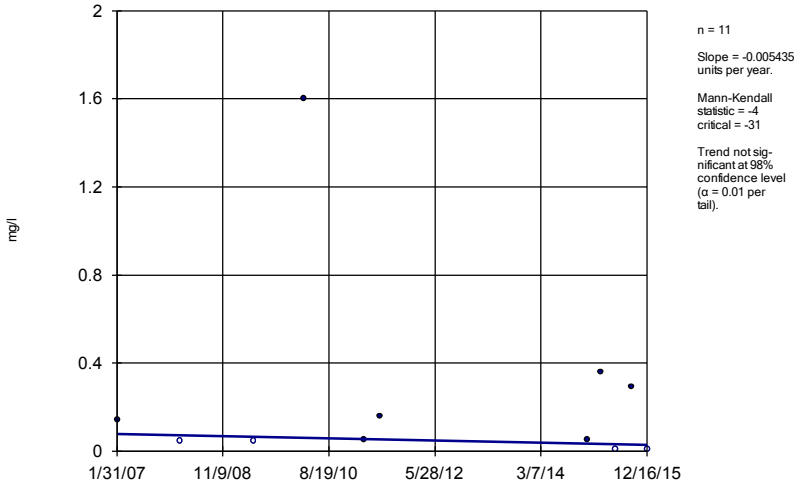
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Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-3



Constituent: Iron Analysis Run 2/2/2016 2:01 PM

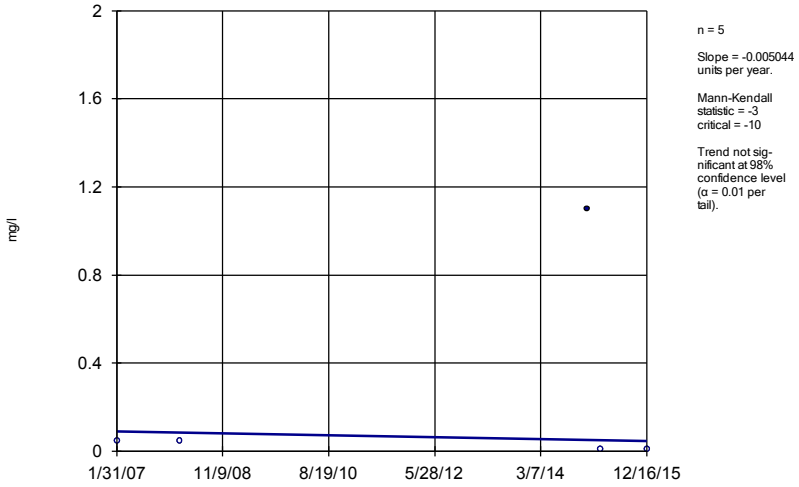
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Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-4



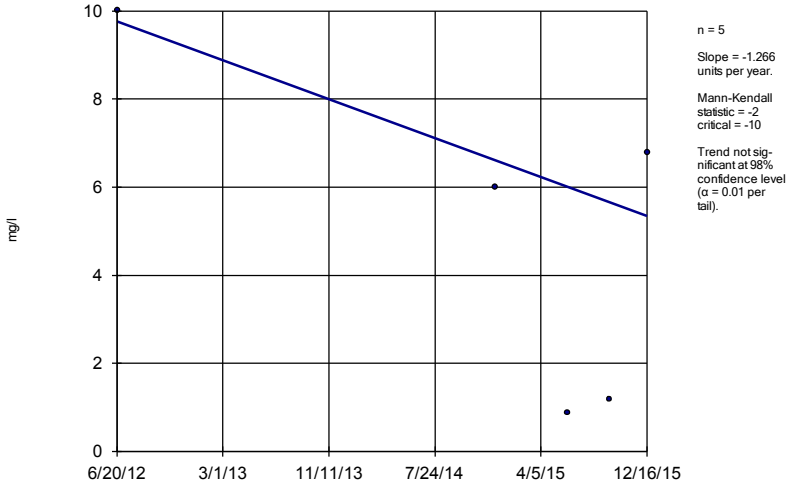
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

LFENTRANCESEEP



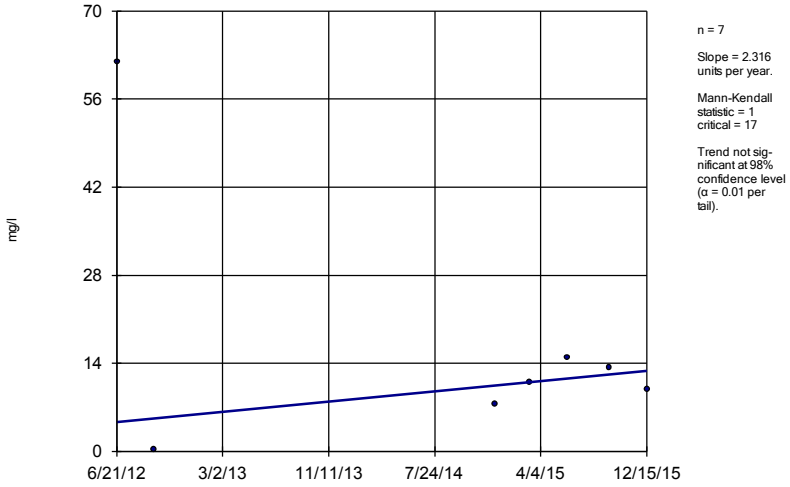
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Sen's Slope Estimator

MW-1R



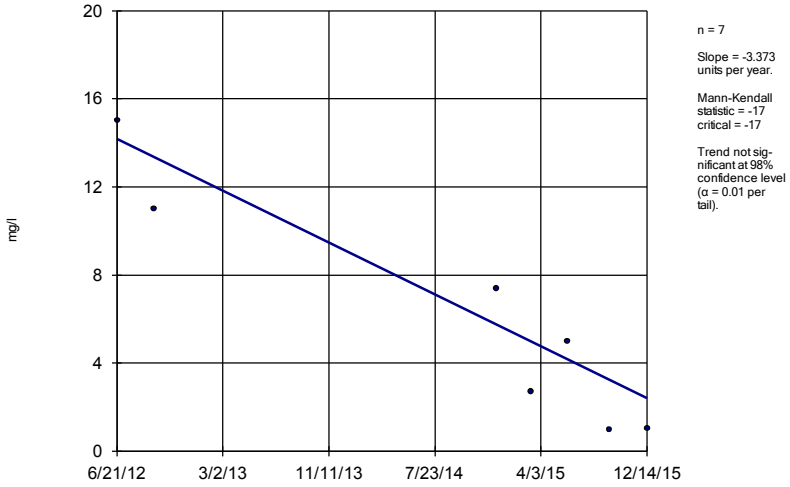
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NE-2



Constituent: Iron Analysis Run 2/2/2016 2:01 PM

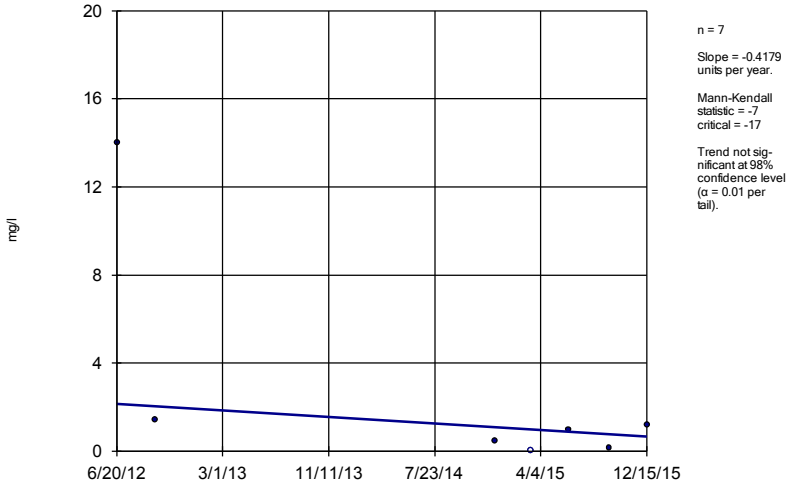
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Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-3



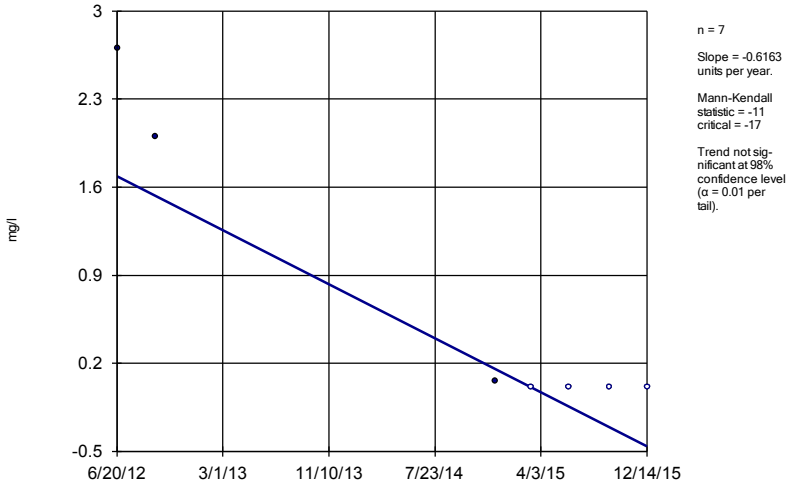
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-6



n = 7

Slope = -0.6163 units per year.

Mann-Kendall statistic = -11
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

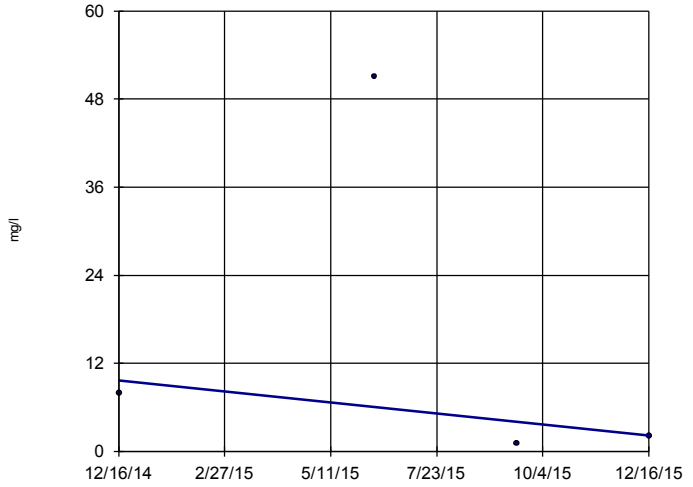
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

CLASSIDRAW



n = 4

Slope = -7.537 units per year.

Mann-Kendall statistic = -2
critical = -8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

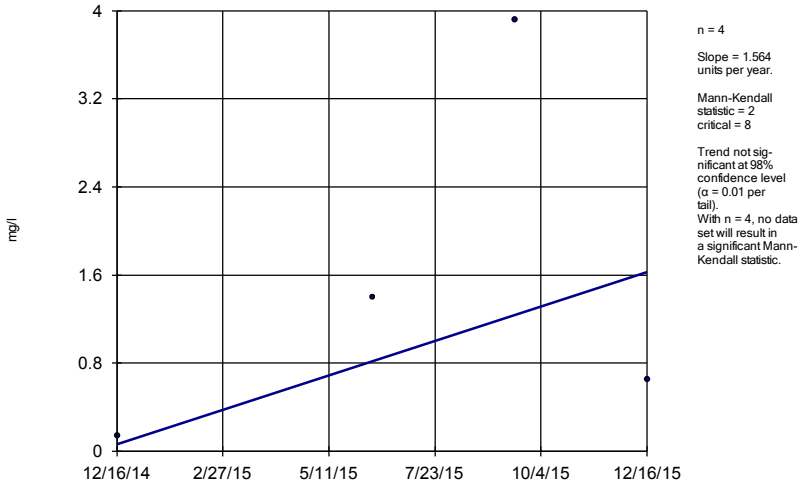
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

CLASSIVDRAW



n = 4

Slope = 1.564 units per year.

Mann-Kendall statistic = 2
critical = 8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

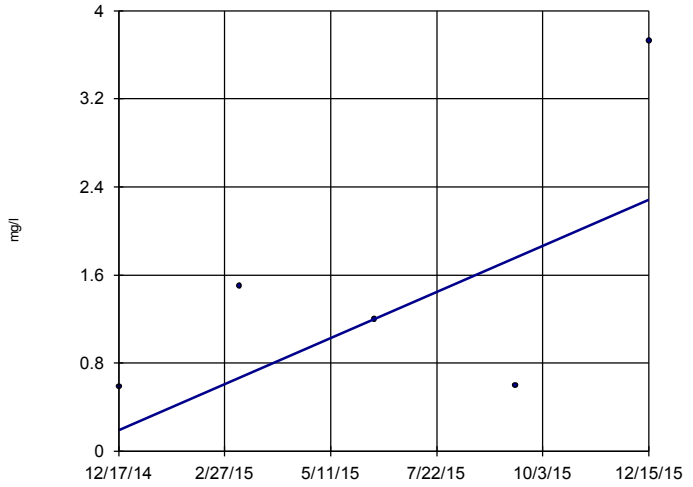
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

SP-NE-3



n = 5

Slope = 2.1 units per year.

Mann-Kendall statistic = 4
critical = 10

Trend not significant at 98% confidence level (α = 0.01 per tail).

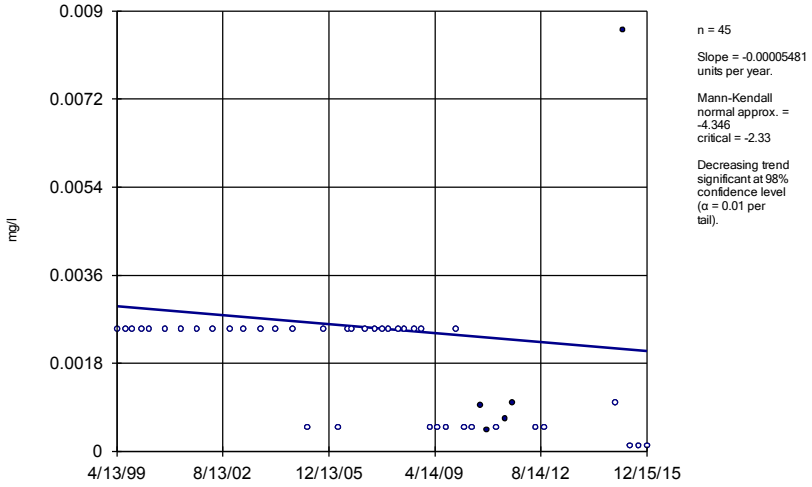
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-4



n = 45

Slope = -0.00005481 units per year.

Mann-Kendall normal approx. = -4.346
critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

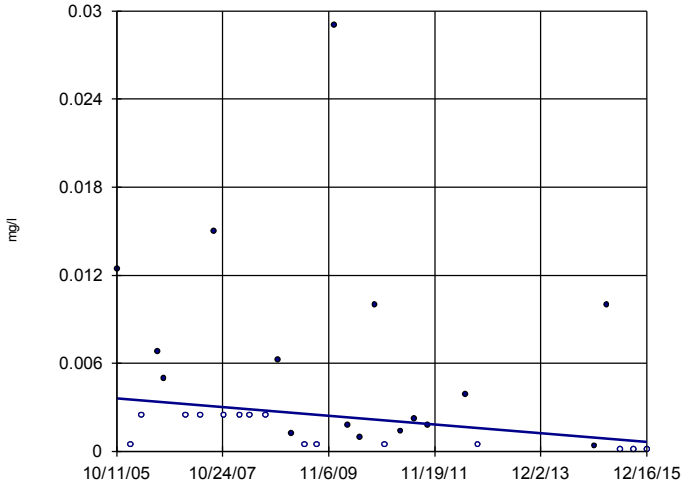
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-1



n = 31

Slope = -0.00029 units per year.

Mann-Kendall statistic = -173
critical = -138

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

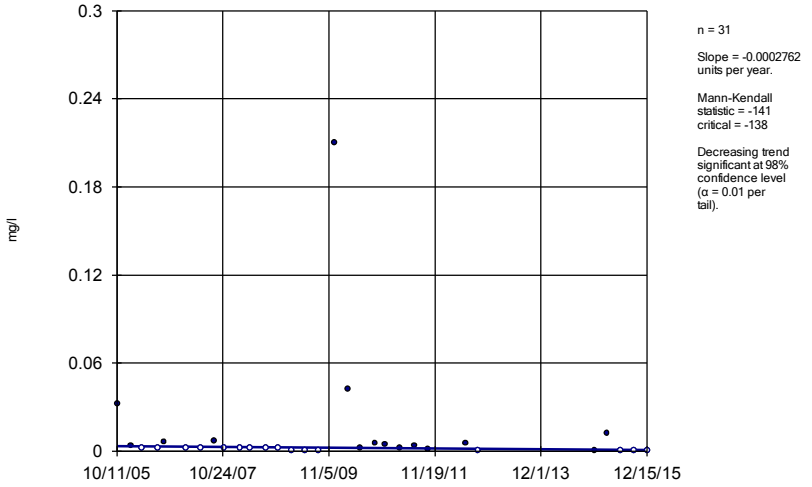
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-2



n = 31

Slope = -0.0002762 units per year.

Mann-Kendall statistic = -141
critical = -138

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

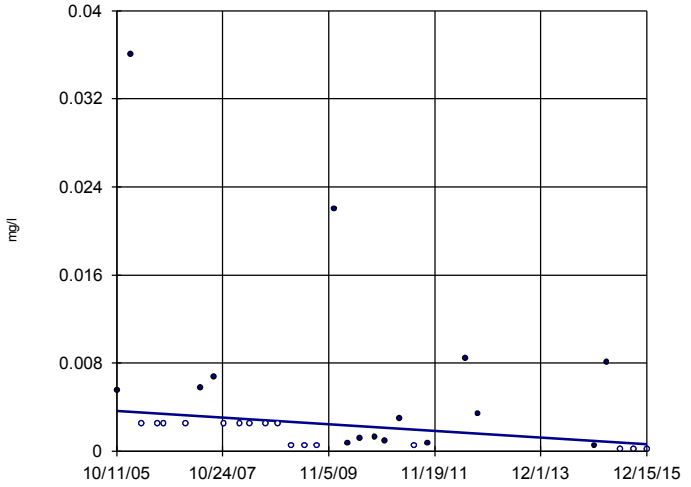
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-3



n = 31

Slope = -0.0002965 units per year.

Mann-Kendall statistic = -164
critical = -138

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

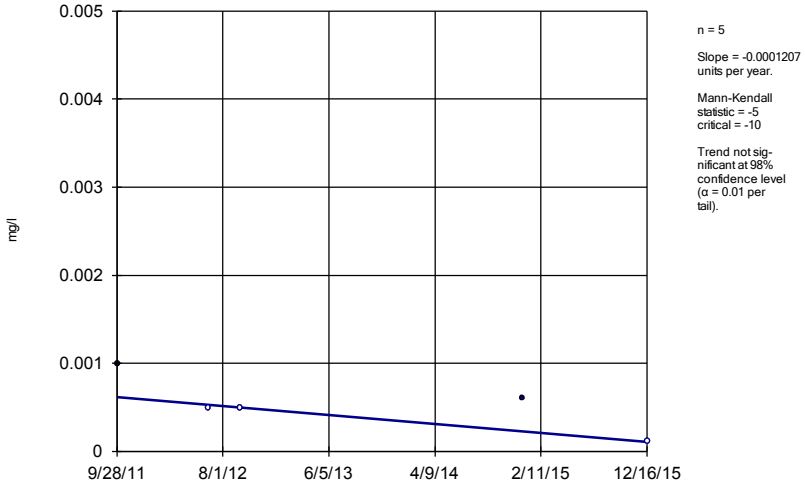
Constituent: Lead Analysis Run 2/2/2016 2:01 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

LEACHATE



n = 5

Slope = -0.0001207 units per year.

Mann-Kendall statistic = -5
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

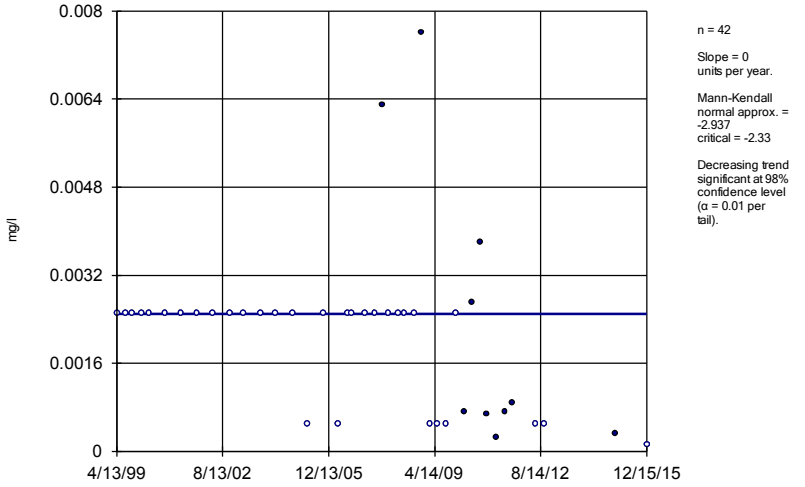
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1



n = 42

Slope = 0 units per year.

Mann-Kendall normal approx. = -2.937
critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

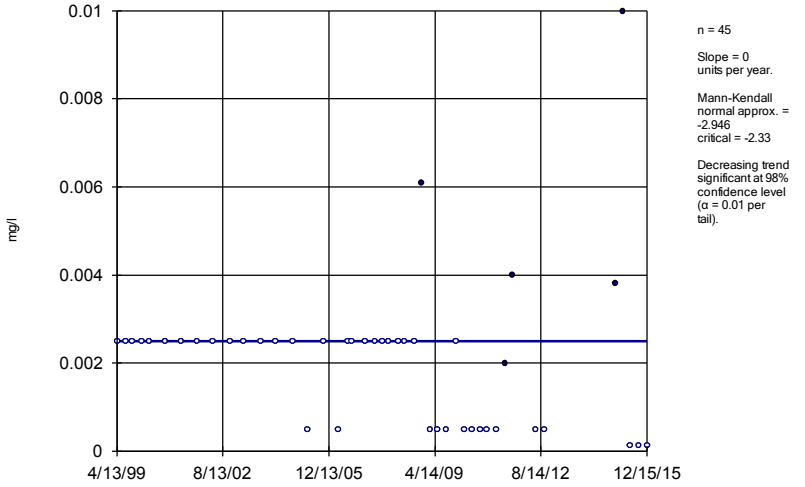
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-2



n = 45

Slope = 0 units per year.

Mann-Kendall normal approx. = -2.946
critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

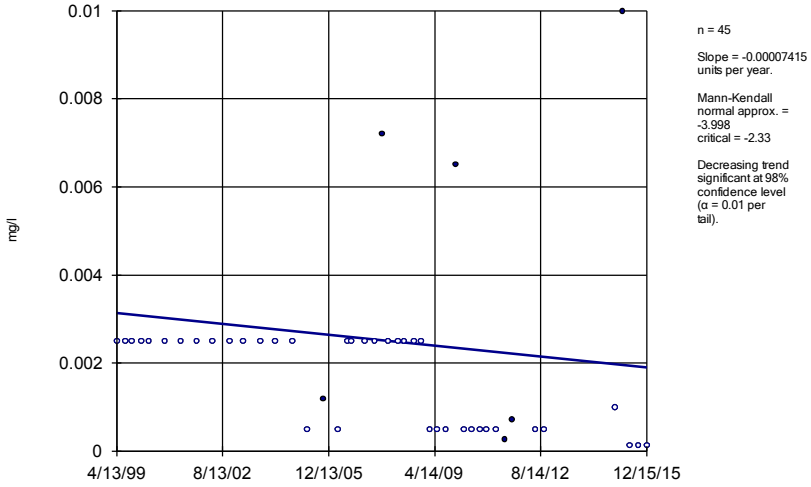
Constituent: Lead Analysis Run 2/2/2016 2:02 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-3



n = 45

Slope = -0.00007415 units per year.

Mann-Kendall normal approx. = -3.998
critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

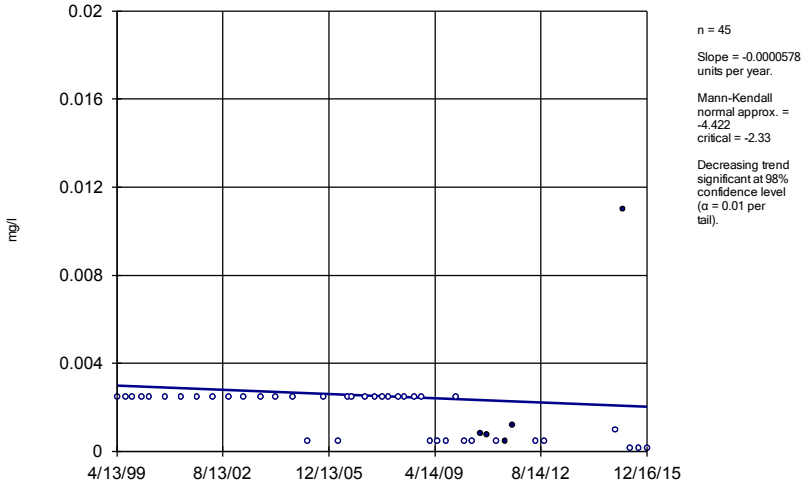
Constituent: Lead Analysis Run 2/2/2016 2:02 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-5



n = 45

Slope = -0.0000578 units per year.

Mann-Kendall normal approx. = -4.422
critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

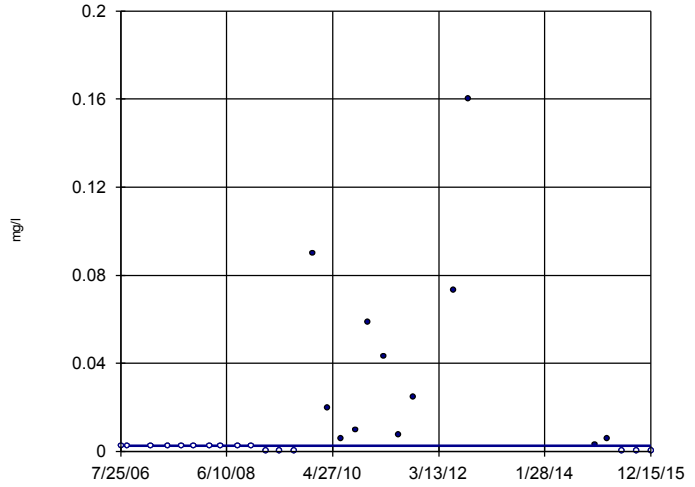
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-509D



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = 45
critical = 119

Trend not significant at 98% confidence level (α = 0.01 per tail).

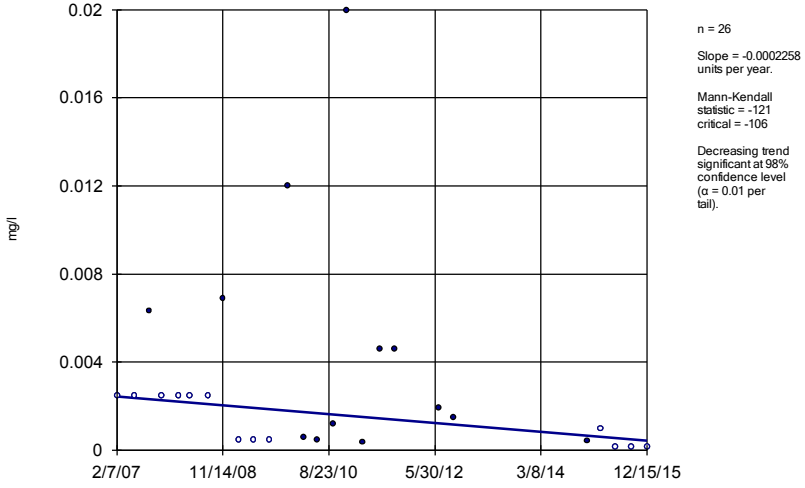
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-577



n = 26

Slope = -0.0002258 units per year.

Mann-Kendall statistic = -121
critical = -106

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

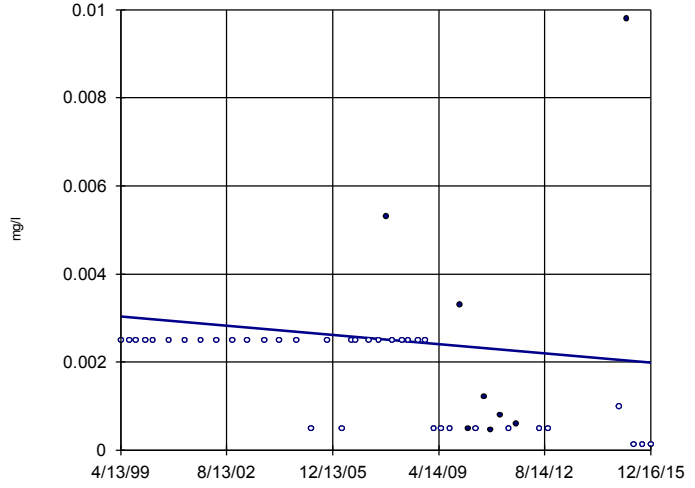
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-6



n = 45

Slope = -0.00006265 units per year.

Mann-Kendall normal approx. = -3.917
critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

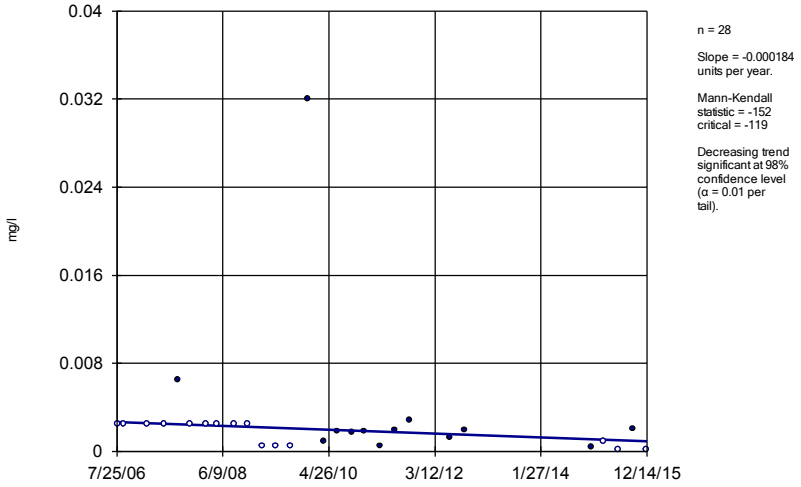
Constituent: Lead Analysis Run 2/2/2016 2:02 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-633D



n = 28

Slope = -0.000184 units per year.

Mann-Kendall statistic = -152
critical = -119

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

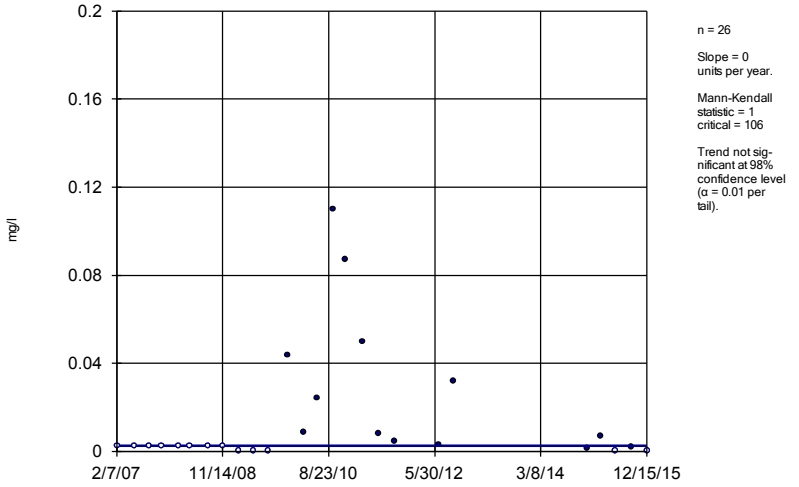
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-689D



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = 1
critical = 106

Trend not significant at 98% confidence level (α = 0.01 per tail).

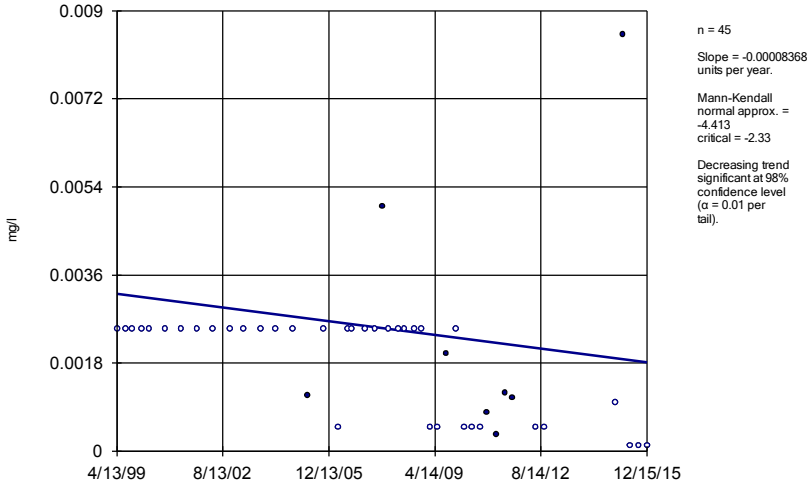
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-7



n = 45

Slope = -0.00008368 units per year.

Mann-Kendall normal approx. = -4.413
critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

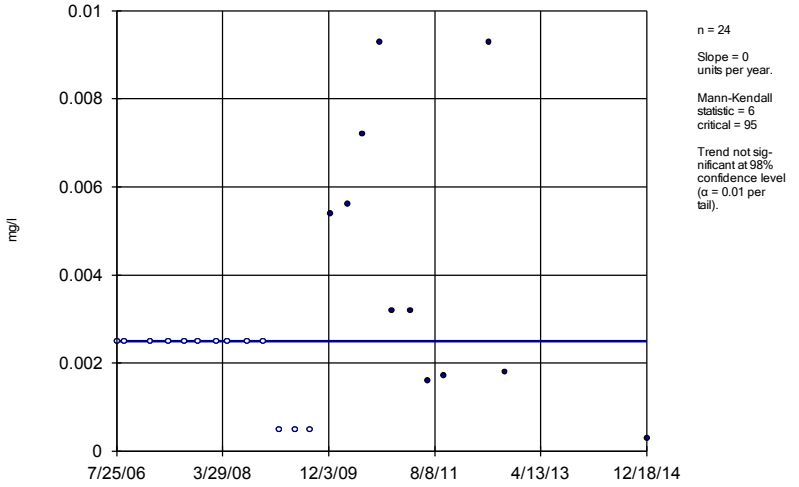
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-1



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 6
critical = 95

Trend not significant at 98% confidence level (α = 0.01 per tail).

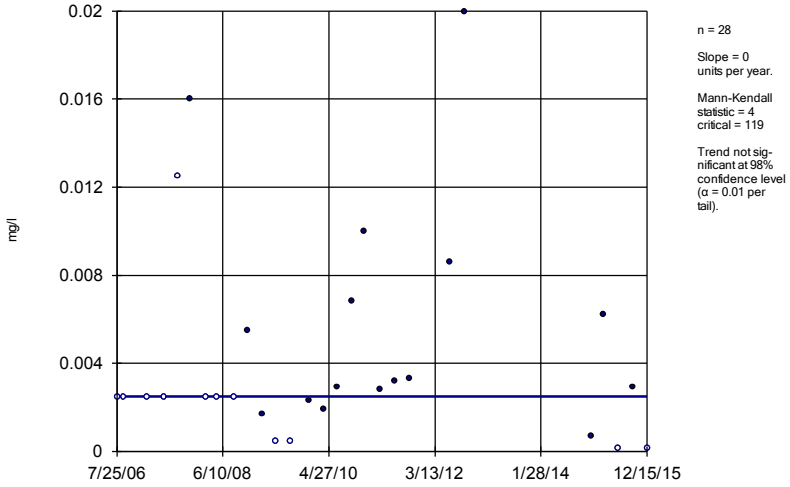
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-2



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = 4
critical = 119

Trend not significant at 98% confidence level (α = 0.01 per tail).

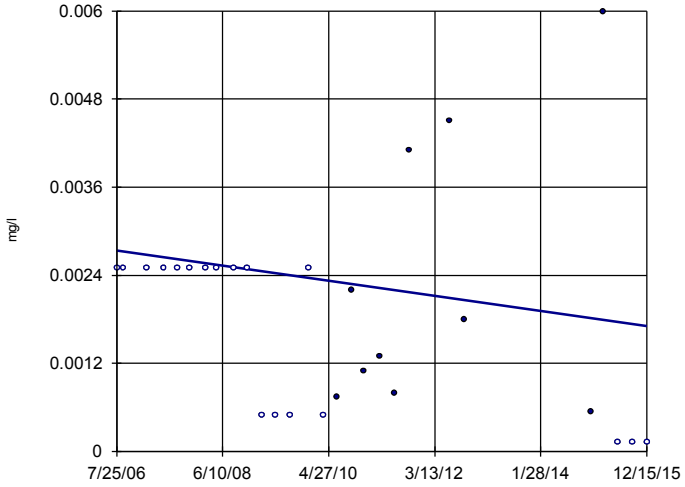
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-3



n = 28

Slope = -0.0001089 units per year.

Mann-Kendall statistic = -104
critical = -119

Trend not significant at 98% confidence level (α = 0.01 per tail).

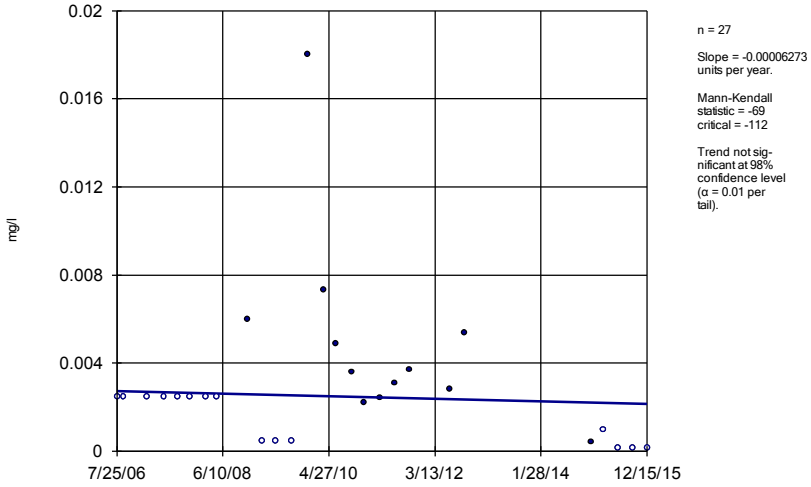
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-4



n = 27

Slope = -0.00006273 units per year.

Mann-Kendall statistic = -69
critical = -112

Trend not significant at 98% confidence level (α = 0.01 per tail).

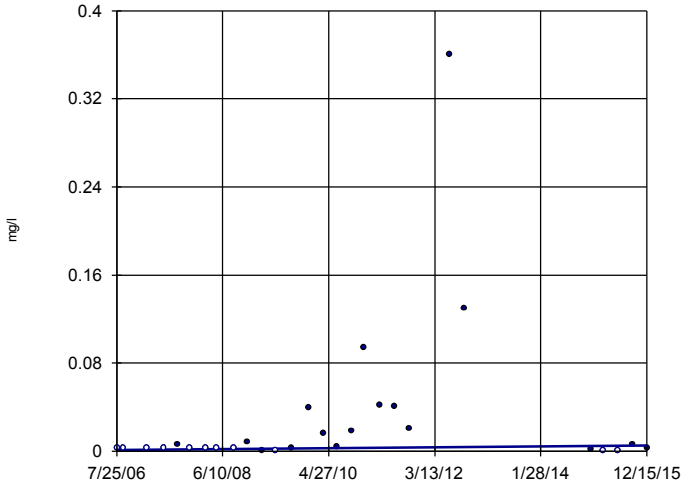
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-7



n = 28

Slope = 0.0003935 units per year.

Mann-Kendall statistic = 64
critical = 119

Trend not significant at 98% confidence level (α = 0.01 per tail).

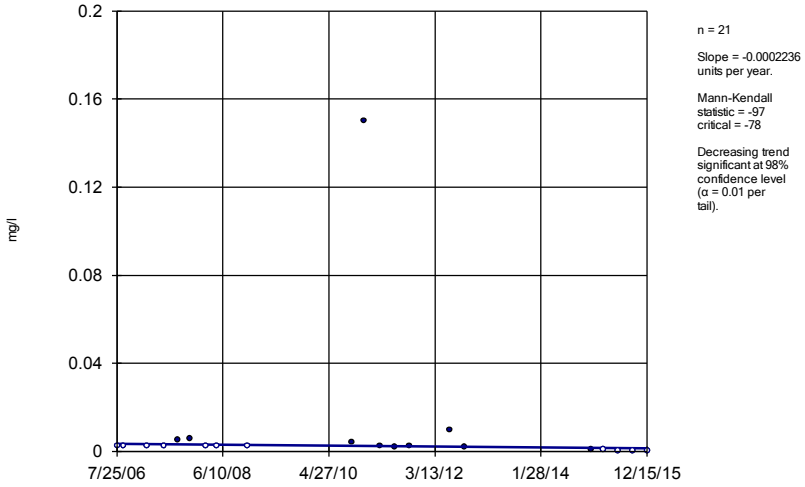
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-8



n = 21

Slope = -0.0002236 units per year.

Mann-Kendall statistic = -97
critical = -78

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

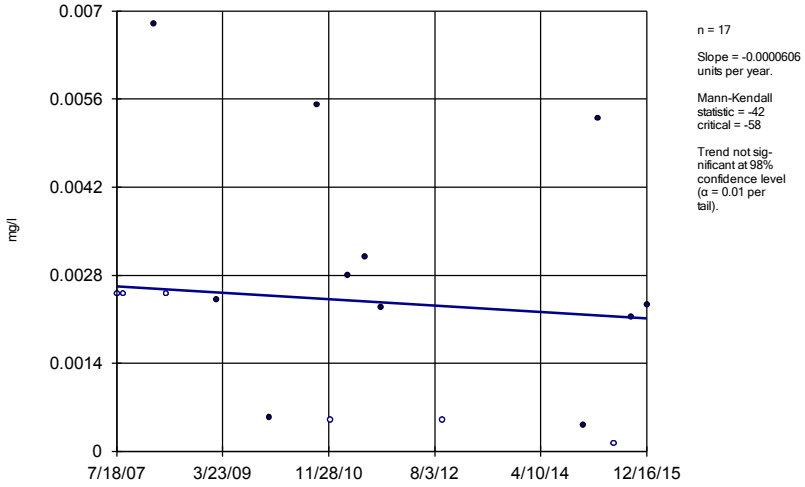
Constituent: Lead Analysis Run 2/2/2016 2:02 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-7



n = 17

Slope = -0.0000606 units per year.

Mann-Kendall statistic = -42
critical = -58

Trend not significant at 98% confidence level (α = 0.01 per tail).

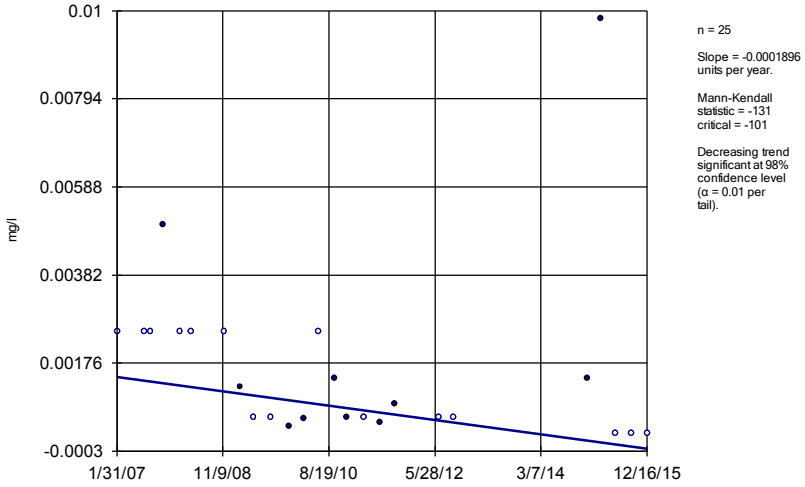
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGA



n = 25

Slope = -0.0001896 units per year.

Mann-Kendall statistic = -131
critical = -101

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

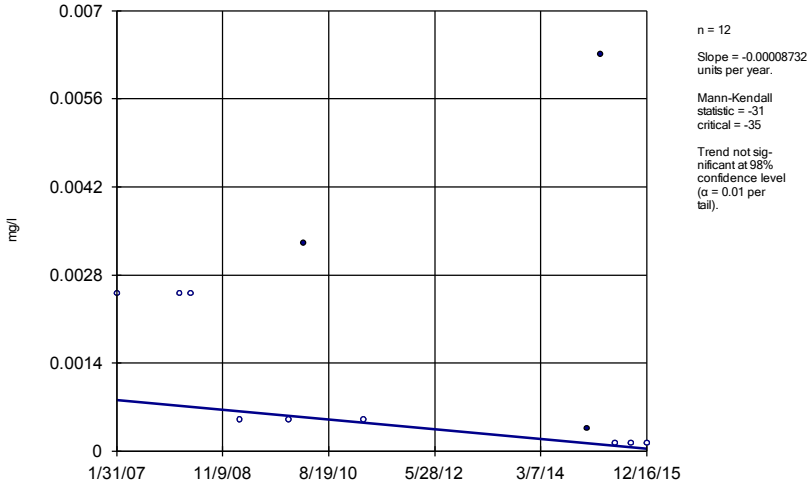
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGB



n = 12

Slope = -0.00008732 units per year.

Mann-Kendall statistic = -31
critical = -35

Trend not significant at 98% confidence level (α = 0.01 per tail).

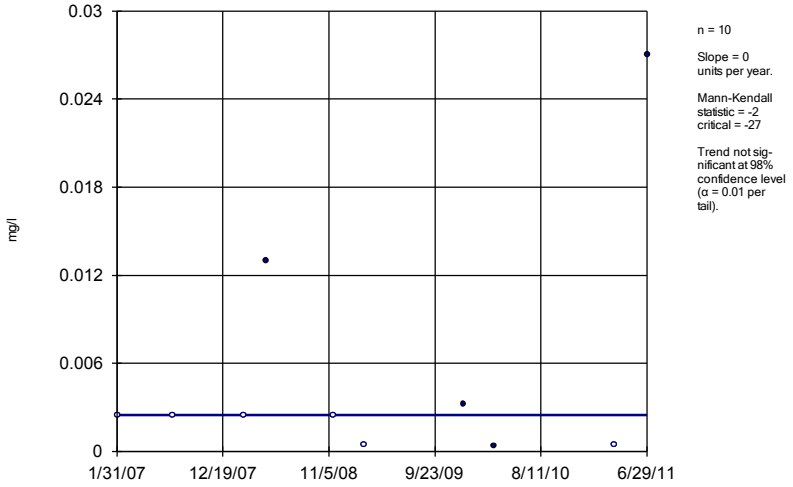
Constituent: Lead Analysis Run 2/2/2016 2:02 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-1



n = 10

Slope = 0 units per year.

Mann-Kendall statistic = -2
critical = -27

Trend not significant at 98% confidence level (α = 0.01 per tail).

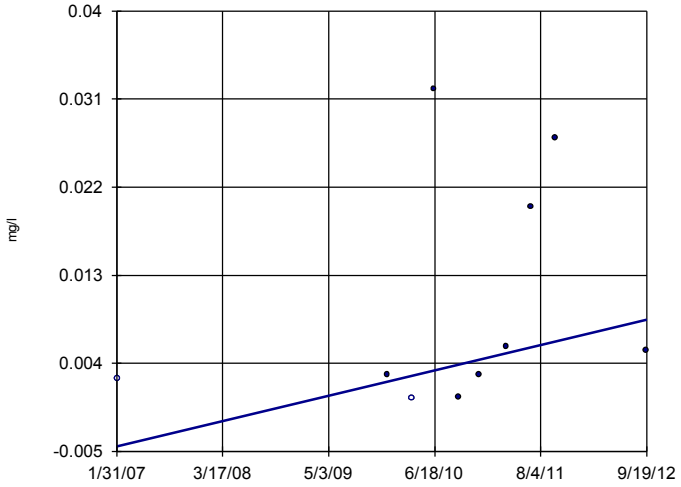
Constituent: Lead Analysis Run 2/2/2016 2:02 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-2



n = 10

Slope = 0.002296 units per year.

Mann-Kendall statistic = 18
critical = 27

Trend not significant at 98% confidence level (α = 0.01 per tail).

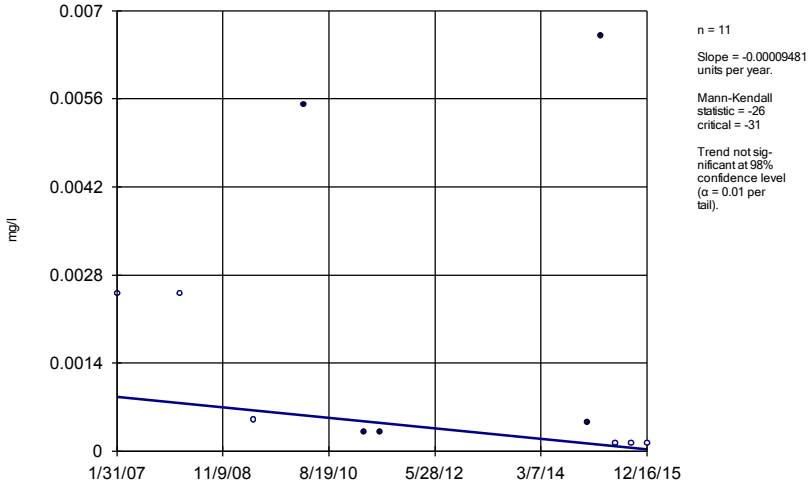
Constituent: Lead Analysis Run 2/2/2016 2:02 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-3



n = 11

Slope = -0.00009481 units per year.

Mann-Kendall statistic = -26
critical = -31

Trend not significant at 98% confidence level (α = 0.01 per tail).

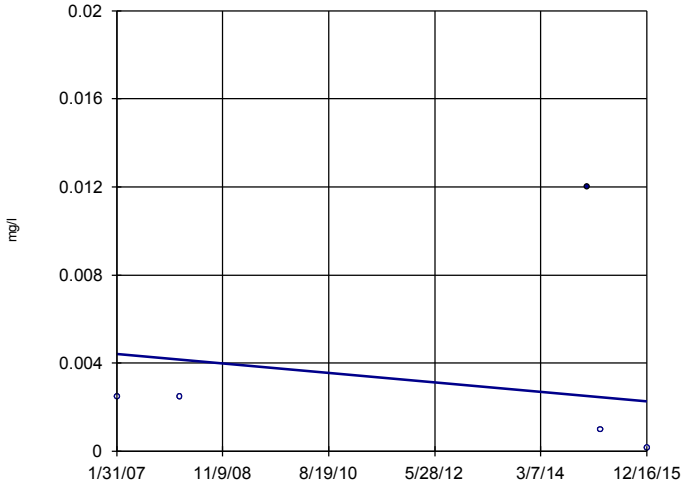
Constituent: Lead Analysis Run 2/2/2016 2:02 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-4



n = 5

Slope = -0.000244 units per year.

Mann-Kendall statistic = -5
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

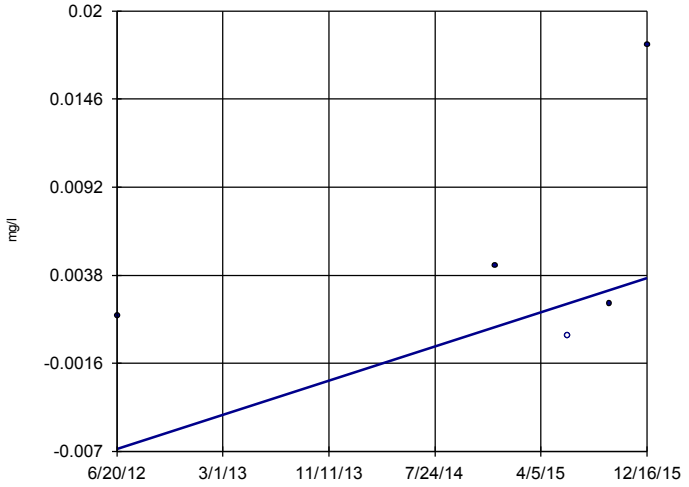
Constituent: Lead Analysis Run 2/2/2016 2:02 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

LFENTRANCESEEP



n = 5

Slope = 0.003 units per year.

Mann-Kendall statistic = 4
critical = 10

Trend not significant at 98% confidence level (α = 0.01 per tail).

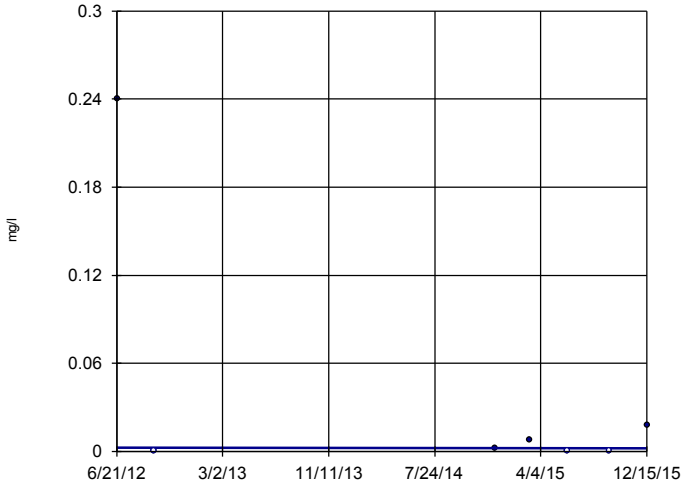
Constituent: Lead Analysis Run 2/2/2016 2:02 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1R



n = 7

Slope = -0.00014 units per year.

Mann-Kendall statistic = -4
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

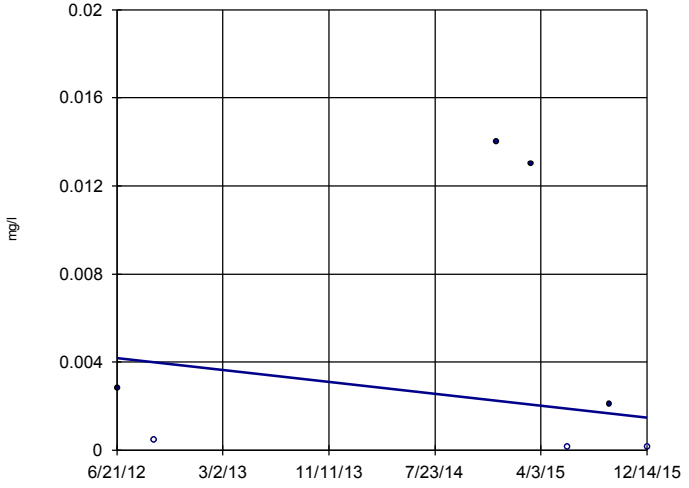
Constituent: Lead Analysis Run 2/2/2016 2:02 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-2



n = 7

Slope = -0.0007696 units per year.

Mann-Kendall statistic = -8
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

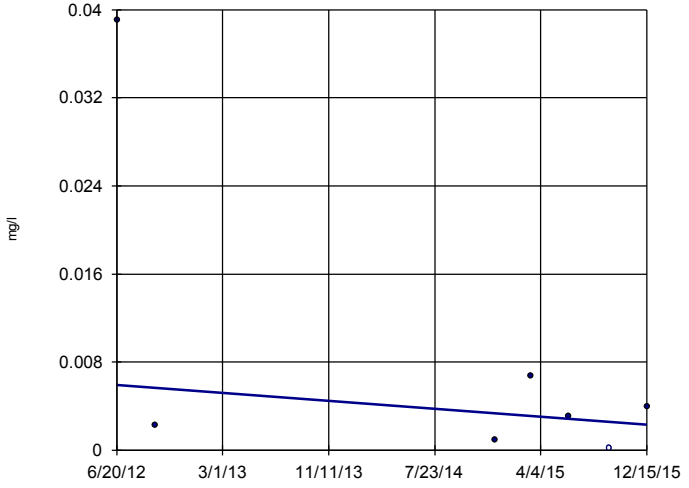
Constituent: Lead Analysis Run 2/2/2016 2:02 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-3



n = 7

Slope = -0.001043 units per year.

Mann-Kendall statistic = -5
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

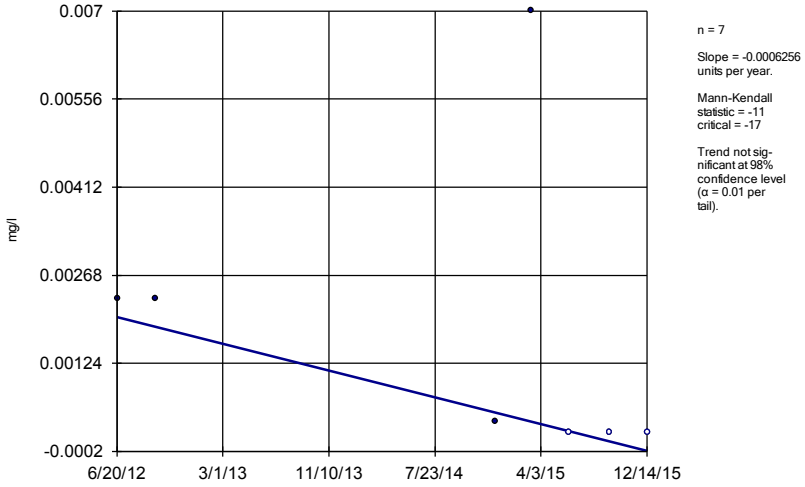
Constituent: Lead Analysis Run 2/2/2016 2:02 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-6



n = 7

Slope = -0.0006256 units per year.

Mann-Kendall statistic = -11
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

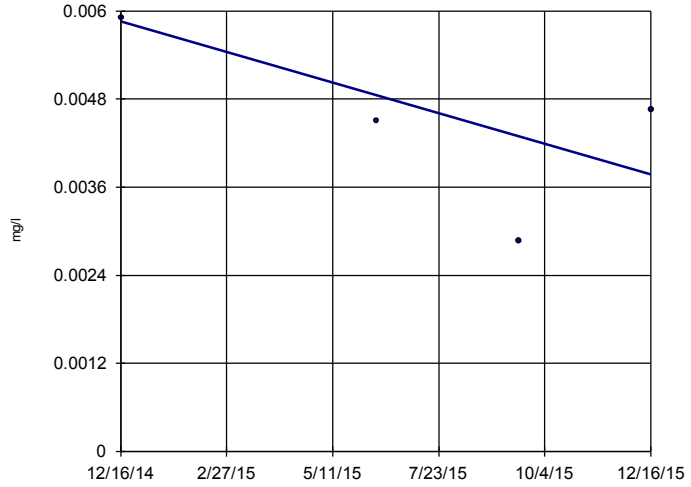
Constituent: Lead Analysis Run 2/2/2016 2:02 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

CLASSIDRAW



n = 4

Slope = -0.002077 units per year.

Mann-Kendall statistic = -2
critical = -8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

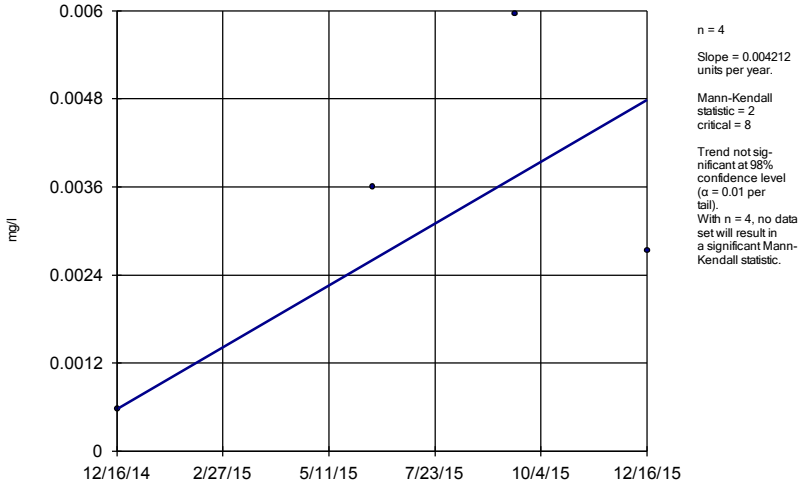
Constituent: Lead Analysis Run 2/2/2016 2:02 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

CLASSIVDRAW



n = 4

Slope = 0.004212 units per year.

Mann-Kendall statistic = 2
critical = 8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

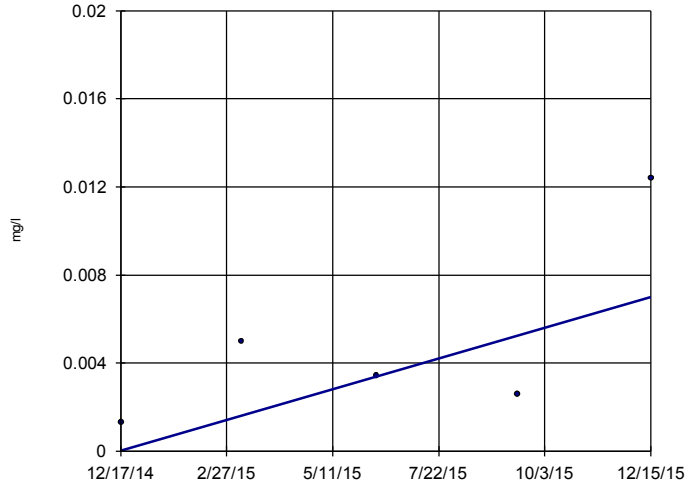
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

SP-NE-3



n = 5

Slope = 0.007013 units per year.

Mann-Kendall statistic = 4
critical = 10

Trend not significant at 98% confidence level (α = 0.01 per tail).

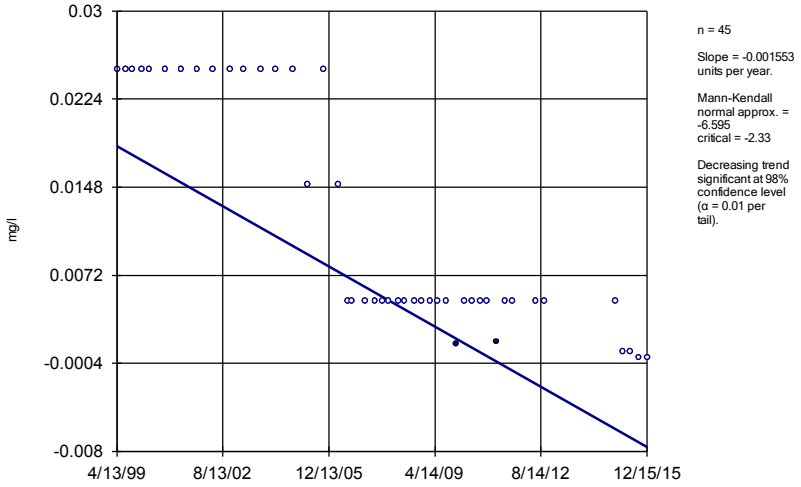
Constituent: Lead Analysis Run 2/2/2016 2:02 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-4



n = 45

Slope = -0.001553 units per year.

Mann-Kendall normal approx. = -6.595
critical = -2.33

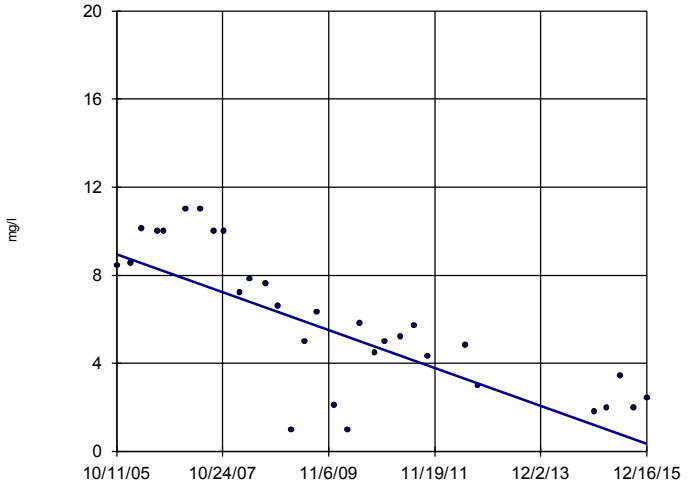
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Manganese Analysis Run 2/2/2016 2:02 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

CAO-1



n = 31

Slope = -0.8444 units per year.

Mann-Kendall statistic = -292
critical = -138

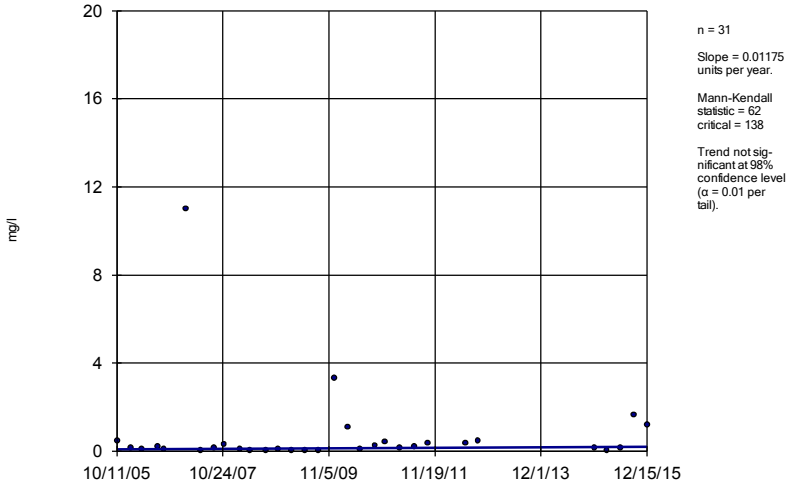
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Manganese Analysis Run 2/2/2016 2:02 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

CAO-2



n = 31

Slope = 0.01175 units per year.

Mann-Kendall statistic = 62
critical = 138

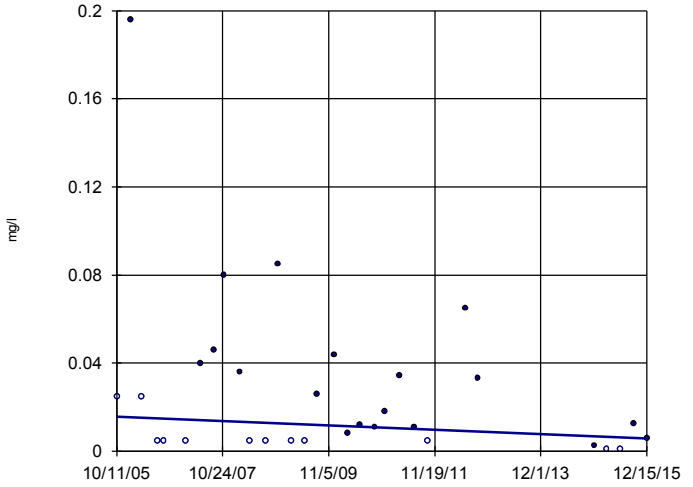
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Manganese Analysis Run 2/2/2016 2:02 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

CAO-3



n = 31

Slope = -0.0009707 units per year.

Mann-Kendall statistic = -86
critical = -138

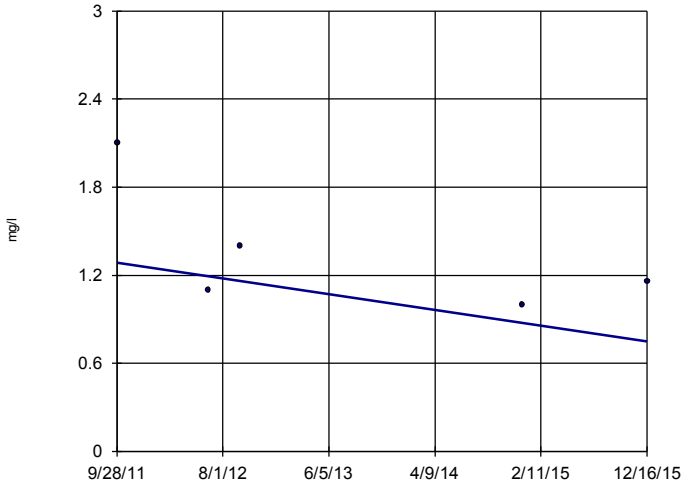
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Manganese Analysis Run 2/2/2016 2:02 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

LEACHATE



n = 5

Slope = -0.1262 units per year.

Mann-Kendall statistic = -4 critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Manganese Analysis Run 2/2/2016 2:02 PM

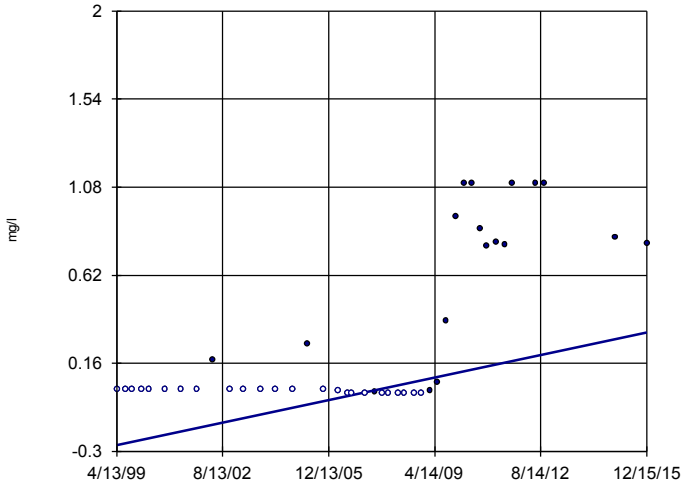
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1



n = 42

Slope = 0.03526 units per year.

Mann-Kendall normal approx. = 2.482 critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Manganese Analysis Run 2/2/2016 2:02 PM

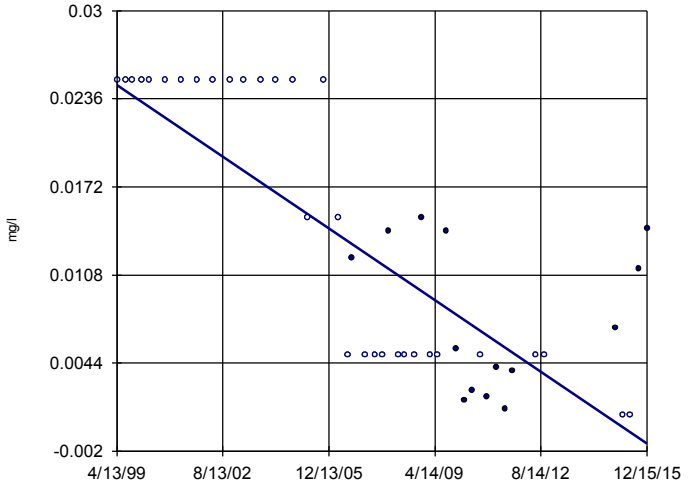
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-2



n = 45

Slope = -0.00156 units per year.

Mann-Kendall normal approx. = -5.68 critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Manganese Analysis Run 2/2/2016 2:02 PM

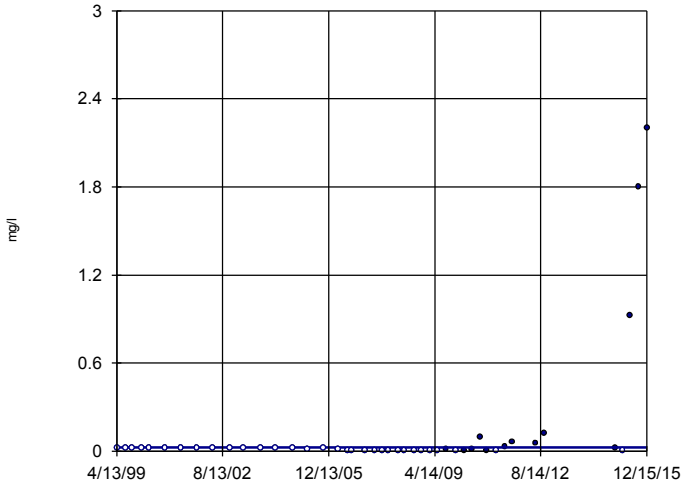
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-3



n = 45

Slope = 0 units per year.

Mann-Kendall normal approx. = -0.5278 critical = -2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

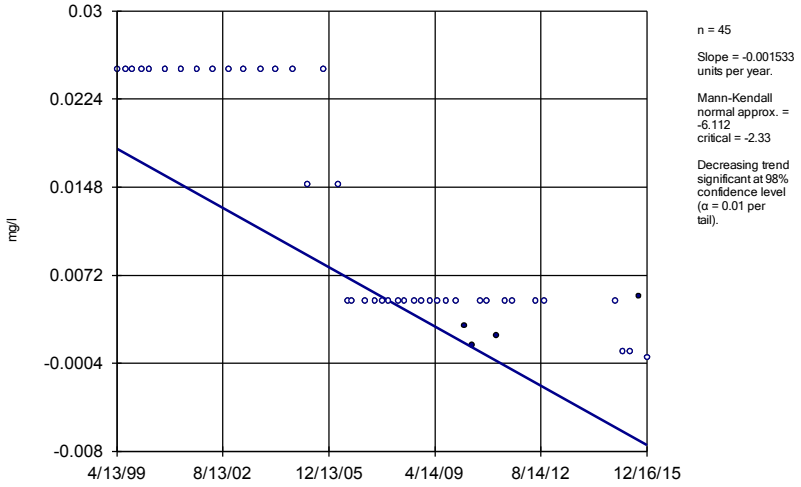
Constituent: Manganese Analysis Run 2/2/2016 2:02 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-5



n = 45

Slope = -0.001533 units per year.

Mann-Kendall normal approx. = -6.112
critical = -2.33

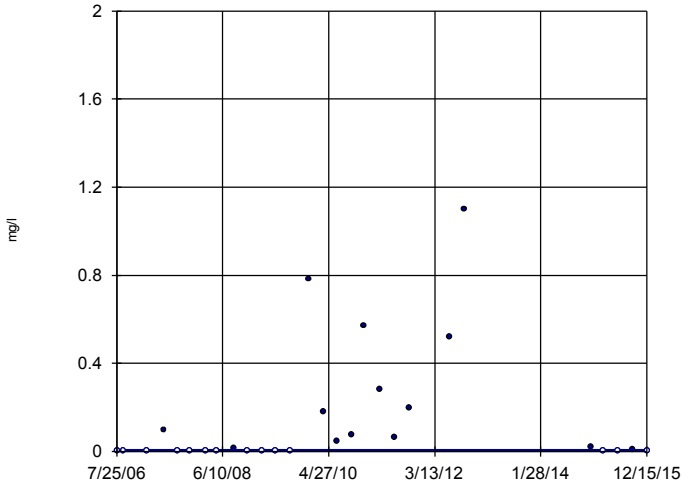
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Manganese Analysis Run 2/2/2016 2:02 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-509D



n = 28

Slope = 0.0001404 units per year.

Mann-Kendall statistic = 56
critical = 119

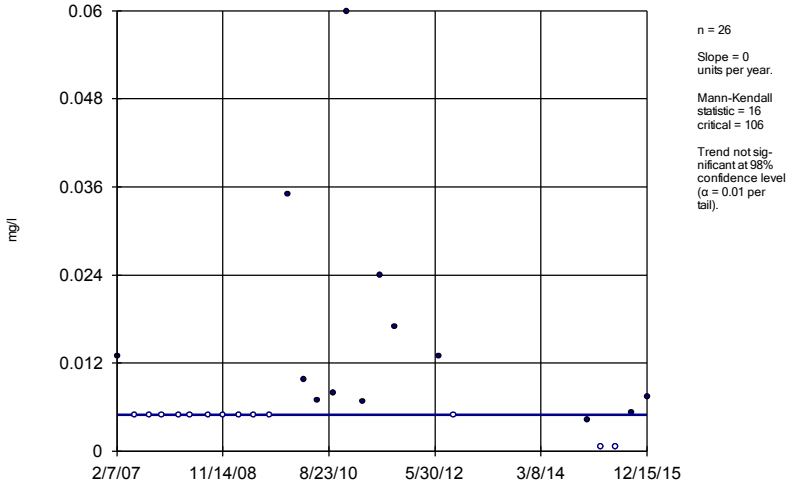
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Manganese Analysis Run 2/2/2016 2:02 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-577



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = 16
critical = 106

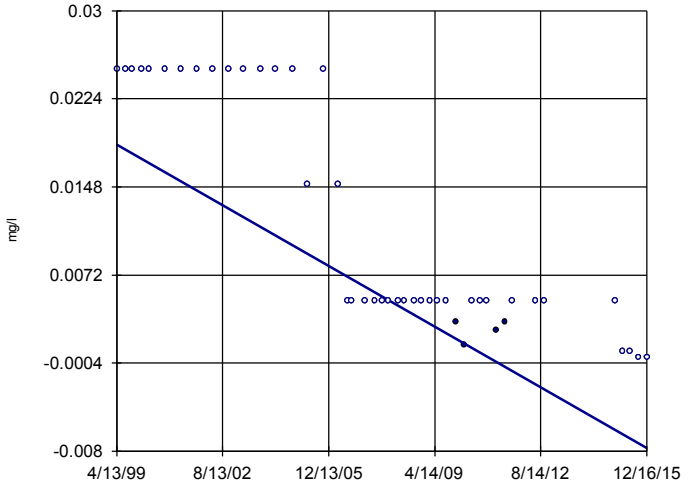
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Manganese Analysis Run 2/2/2016 2:02 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-6



n = 45

Slope = -0.001566 units per year.

Mann-Kendall normal approx. = -6.693
critical = -2.33

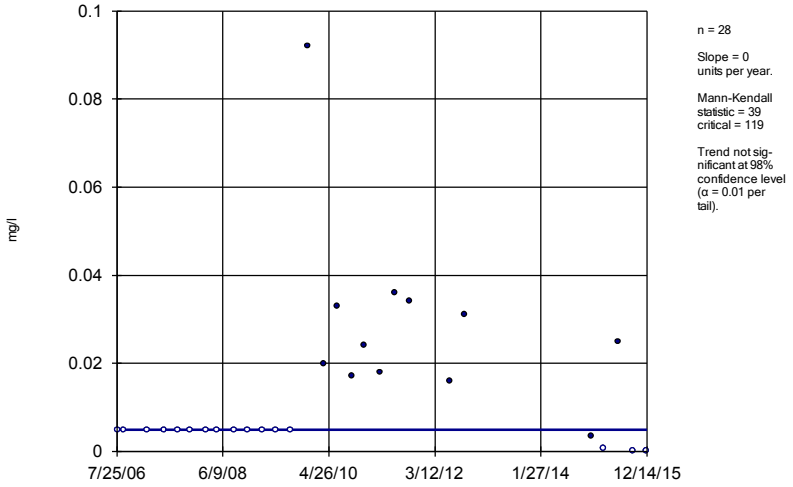
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Manganese Analysis Run 2/2/2016 2:02 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-633D



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = 39
critical = 119

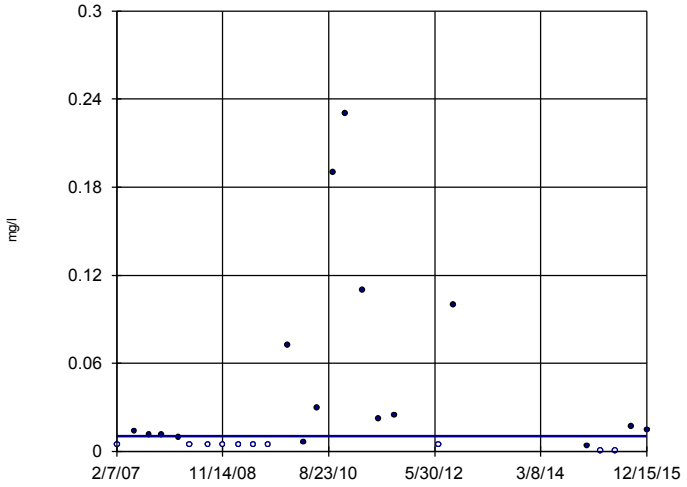
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Manganese Analysis Run 2/2/2016 2:02 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-689D



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = 7
critical = 106

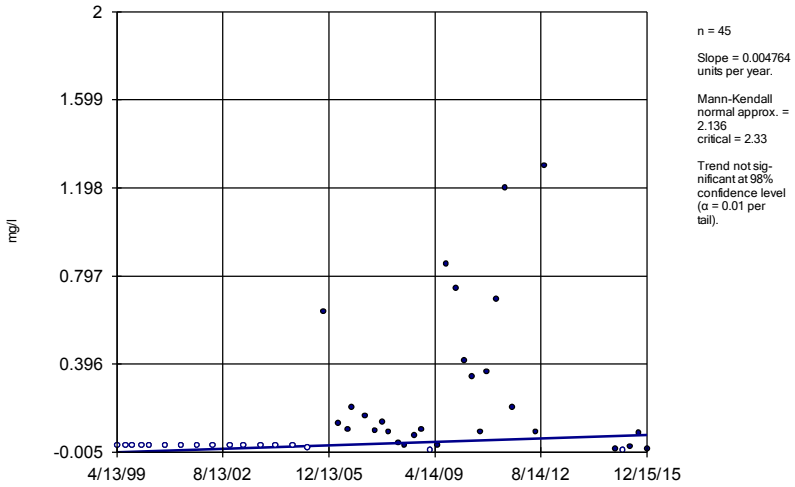
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Manganese Analysis Run 2/2/2016 2:02 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-7



n = 45

Slope = 0.004764 units per year.

Mann-Kendall normal approx. = 2.136
critical = 2.33

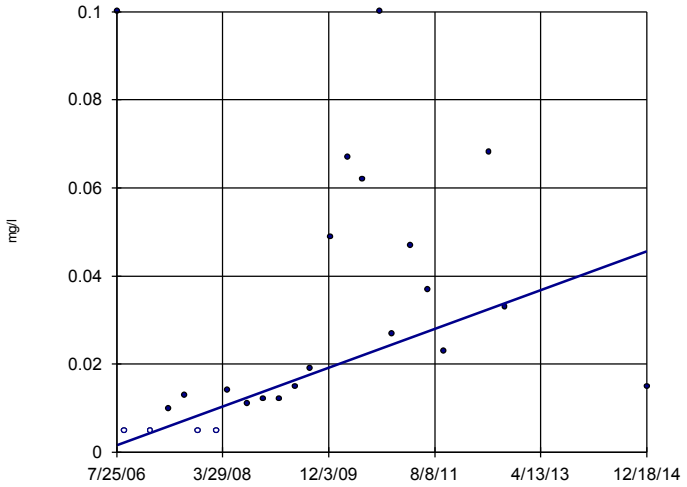
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Manganese Analysis Run 2/2/2016 2:02 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-1



n = 24

Slope = 0.005251 units per year.

Mann-Kendall statistic = 123
critical = 95

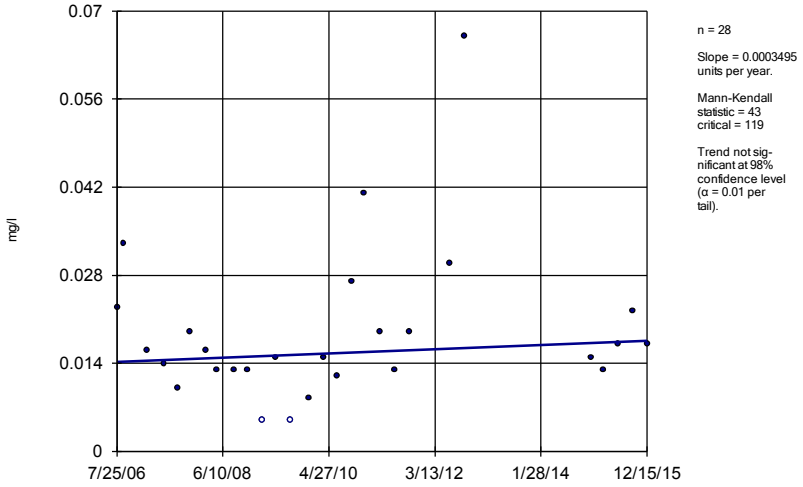
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Manganese Analysis Run 2/2/2016 2:02 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-2



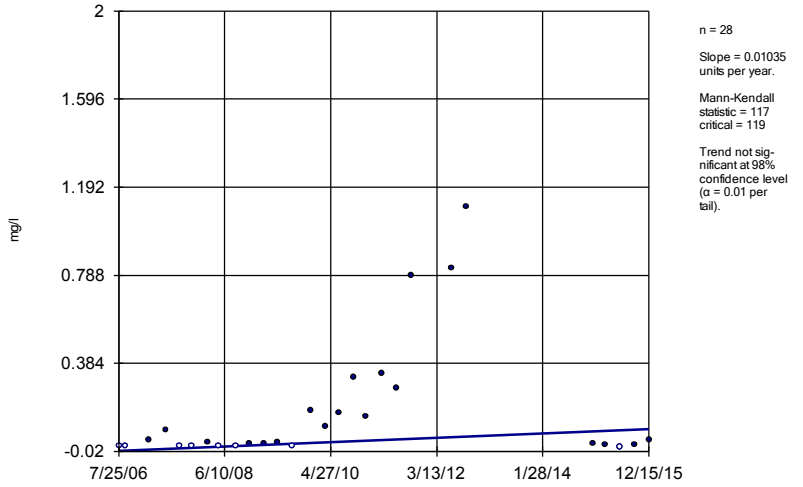
Constituent: Manganese Analysis Run 2/2/2016 2:02 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-3



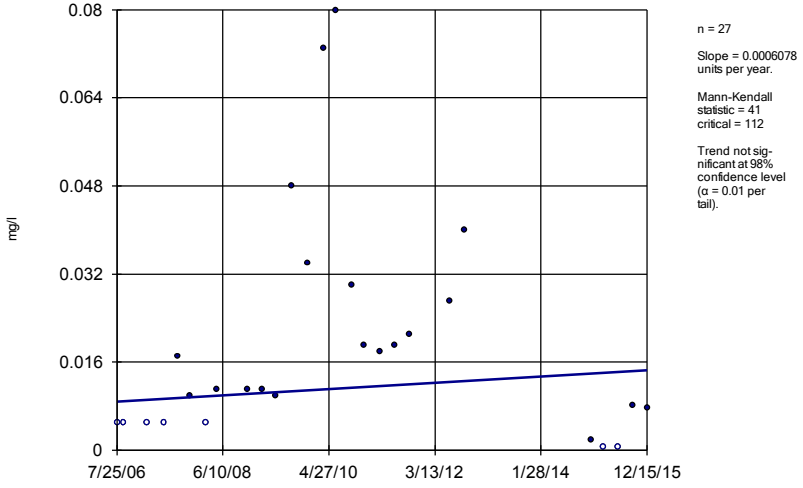
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-4



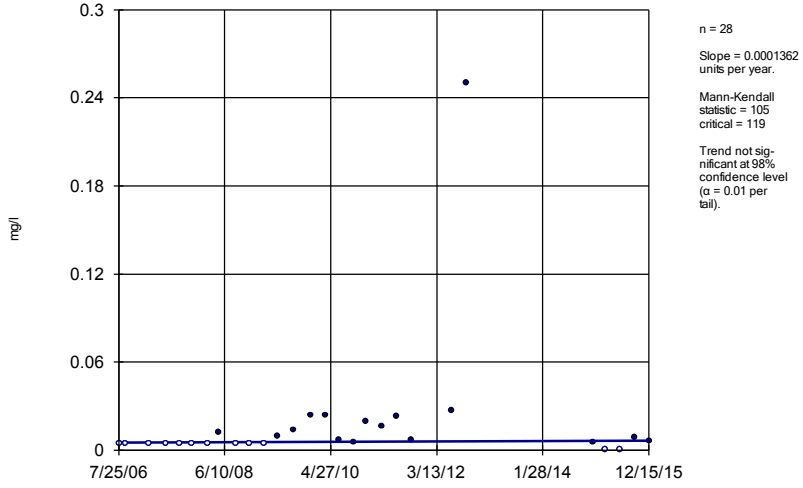
Constituent: Manganese Analysis Run 2/2/2016 2:02 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-7



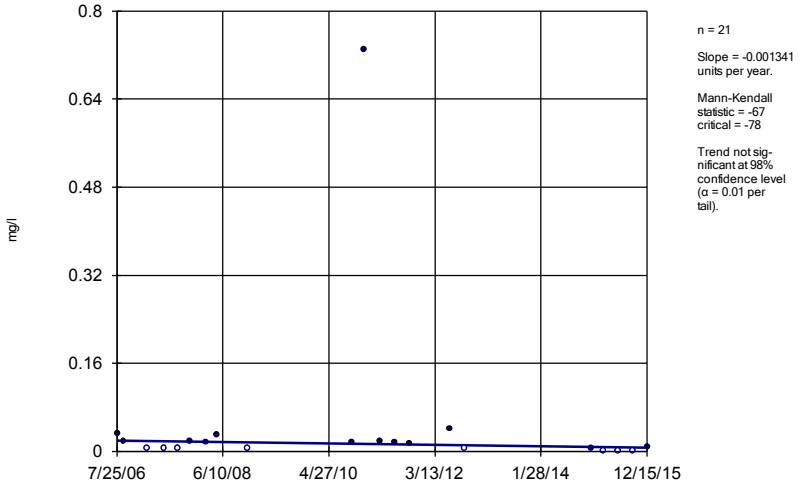
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-8



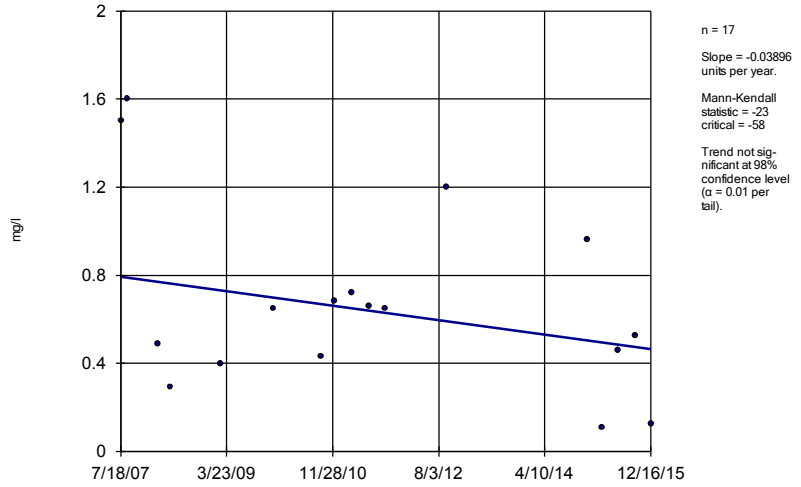
Constituent: Manganese Analysis Run 2/2/2016 2:02 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

SP-7



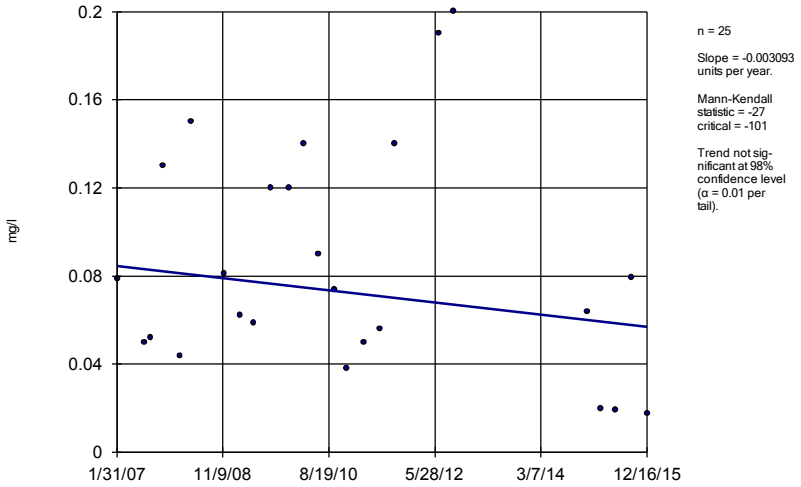
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

SPRINGA



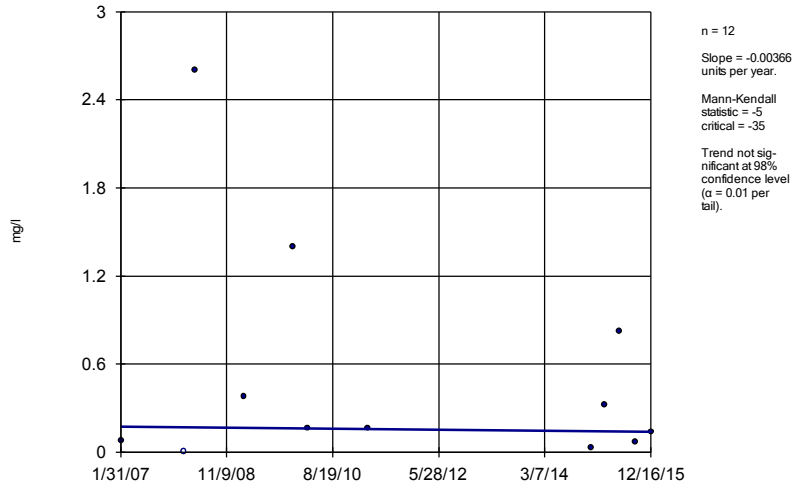
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGB



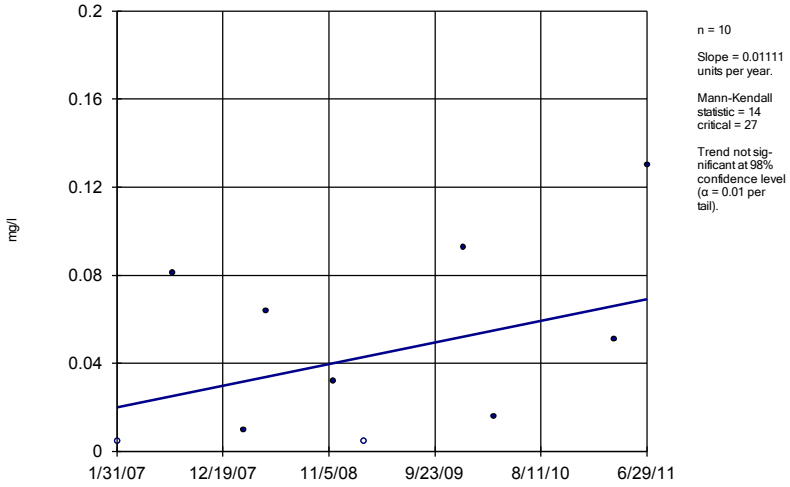
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-1

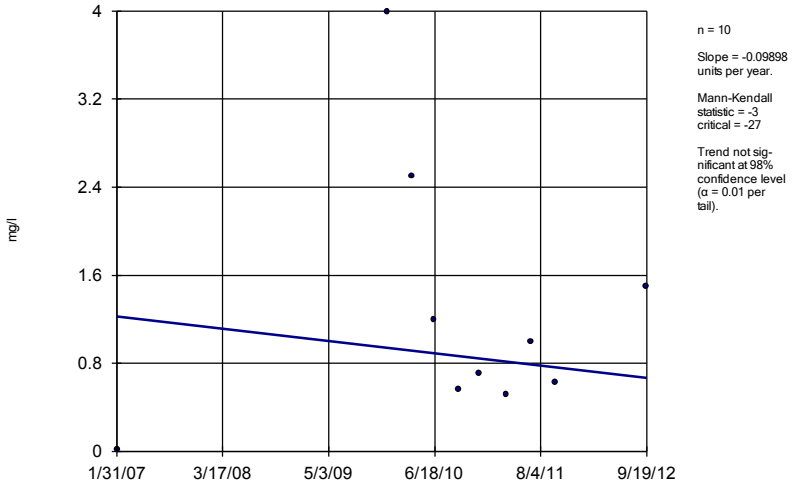


Constituent: Manganese Analysis Run 2/2/2016 2:02 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

TSP-2

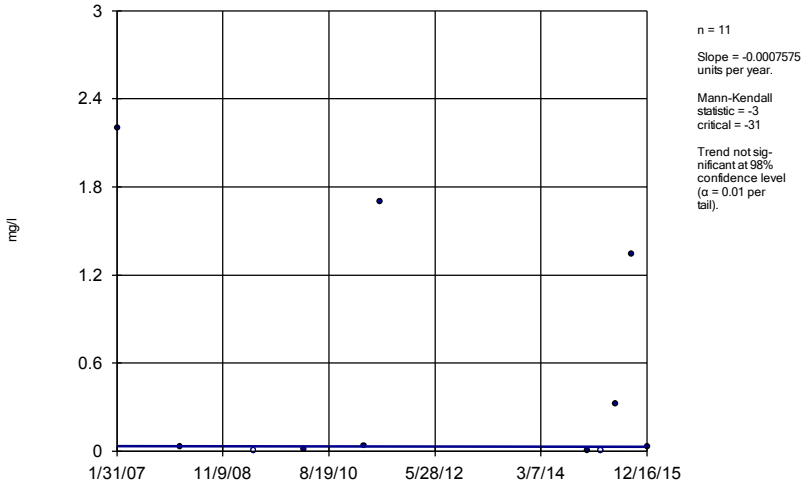


Constituent: Manganese Analysis Run 2/2/2016 2:02 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-3

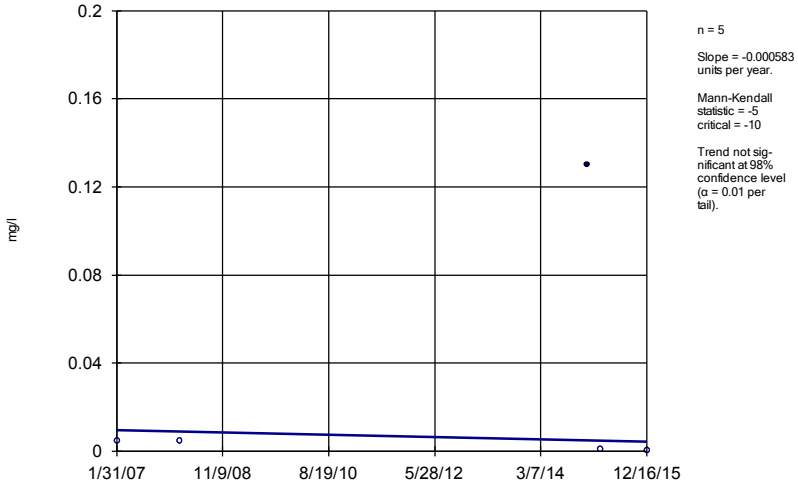


Constituent: Manganese Analysis Run 2/2/2016 2:02 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-4

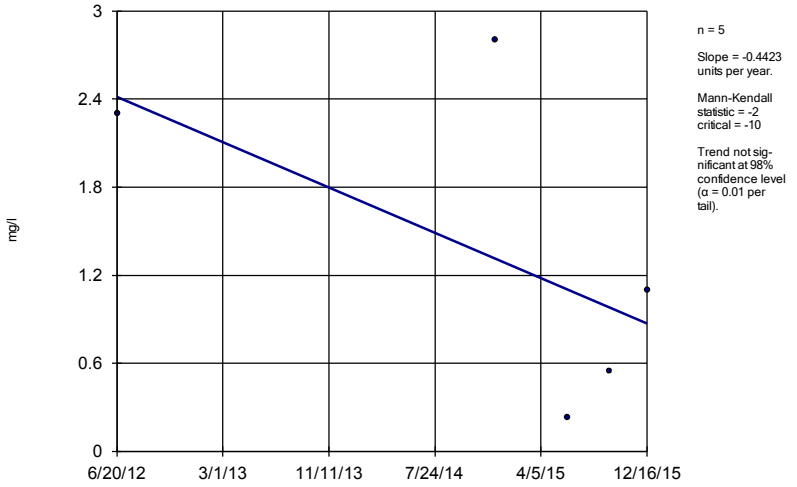


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

LFENTRANCESEEP



n = 5

Slope = -0.4423 units per year.

Mann-Kendall statistic = -2
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

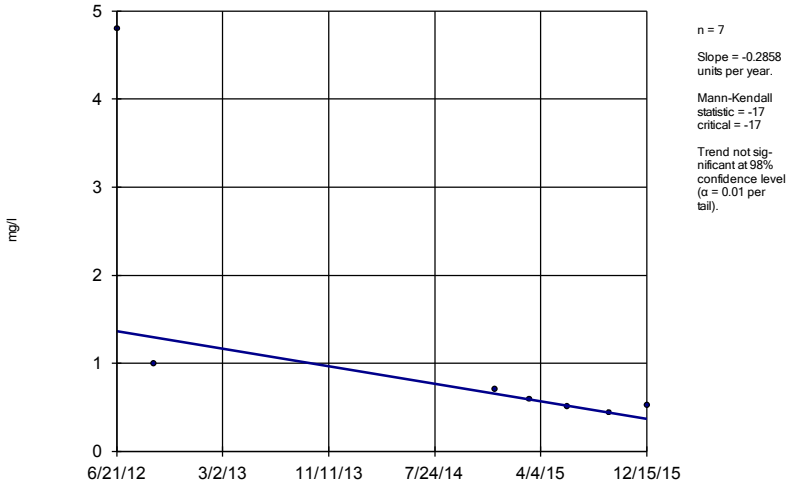
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-1R



n = 7

Slope = -0.2858 units per year.

Mann-Kendall statistic = -17
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

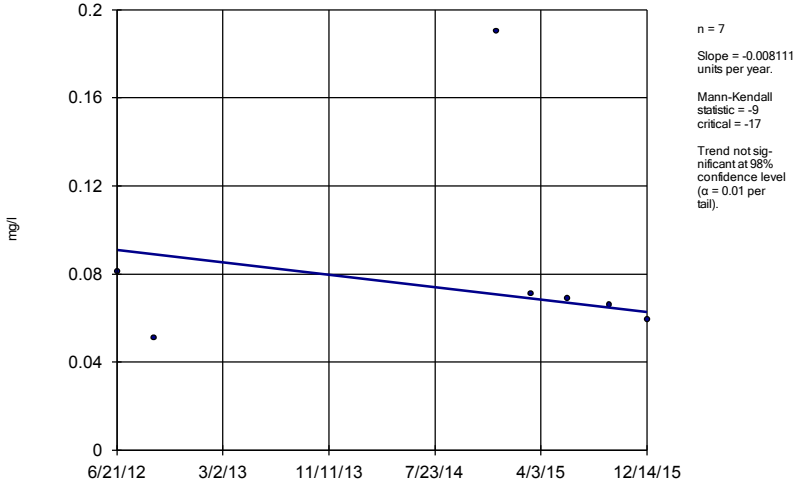
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NE-2



n = 7

Slope = -0.008111 units per year.

Mann-Kendall statistic = -9
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

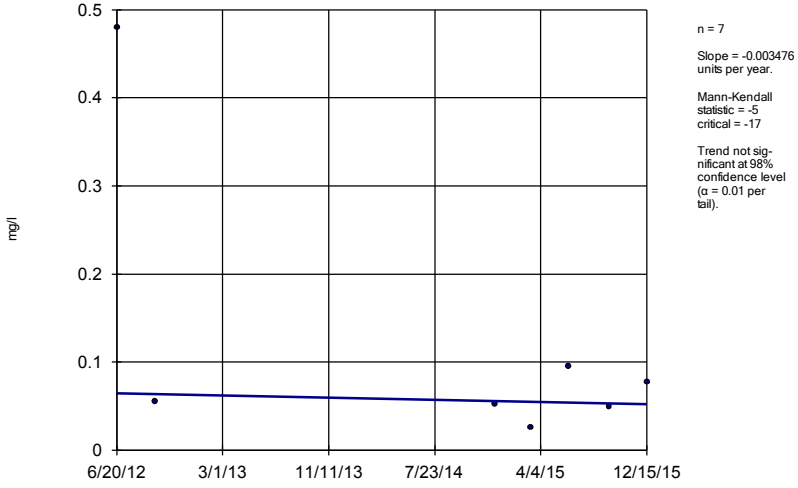
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NE-3



n = 7

Slope = -0.003476 units per year.

Mann-Kendall statistic = -5
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

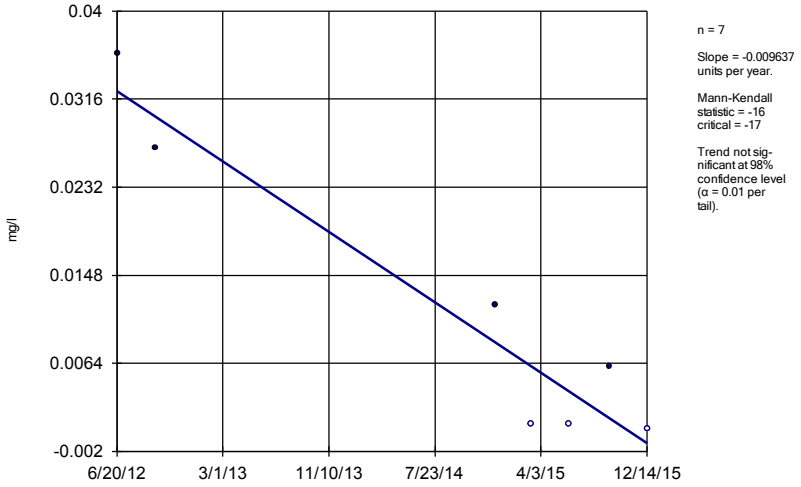
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-6



n = 7

Slope = -0.009637 units per year.

Mann-Kendall statistic = -16
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

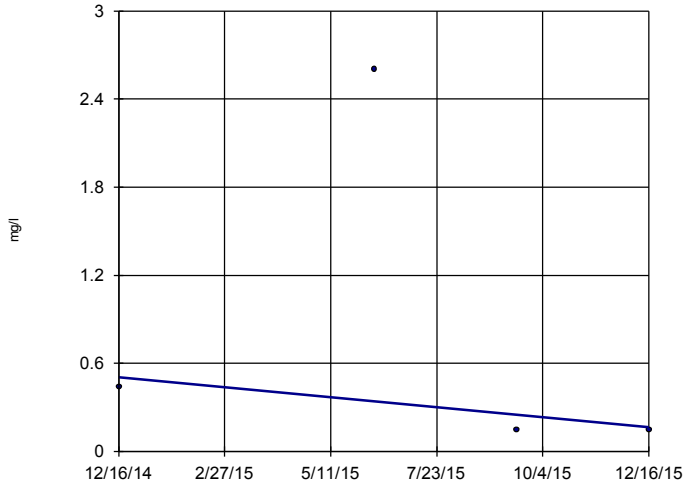
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

CLASSIDRAW



n = 4

Slope = -0.3393 units per year.

Mann-Kendall statistic = -3
critical = -8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

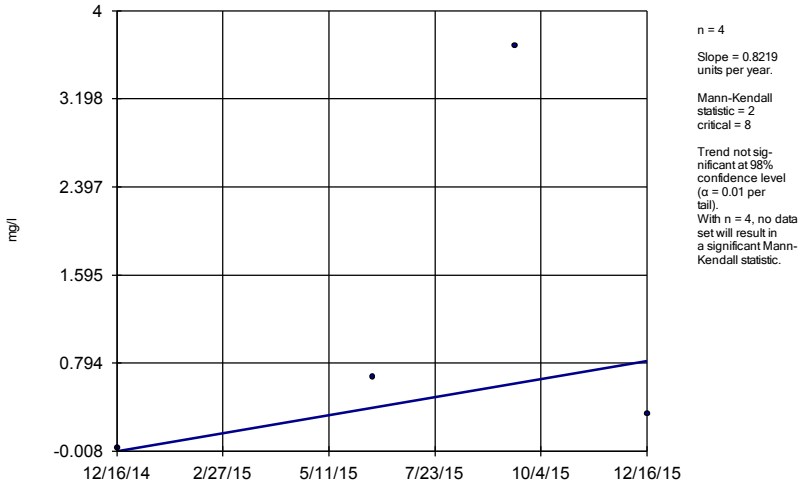
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

CLASSIVDRAW



n = 4

Slope = 0.8219 units per year.

Mann-Kendall statistic = 2
critical = 8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

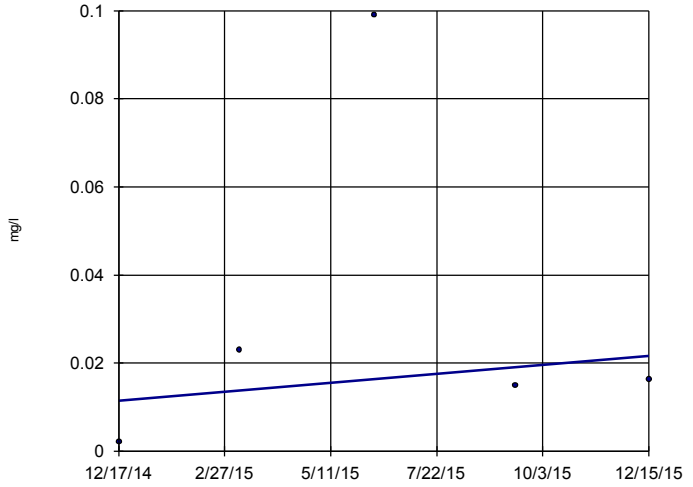
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

SP-NE-3



n = 5

Slope = 0.0102 units per year.

Mann-Kendall statistic = 2
critical = 10

Trend not significant at 98% confidence level (α = 0.01 per tail).

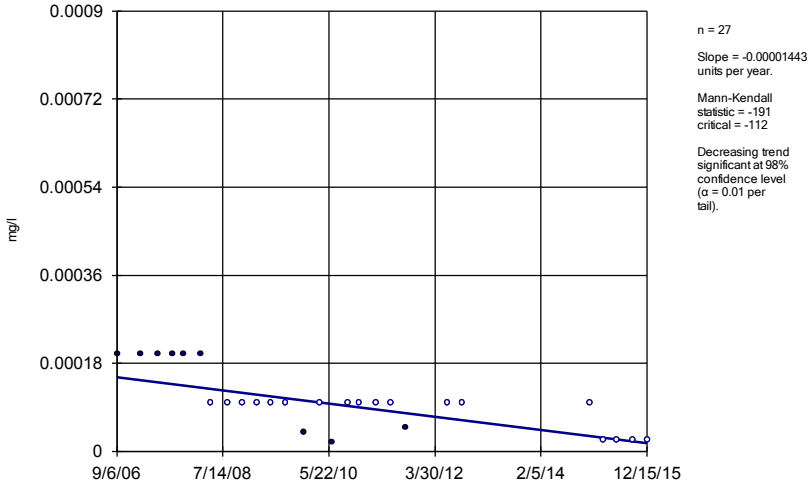
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-4



n = 27

Slope = -0.00001443 units per year.

Mann-Kendall statistic = -191
critical = -112

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

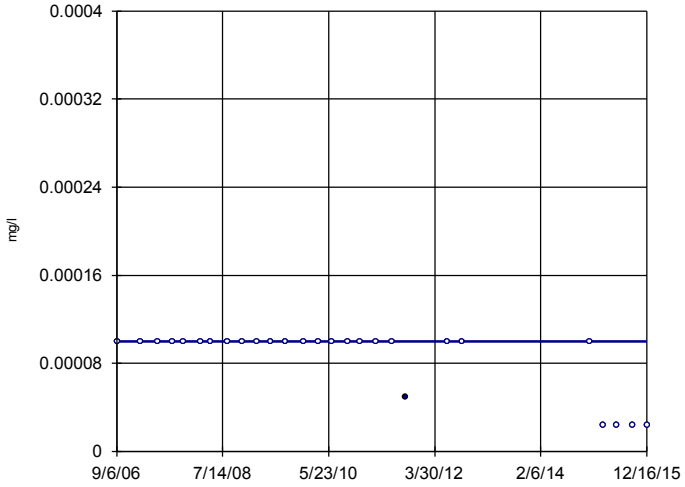
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-1



n = 27

Slope = 0 units per year.

Mann-Kendall statistic = -108
critical = -112

Trend not significant at 98% confidence level (α = 0.01 per tail).

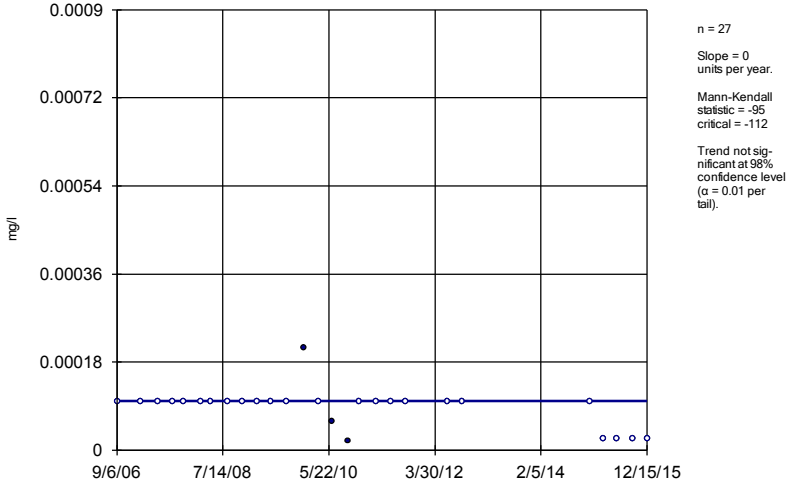
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-2



n = 27

Slope = 0 units per year.

Mann-Kendall statistic = -95
critical = -112

Trend not significant at 98% confidence level (α = 0.01 per tail).

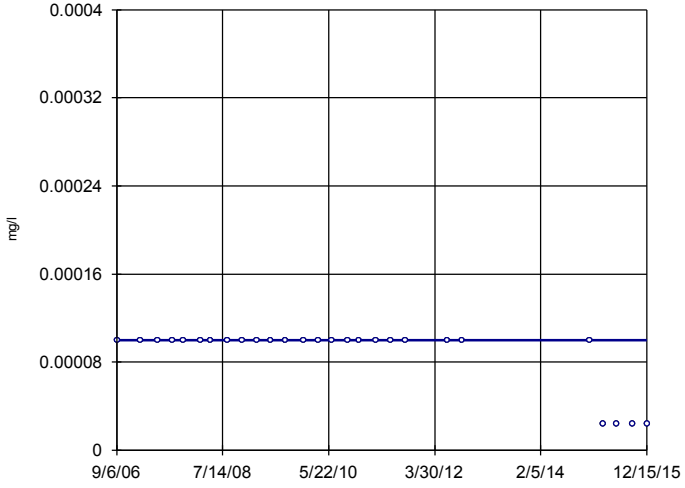
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-3



n = 27

Slope = 0 units per year.

Mann-Kendall statistic = -92
critical = -112

Trend not significant at 98% confidence level (α = 0.01 per tail).

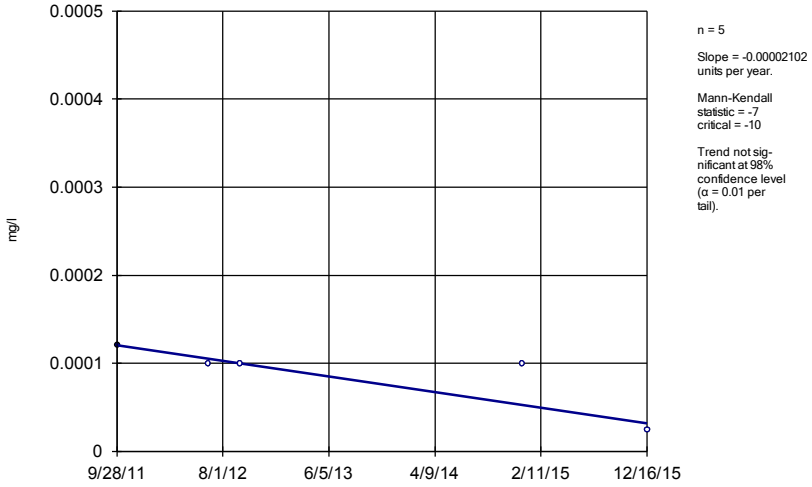
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

LEACHATE



n = 5

Slope = -0.00002102 units per year.

Mann-Kendall statistic = -7
critical = -10

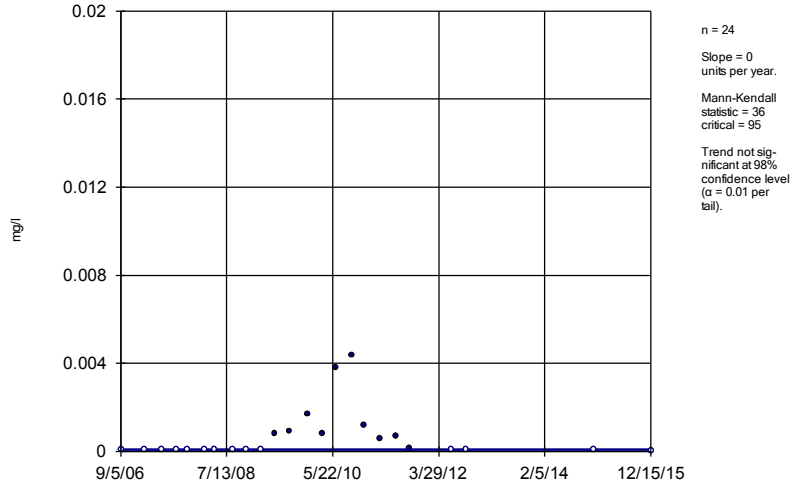
Trend not significant at 98% confidence level (α = 0.01 per tail).

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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 36
critical = 95

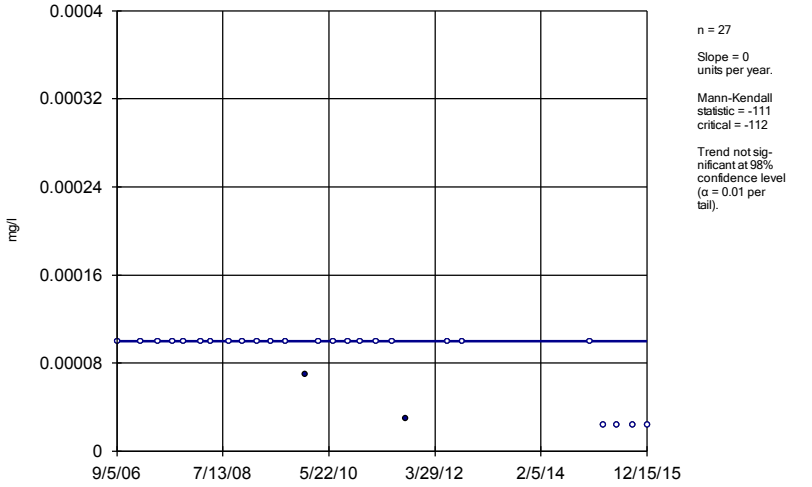
Trend not significant at 98% confidence level (α = 0.01 per tail).

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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-2



n = 27

Slope = 0 units per year.

Mann-Kendall statistic = -111
critical = -112

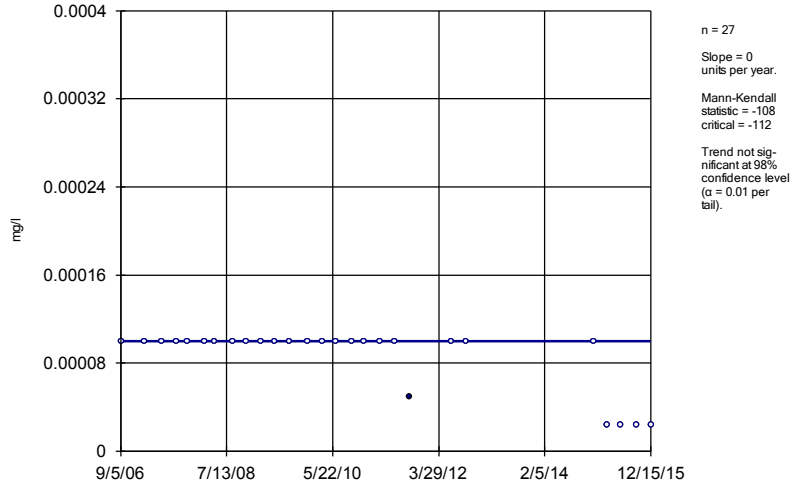
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Mercury Analysis Run 2/2/2016 2:02 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-3



n = 27

Slope = 0 units per year.

Mann-Kendall statistic = -108
critical = -112

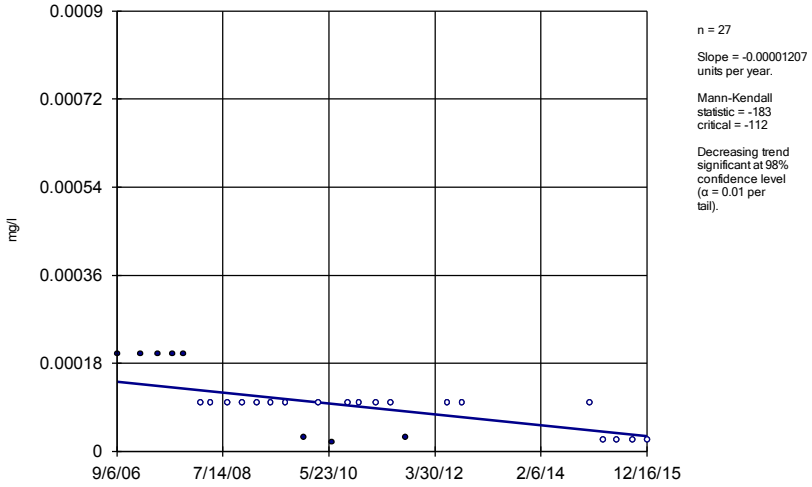
Trend not significant at 98% confidence level (α = 0.01 per tail).

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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-5

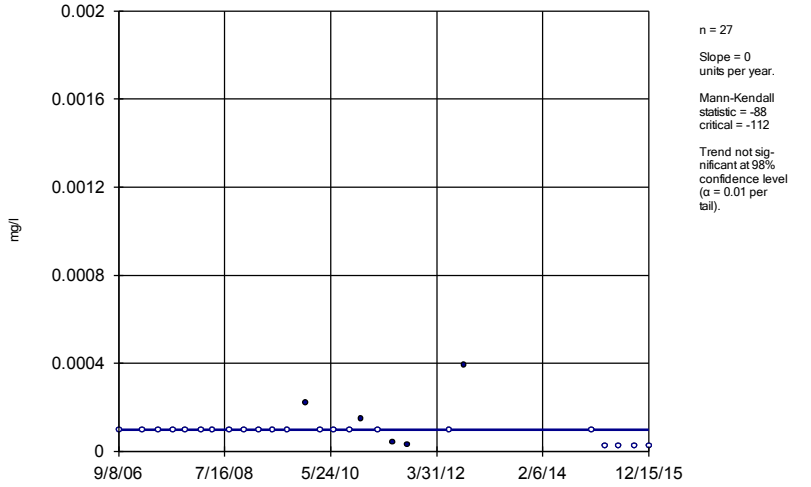


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-509D

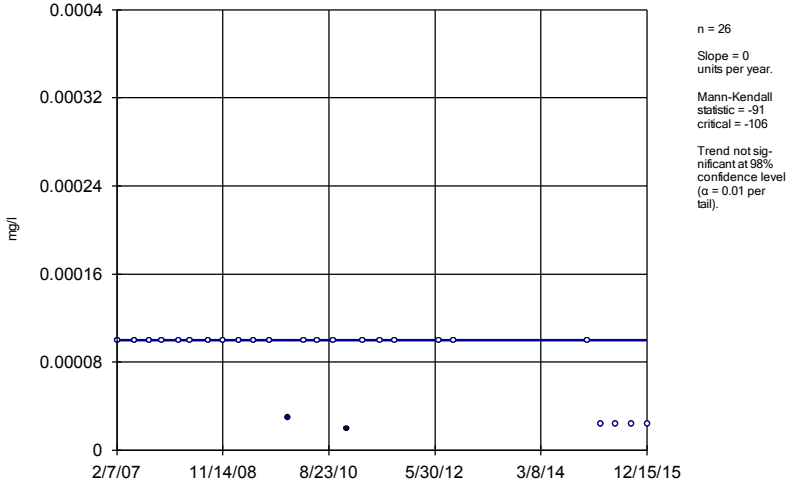


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-577

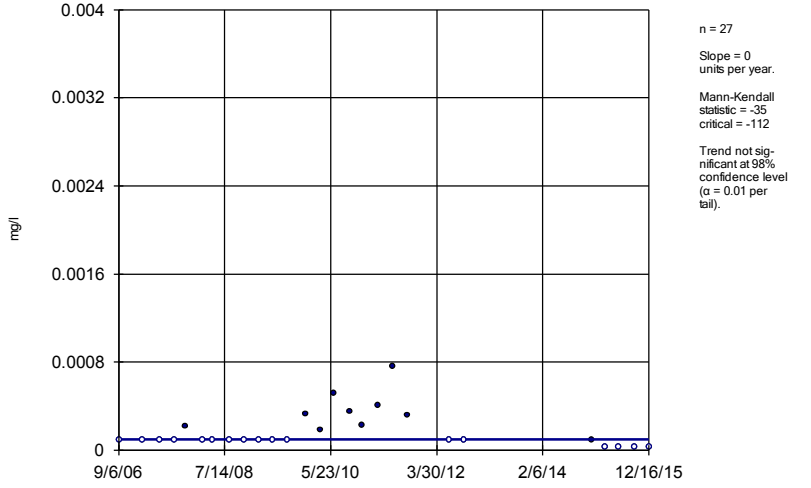


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-6

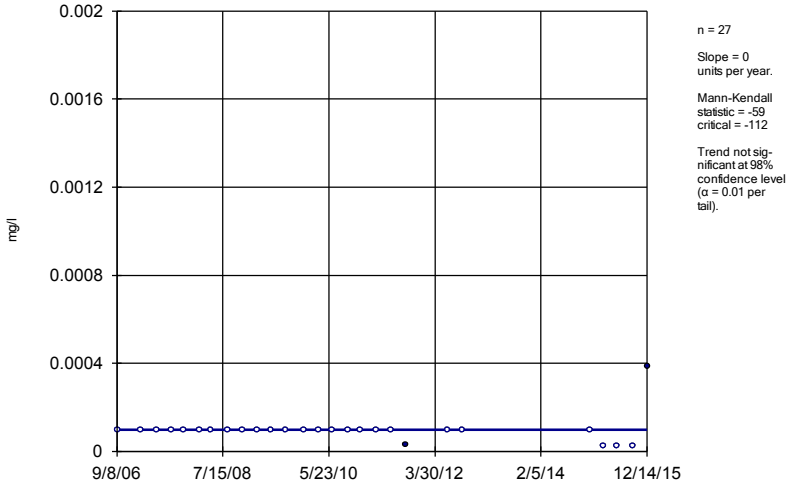


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-633D



n = 27

Slope = 0 units per year.

Mann-Kendall statistic = -59
critical = -112

Trend not significant at 98% confidence level (α = 0.01 per tail).

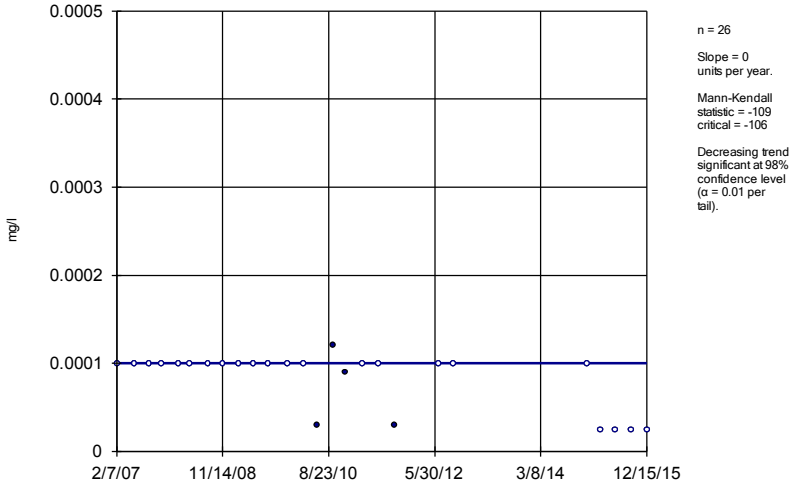
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-689D



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = -109
critical = -106

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

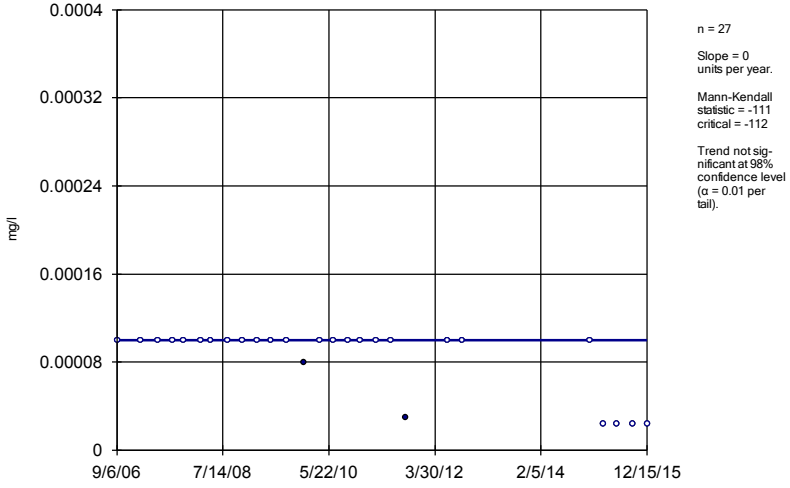
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-7



n = 27

Slope = 0 units per year.

Mann-Kendall statistic = -111
critical = -112

Trend not significant at 98% confidence level (α = 0.01 per tail).

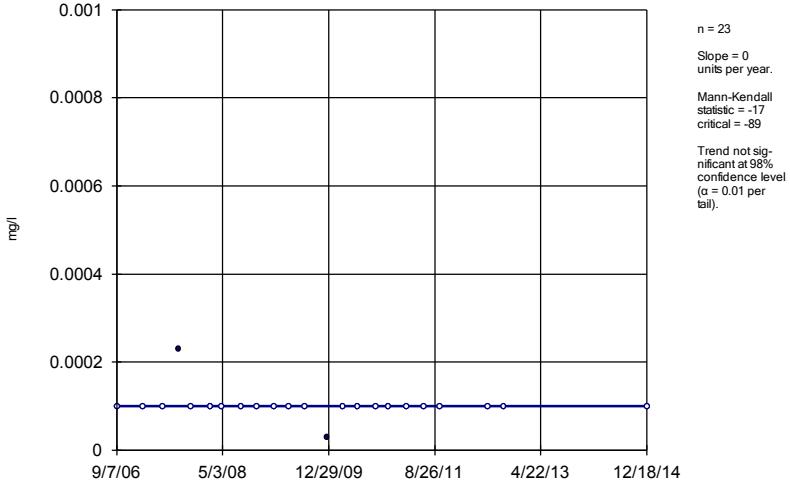
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-1



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = -17
critical = -89

Trend not significant at 98% confidence level (α = 0.01 per tail).

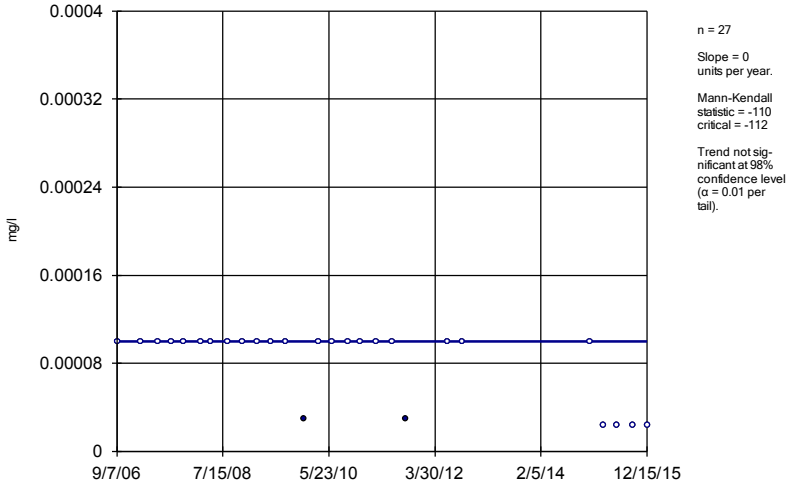
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-2



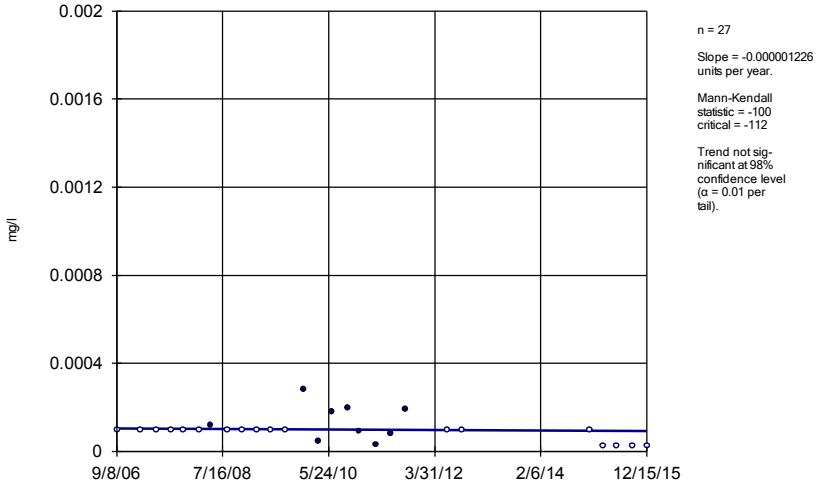
Constituent: Mercury Analysis Run 2/2/2016 2:02 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-3



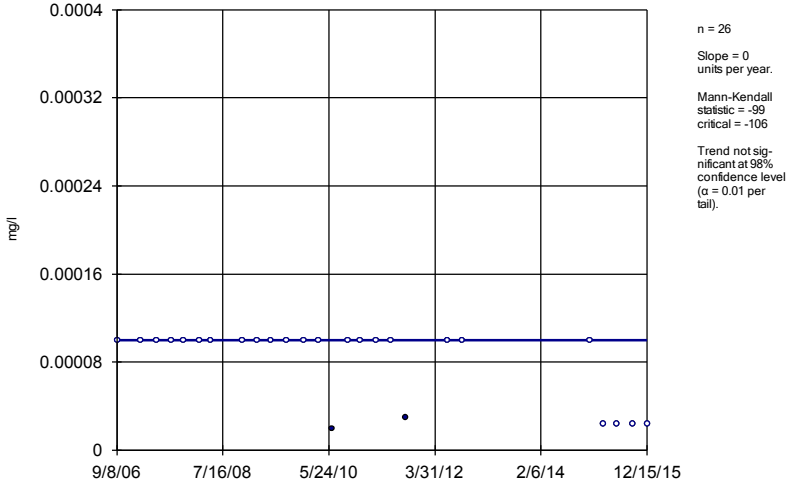
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-4



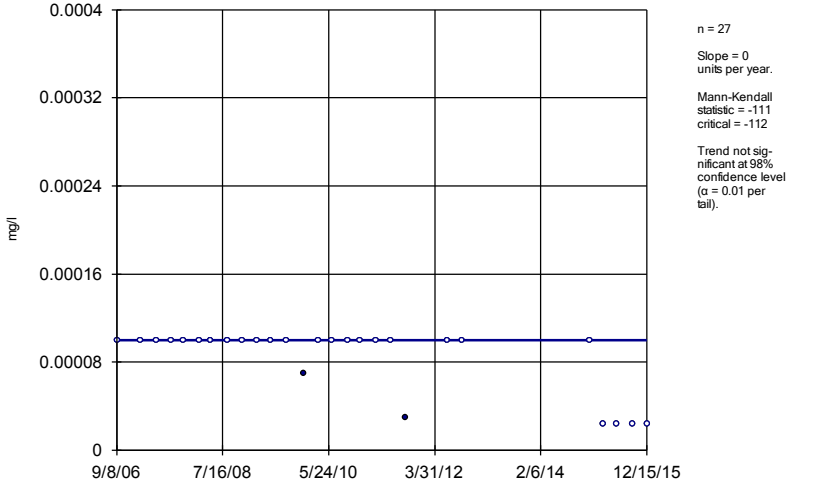
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-7



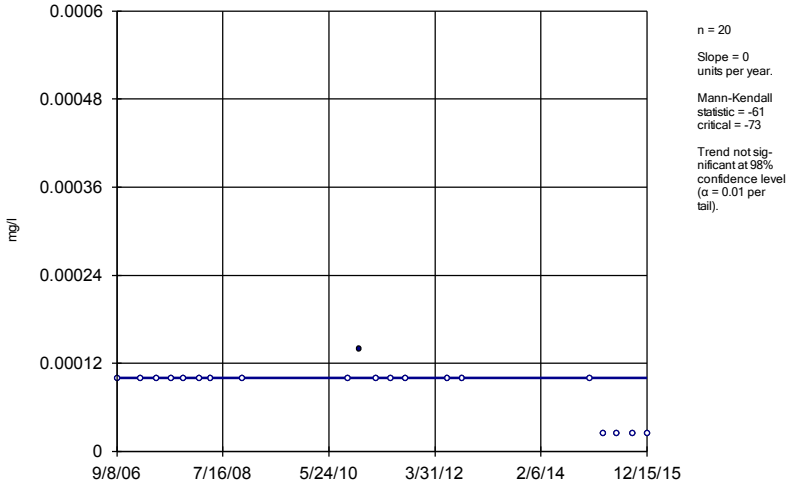
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-8

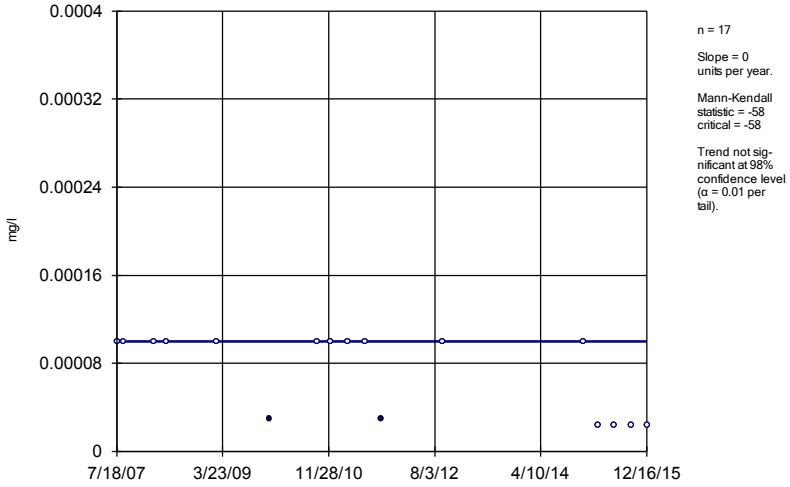


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-7

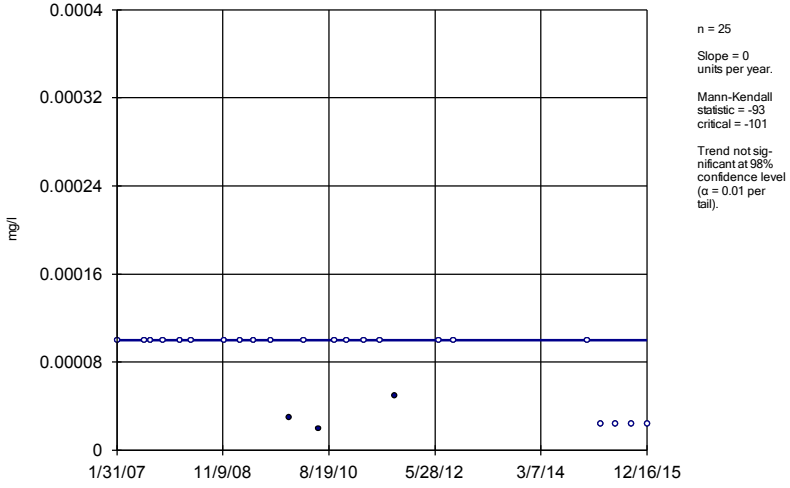


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGA

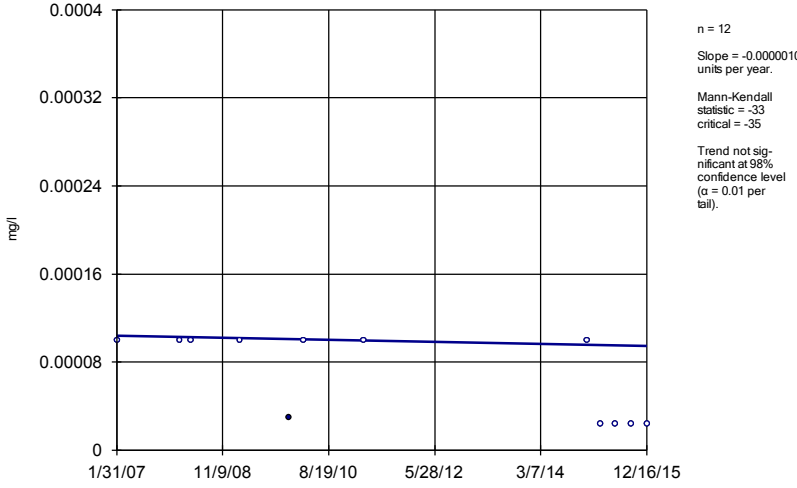


Constituent: Mercury Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGB

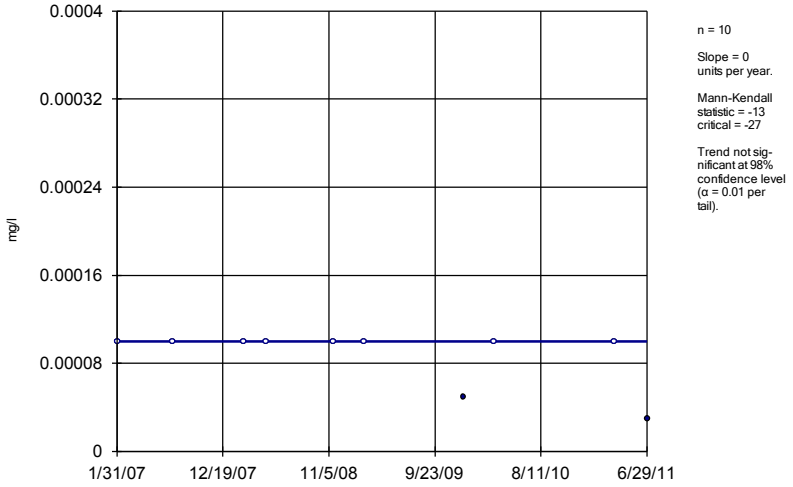


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-1



n = 10

Slope = 0 units per year.

Mann-Kendall statistic = -13
critical = -27

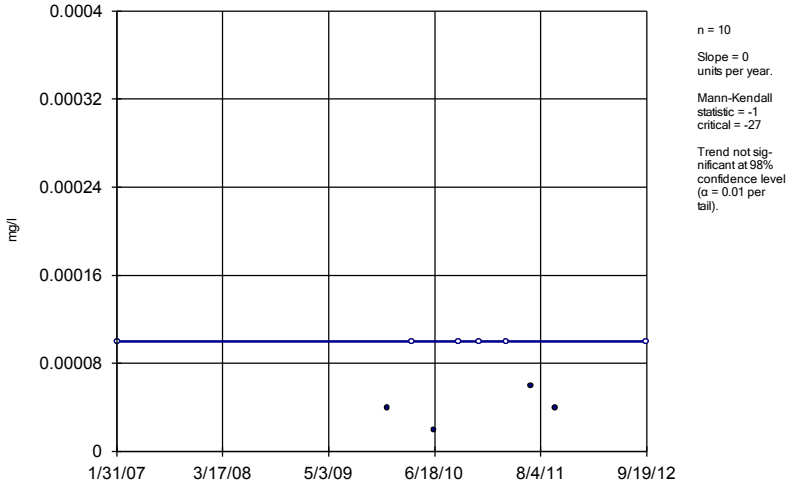
Trend not significant at 98% confidence level (α = 0.01 per tail).

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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-2



n = 10

Slope = 0 units per year.

Mann-Kendall statistic = -1
critical = -27

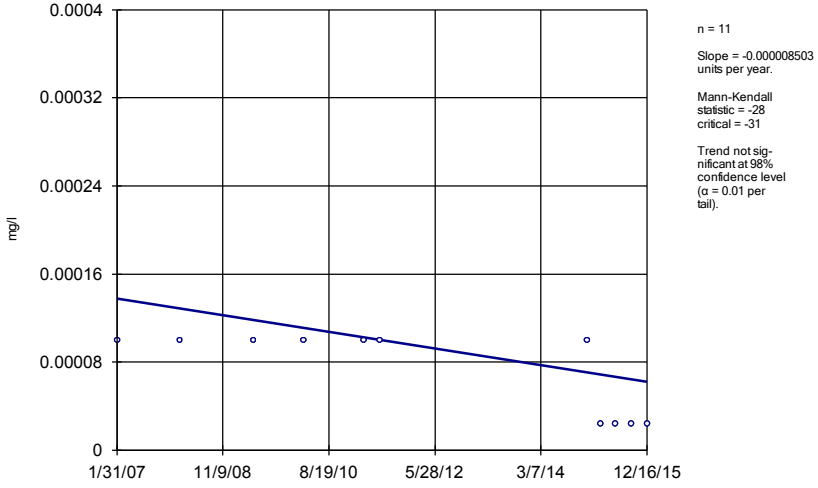
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Mercury Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-3



n = 11

Slope = -0.000008503 units per year.

Mann-Kendall statistic = -28
critical = -31

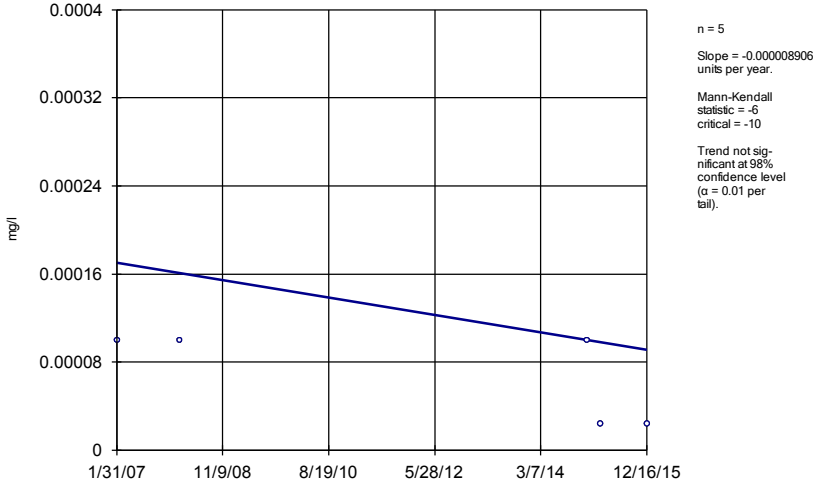
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Mercury Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-4



n = 5

Slope = -0.000008906 units per year.

Mann-Kendall statistic = -6
critical = -10

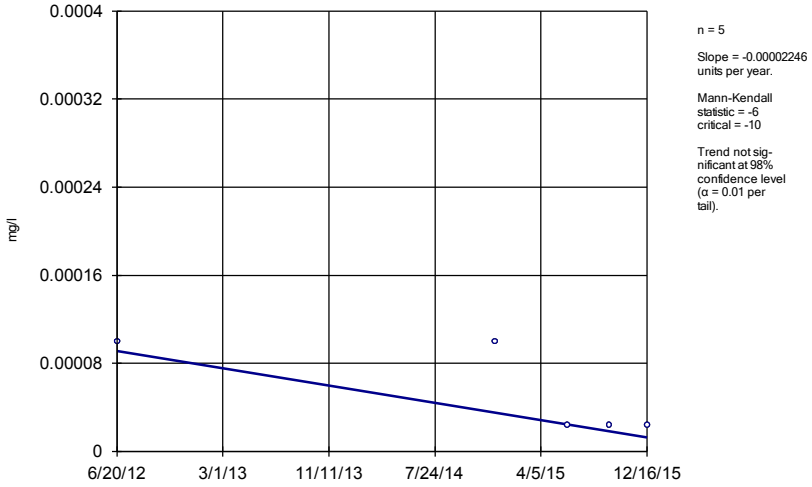
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

LFENTRANCESEEP



n = 5

Slope = -0.00002246 units per year.

Mann-Kendall statistic = -6
critical = -10

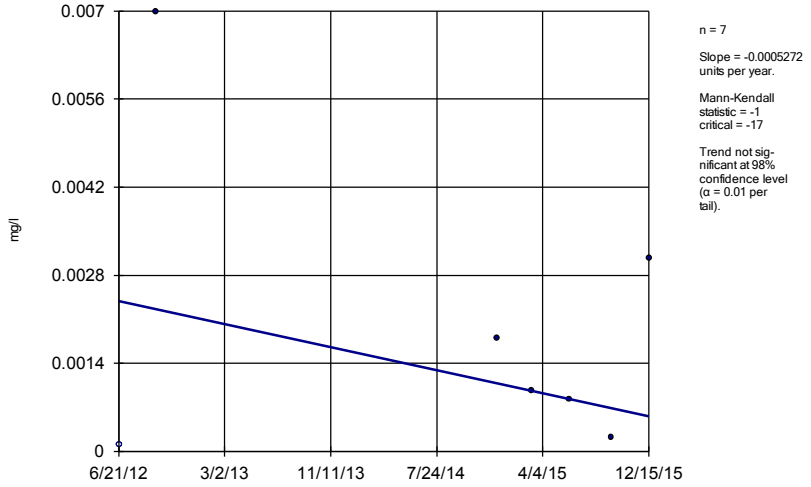
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Constituent: Mercury Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1R



n = 7

Slope = -0.0005272 units per year.

Mann-Kendall statistic = -1
critical = -17

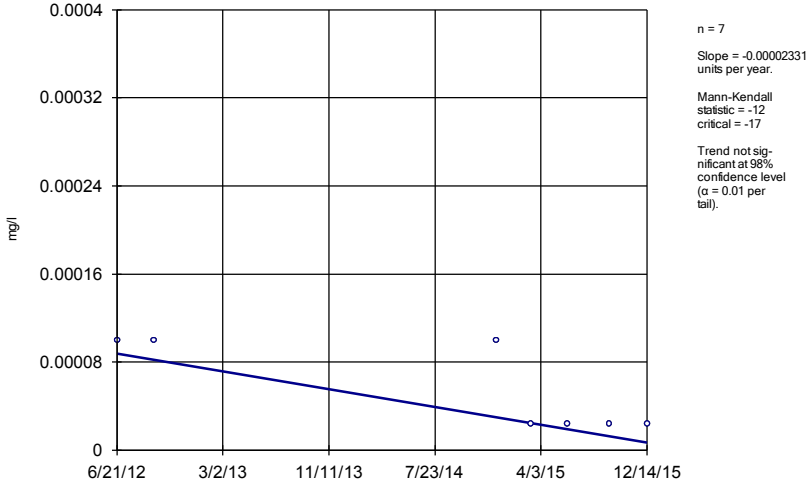
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Mercury Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-2



n = 7

Slope = -0.00002331 units per year.

Mann-Kendall statistic = -12
critical = -17

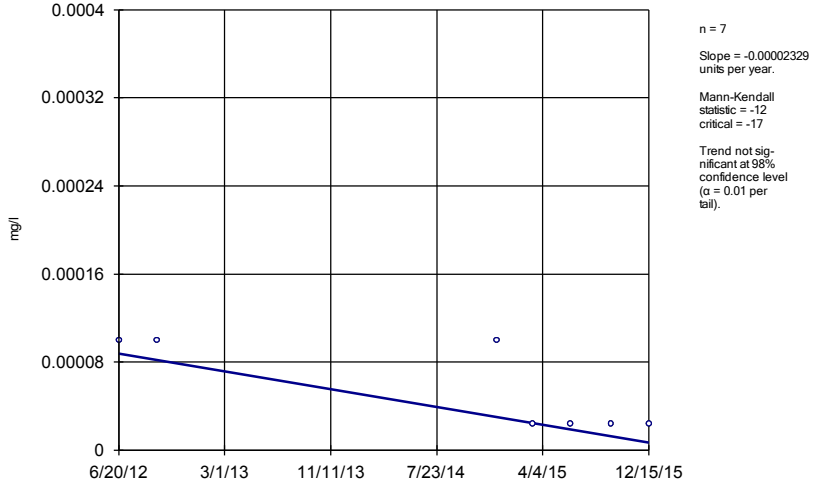
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Mercury Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-3



n = 7

Slope = -0.00002329 units per year.

Mann-Kendall statistic = -12
critical = -17

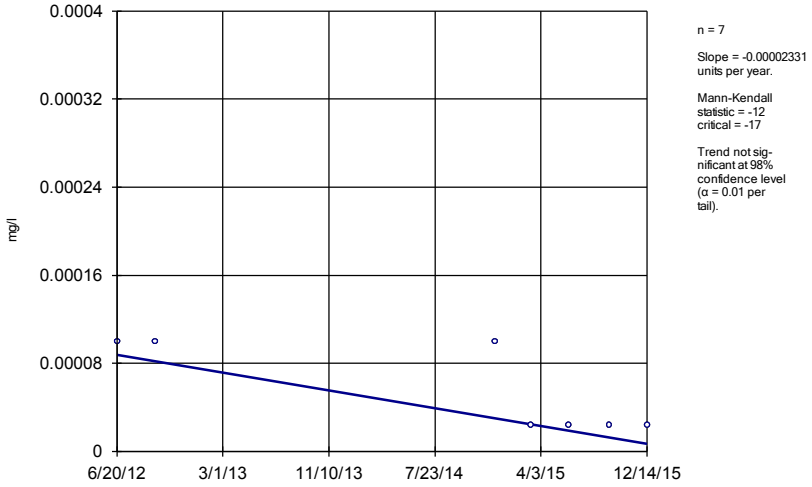
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Mercury Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-6



n = 7

Slope = -0.00002331 units per year.

Mann-Kendall statistic = -12
critical = -17

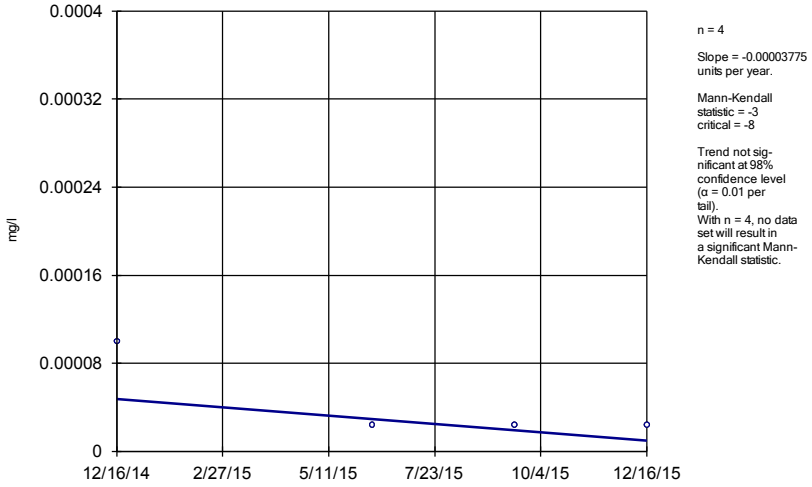
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Mercury Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIDRAW



n = 4

Slope = -0.00003775 units per year.

Mann-Kendall statistic = -3
critical = -8

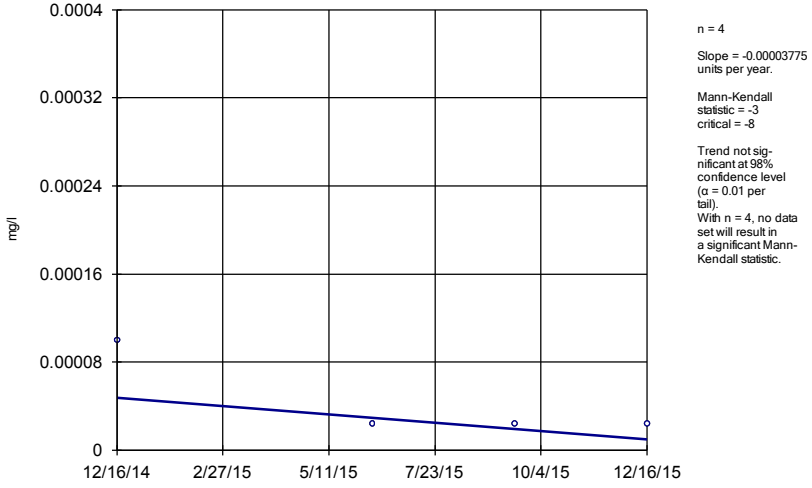
Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

Constituent: Mercury Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIVDRAW



n = 4

Slope = -0.00003775 units per year.

Mann-Kendall statistic = -3
critical = -8

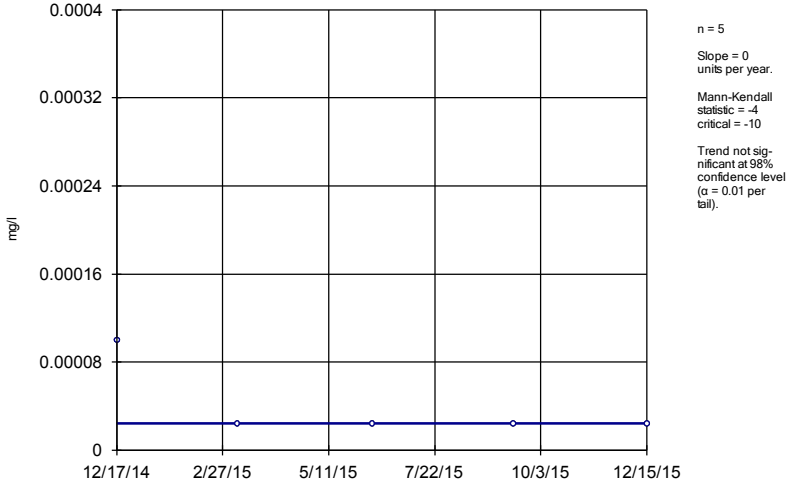
Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

Constituent: Mercury Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-NE-3



n = 5

Slope = 0 units per year.

Mann-Kendall statistic = -4
critical = -10

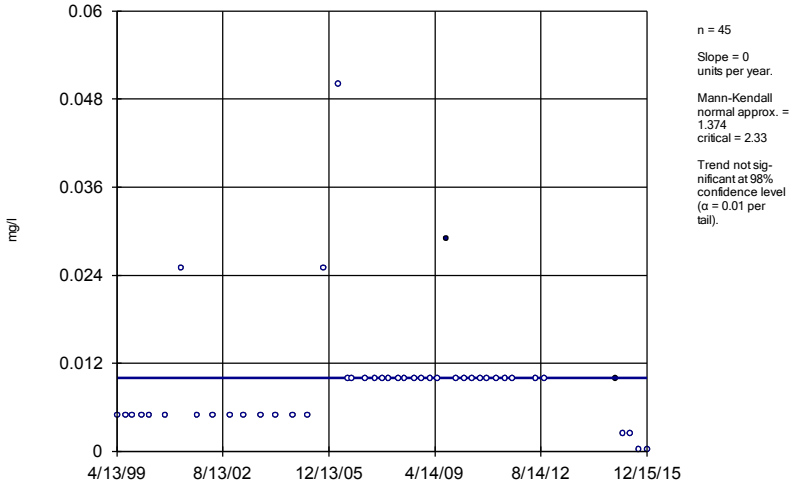
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Mercury Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-4



n = 45

Slope = 0 units per year.

Mann-Kendall normal approx. = 1.374
critical = 2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

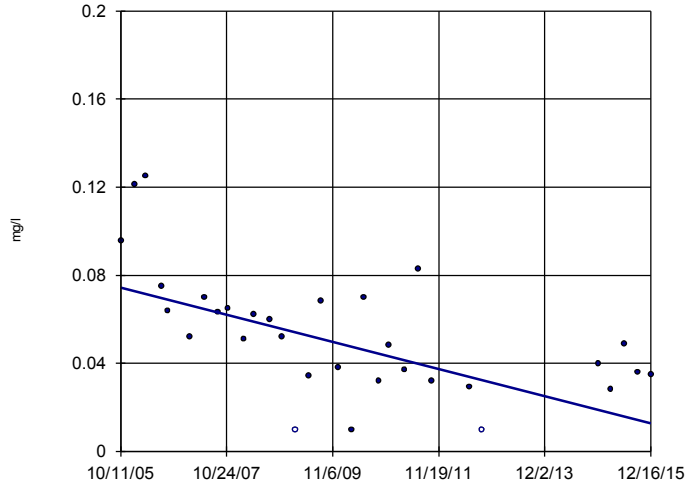
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-1



n = 31

Slope = -0.006031 units per year.

Mann-Kendall statistic = -231
critical = -138

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

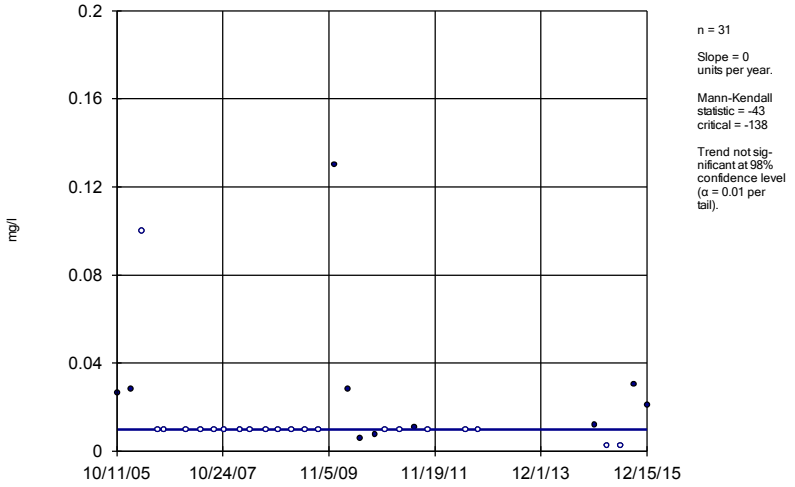
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-2



n = 31

Slope = 0 units per year.

Mann-Kendall statistic = -43
critical = -138

Trend not significant at 98% confidence level (α = 0.01 per tail).

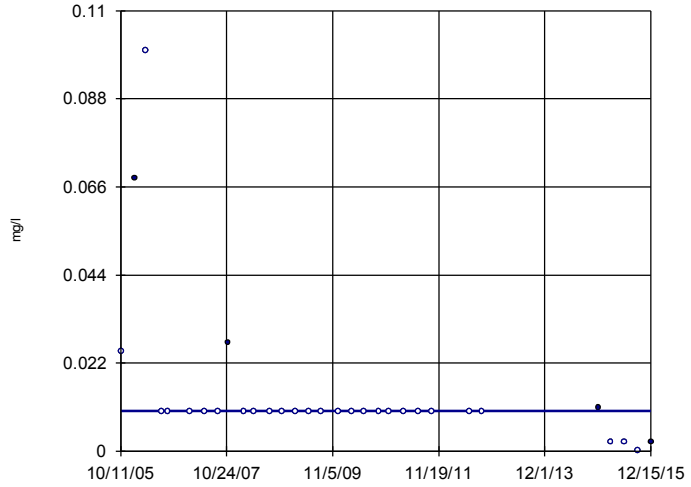
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-3



n = 31

Slope = 0 units per year.

Mann-Kendall statistic = -169
critical = -138

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

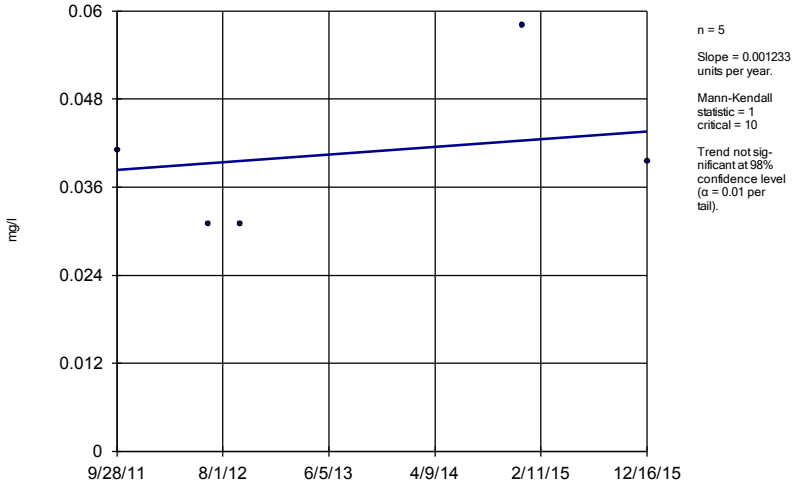
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

LEACHATE



n = 5

Slope = 0.001233 units per year.

Mann-Kendall statistic = 1
critical = 10

Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Nickel Analysis Run 2/2/2016 2:03 PM

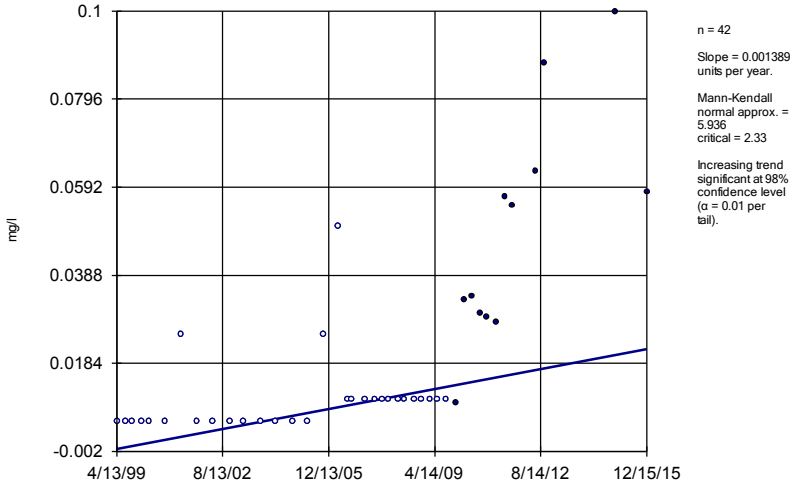
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1



n = 42

Slope = 0.001389 units per year.

Mann-Kendall normal approx. = 5.936
critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Nickel Analysis Run 2/2/2016 2:03 PM

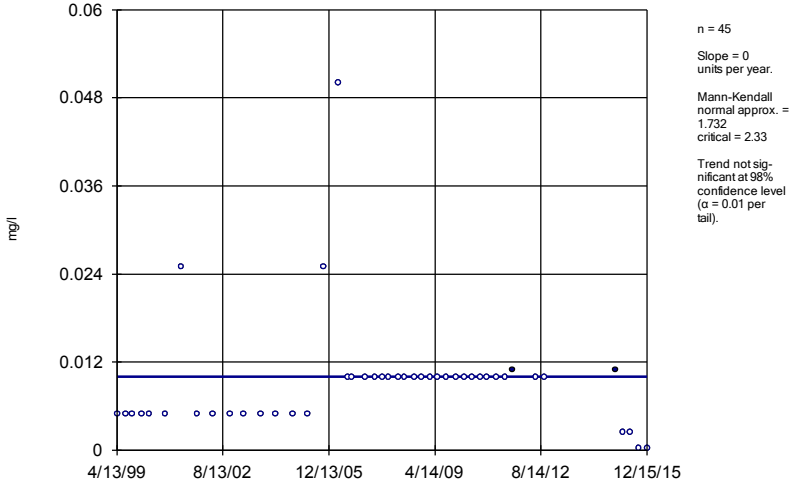
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-2



n = 45

Slope = 0 units per year.

Mann-Kendall normal approx. = 1.732
critical = 2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Nickel Analysis Run 2/2/2016 2:03 PM

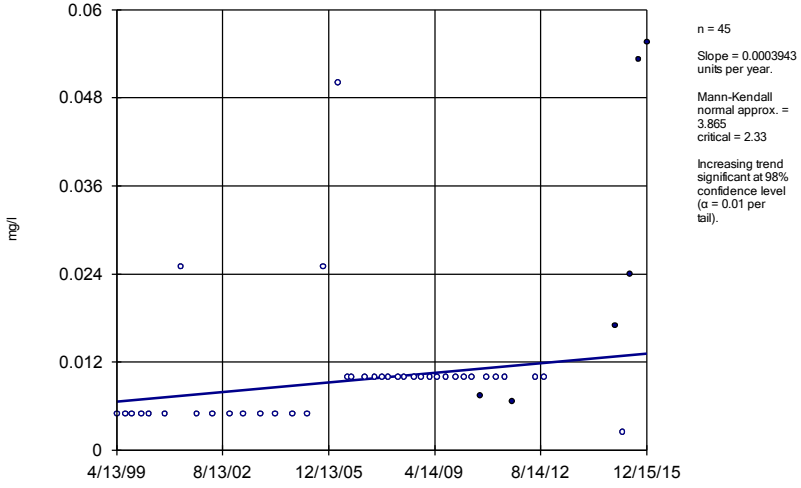
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-3



n = 45

Slope = 0.0003943 units per year.

Mann-Kendall normal approx. = 3.865
critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

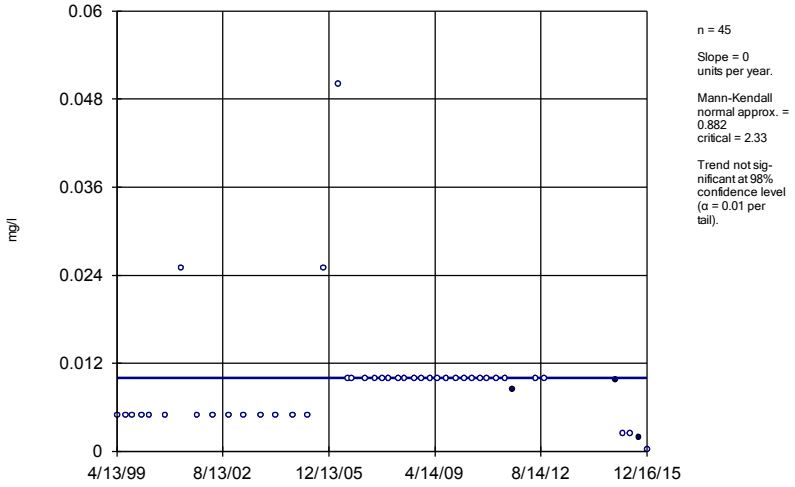
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-5



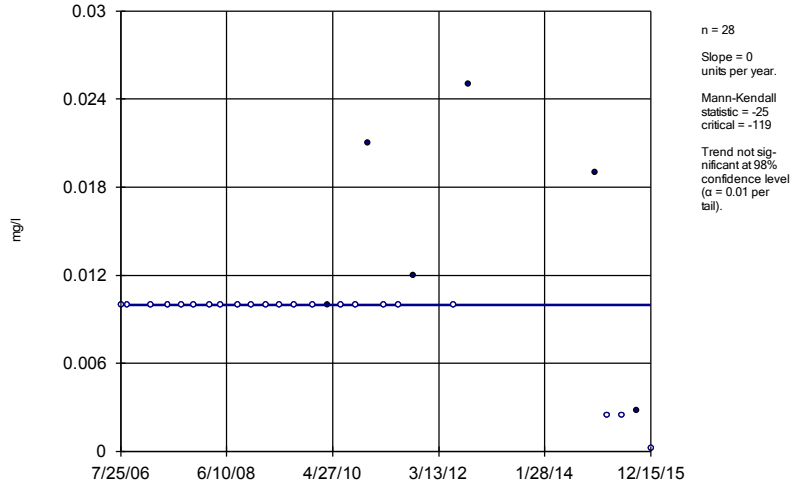
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-509D



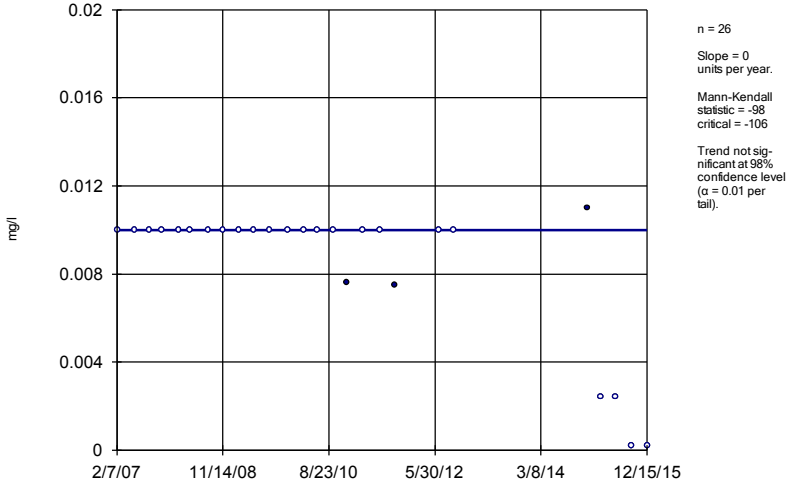
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-577



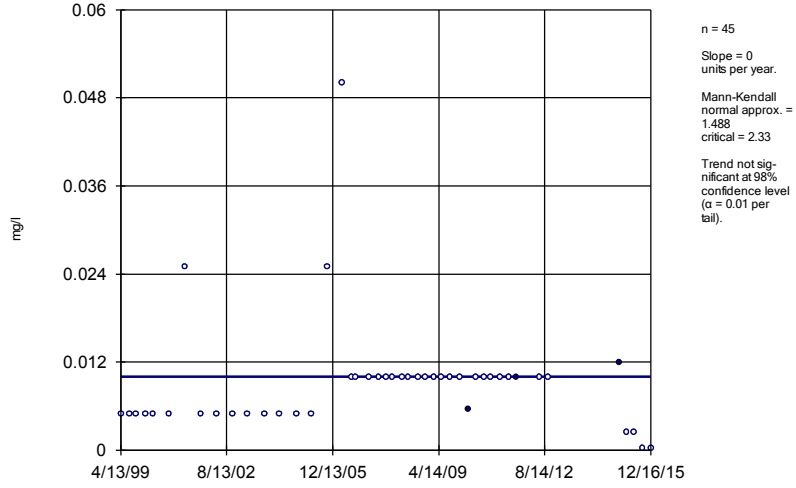
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-6



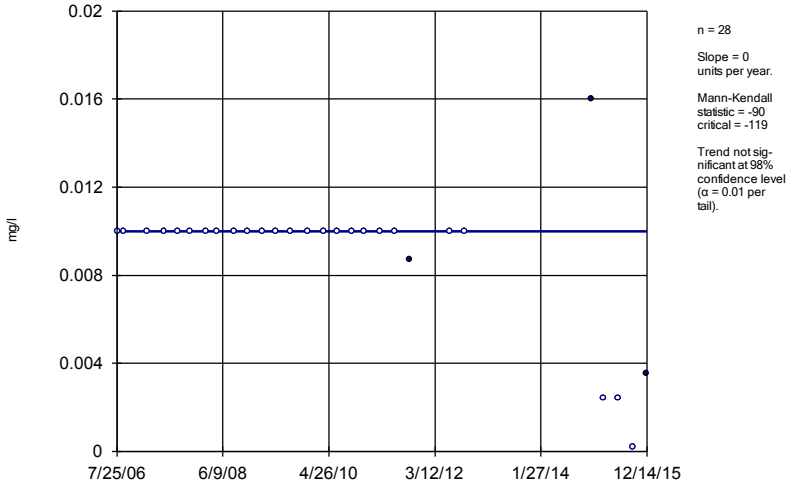
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-633D



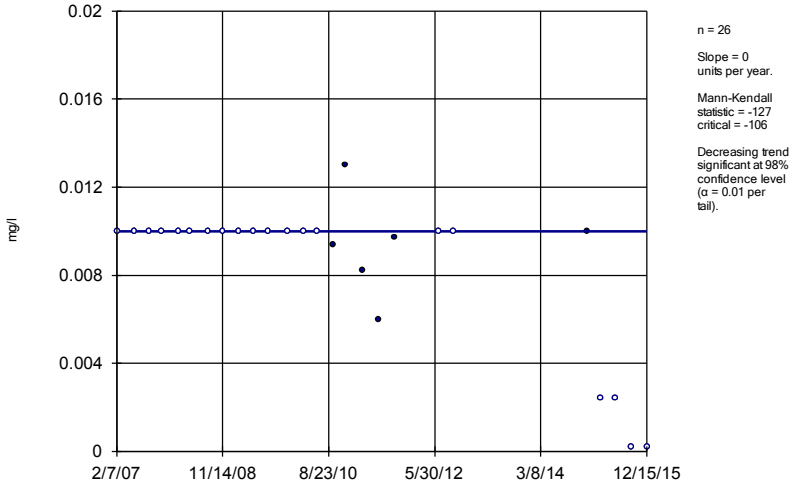
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-689D



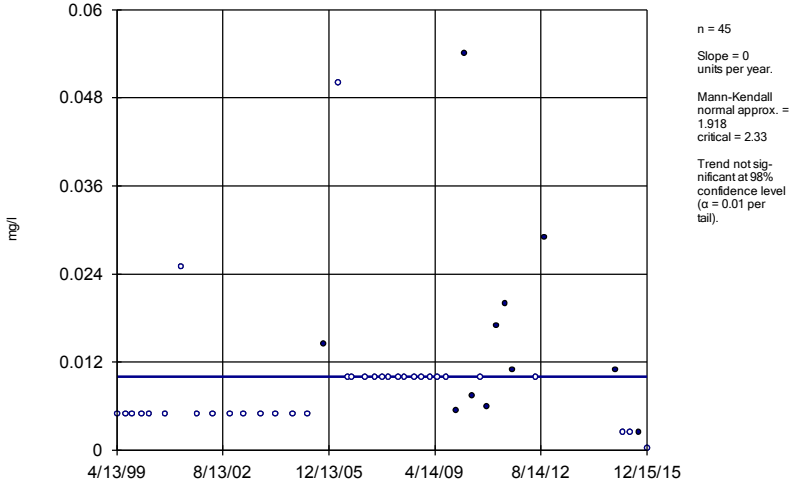
Constituent: Nickel Analysis Run 2/2/2016 2:03 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-7



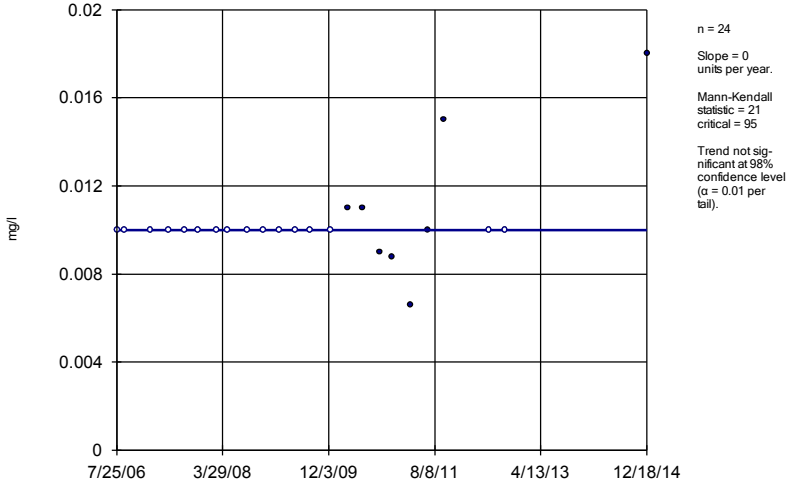
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-1



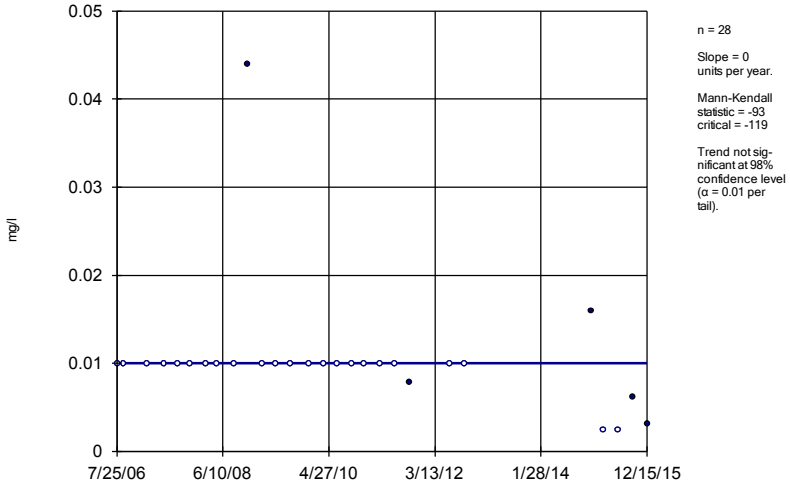
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-2



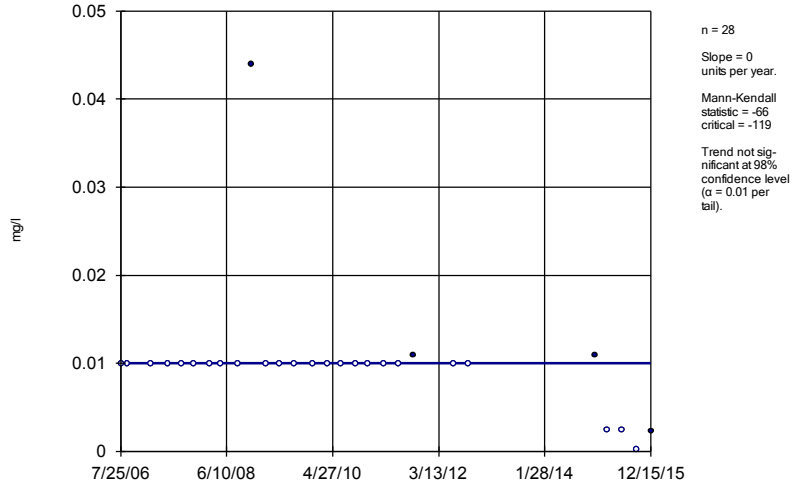
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-3



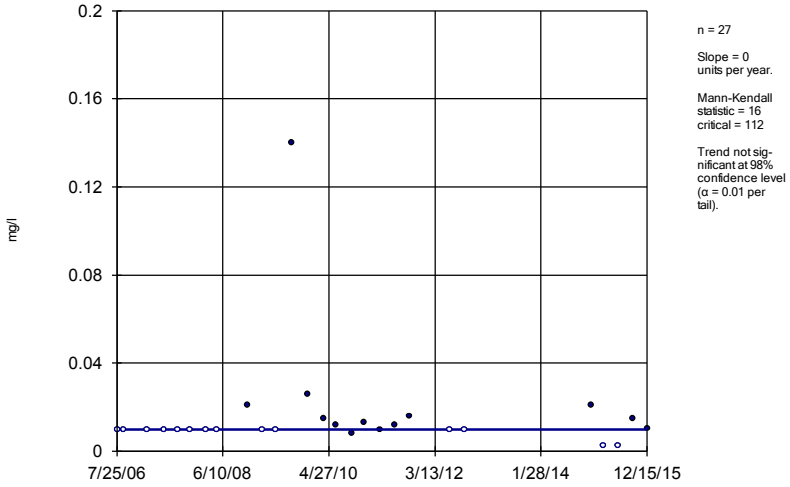
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-4



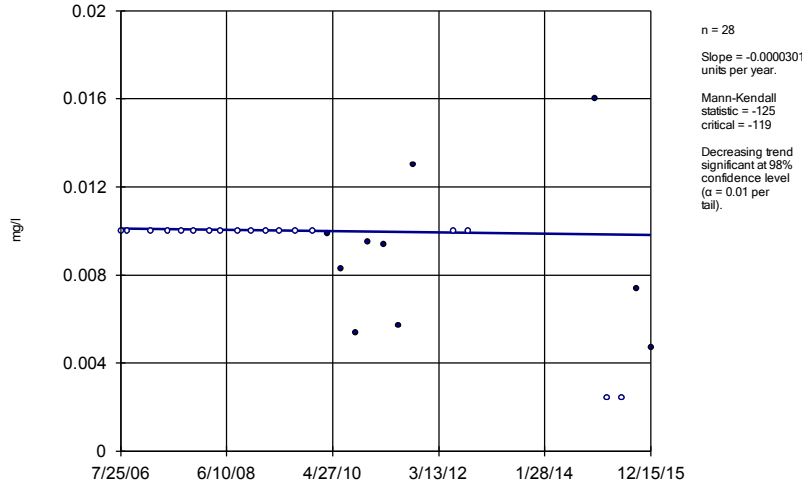
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-7



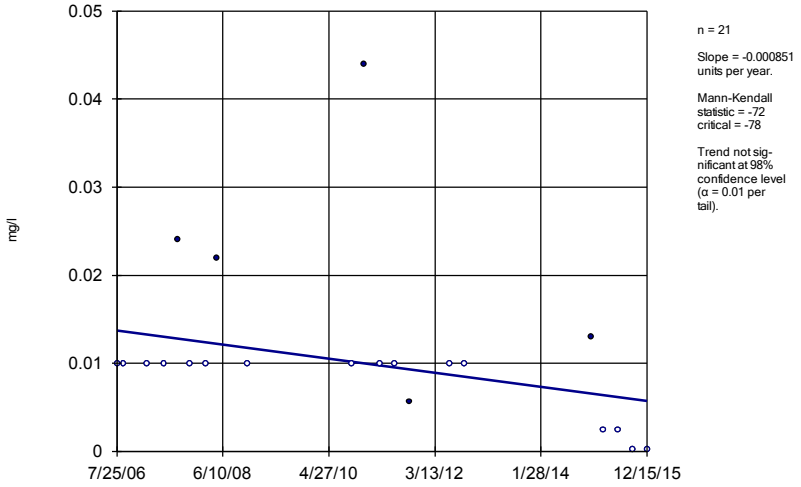
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-8



n = 21

Slope = -0.000851 units per year.

Mann-Kendall statistic = -72
critical = -78

Trend not significant at 98% confidence level (α = 0.01 per tail).

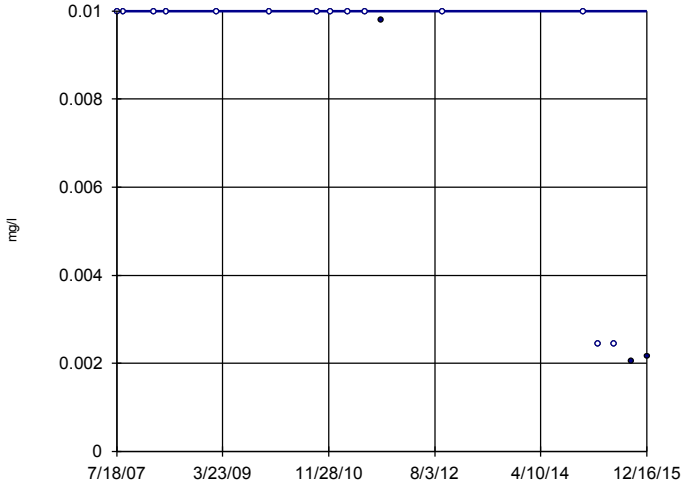
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-7



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -63
critical = -58

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

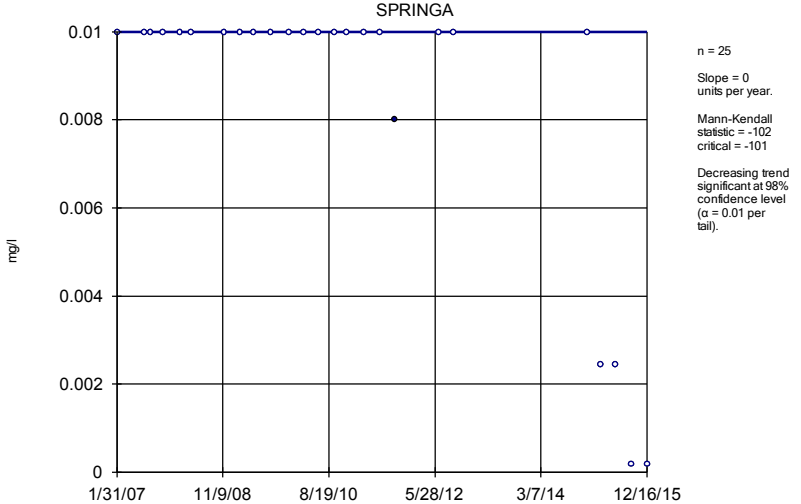
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

SPRINGA



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -102
critical = -101

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

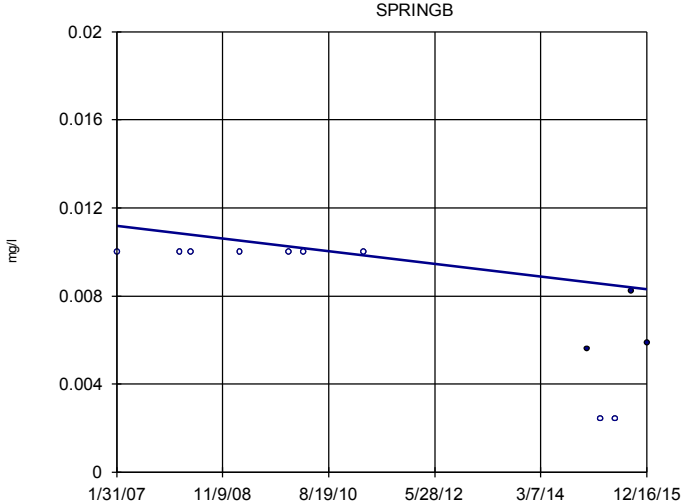
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGB



n = 12

Slope = -0.0003224 units per year.

Mann-Kendall statistic = -32
critical = -35

Trend not significant at 98% confidence level (α = 0.01 per tail).

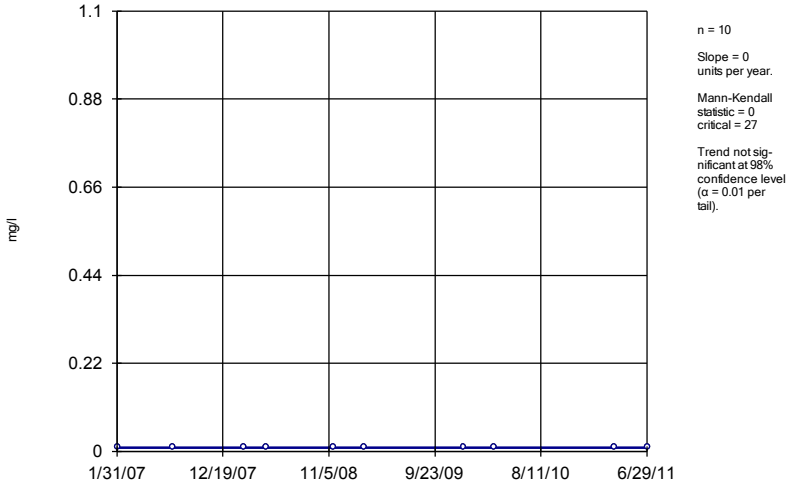
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-1

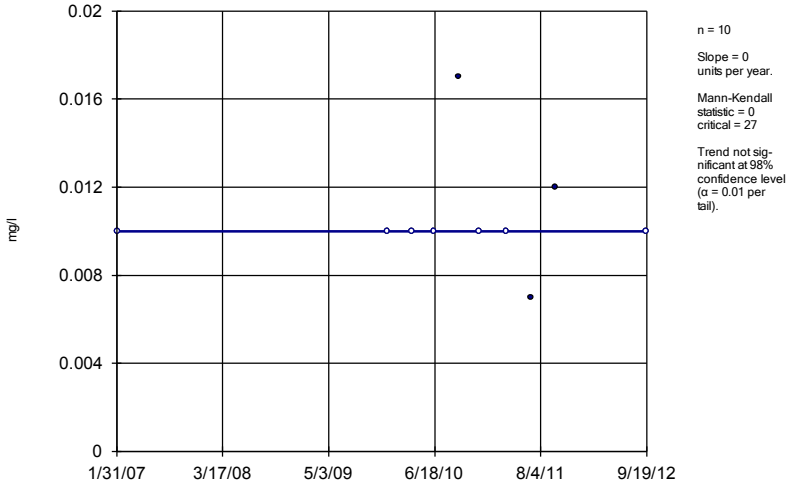


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-2

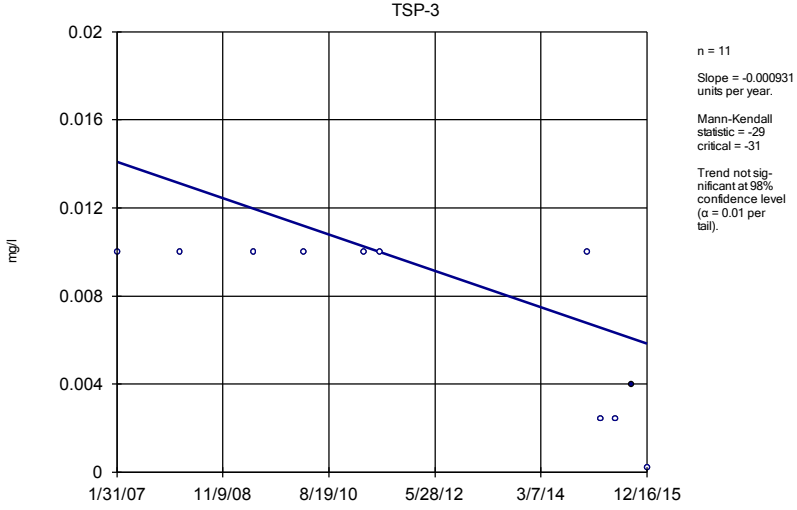


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-3

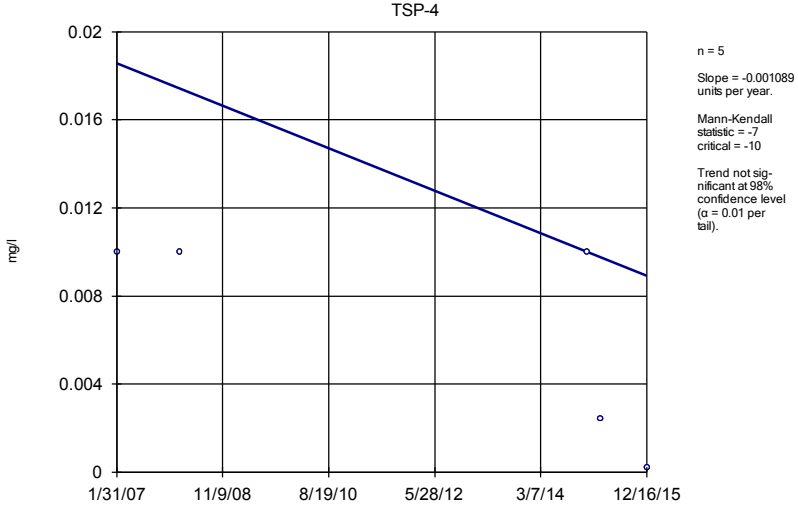


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-4

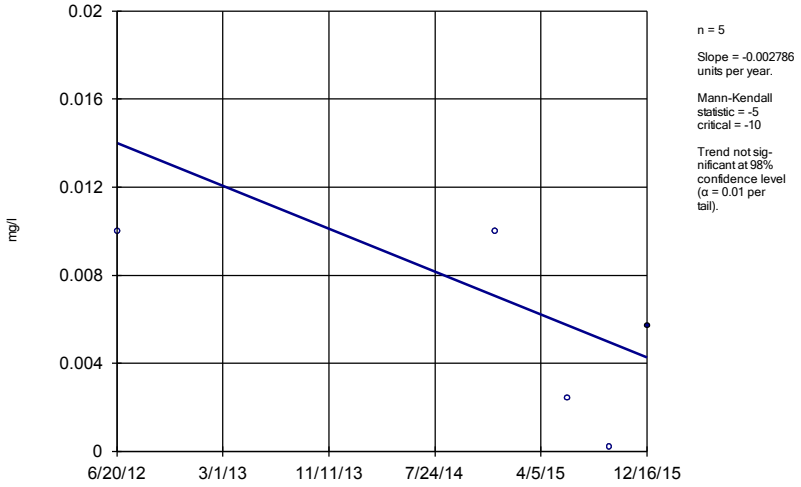


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

LFENTRANCESEEP



n = 5

Slope = -0.002786 units per year.

Mann-Kendall statistic = -5
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

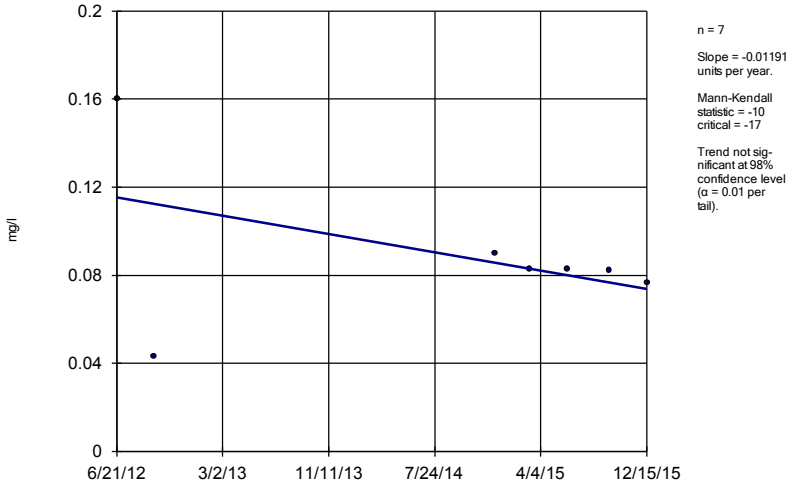
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

MW-1R



n = 7

Slope = -0.01191 units per year.

Mann-Kendall statistic = -10
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

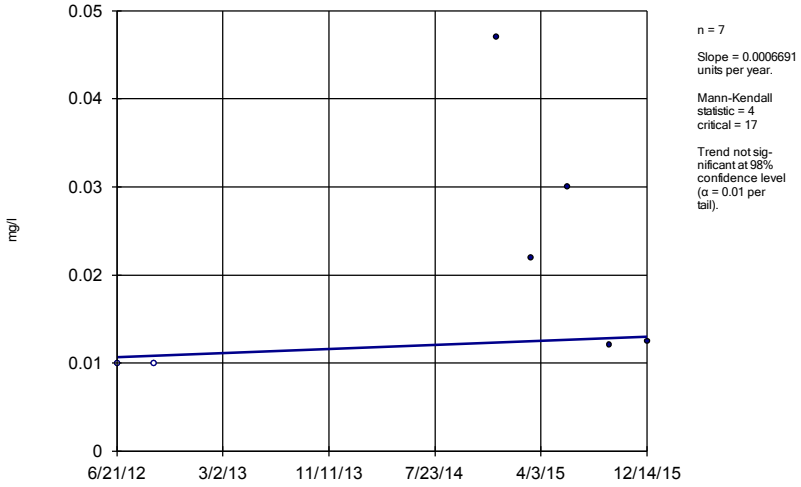
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-2



n = 7

Slope = 0.0006691 units per year.

Mann-Kendall statistic = 4
critical = 17

Trend not significant at 98% confidence level (α = 0.01 per tail).

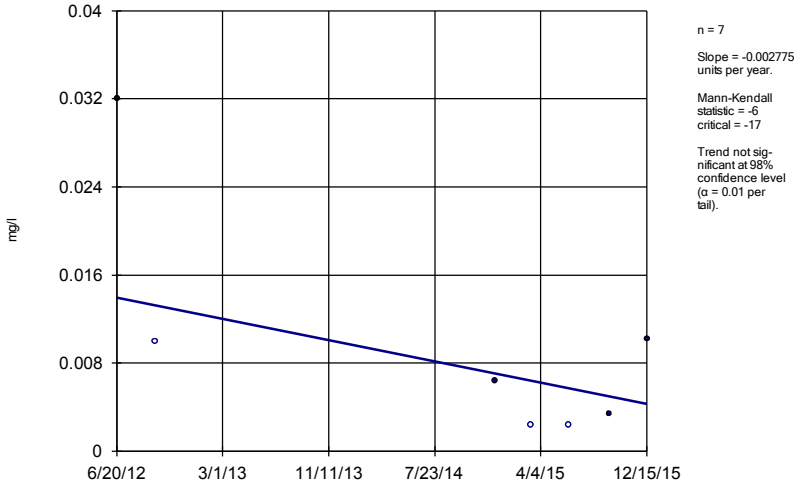
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-3



n = 7

Slope = -0.002775 units per year.

Mann-Kendall statistic = -6
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

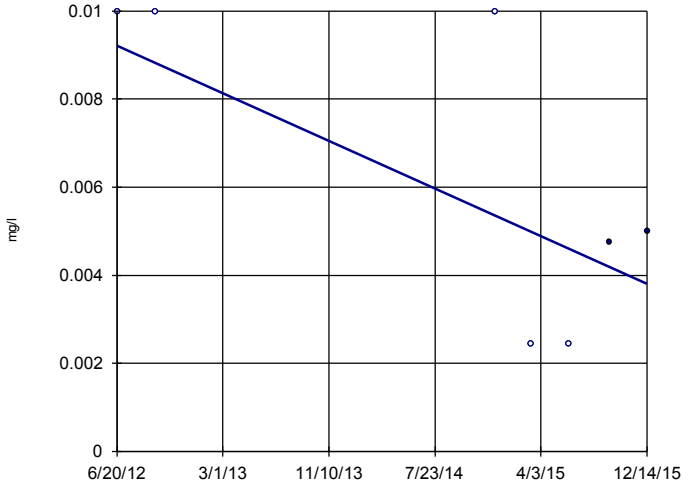
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-6



n = 7

Slope = -0.00155 units per year.

Mann-Kendall statistic = -7
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

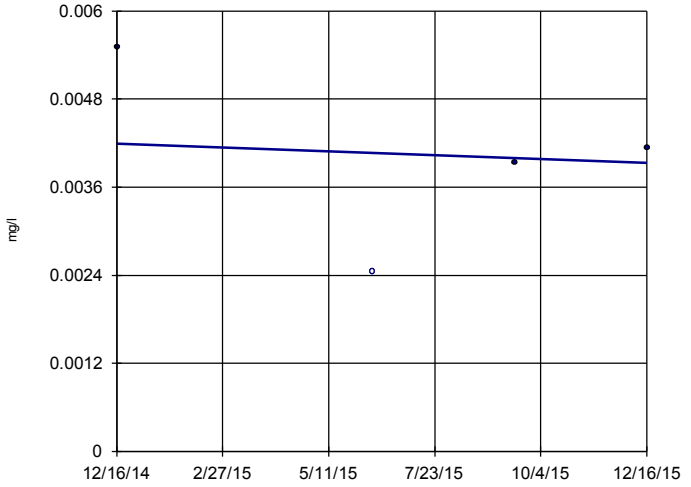
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIDRAW



n = 4

Slope = -0.0002588 units per year.

Mann-Kendall statistic = 0
critical = 8

Trend not significant at 98% confidence level (α = 0.01 per tail).

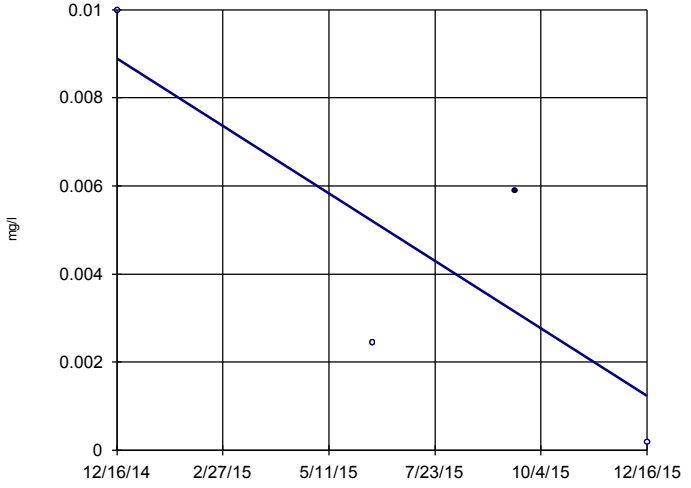
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIVDRAW



n = 4

Slope = -0.00765 units per year.

Mann-Kendall statistic = -4
critical = -8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

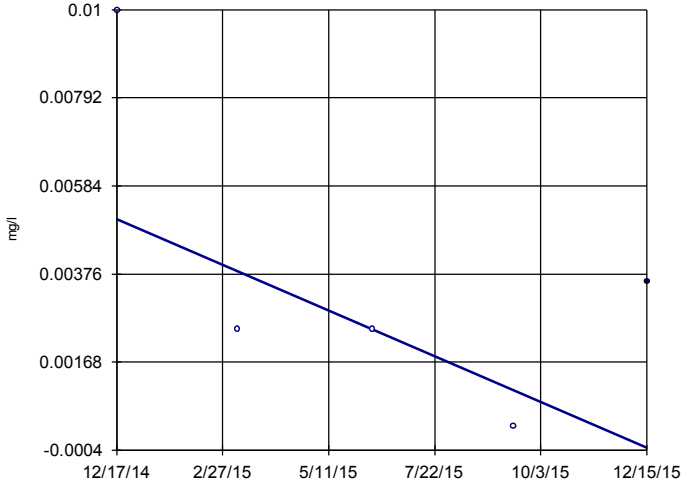
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-NE-3



n = 5

Slope = -0.005424 units per year.

Mann-Kendall statistic = -3
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

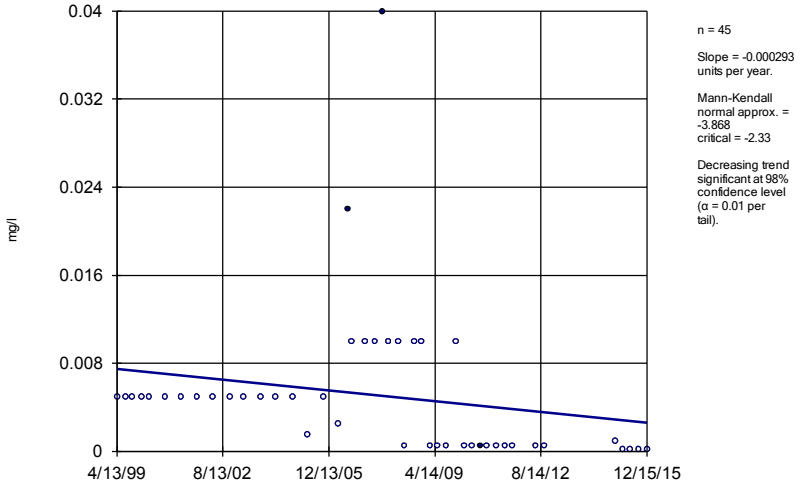
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-4



n = 45

Slope = -0.000293 units per year.

Mann-Kendall normal approx. = -3.868
critical = -2.33

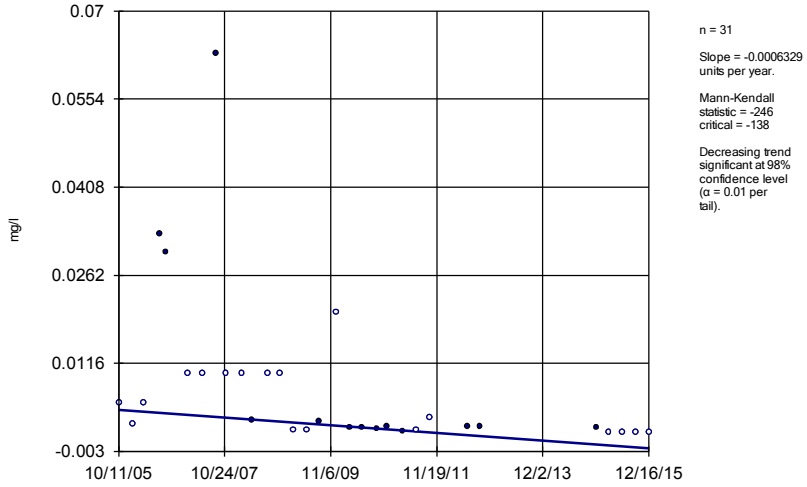
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Selenium Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-1



n = 31

Slope = -0.0006329 units per year.

Mann-Kendall statistic = -246
critical = -138

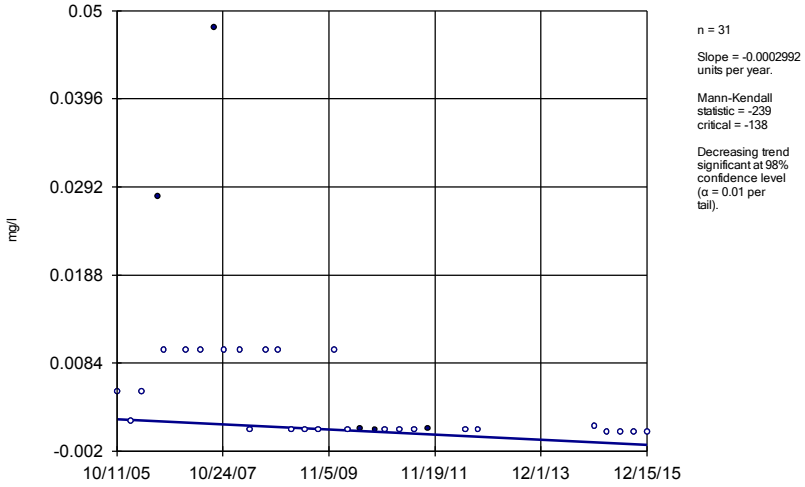
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Selenium Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-2



n = 31

Slope = -0.0002992 units per year.

Mann-Kendall statistic = -239
critical = -138

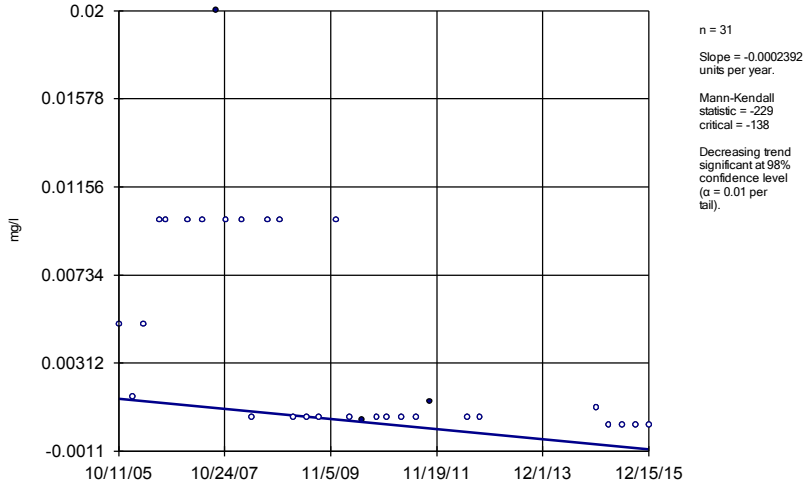
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Selenium Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-3



n = 31

Slope = -0.0002392 units per year.

Mann-Kendall statistic = -229
critical = -138

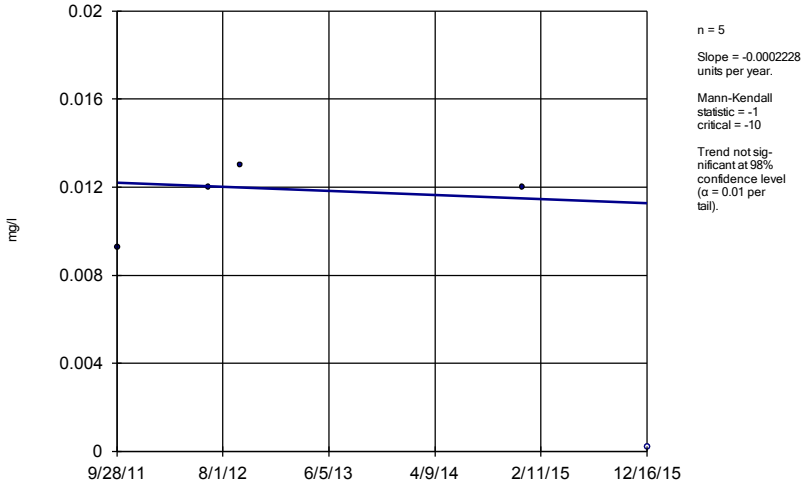
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Selenium Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

LEACHATE



n = 5

Slope = -0.0002228 units per year.

Mann-Kendall statistic = -1
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

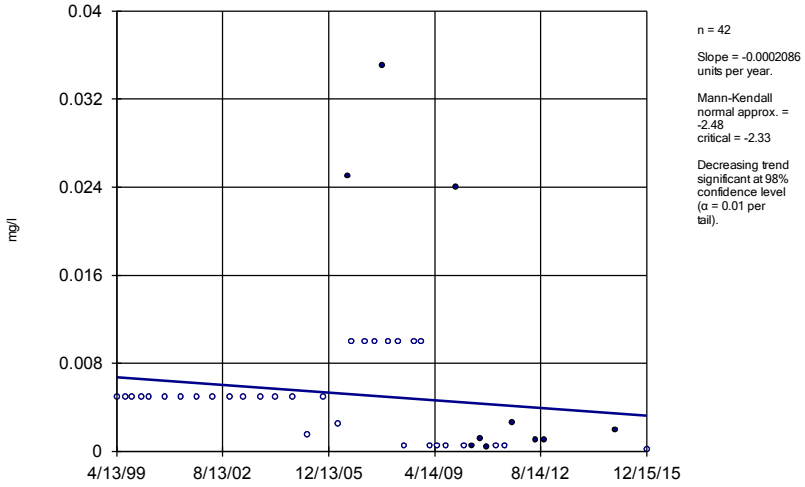
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1



n = 42

Slope = -0.0002086 units per year.

Mann-Kendall normal approx. = -2.48
critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

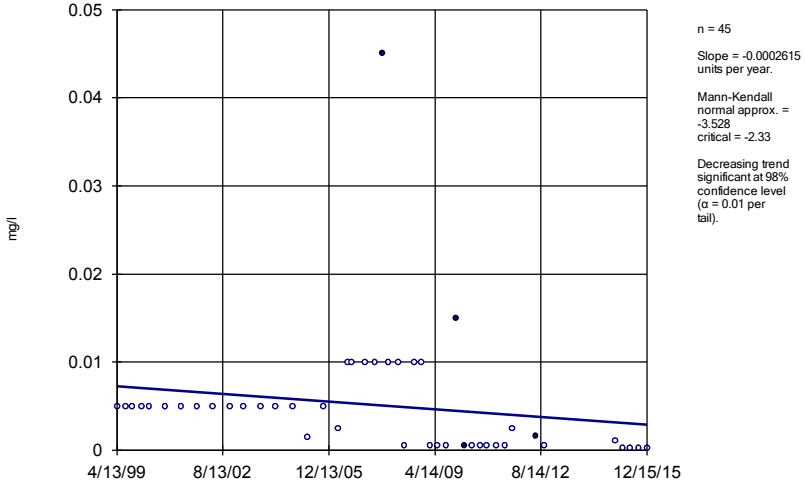
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-2



n = 45

Slope = -0.0002615 units per year.

Mann-Kendall normal approx. = -3.528
critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

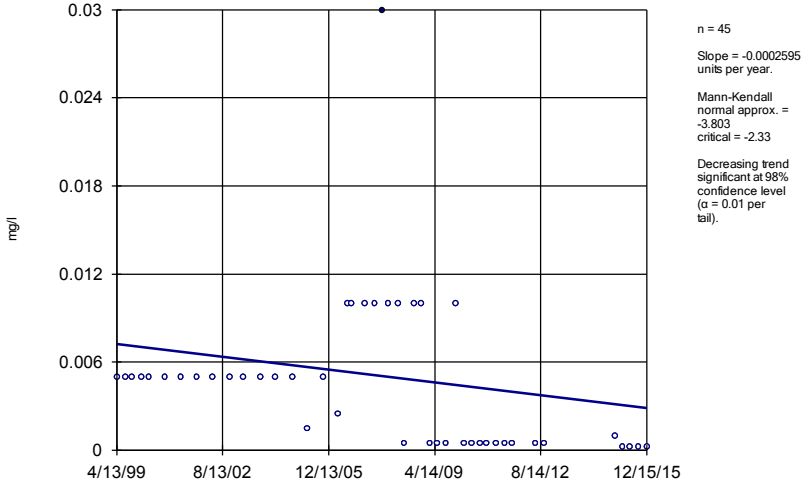
Constituent: Selenium Analysis Run 2/2/2016 2:03 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-3



n = 45

Slope = -0.0002595 units per year.

Mann-Kendall normal approx. = -3.803
critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

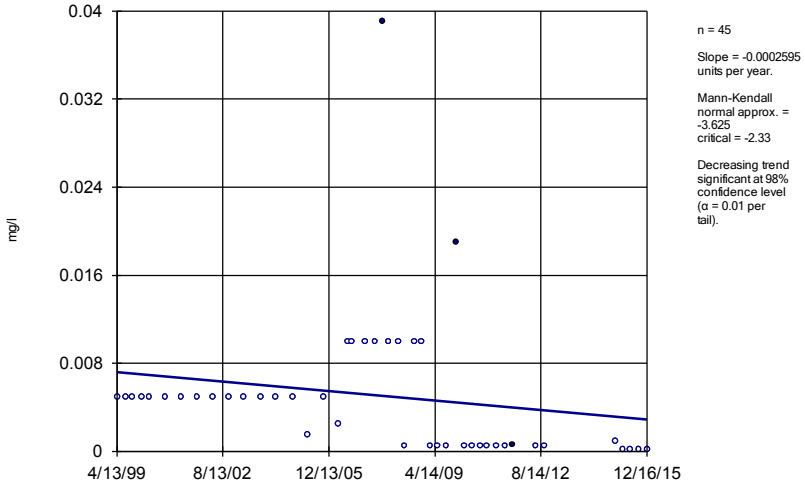
Constituent: Selenium Analysis Run 2/2/2016 2:03 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-5



n = 45

Slope = -0.0002595 units per year.

Mann-Kendall normal approx. = -3.625
critical = -2.33

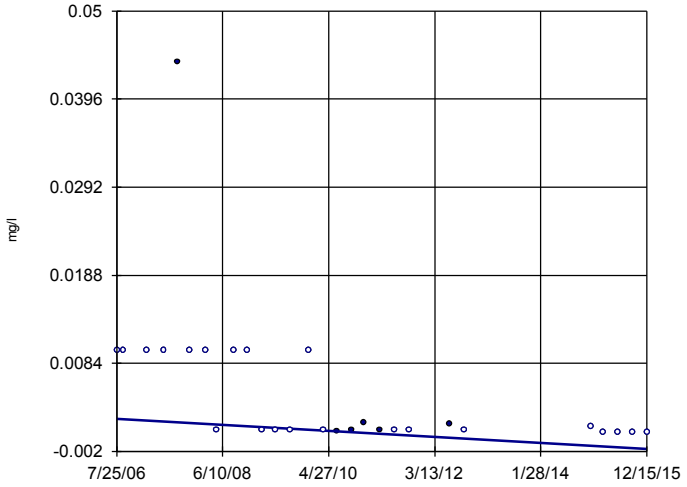
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Selenium Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-509D



n = 28

Slope = -0.000377 units per year.

Mann-Kendall statistic = -206
critical = -119

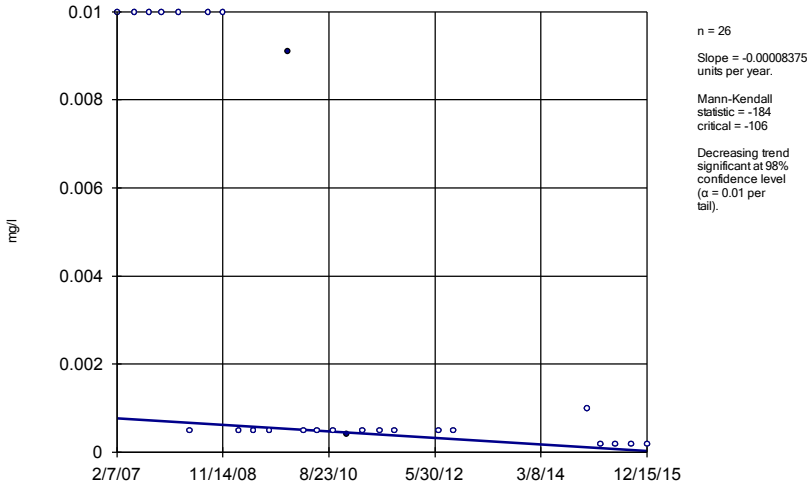
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Selenium Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-577



n = 26

Slope = -0.00008375 units per year.

Mann-Kendall statistic = -184
critical = -106

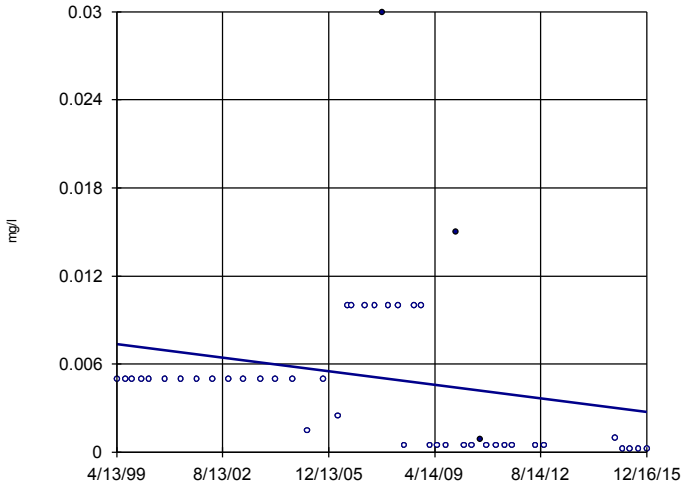
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Selenium Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-6



n = 45

Slope = -0.0002777 units per year.

Mann-Kendall normal approx. = -3.706
critical = -2.33

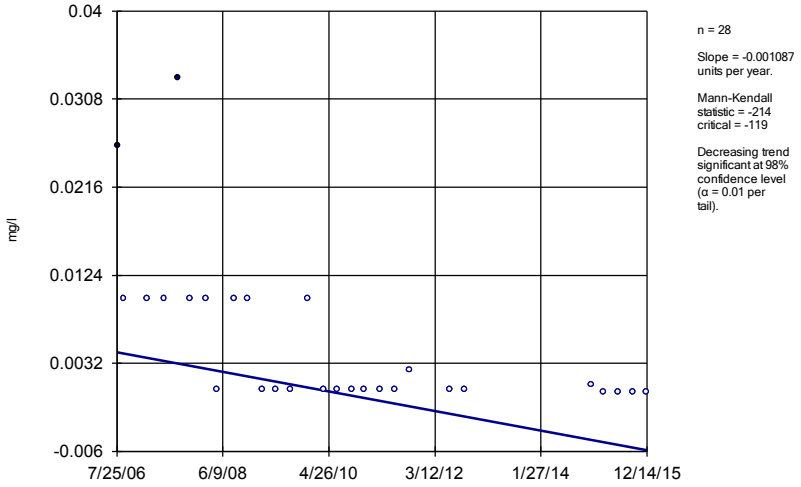
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Selenium Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-633D



n = 28

Slope = -0.001087 units per year.

Mann-Kendall statistic = -214
critical = -119

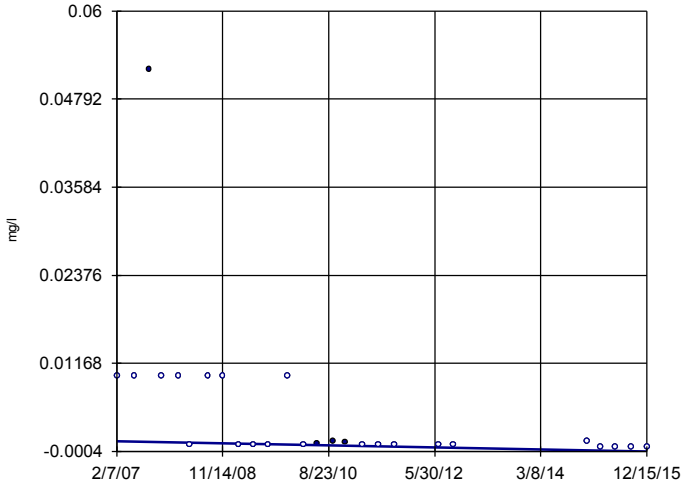
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Selenium Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-689D



n = 26

Slope = -0.000155 units per year.

Mann-Kendall statistic = -178
critical = -106

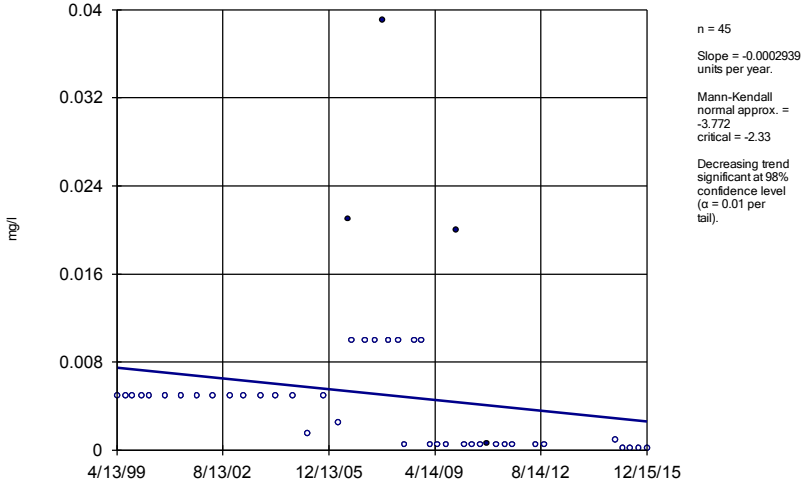
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Selenium Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-7



n = 45

Slope = -0.0002939 units per year.

Mann-Kendall normal approx. = -3.772
critical = -2.33

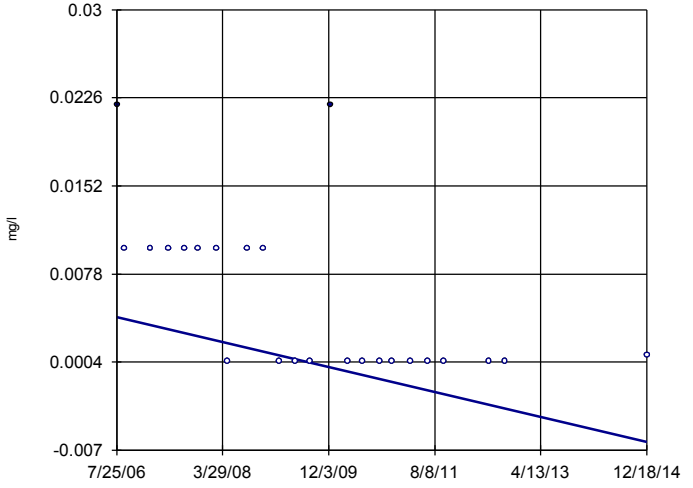
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Selenium Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-1



n = 24

Slope = -0.001247 units per year.

Mann-Kendall statistic = -115
critical = -95

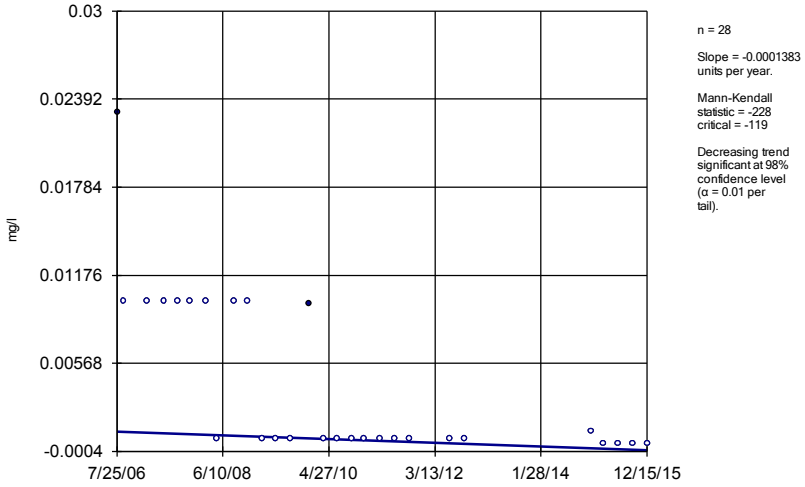
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Selenium Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-2



n = 28

Slope = -0.0001383 units per year.

Mann-Kendall statistic = -228
critical = -119

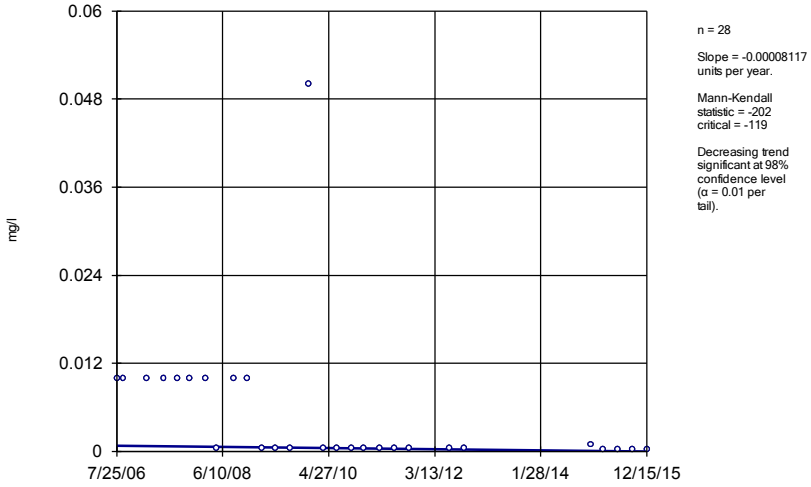
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Selenium Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-3



n = 28

Slope = -0.00008117 units per year.

Mann-Kendall statistic = -202
critical = -119

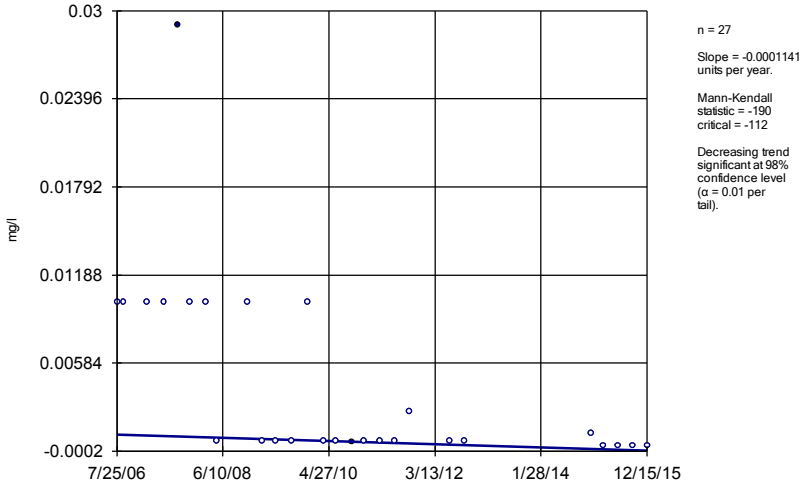
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Selenium Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-4



n = 27

Slope = -0.0001141 units per year.

Mann-Kendall statistic = -190
critical = -112

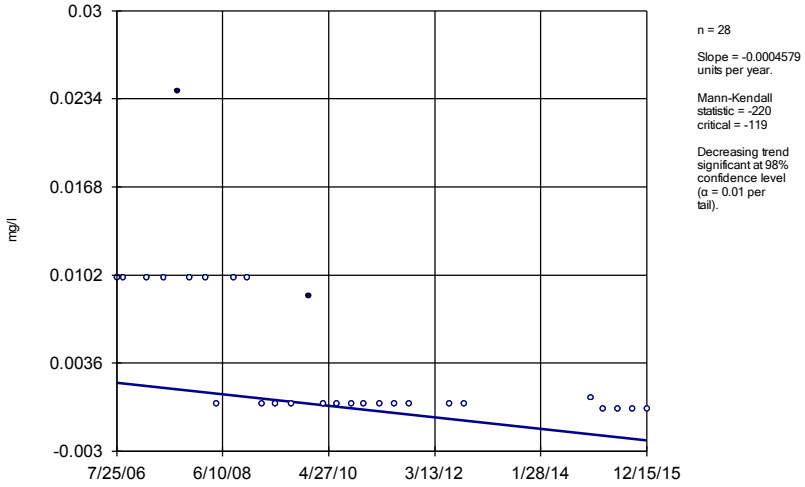
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Selenium Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-7



n = 28

Slope = -0.0004579 units per year.

Mann-Kendall statistic = -220
critical = -119

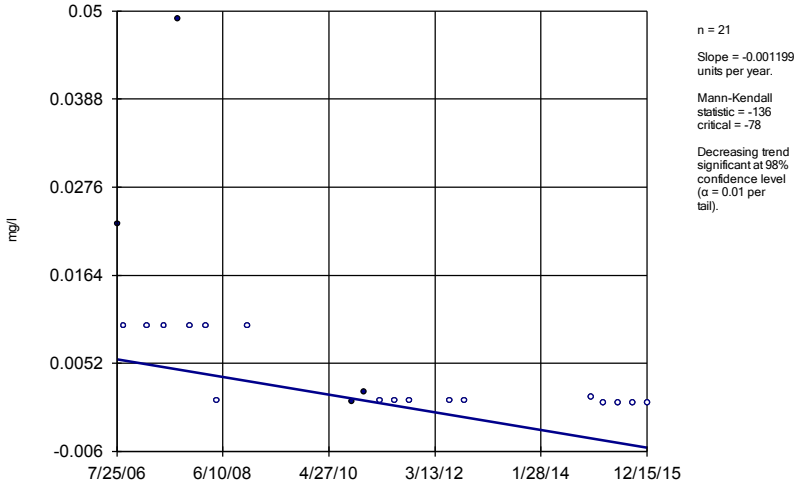
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Selenium Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-8



n = 21

Slope = -0.001199 units per year.

Mann-Kendall statistic = -136
critical = -78

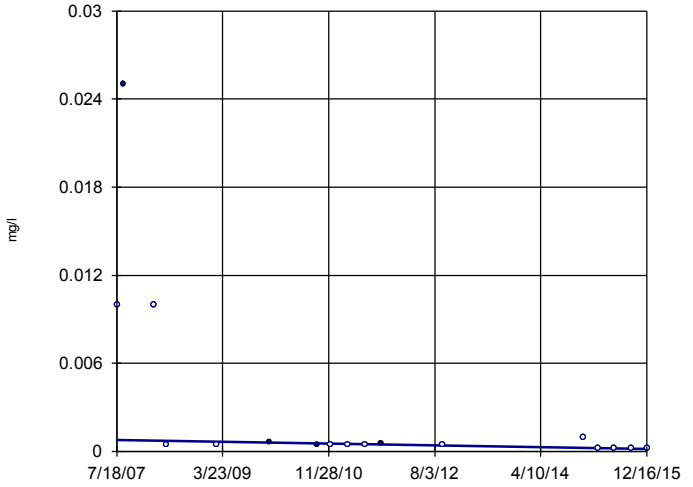
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Selenium Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-7



n = 17

Slope = -0.00007314 units per year.

Mann-Kendall statistic = -70
critical = -58

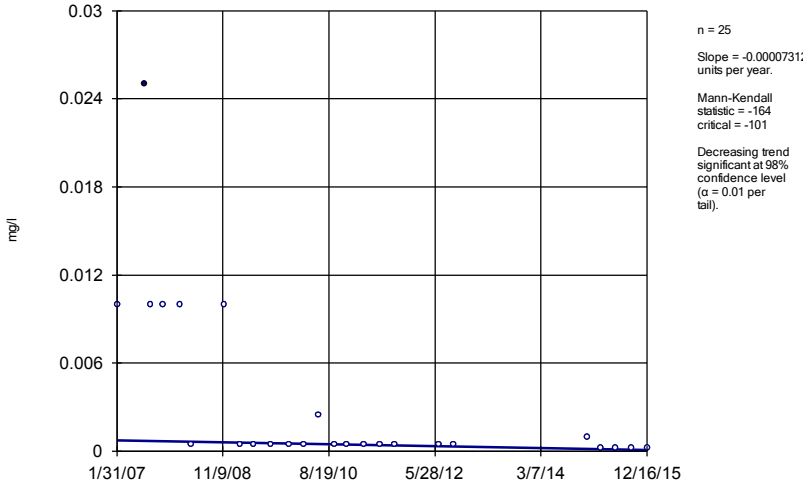
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Selenium Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGA



n = 25

Slope = -0.00007312 units per year.

Mann-Kendall statistic = -164
critical = -101

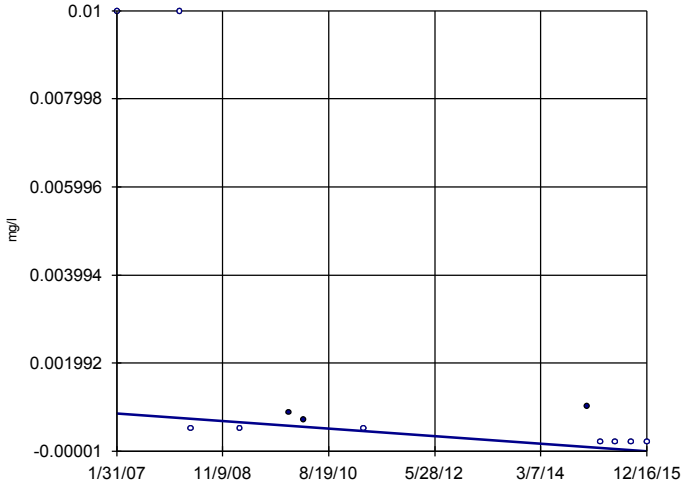
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Selenium Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGB



n = 12

Slope = -0.0000972 units per year.

Mann-Kendall statistic = -38
critical = -35

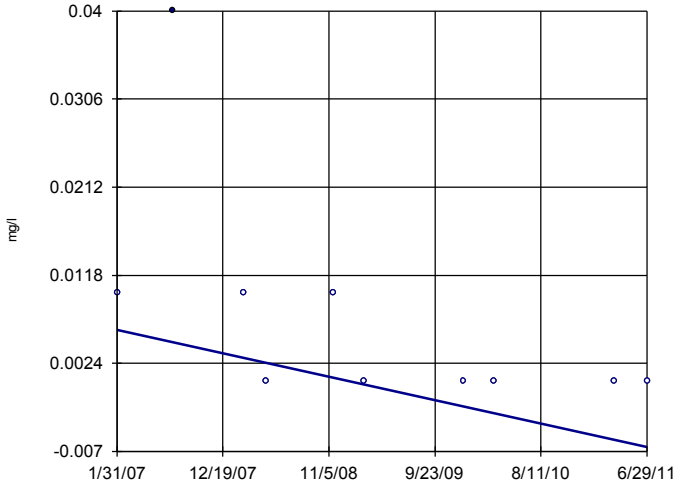
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Selenium Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-1



n = 10

Slope = -0.002835 units per year.

Mann-Kendall statistic = -23
critical = -27

Trend not significant at 98% confidence level (α = 0.01 per tail).

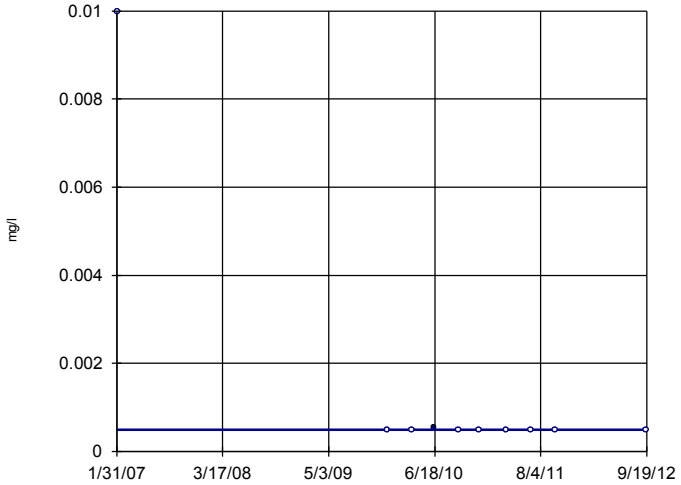
Constituent: Selenium Analysis Run 2/2/2016 2:03 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-2



n = 10

Slope = 0 units per year.

Mann-Kendall statistic = -13
critical = -27

Trend not significant at 98% confidence level (α = 0.01 per tail).

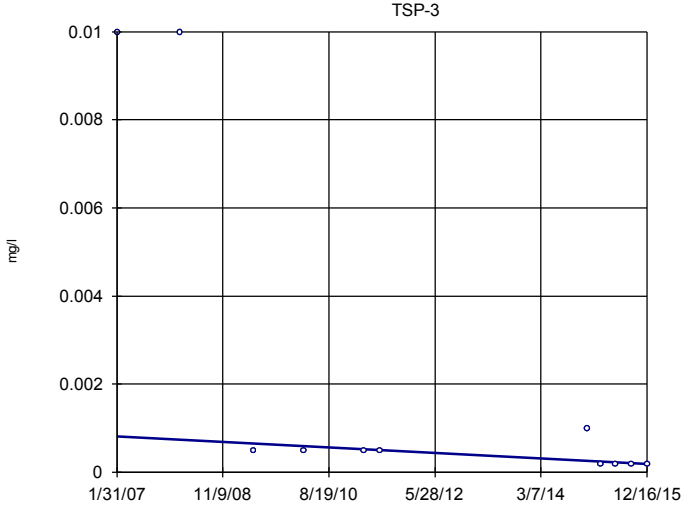
Constituent: Selenium Analysis Run 2/2/2016 2:03 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-3



n = 11

Slope = -0.00006937 units per year.

Mann-Kendall statistic = -34
critical = -31

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

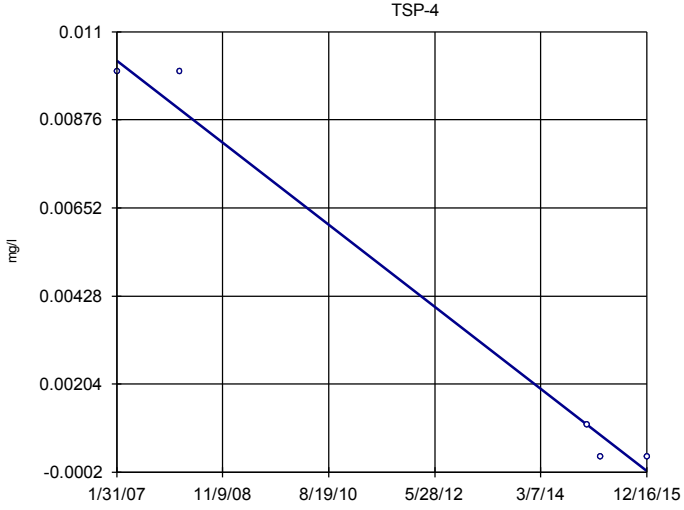
Constituent: Selenium Analysis Run 2/2/2016 2:03 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-4



n = 5

Slope = -0.001176 units per year.

Mann-Kendall statistic = -8
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

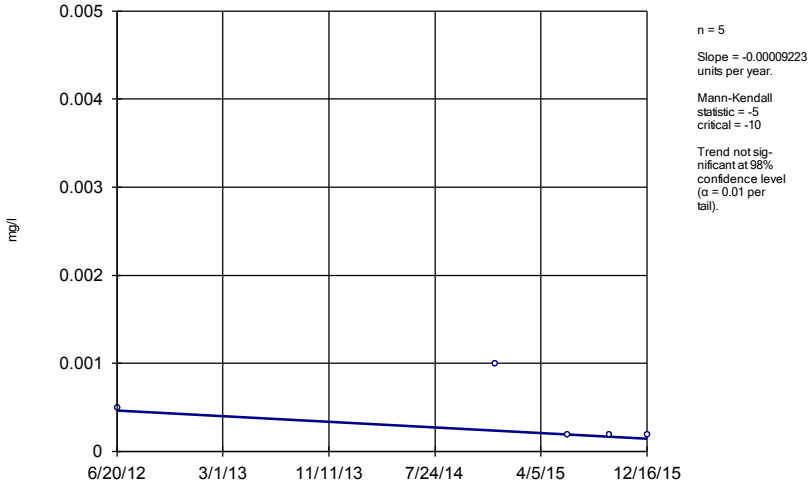
Constituent: Selenium Analysis Run 2/2/2016 2:03 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

LFENTRANCESEEP



n = 5

Slope = -0.00009223 units per year.

Mann-Kendall statistic = -5
critical = -10

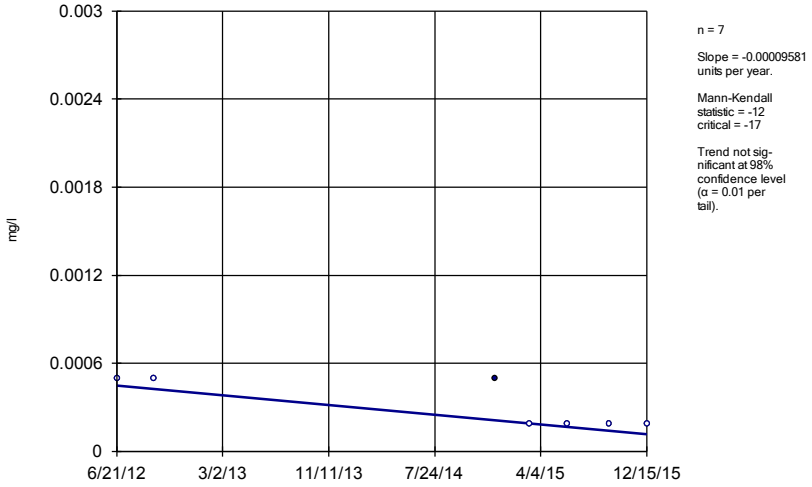
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Selenium Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1R



n = 7

Slope = -0.00009581 units per year.

Mann-Kendall statistic = -12
critical = -17

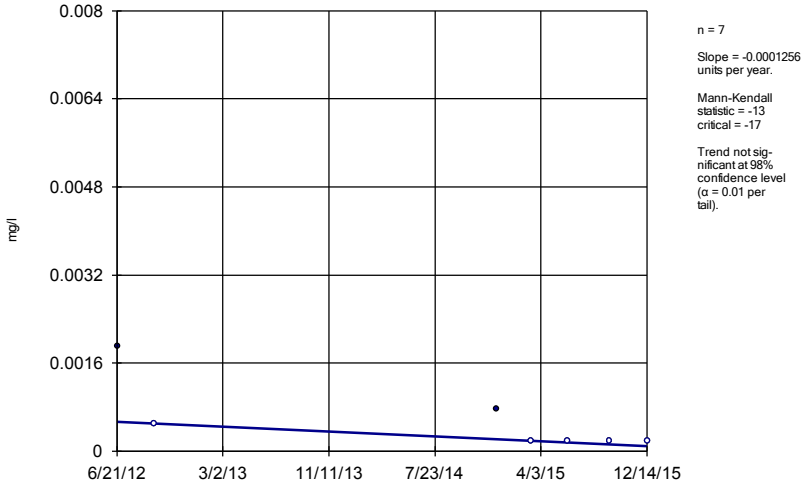
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Selenium Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-2



n = 7

Slope = -0.0001256 units per year.

Mann-Kendall statistic = -13
critical = -17

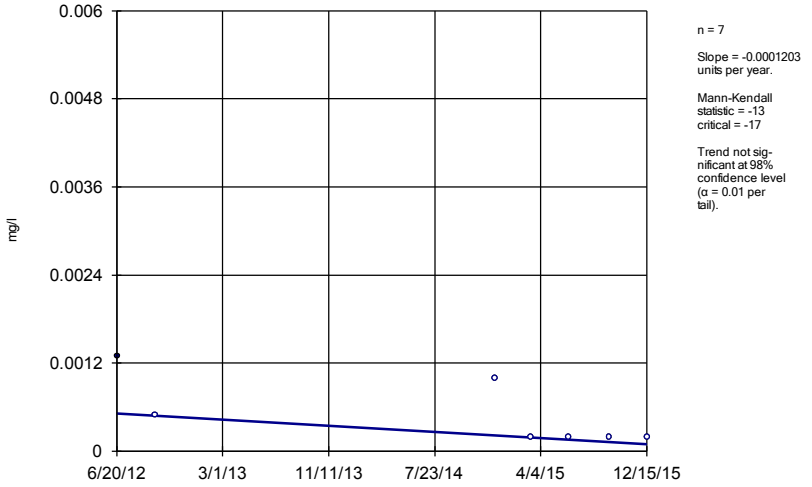
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Selenium Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-3



n = 7

Slope = -0.0001203 units per year.

Mann-Kendall statistic = -13
critical = -17

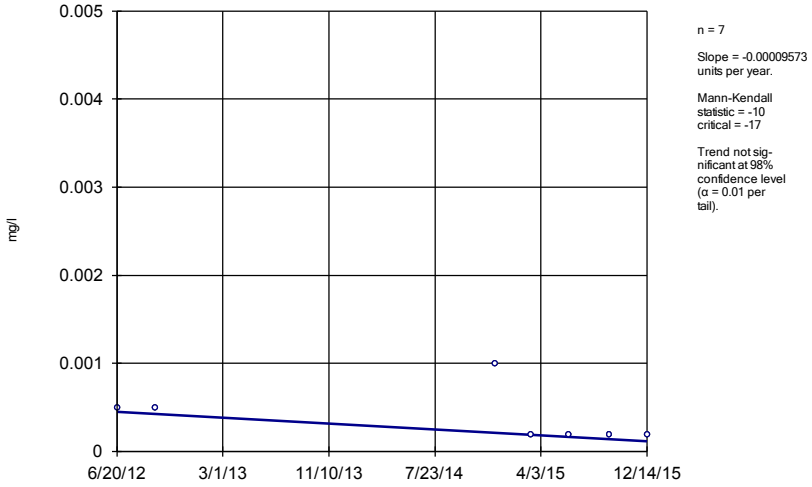
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Selenium Analysis Run 2/2/2016 2:03 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-6



n = 7

Slope = -0.00009573 units per year.

Mann-Kendall statistic = -10
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

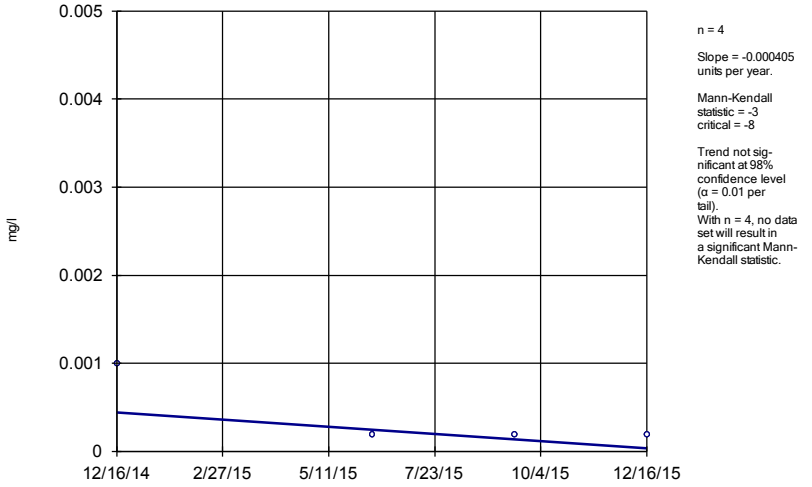
Constituent: Selenium Analysis Run 2/2/2016 2:04 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIDRAW



n = 4

Slope = -0.000405 units per year.

Mann-Kendall statistic = -3
critical = -8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

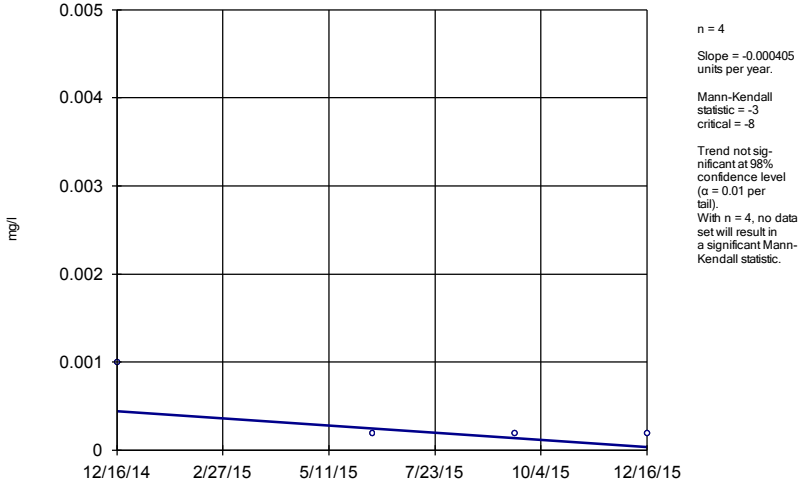
Constituent: Selenium Analysis Run 2/2/2016 2:04 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIVDRAW



n = 4

Slope = -0.000405 units per year.

Mann-Kendall statistic = -3
critical = -8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

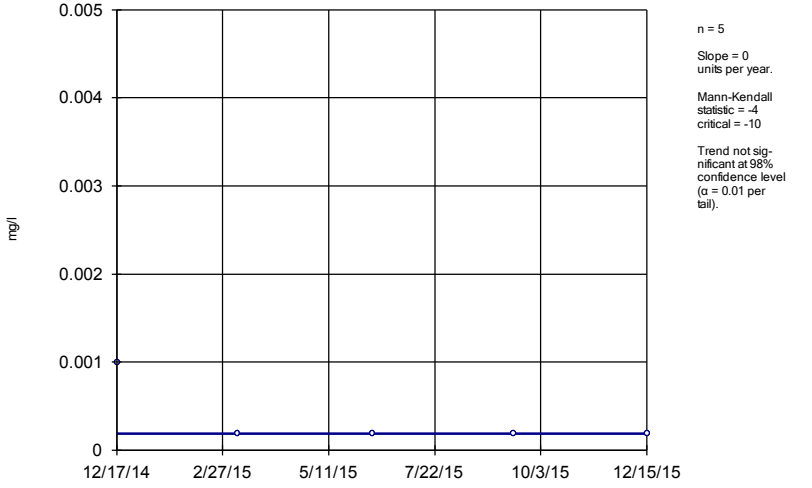
Constituent: Selenium Analysis Run 2/2/2016 2:04 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-NE-3



n = 5

Slope = 0 units per year.

Mann-Kendall statistic = -4
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

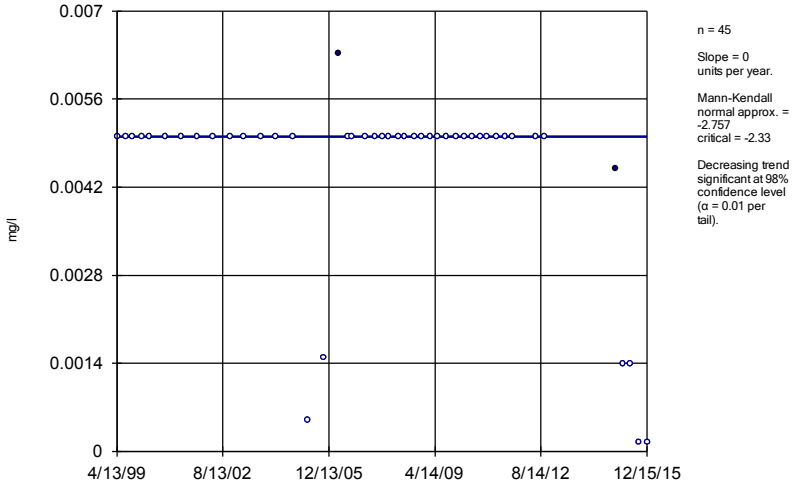
Constituent: Selenium Analysis Run 2/2/2016 2:04 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-4



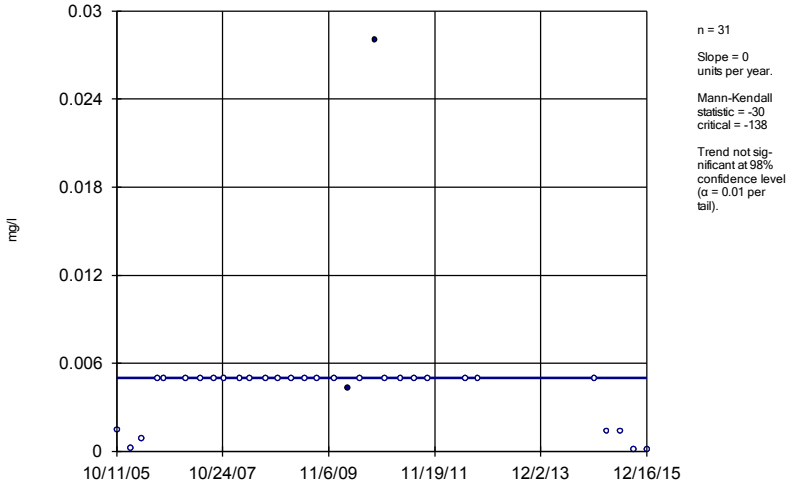
Constituent: Silver Analysis Run 2/2/2016 2:04 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-1



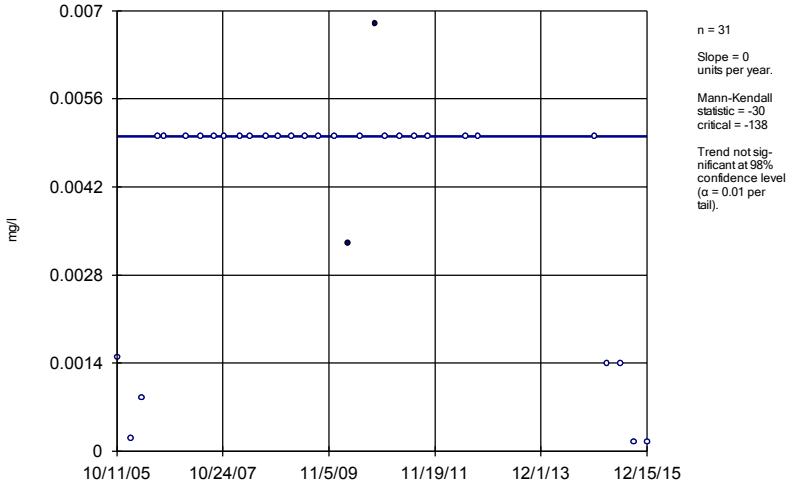
Constituent: Silver Analysis Run 2/2/2016 2:04 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-2



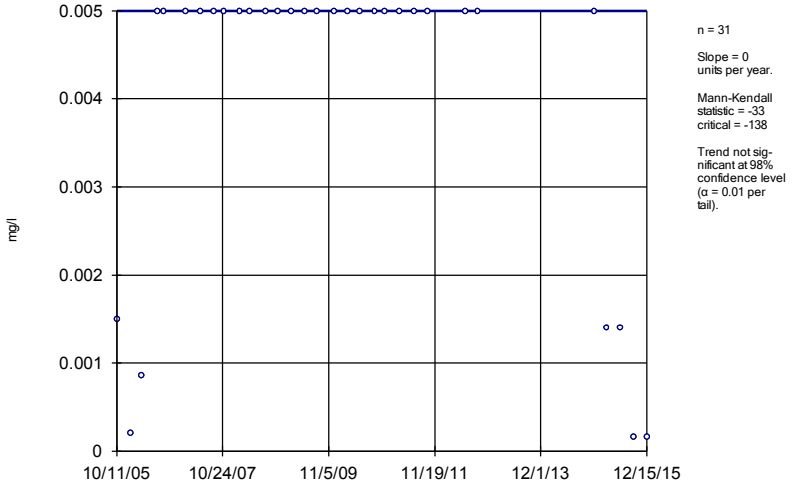
Constituent: Silver Analysis Run 2/2/2016 2:04 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-3



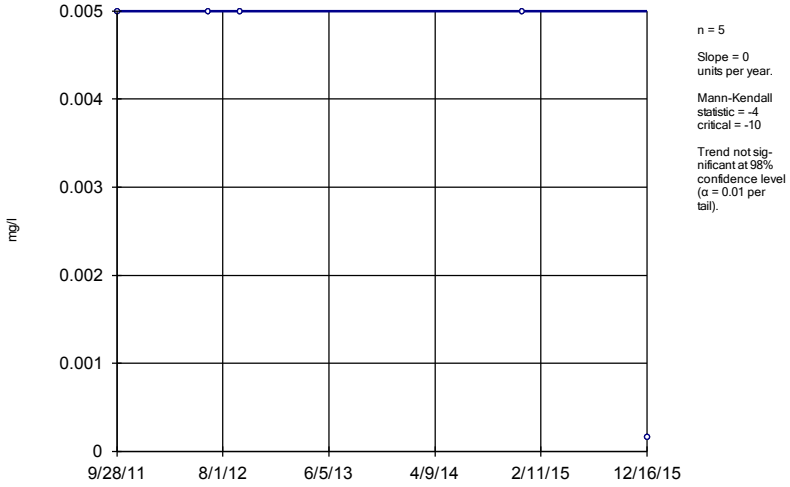
Constituent: Silver Analysis Run 2/2/2016 2:04 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

LEACHATE



n = 5

Slope = 0 units per year.

Mann-Kendall statistic = -4
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

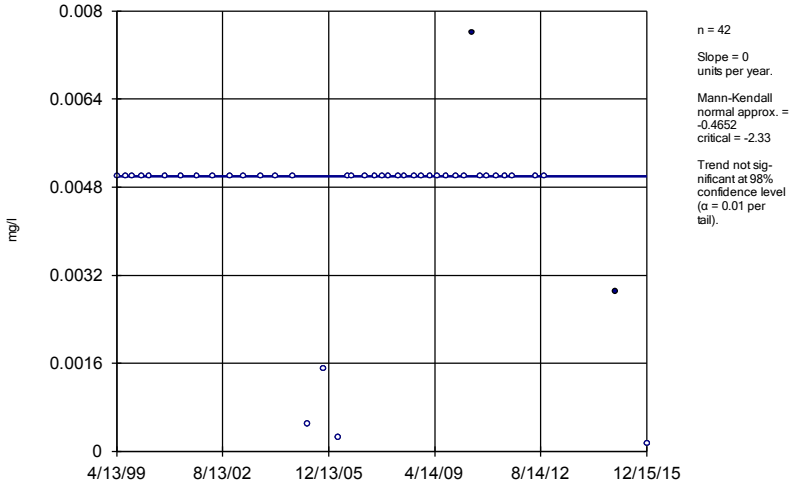
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1



n = 42

Slope = 0 units per year.

Mann-Kendall normal approx. = -0.4652
critical = -2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

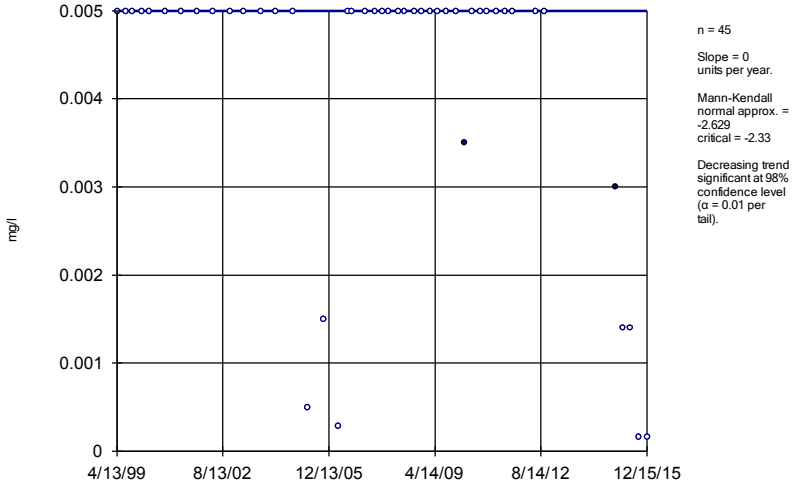
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-2



n = 45

Slope = 0 units per year.

Mann-Kendall normal approx. = -2.629
critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

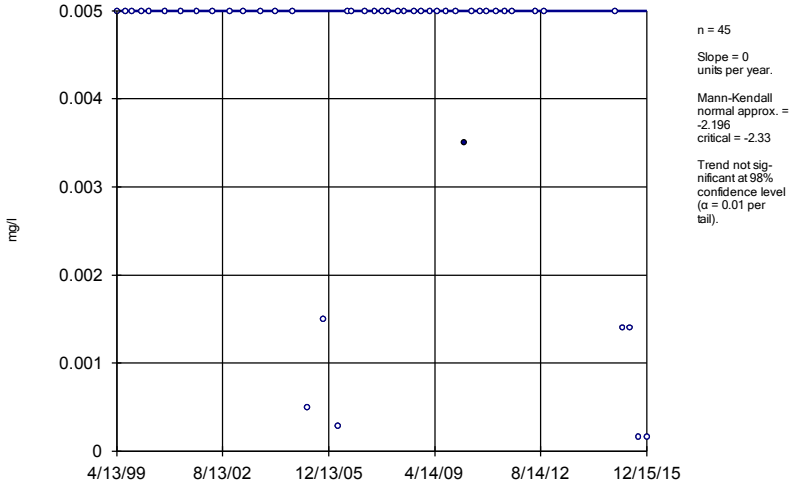
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-3



n = 45

Slope = 0 units per year.

Mann-Kendall normal approx. = -2.196
critical = -2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

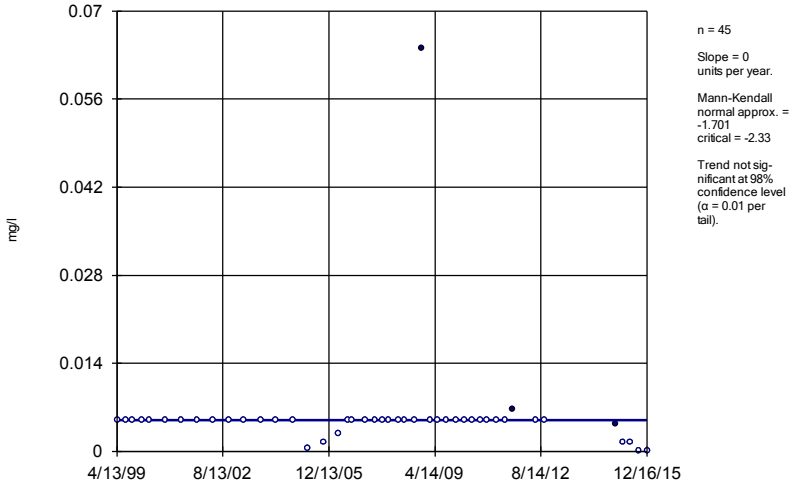
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-5



n = 45

Slope = 0 units per year.

Mann-Kendall normal approx. = -1.701
critical = -2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

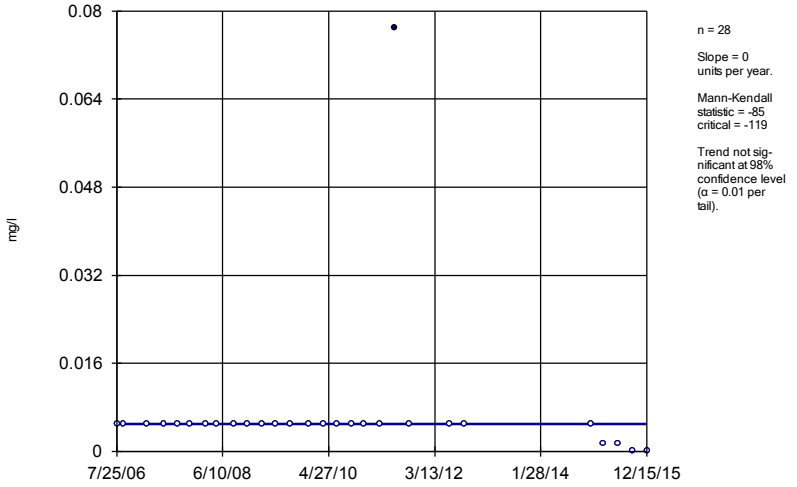
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-509D



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = -85
critical = -119

Trend not significant at 98% confidence level (α = 0.01 per tail).

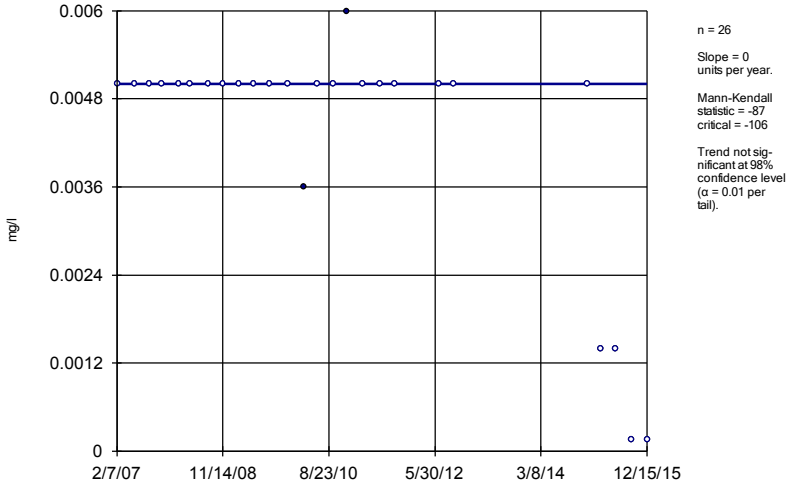
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-577



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = -87
critical = -106

Trend not significant at 98% confidence level (α = 0.01 per tail).

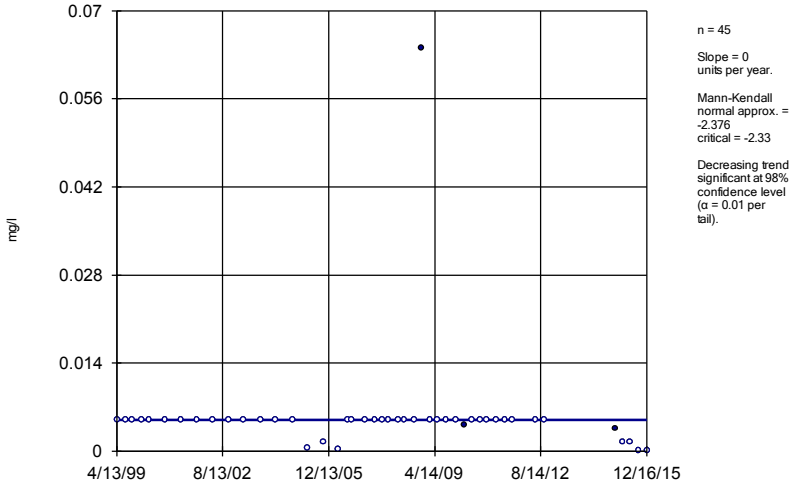
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-6



n = 45

Slope = 0 units per year.

Mann-Kendall normal approx. = -2.376
critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

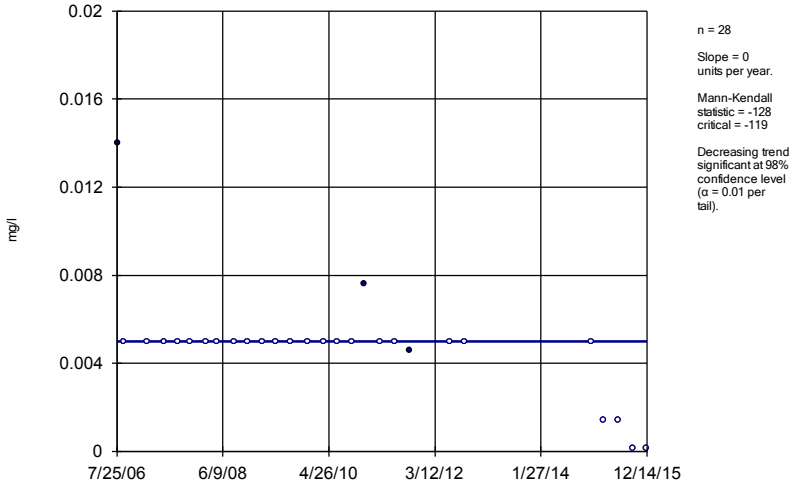
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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-633D



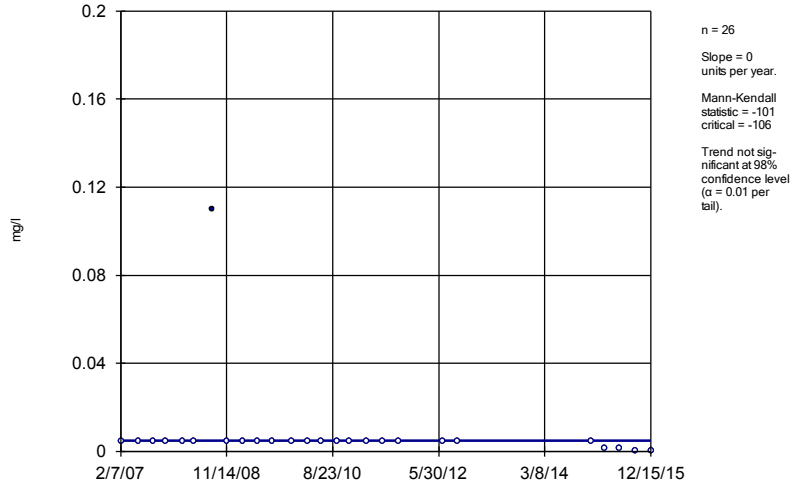
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-689D



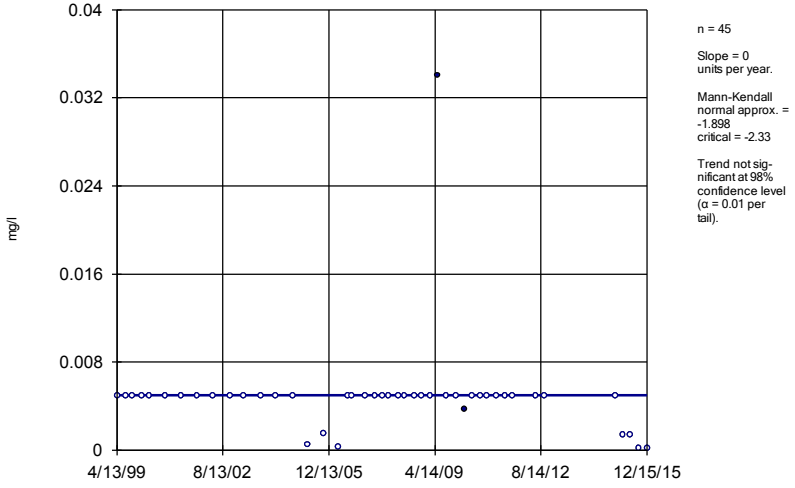
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-7



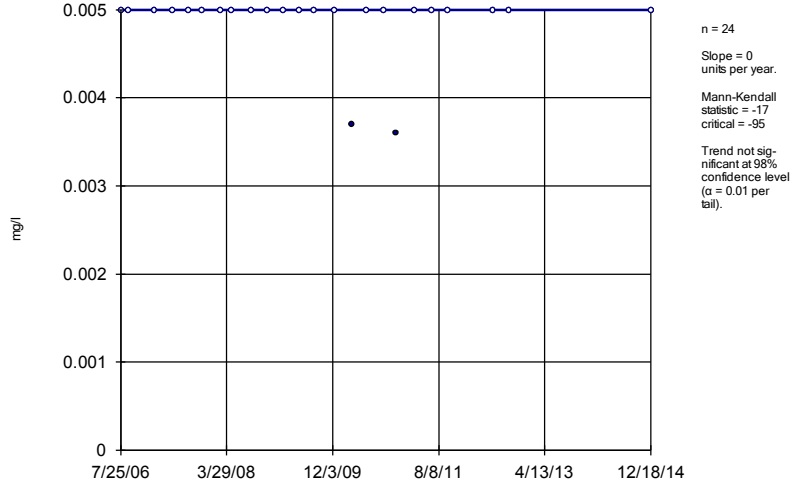
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-1



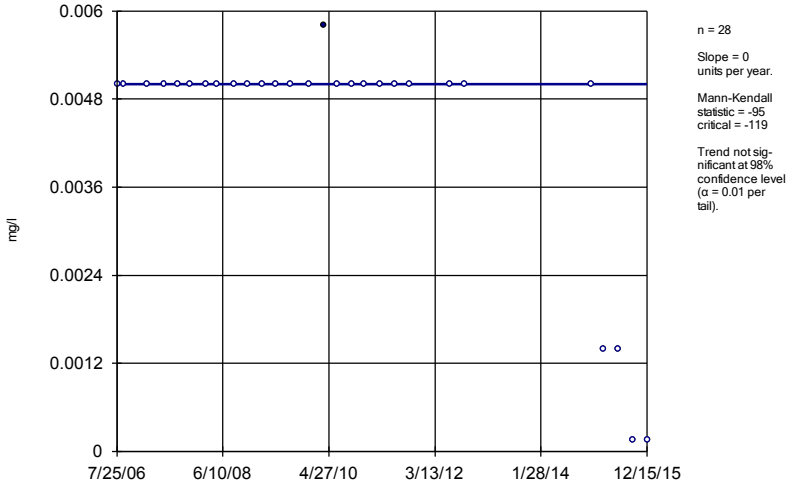
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-2



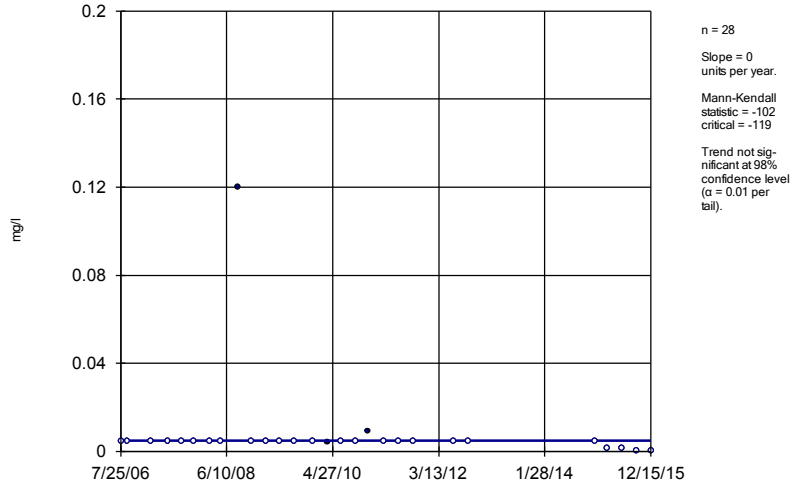
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-3



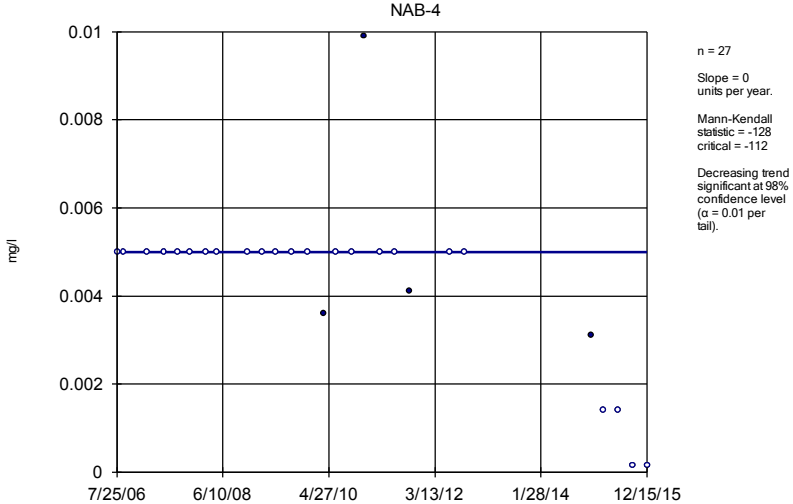
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-4



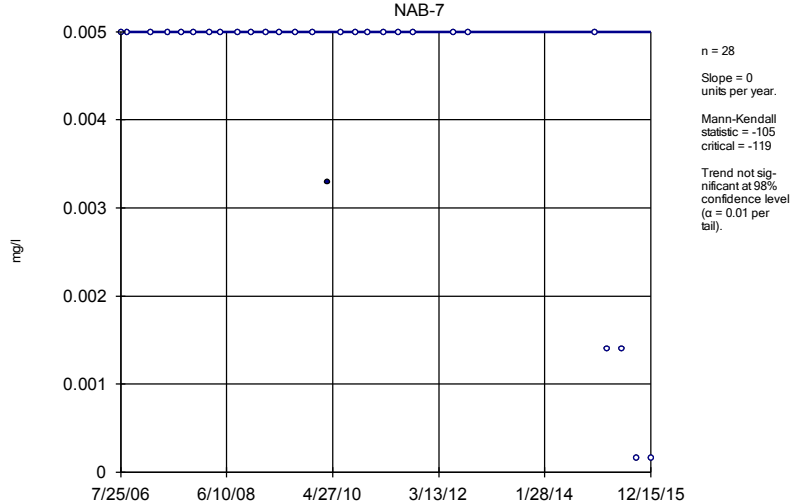
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-7



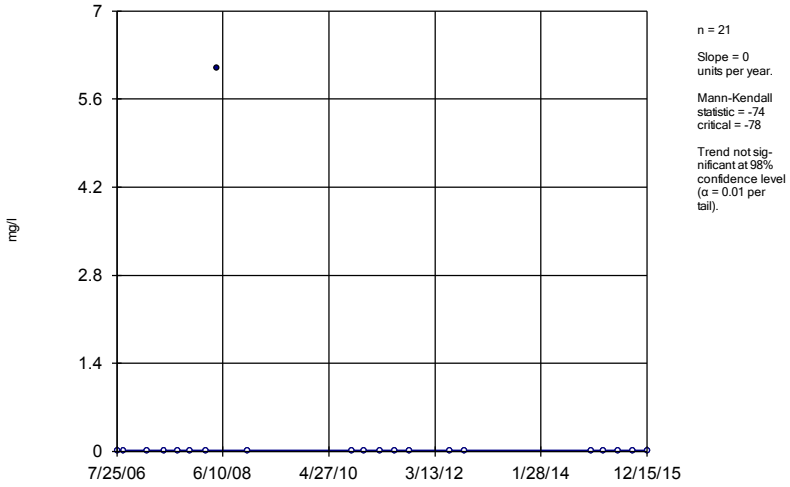
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-8



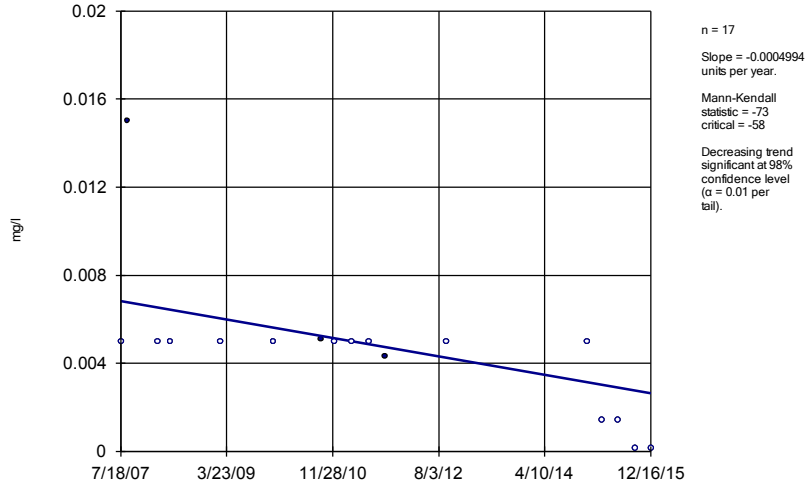
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-7



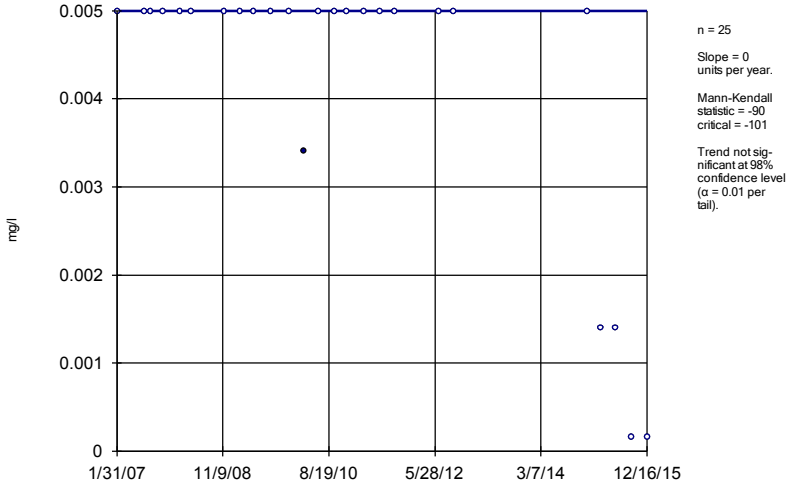
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGA



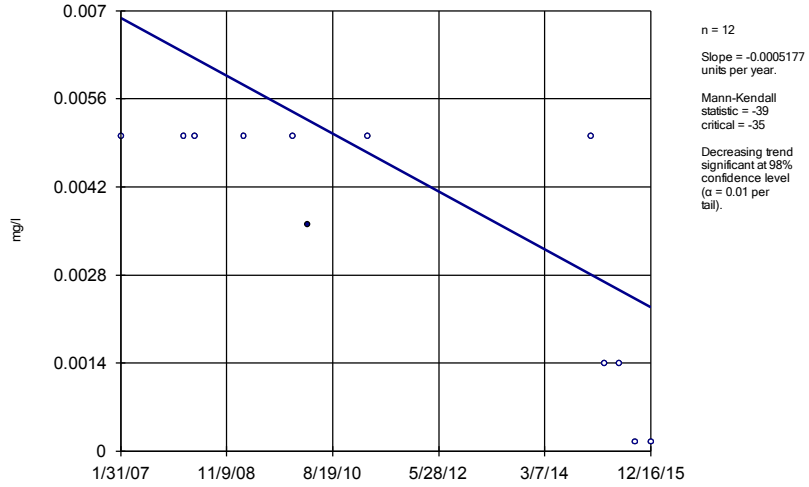
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGB



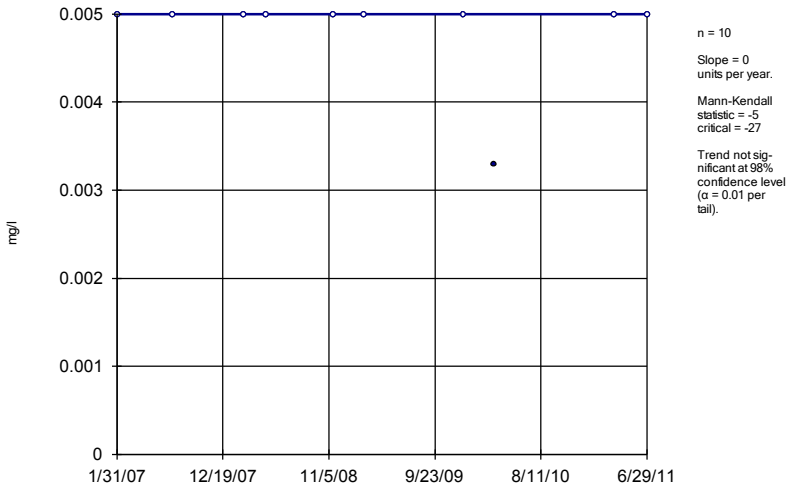
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-1



n = 10

Slope = 0 units per year.

Mann-Kendall statistic = -5
critical = -27

Trend not significant at 98% confidence level (α = 0.01 per tail).

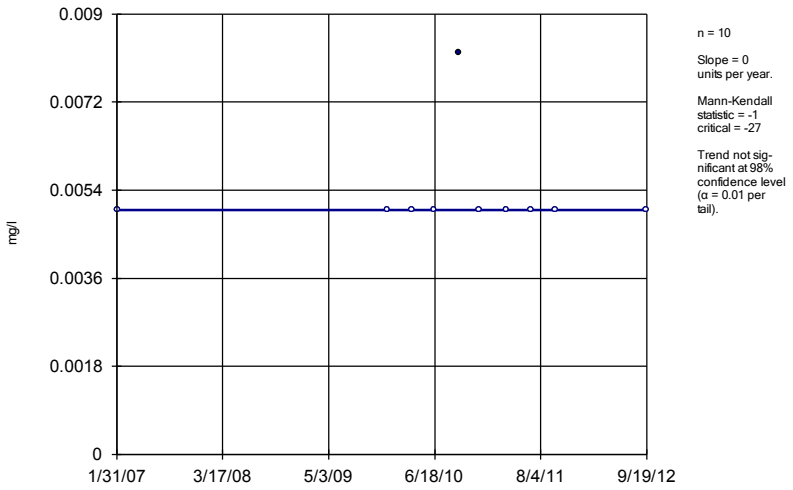
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-2



n = 10

Slope = 0 units per year.

Mann-Kendall statistic = -1
critical = -27

Trend not significant at 98% confidence level (α = 0.01 per tail).

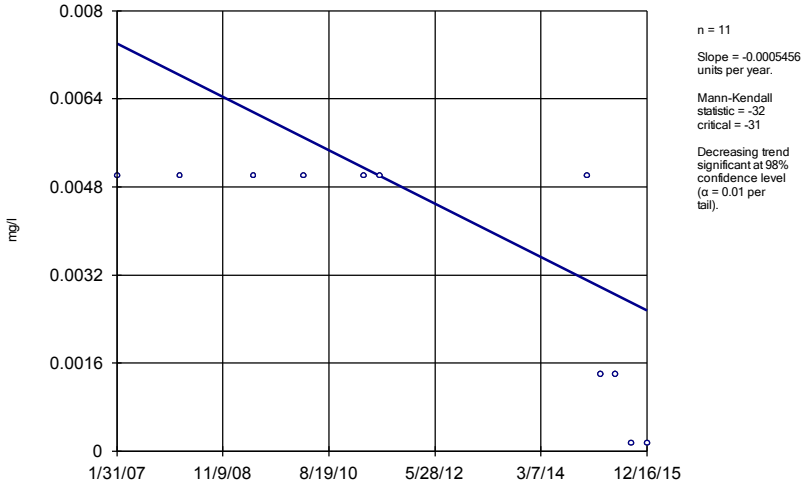
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-3



n = 11

Slope = -0.0005456 units per year.

Mann-Kendall statistic = -32
critical = -31

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

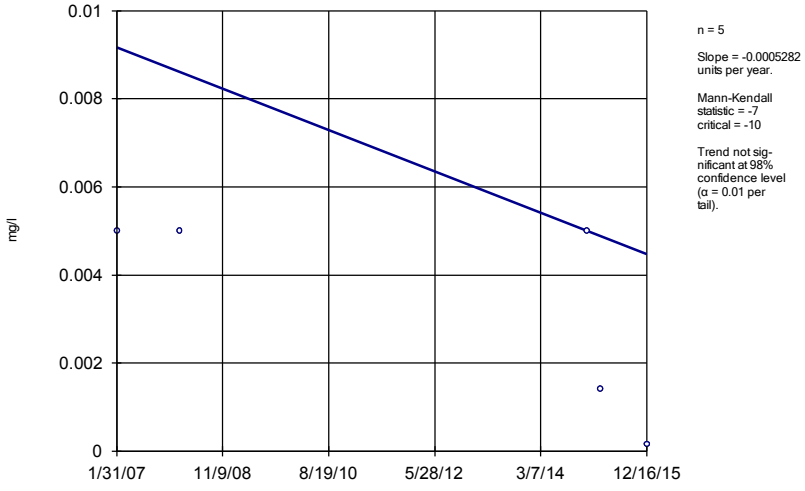
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-4



n = 5

Slope = -0.0005282 units per year.

Mann-Kendall statistic = -7
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

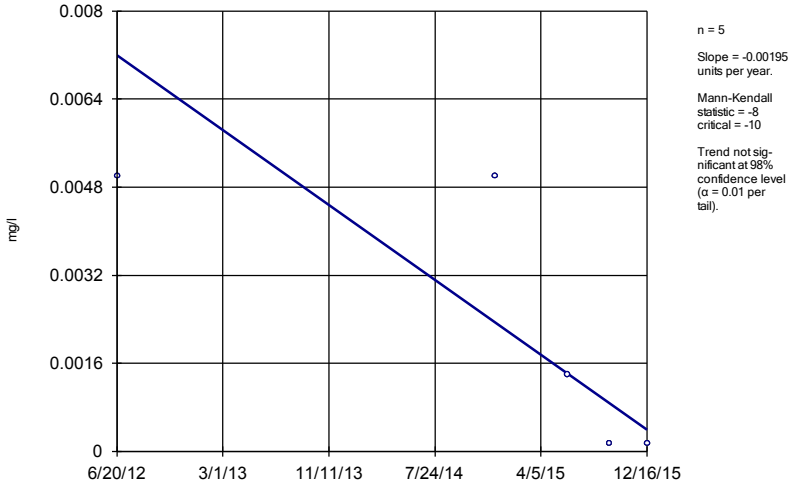
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

LFENTRANCESEEP



n = 5

Slope = -0.00195 units per year.

Mann-Kendall statistic = -8
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

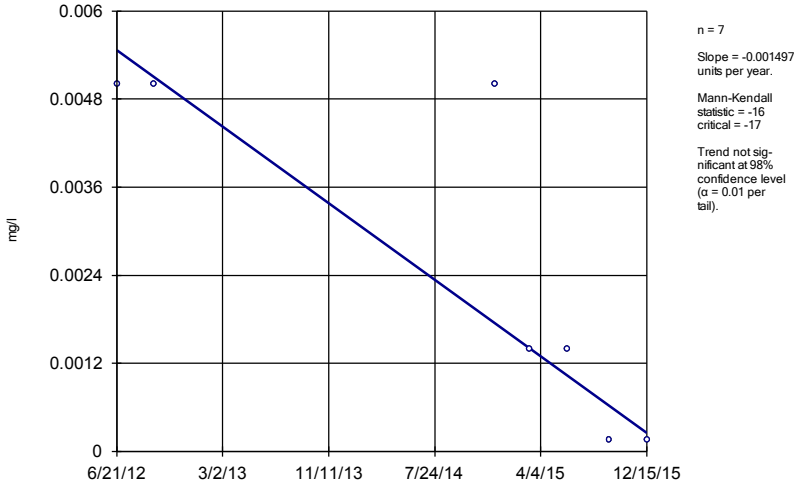
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1R



n = 7

Slope = -0.001497 units per year.

Mann-Kendall statistic = -16
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

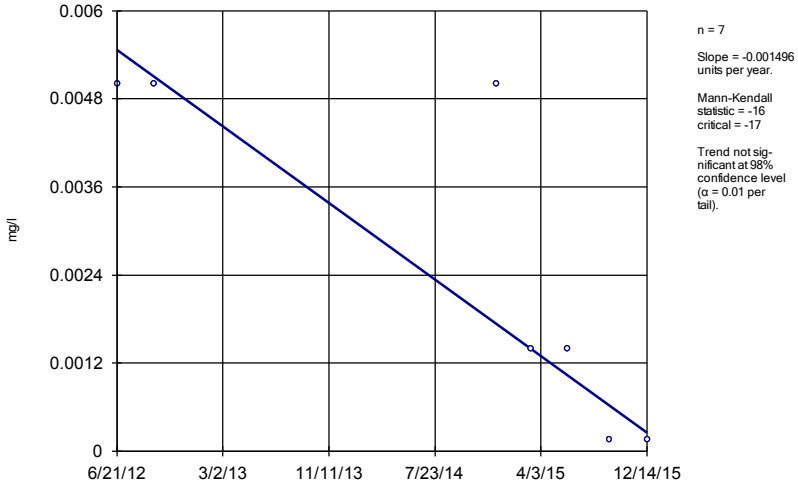
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-2



n = 7

Slope = -0.001496 units per year.

Mann-Kendall statistic = -16
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

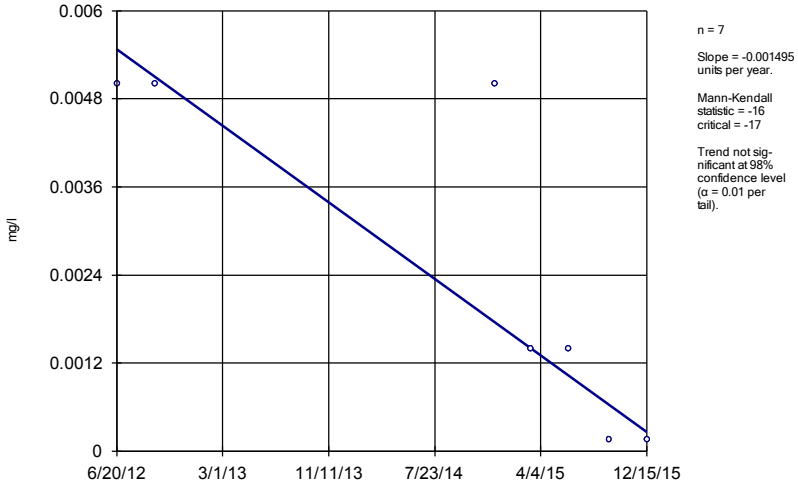
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-3



n = 7

Slope = -0.001495 units per year.

Mann-Kendall statistic = -16
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

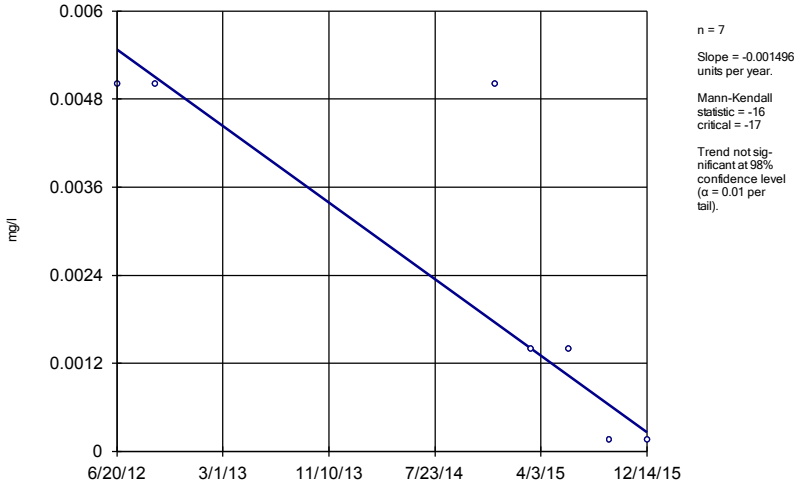
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-6



n = 7

Slope = -0.001496 units per year.

Mann-Kendall statistic = -16
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

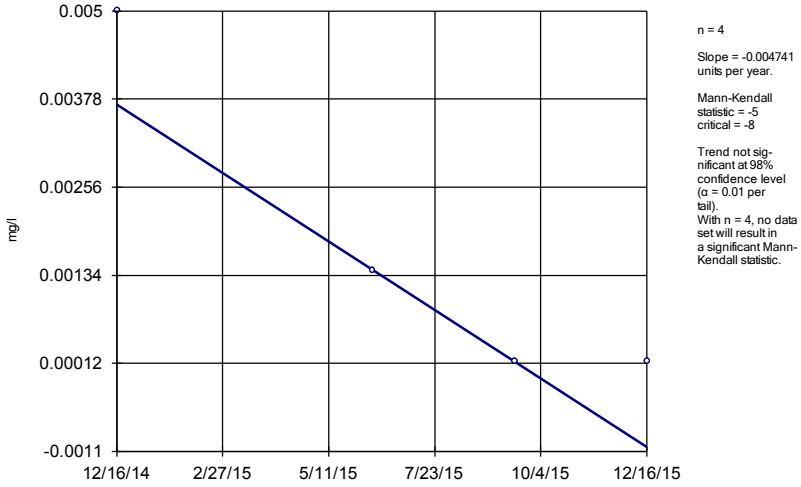
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIDRAW



n = 4

Slope = -0.004741 units per year.

Mann-Kendall statistic = -5
critical = -8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

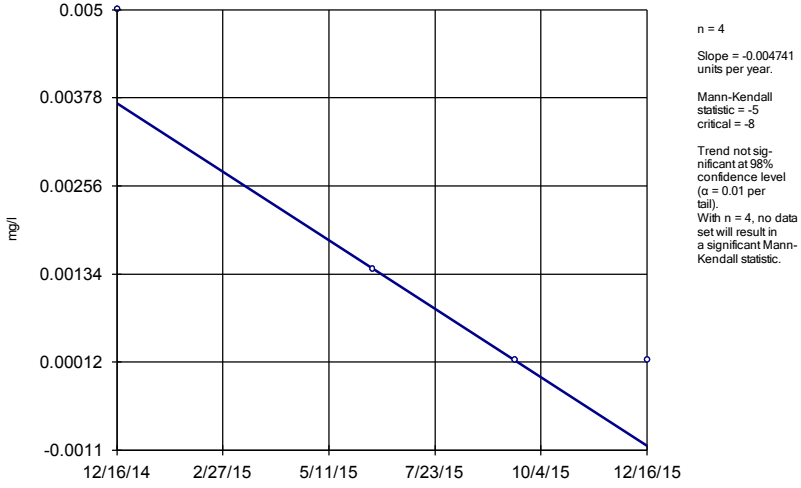
Constituent: Silver Analysis Run 2/2/2016 2:04 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIVDRAW



n = 4

Slope = -0.004741 units per year.

Mann-Kendall statistic = -5
critical = -8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

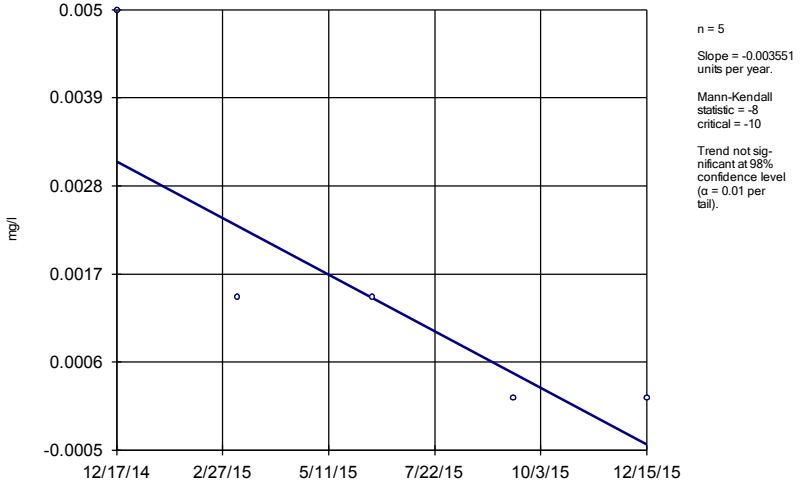
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-NE-3



n = 5

Slope = -0.003551 units per year.

Mann-Kendall statistic = -8
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

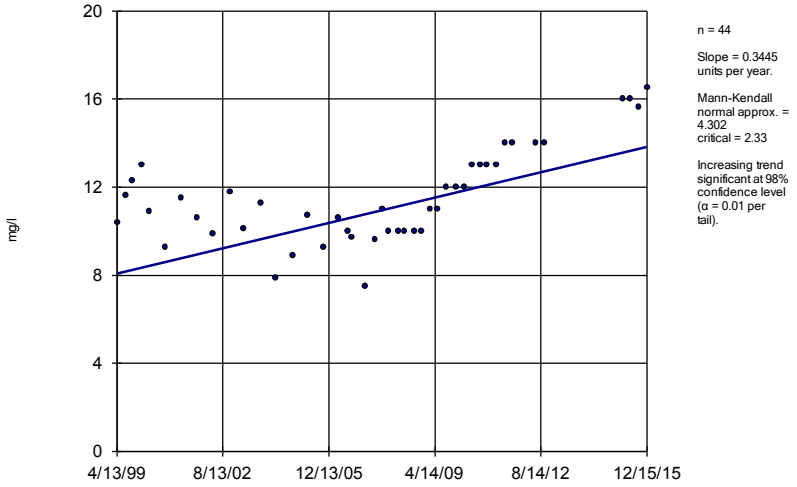
Constituent: Silver Analysis Run 2/2/2016 2:04 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-4



Constituent: Sulfate Analysis Run 2/2/2016 2:04 PM

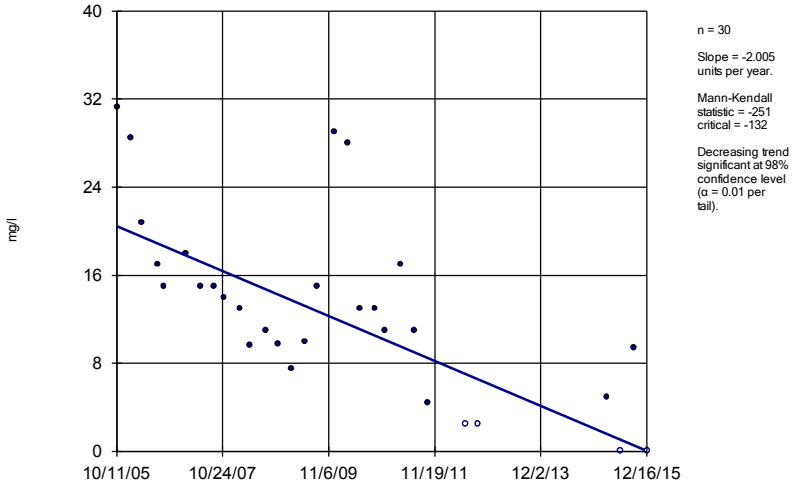
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-1



Constituent: Sulfate Analysis Run 2/2/2016 2:04 PM

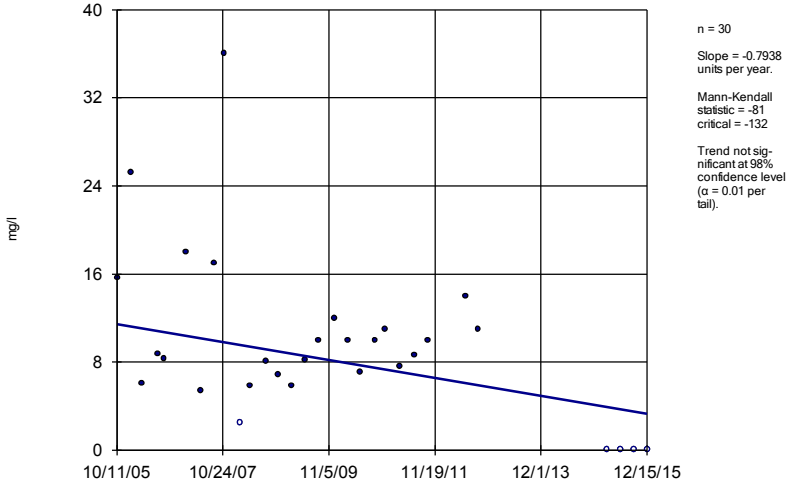
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-2



Constituent: Sulfate Analysis Run 2/2/2016 2:04 PM

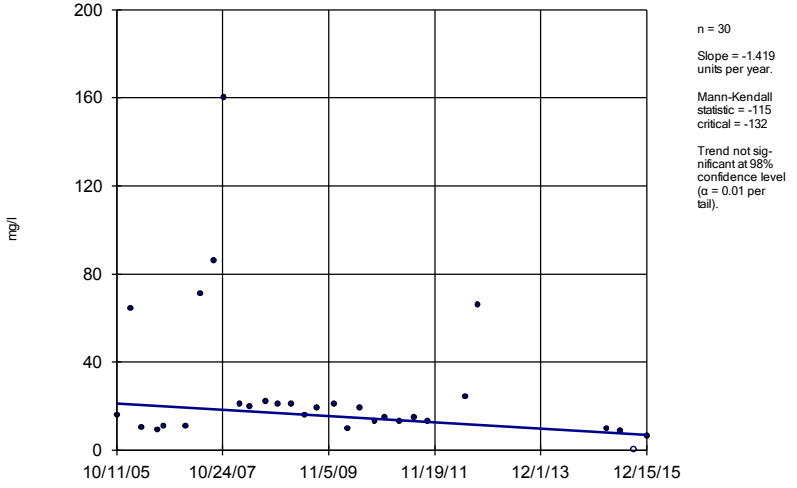
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-3



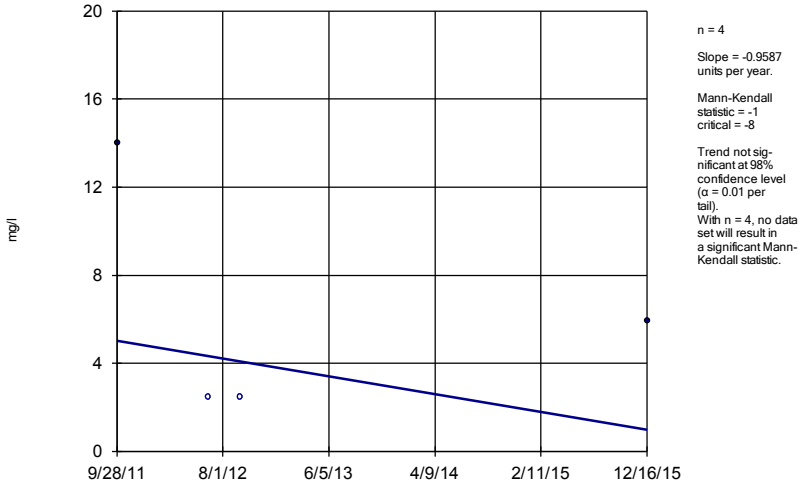
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

LEACHATE



n = 4

Slope = -0.9587 units per year.

Mann-Kendall statistic = -1
critical = -8

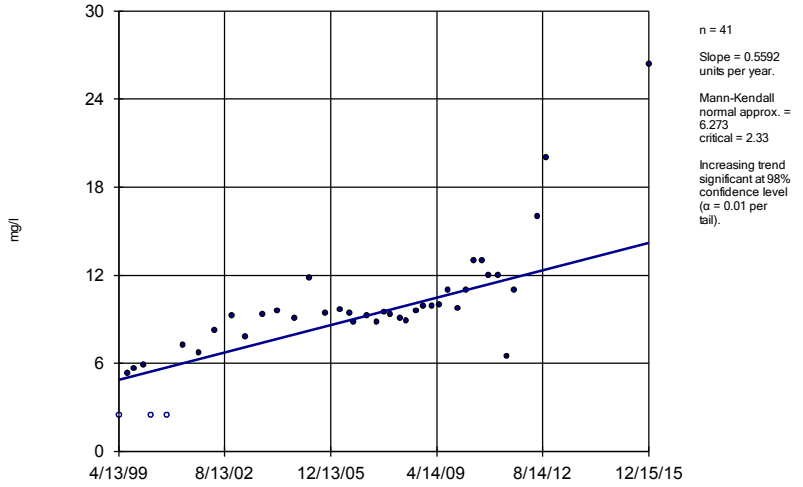
Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

Constituent: Sulfate Analysis Run 2/2/2016 2:04 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1



n = 41

Slope = 0.5592 units per year.

Mann-Kendall normal approx. = 6.273
critical = 2.33

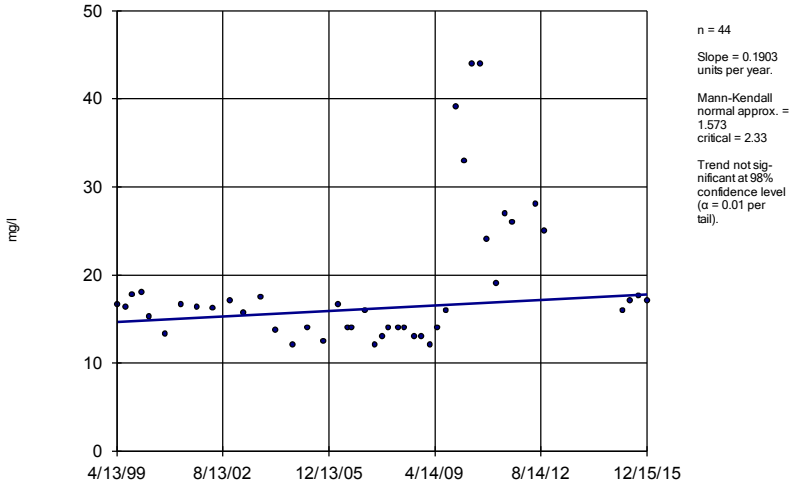
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sulfate Analysis Run 2/2/2016 2:04 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-2



n = 44

Slope = 0.1903 units per year.

Mann-Kendall normal approx. = 1.573
critical = 2.33

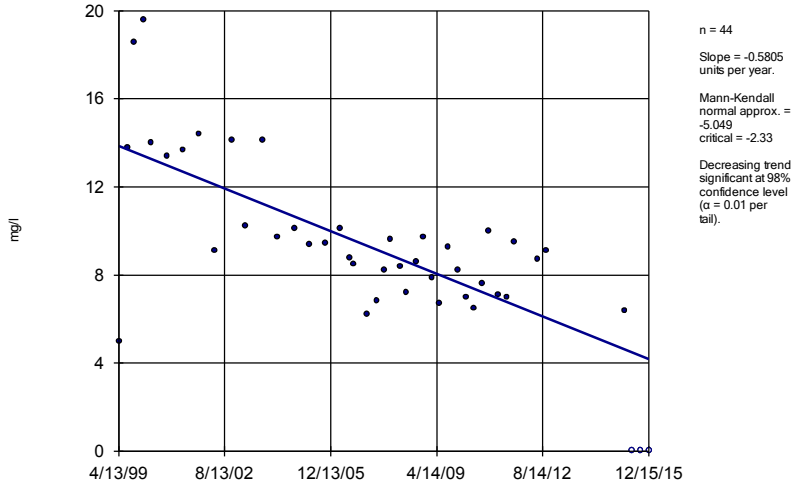
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sulfate Analysis Run 2/2/2016 2:04 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-3



n = 44

Slope = -0.5805 units per year.

Mann-Kendall normal approx. = -5.049
critical = -2.33

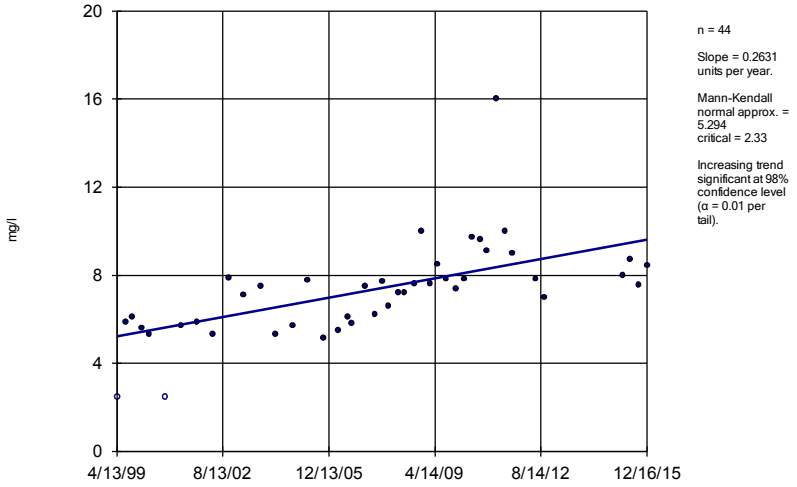
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sulfate Analysis Run 2/2/2016 2:04 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-5



n = 44

Slope = 0.2631 units per year.

Mann-Kendall normal approx. = 5.294
critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

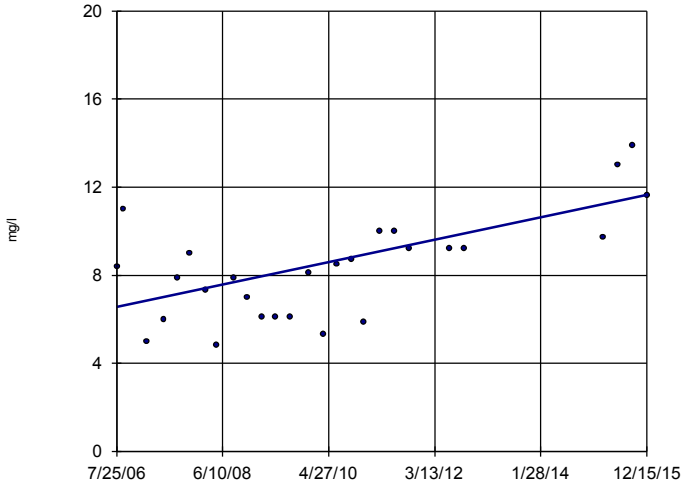
Constituent: Sulfate Analysis Run 2/2/2016 2:04 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-509D



n = 27

Slope = 0.5397 units per year.

Mann-Kendall statistic = 149
critical = 112

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

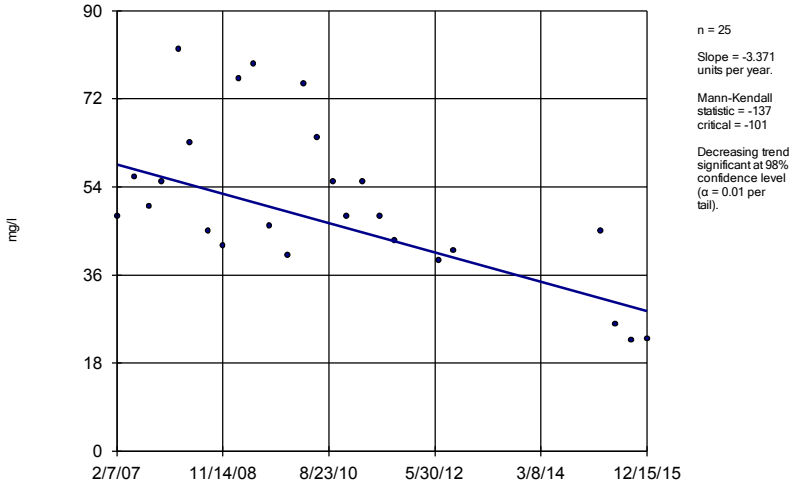
Constituent: Sulfate Analysis Run 2/2/2016 2:04 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-577



n = 25

Slope = -3.371 units per year.

Mann-Kendall statistic = -137
critical = -101

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

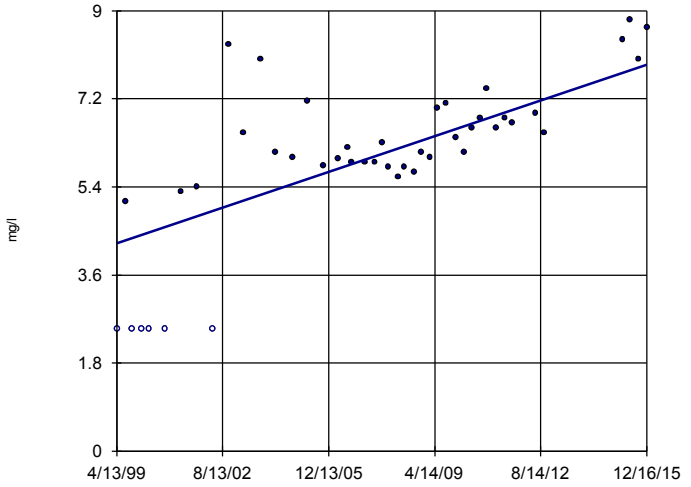
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-6



n = 44

Slope = 0.2187 units per year.

Mann-Kendall normal approx. = 5.119
critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

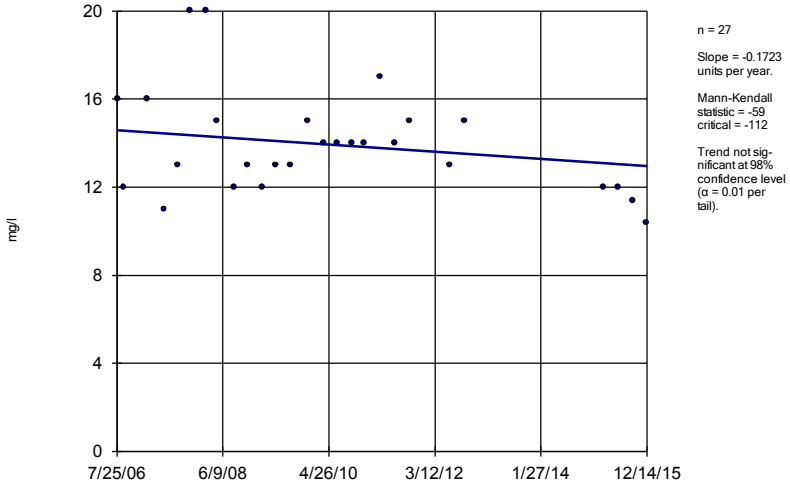
Constituent: Sulfate Analysis Run 2/2/2016 2:04 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-633D



n = 27

Slope = -0.1723 units per year.

Mann-Kendall statistic = -59 critical = -112

Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sulfate Analysis Run 2/2/2016 2:04 PM

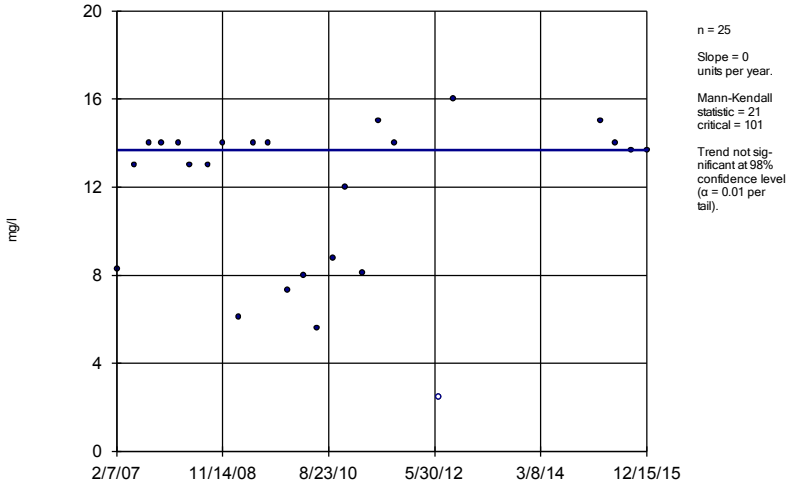
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-689D



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = 21 critical = 101

Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sulfate Analysis Run 2/2/2016 2:04 PM

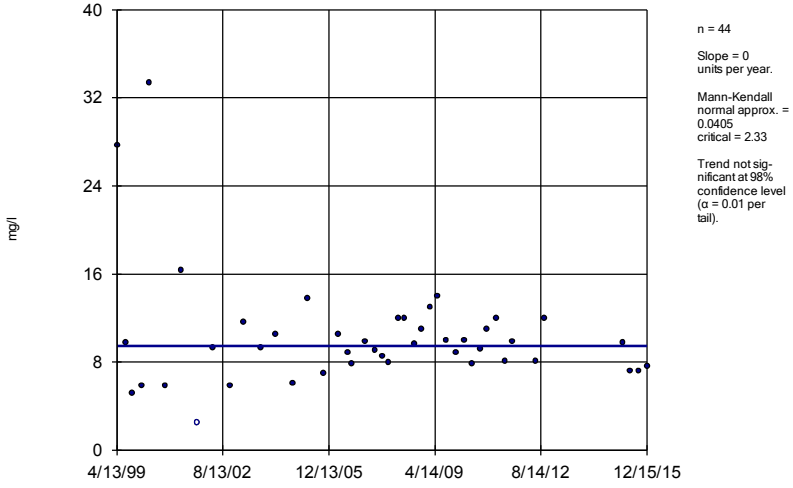
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-7



n = 44

Slope = 0 units per year.

Mann-Kendall normal approx. = 0.0405 critical = 2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

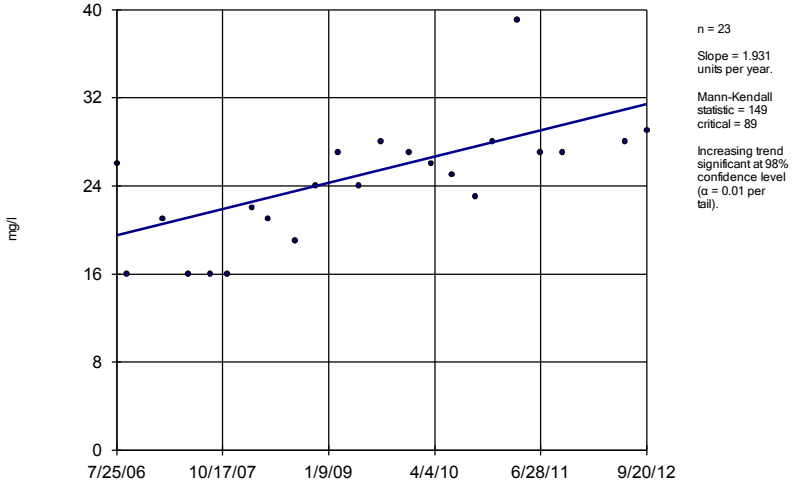
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-1



n = 23

Slope = 1.931 units per year.

Mann-Kendall statistic = 149 critical = 89

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

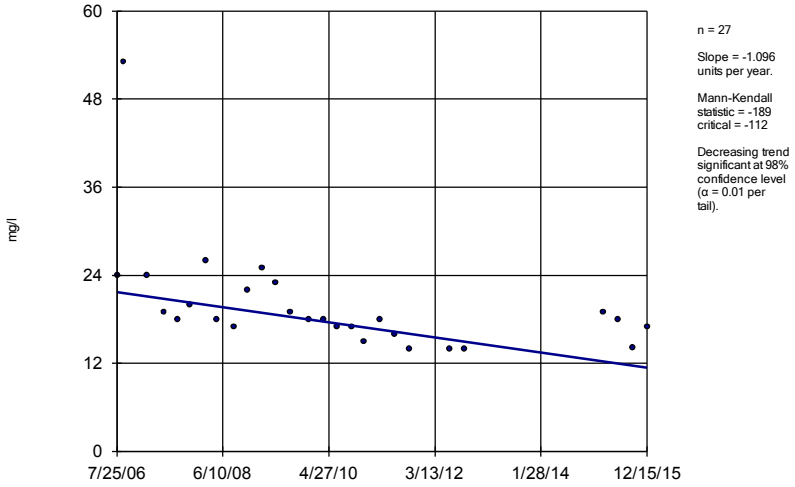
Constituent: Sulfate Analysis Run 2/2/2016 2:04 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

NAB-2



n = 27

Slope = -1.096 units per year.

Mann-Kendall statistic = -189
critical = -112

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

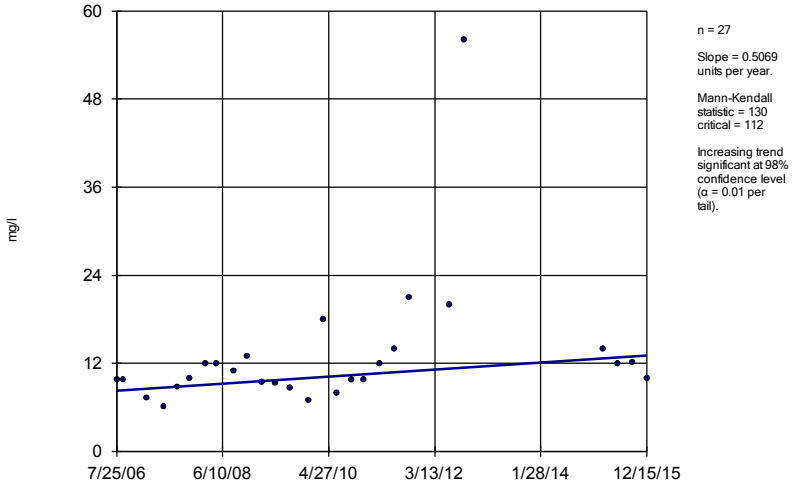
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-3



n = 27

Slope = 0.5069 units per year.

Mann-Kendall statistic = 130
critical = 112

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

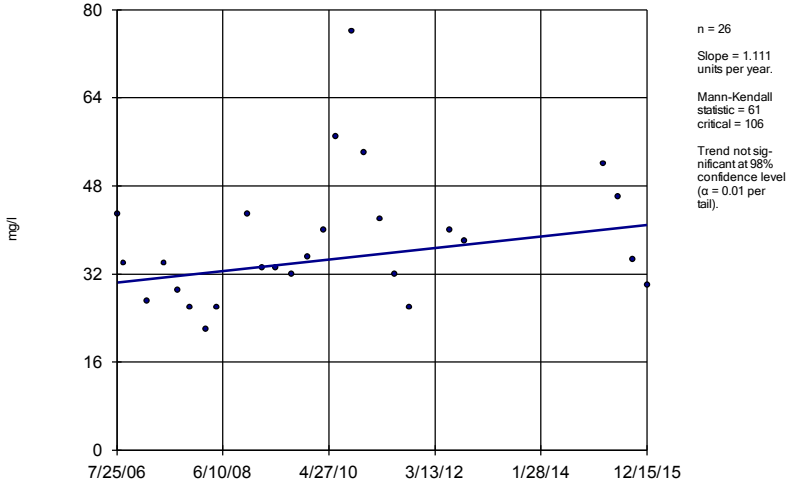
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-4



n = 26

Slope = 1.111 units per year.

Mann-Kendall statistic = 61
critical = 106

Trend not significant at 98% confidence level (α = 0.01 per tail).

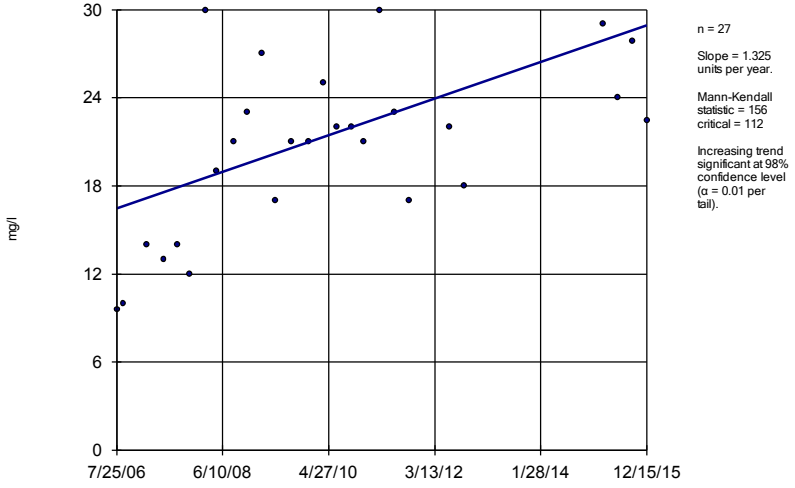
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-7



n = 27

Slope = 1.325 units per year.

Mann-Kendall statistic = 156
critical = 112

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

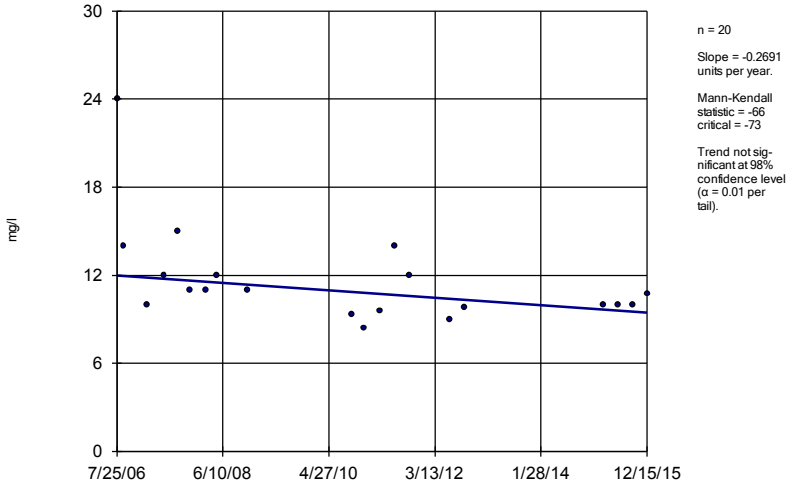
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-8



n = 20

Slope = -0.2691 units per year.

Mann-Kendall statistic = -66
critical = -73

Trend not significant at 98% confidence level (α = 0.01 per tail).

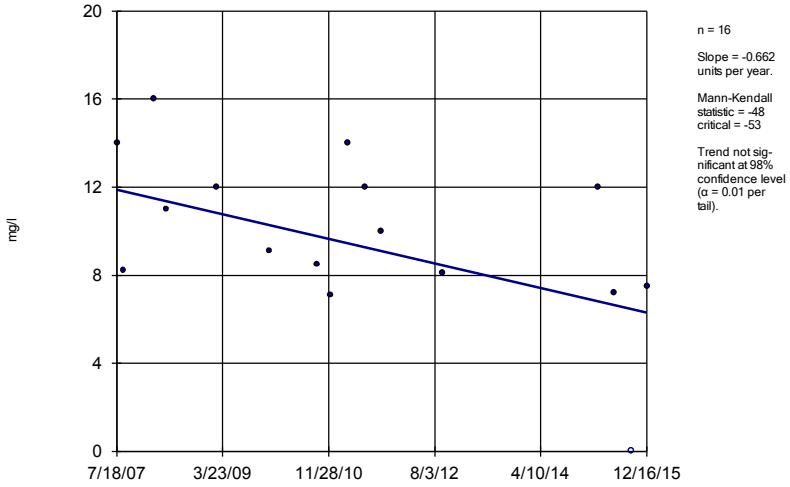
Constituent: Sulfate Analysis Run 2/2/2016 2:04 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-7



n = 16

Slope = -0.662 units per year.

Mann-Kendall statistic = -48
critical = -53

Trend not significant at 98% confidence level (α = 0.01 per tail).

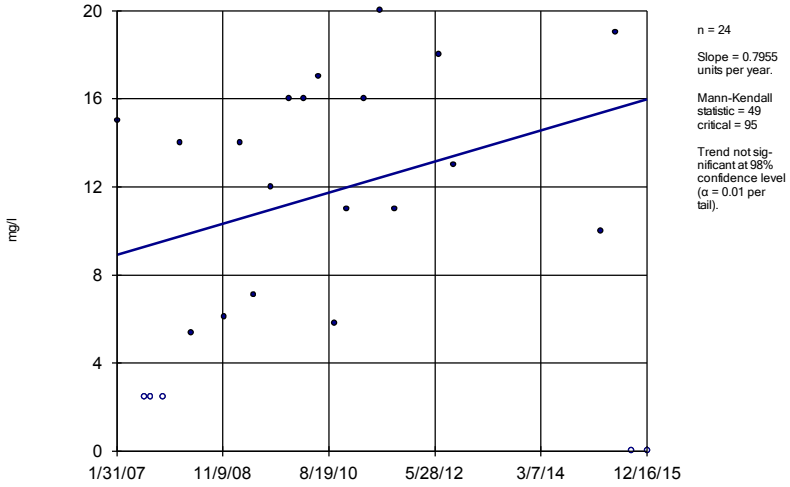
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGA



n = 24

Slope = 0.7955 units per year.

Mann-Kendall statistic = 49
critical = 95

Trend not significant at 98% confidence level (α = 0.01 per tail).

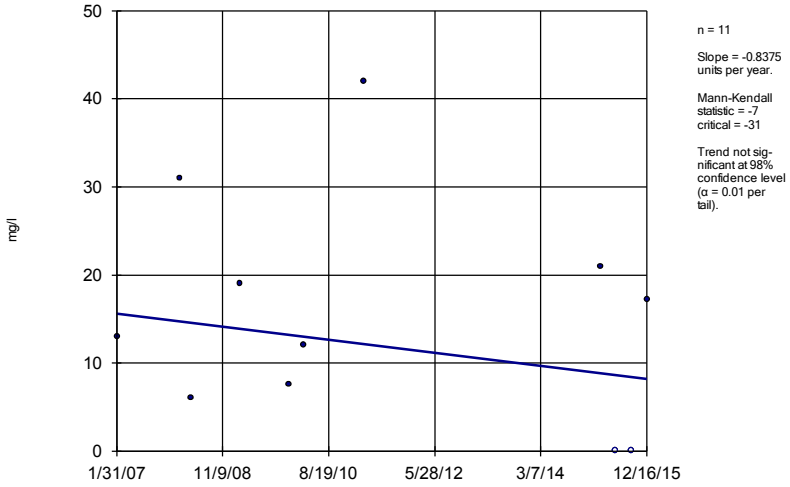
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGB



n = 11

Slope = -0.8375 units per year.

Mann-Kendall statistic = -7
critical = -31

Trend not significant at 98% confidence level (α = 0.01 per tail).

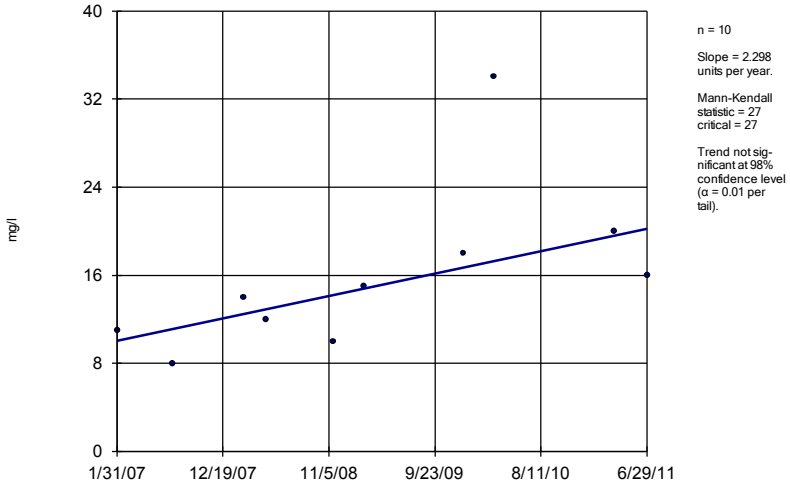
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

TSP-1



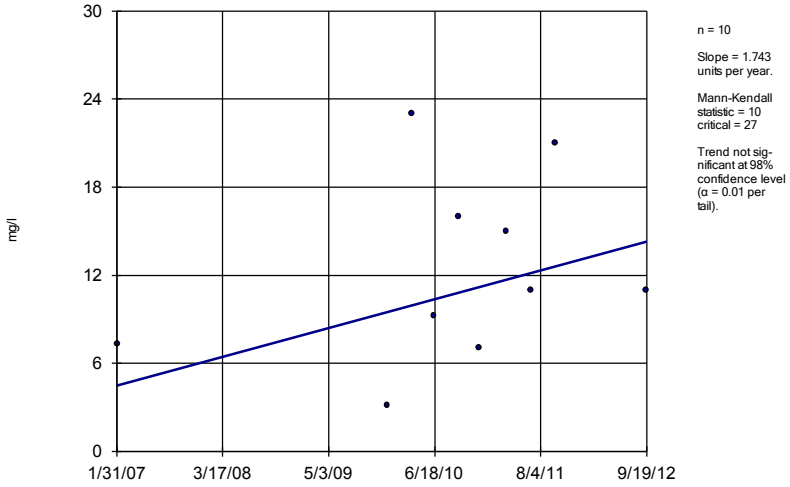
Constituent: Sulfate Analysis Run 2/2/2016 2:04 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

TSP-2



Constituent: Sulfate Analysis Run 2/2/2016 2:04 PM

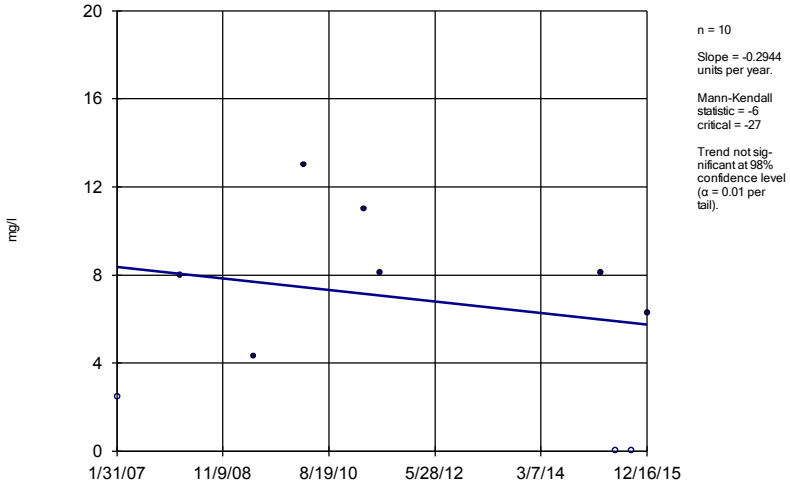
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-3



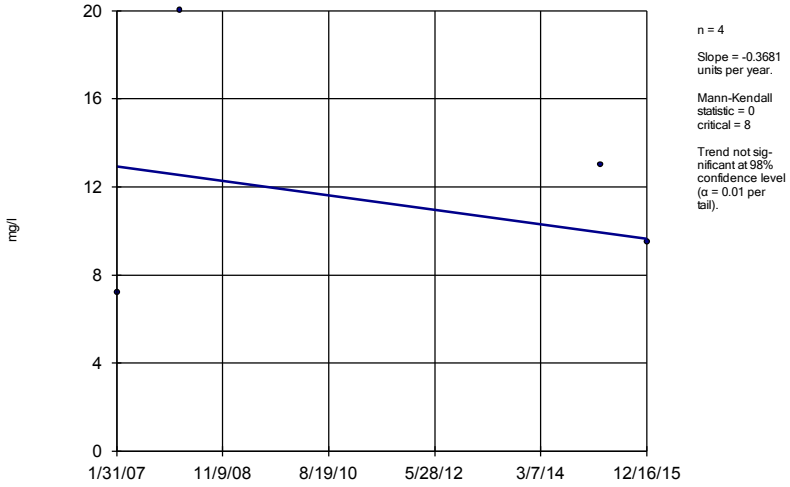
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

TSP-4



Constituent: Sulfate Analysis Run 2/2/2016 2:04 PM

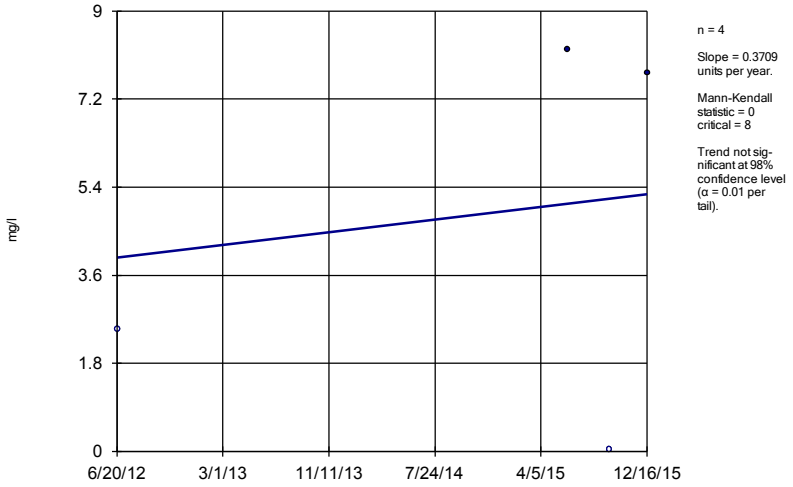
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

LFENTRANCESEEP



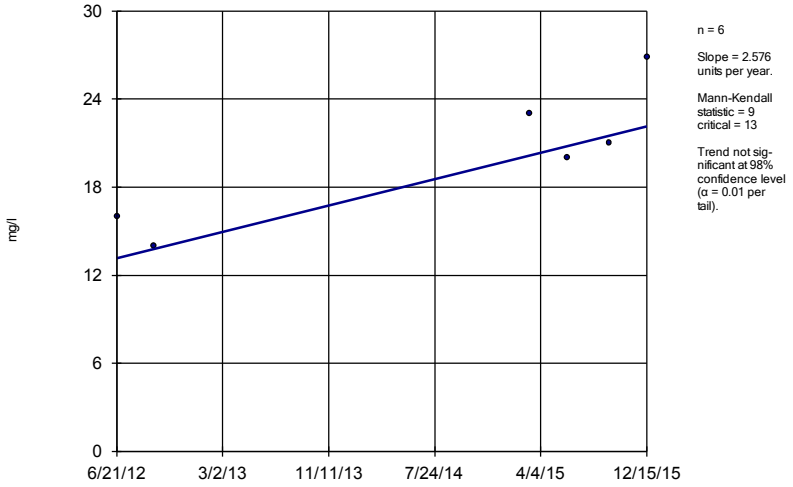
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

MW-1R



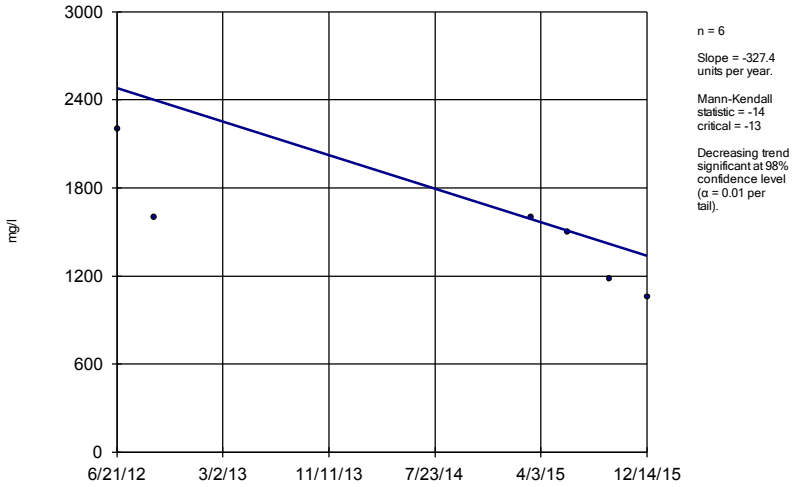
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

NE-2



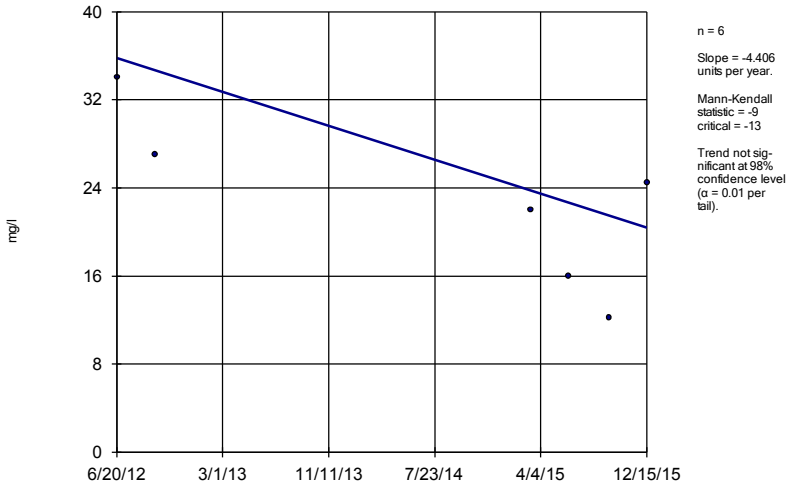
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

NE-3



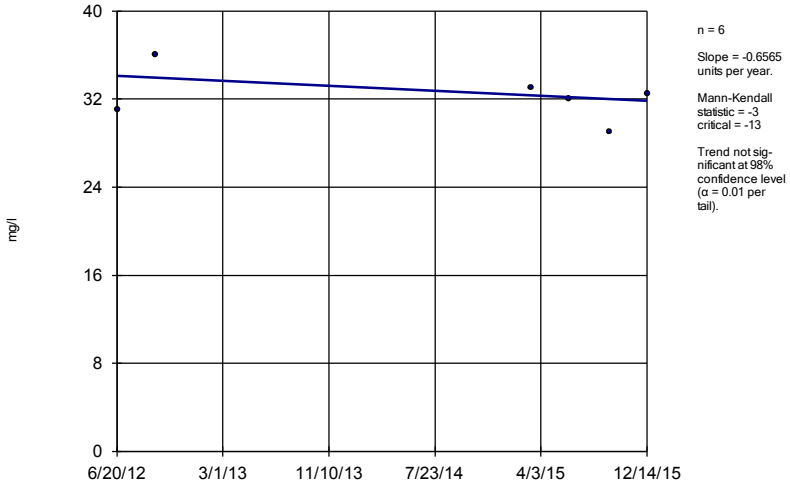
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

NE-6



Constituent: Sulfate Analysis Run 2/2/2016 2:04 PM

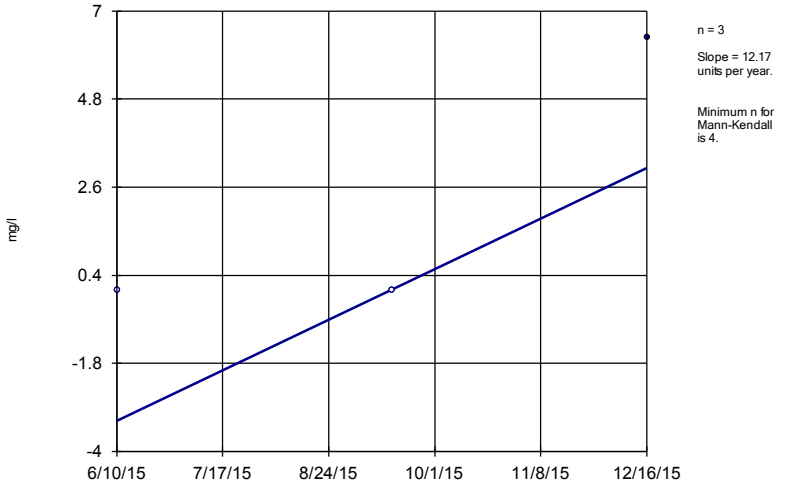
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Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIDRAW



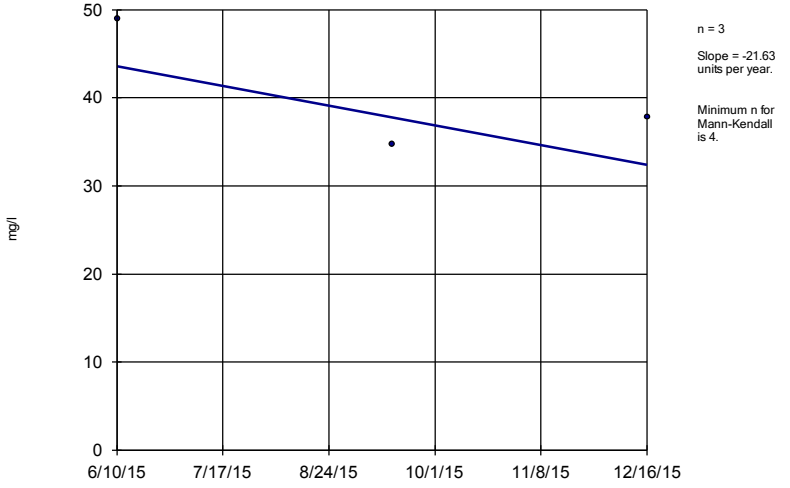
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

CLASSIVDRAW



Constituent: Sulfate Analysis Run 2/2/2016 2:04 PM

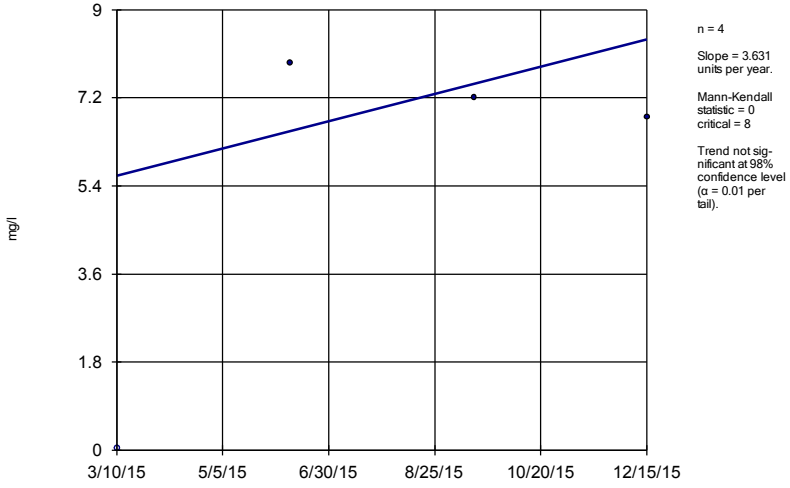
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Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-NE-3



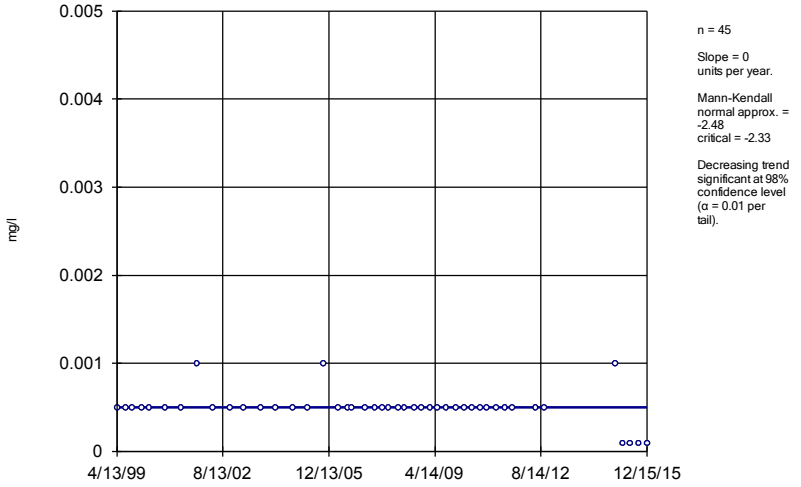
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-4



n = 45

Slope = 0
units per year.

Mann-Kendall
normal approx. =
-2.48
critical = -2.33

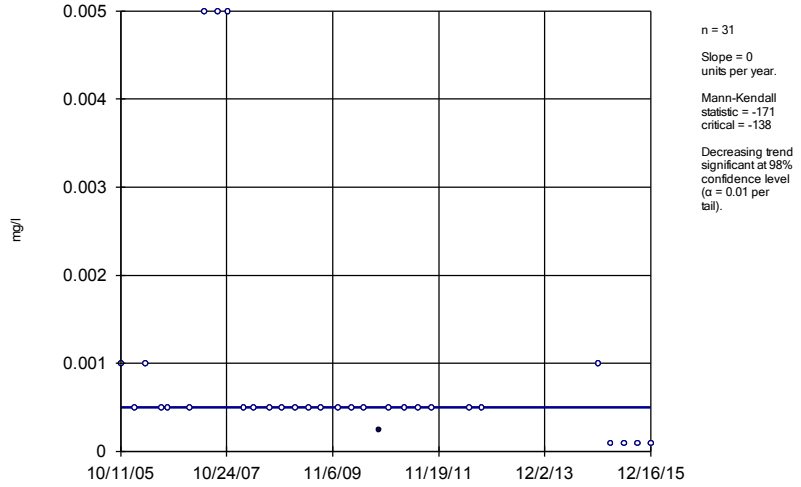
Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-1



n = 31

Slope = 0
units per year.

Mann-Kendall
statistic = -171
critical = -138

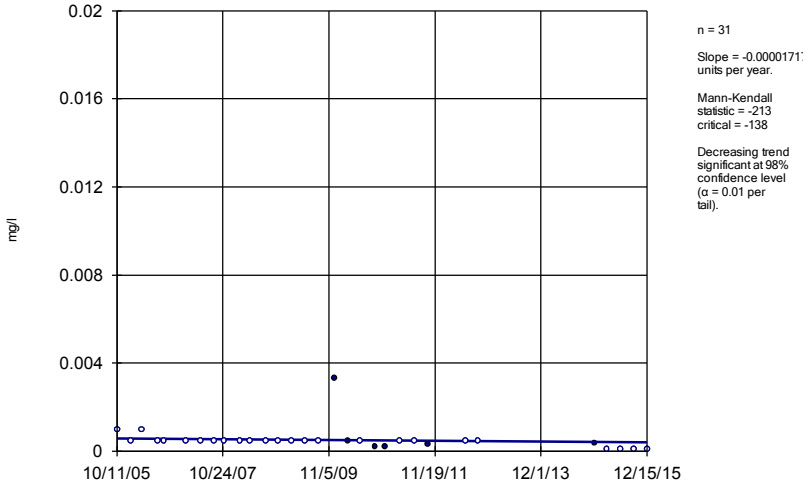
Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-2



n = 31

Slope = -0.00001717
units per year.

Mann-Kendall
statistic = -213
critical = -138

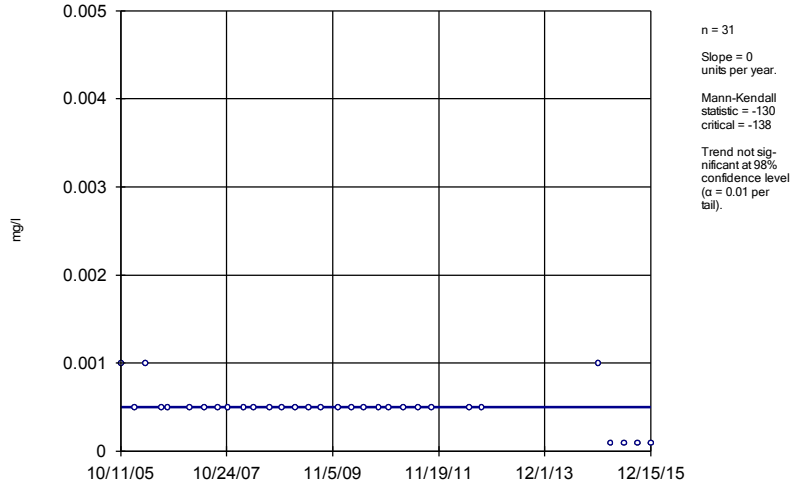
Decreasing trend
significant at 98%
confidence level
(α = 0.01 per
tail).

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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-3



n = 31

Slope = 0
units per year.

Mann-Kendall
statistic = -130
critical = -138

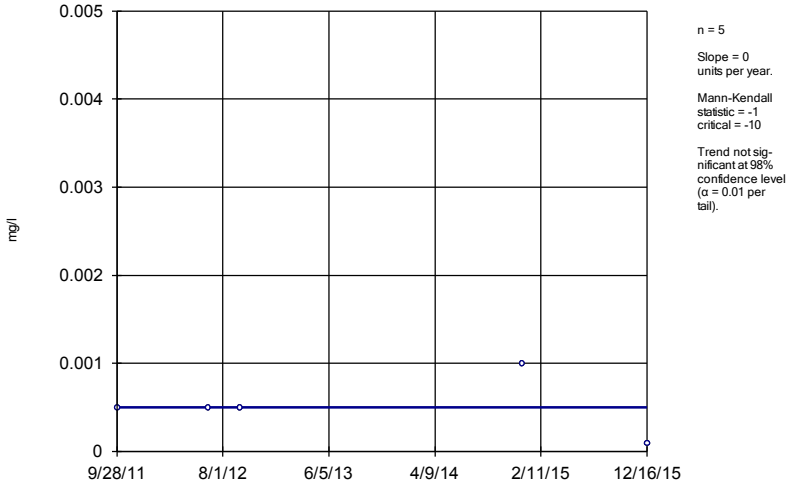
Trend not sig-
nificant at 98%
confidence level
(α = 0.01 per
tail).

Constituent: Thallium Analysis Run 2/2/2016 2:05 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

LEACHATE



n = 5

Slope = 0 units per year.

Mann-Kendall statistic = -1
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

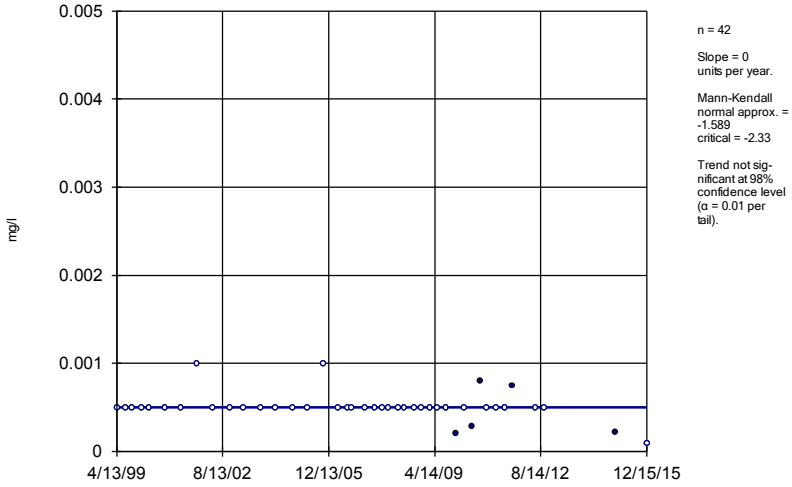
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1



n = 42

Slope = 0 units per year.

Mann-Kendall normal approx. = -1.589
critical = -2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

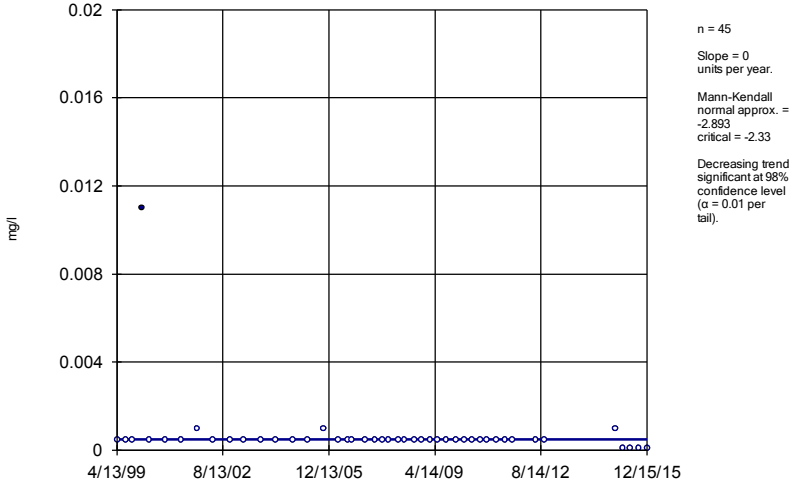
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-2



n = 45

Slope = 0 units per year.

Mann-Kendall normal approx. = -2.893
critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

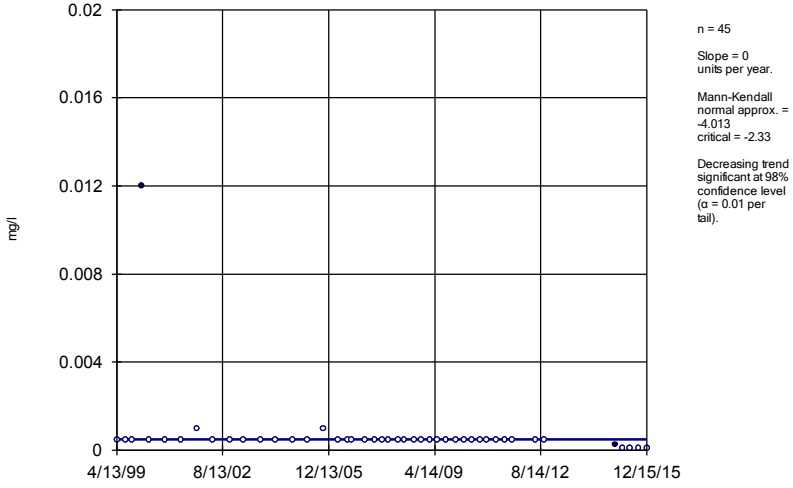
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-3



n = 45

Slope = 0 units per year.

Mann-Kendall normal approx. = -4.013
critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

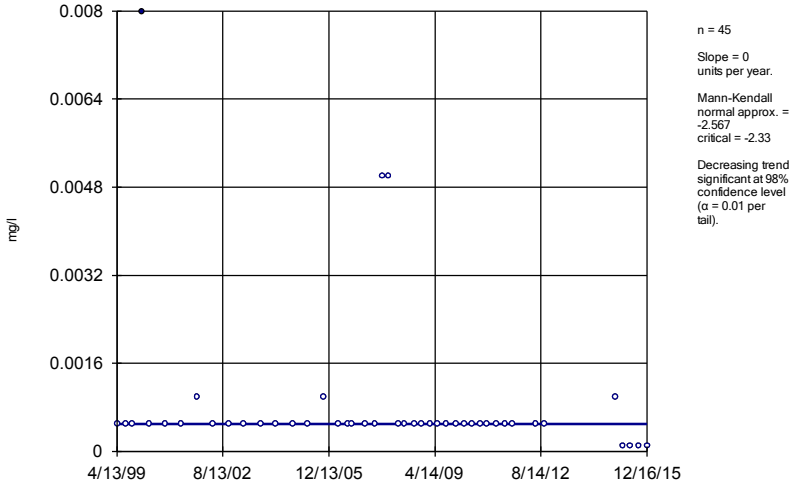
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-5



n = 45

Slope = 0 units per year.

Mann-Kendall normal approx. = -2.567
critical = -2.33

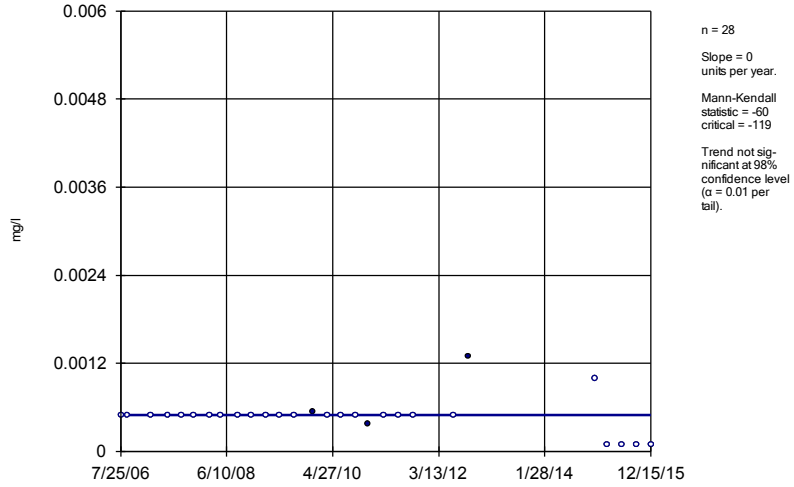
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-509D



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = -60
critical = -119

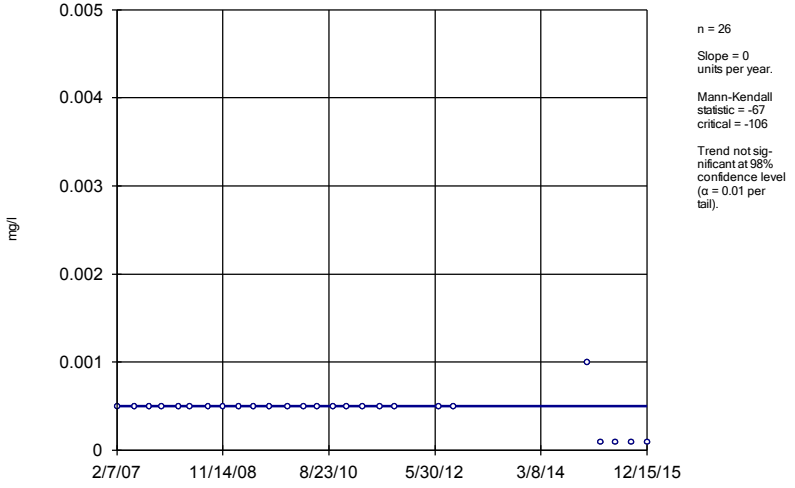
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Thallium Analysis Run 2/2/2016 2:05 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-577



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = -67
critical = -106

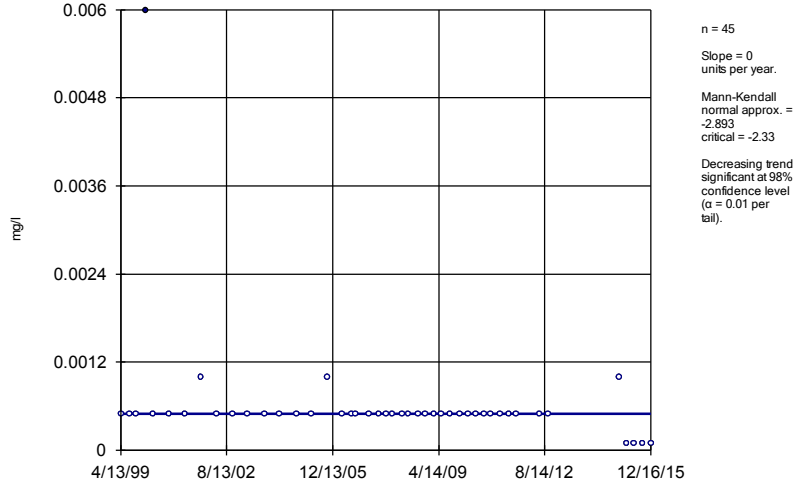
Trend not significant at 98% confidence level (α = 0.01 per tail).

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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-6



n = 45

Slope = 0 units per year.

Mann-Kendall normal approx. = -2.893
critical = -2.33

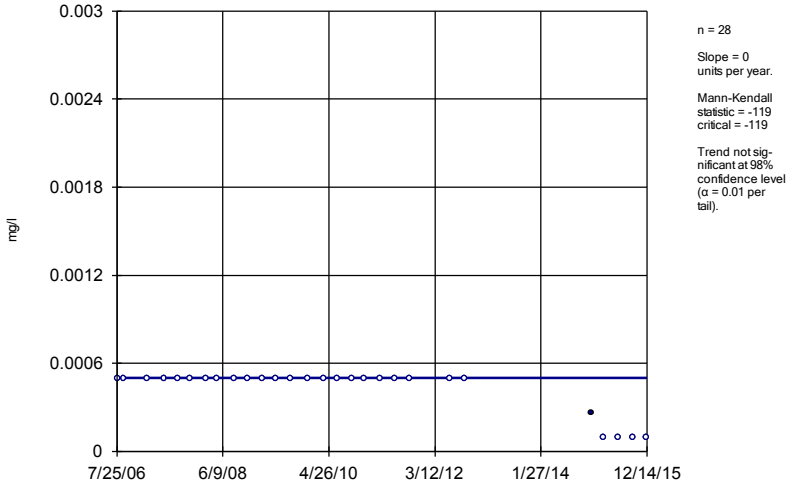
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-633D



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = -119
critical = -119

Trend not significant at 98% confidence level (α = 0.01 per tail).

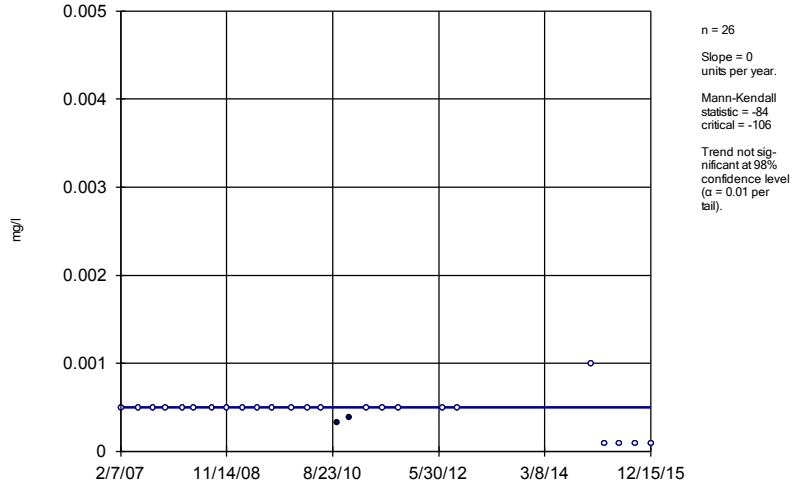
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-689D



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = -84
critical = -106

Trend not significant at 98% confidence level (α = 0.01 per tail).

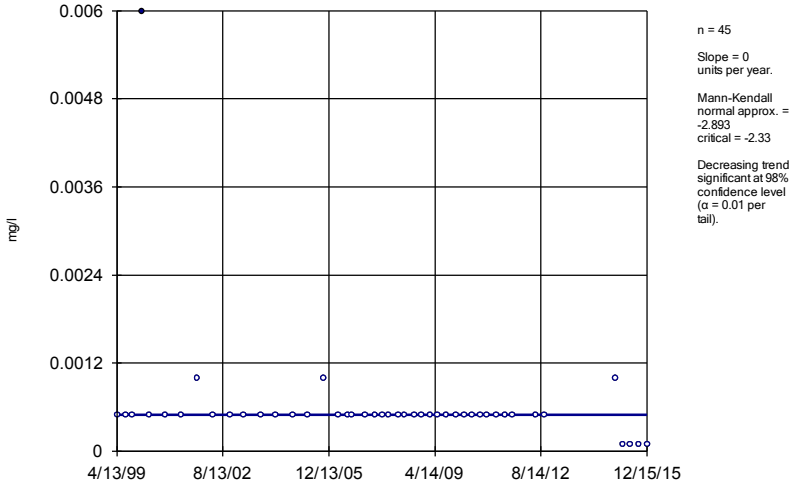
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-7



n = 45

Slope = 0 units per year.

Mann-Kendall normal approx. = -2.893
critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

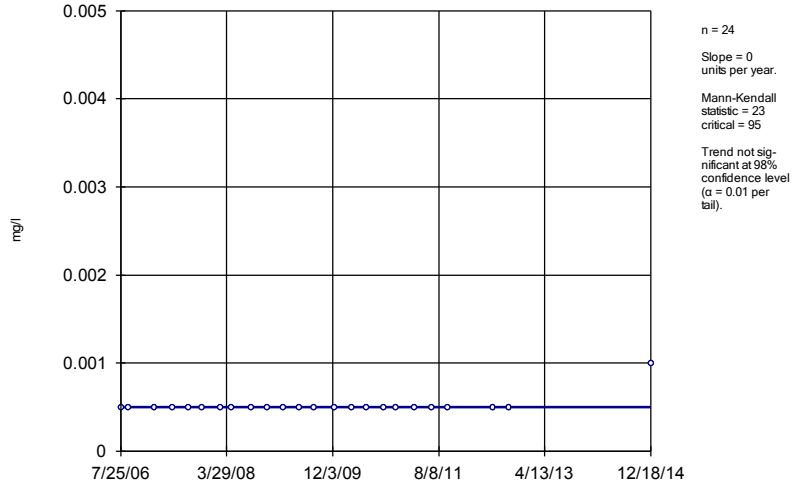
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-1



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 23
critical = 95

Trend not significant at 98% confidence level (α = 0.01 per tail).

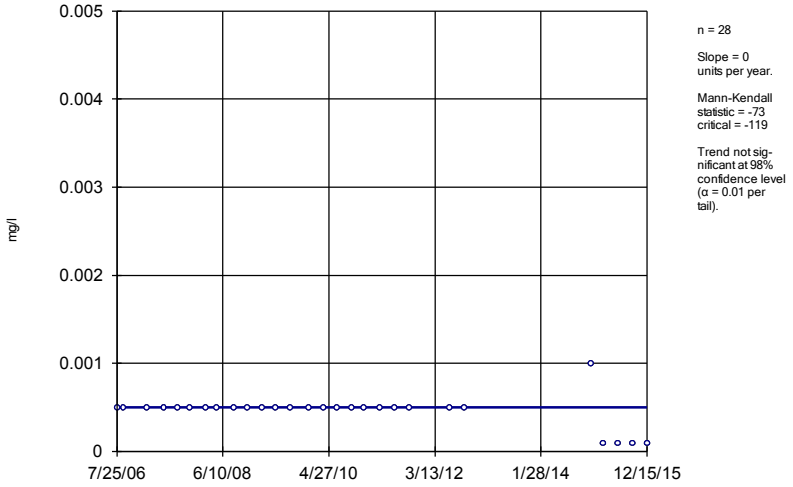
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-2



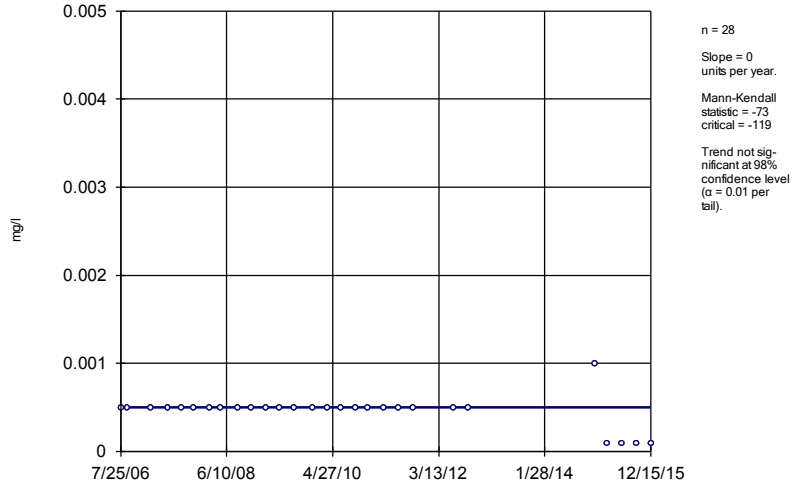
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-3



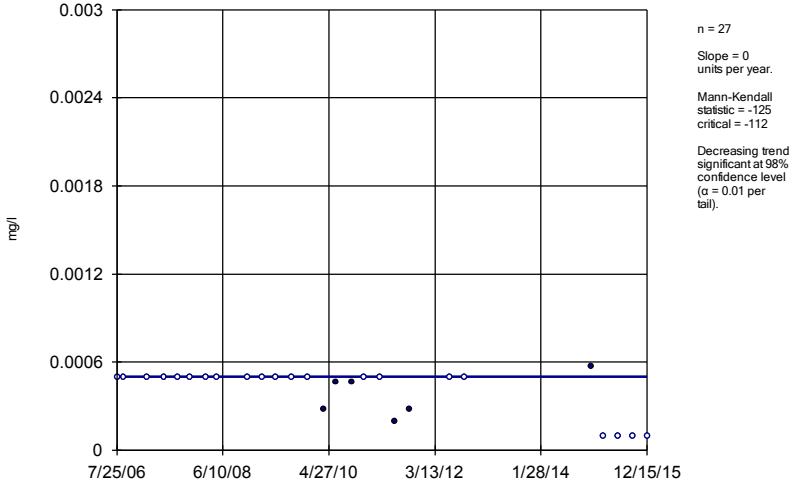
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-4



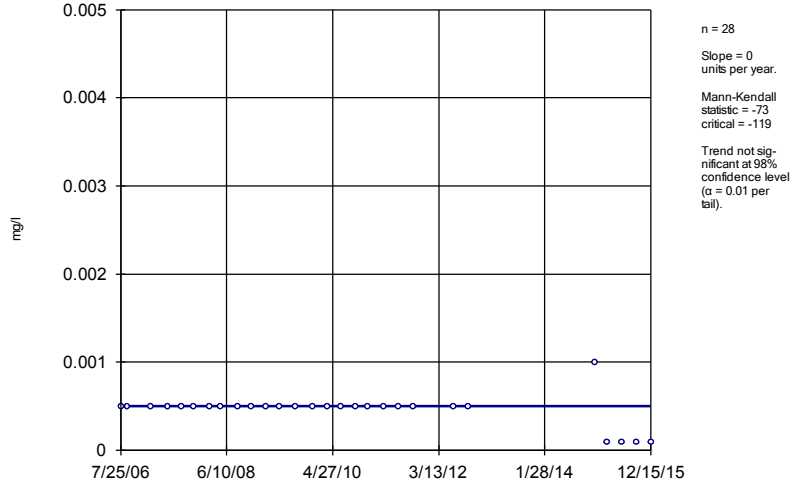
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-7



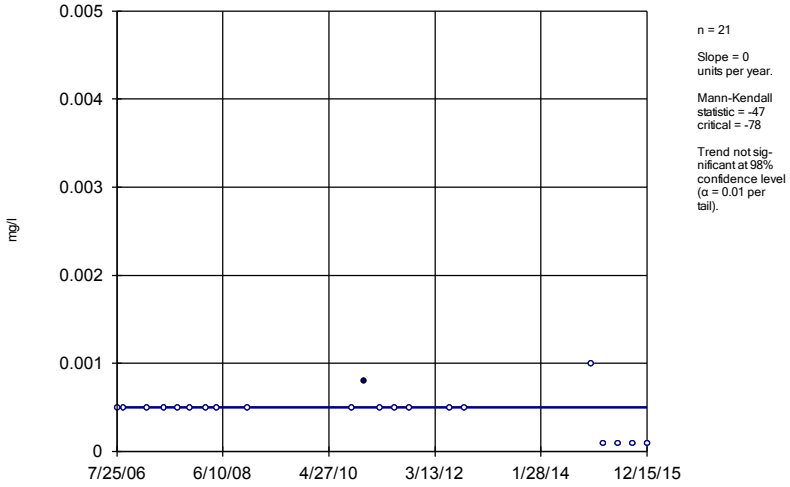
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-8



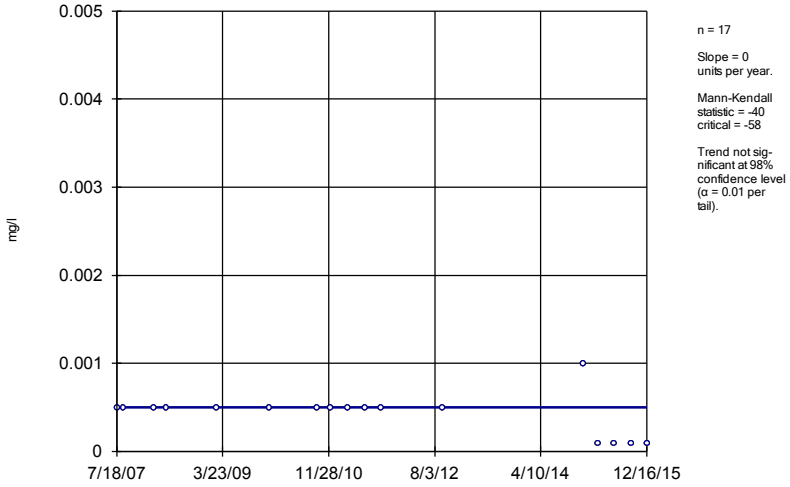
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-7



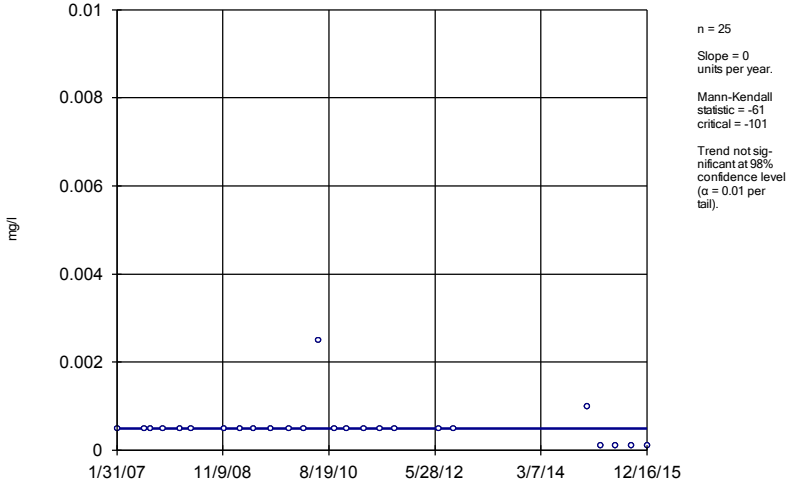
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGA



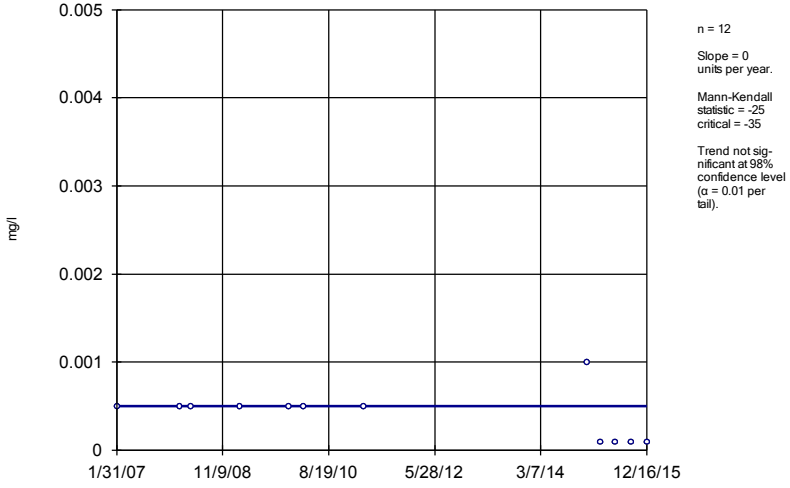
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGB



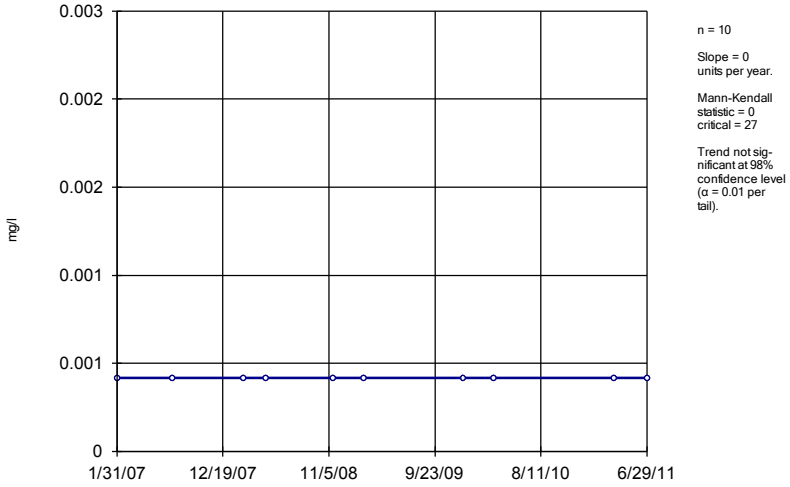
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-1



n = 10

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 27

Trend not significant at 98% confidence level (α = 0.01 per tail).

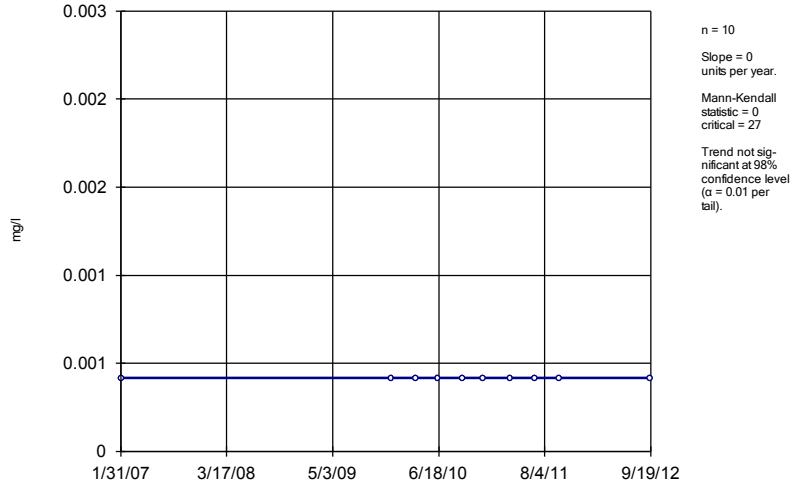
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-2



n = 10

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 27

Trend not significant at 98% confidence level (α = 0.01 per tail).

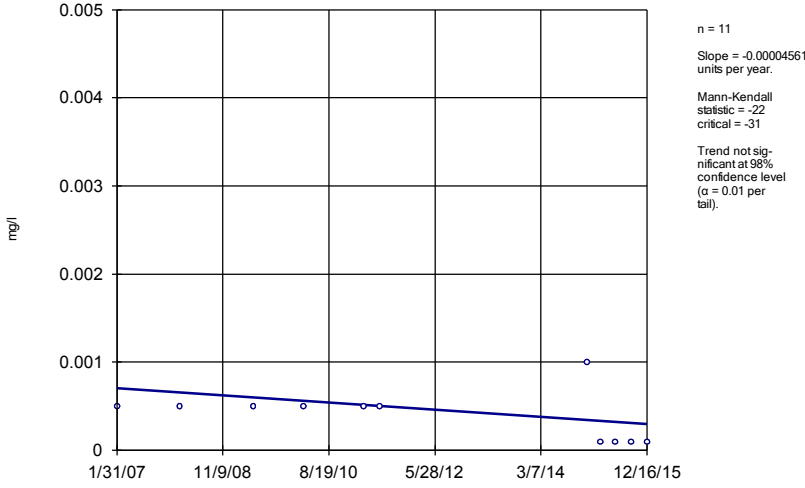
Constituent: Thallium Analysis Run 2/2/2016 2:05 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-3



n = 11

Slope = -0.00004561 units per year.

Mann-Kendall statistic = -22
critical = -31

Trend not significant at 98% confidence level (α = 0.01 per tail).

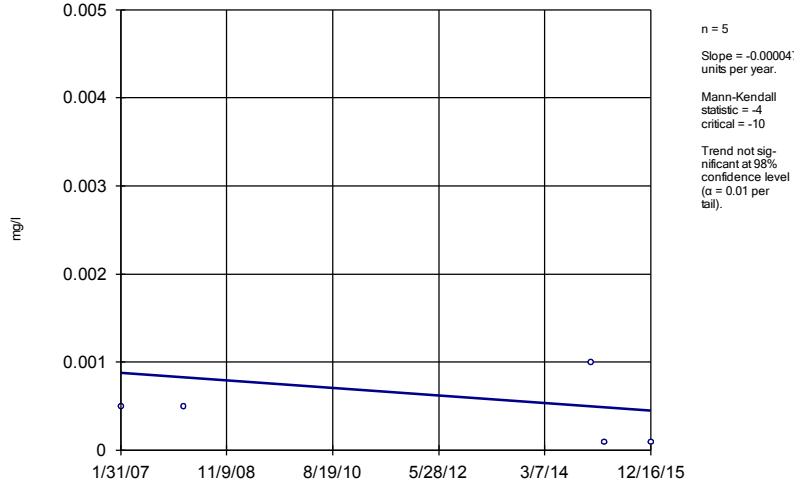
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-4



n = 5

Slope = -0.00004778 units per year.

Mann-Kendall statistic = -4
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

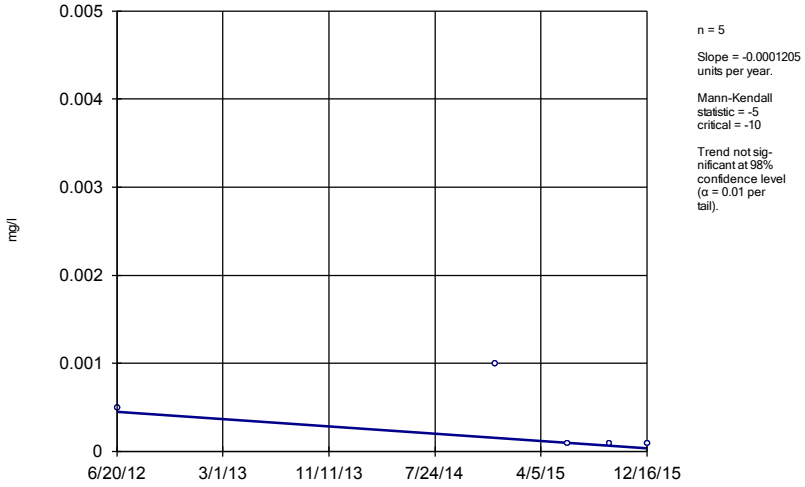
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

LFENTRANCESEEP



n = 5

Slope = -0.0001205 units per year.

Mann-Kendall statistic = -5
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

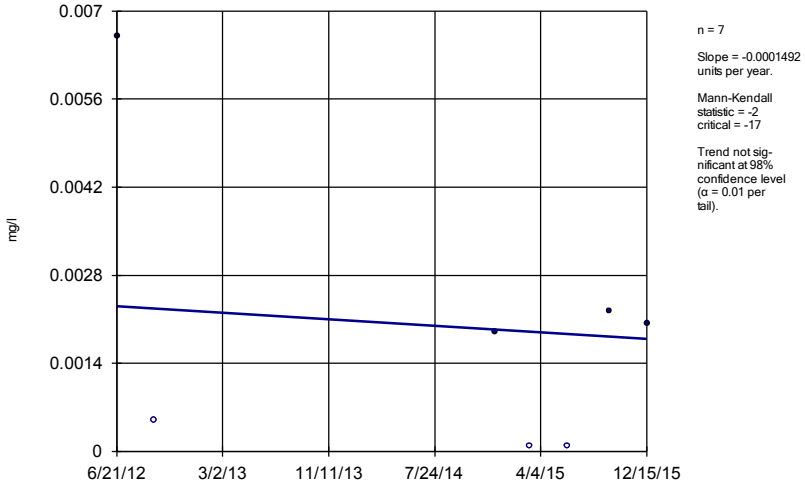
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1R



n = 7

Slope = -0.0001492 units per year.

Mann-Kendall statistic = -2
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

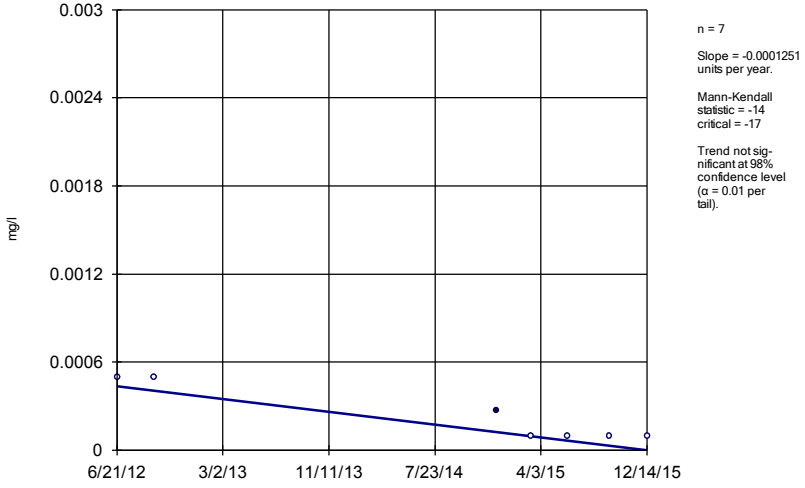
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-2



n = 7

Slope = -0.0001251 units per year.

Mann-Kendall statistic = -14
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

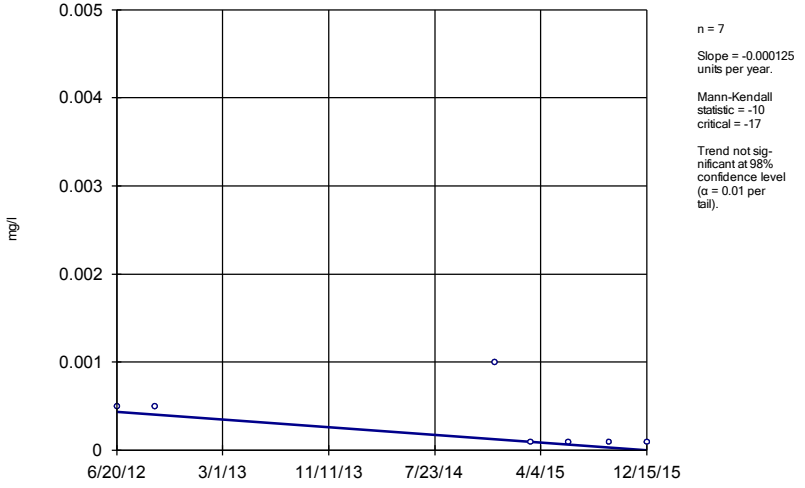
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-3



n = 7

Slope = -0.000125 units per year.

Mann-Kendall statistic = -10
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

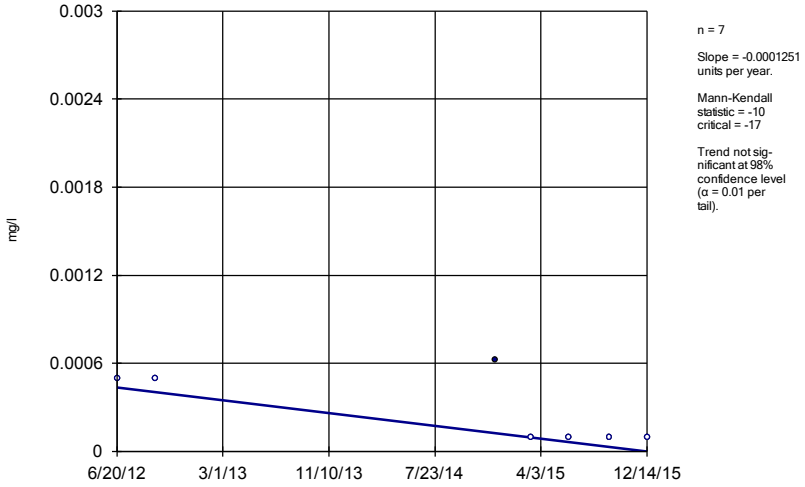
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-6



n = 7

Slope = -0.0001251 units per year.

Mann-Kendall statistic = -10
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

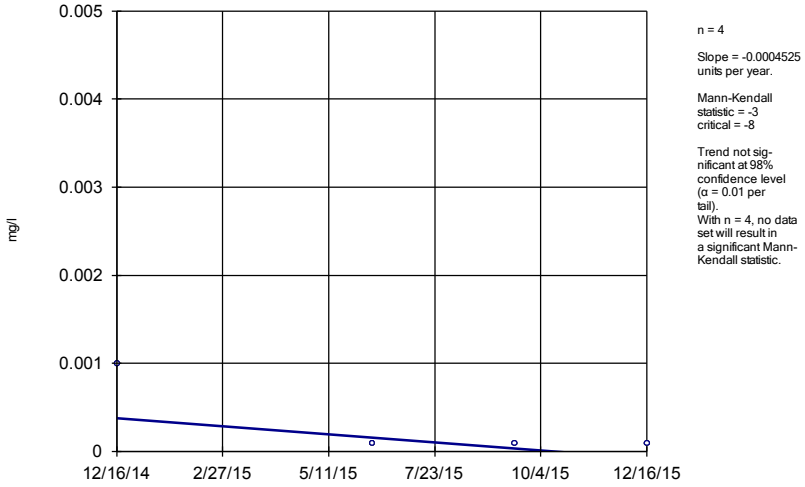
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIDRAW



n = 4

Slope = -0.0004525 units per year.

Mann-Kendall statistic = -3
critical = -8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

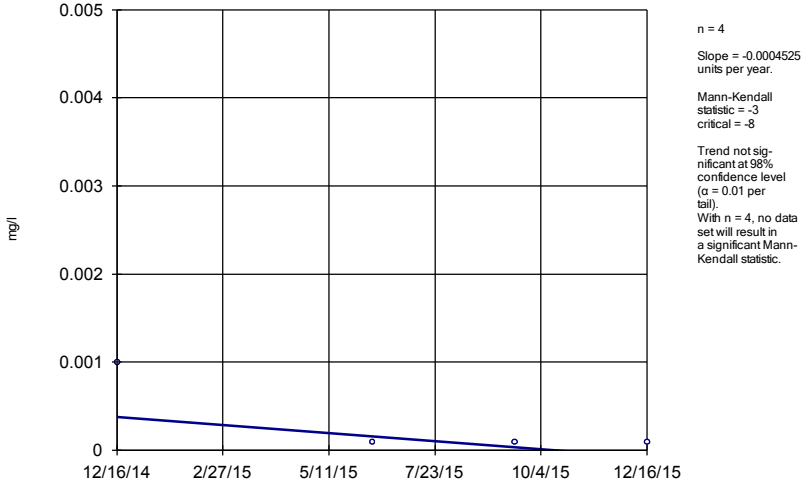
Constituent: Thallium Analysis Run 2/2/2016 2:05 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIVDRAW



n = 4

Slope = -0.0004525 units per year.

Mann-Kendall statistic = -3
critical = -8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

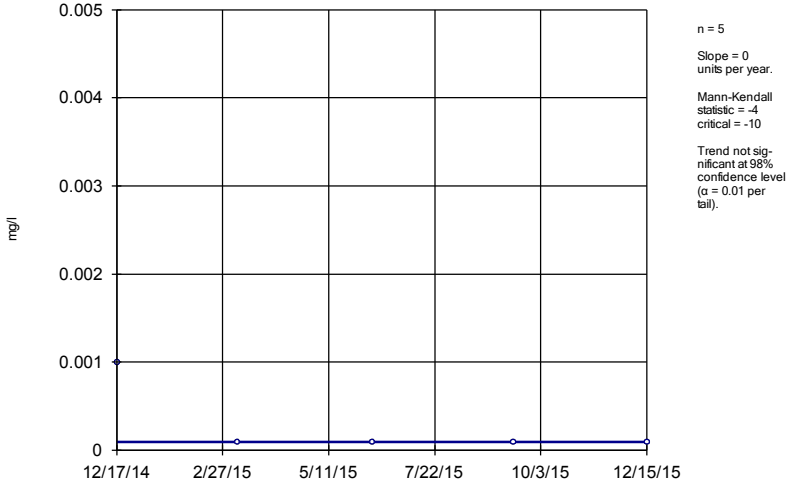
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-NE-3



n = 5

Slope = 0 units per year.

Mann-Kendall statistic = -4
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

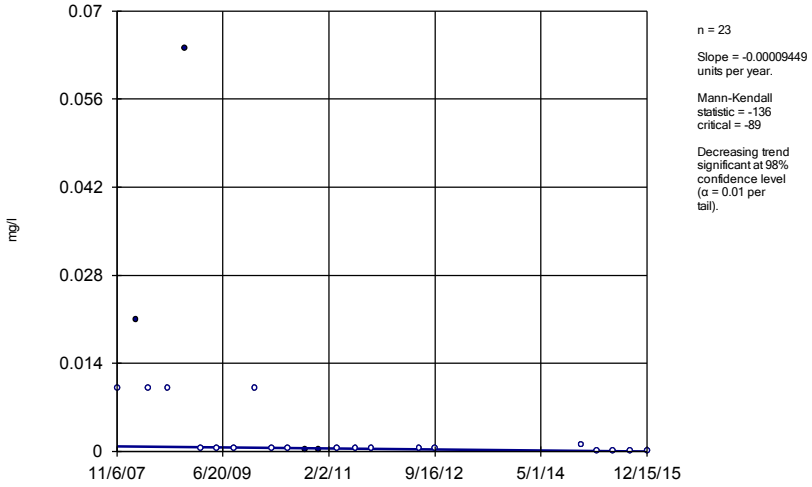
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-4



n = 23

Slope = -0.00009449 units per year.

Mann-Kendall statistic = -136
critical = -89

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

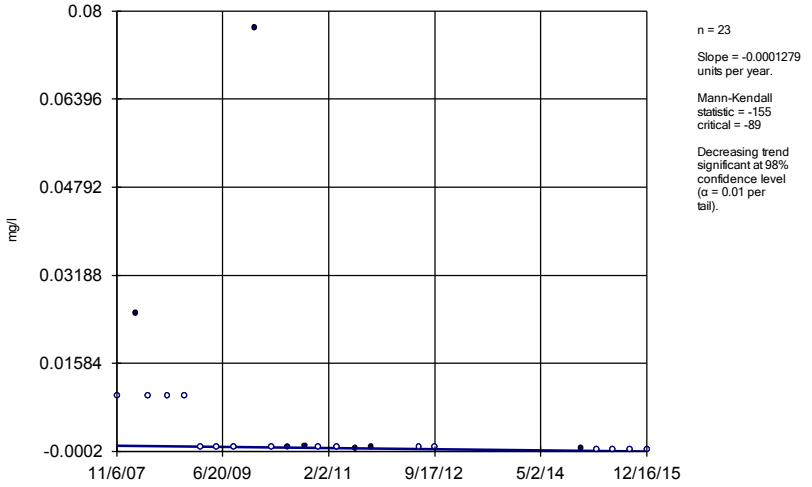
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-1



n = 23

Slope = -0.0001279 units per year.

Mann-Kendall statistic = -155
critical = -89

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

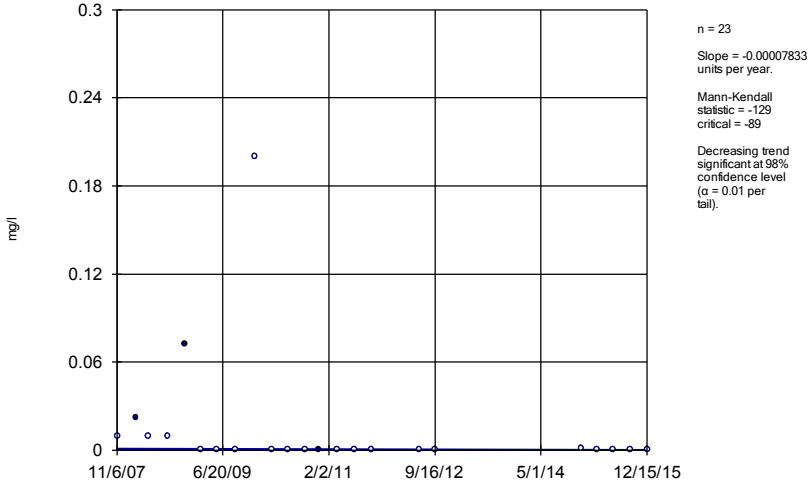
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-2



n = 23

Slope = -0.00007833 units per year.

Mann-Kendall statistic = -129
critical = -89

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

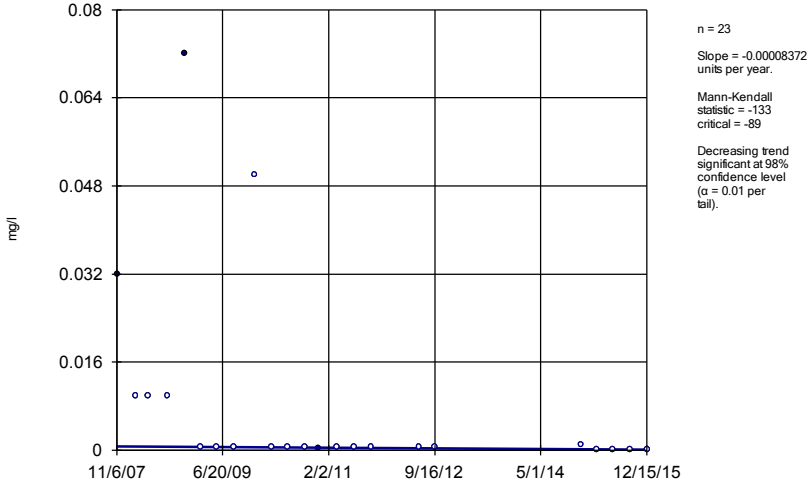
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-3



n = 23

Slope = -0.00008372 units per year.

Mann-Kendall statistic = -133
critical = -89

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

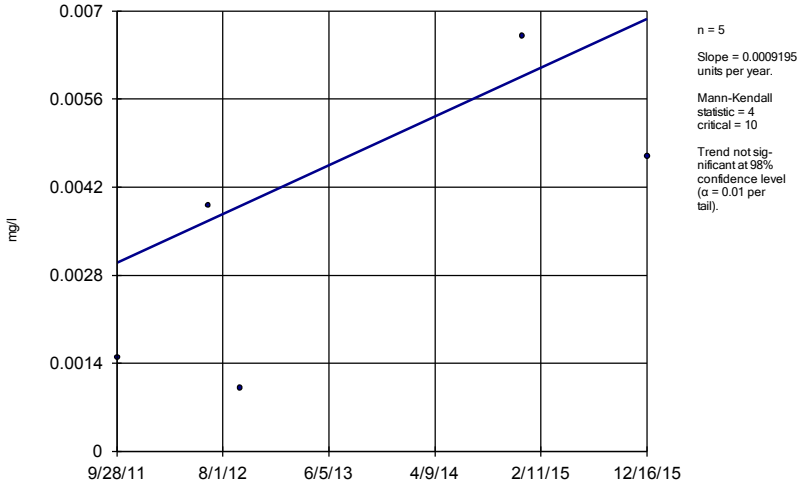
Constituent: Tin Analysis Run 2/2/2016 2:05 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

LEACHATE



n = 5

Slope = 0.0009195 units per year.

Mann-Kendall statistic = 4
critical = 10

Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Tin Analysis Run 2/2/2016 2:05 PM

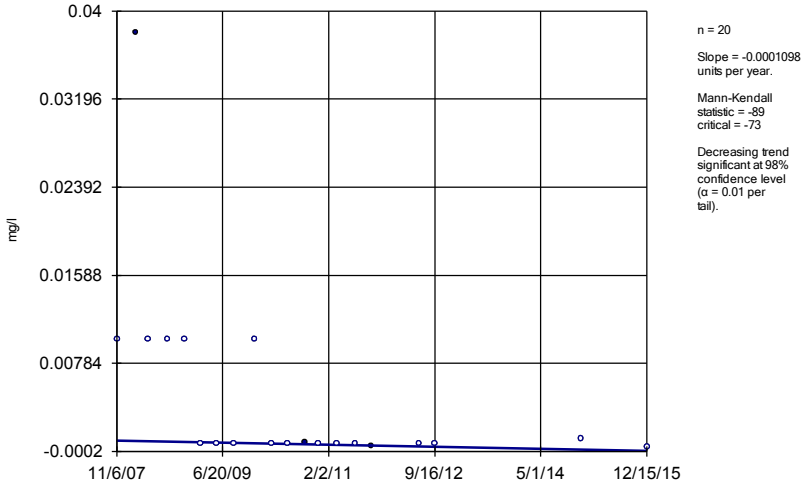
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1



n = 20

Slope = -0.0001098 units per year.

Mann-Kendall statistic = -89
critical = -73

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Tin Analysis Run 2/2/2016 2:05 PM

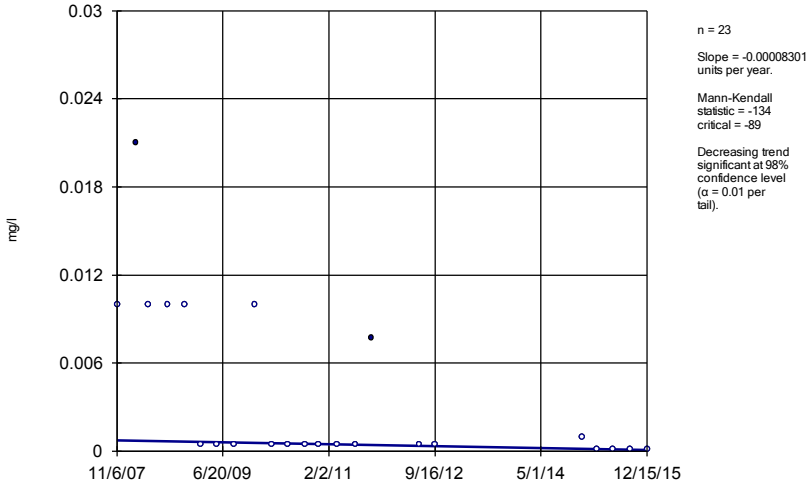
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-2



n = 23

Slope = -0.00008301 units per year.

Mann-Kendall statistic = -134
critical = -89

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Tin Analysis Run 2/2/2016 2:05 PM

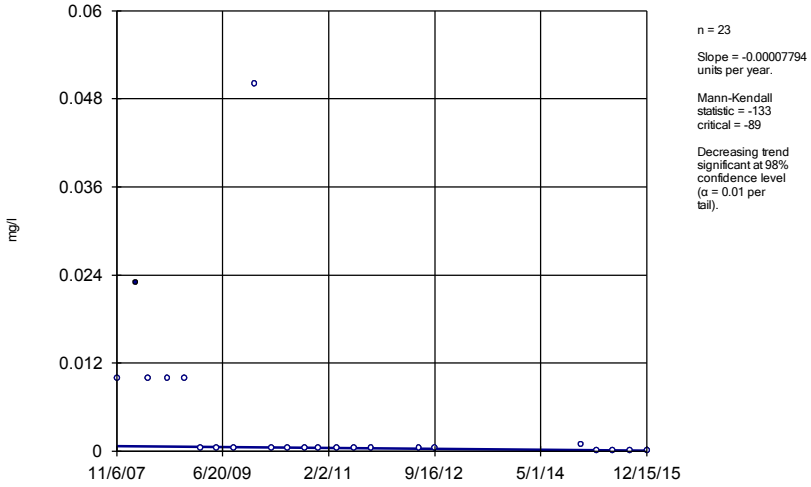
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-3



n = 23

Slope = -0.00007794 units per year.

Mann-Kendall statistic = -133
critical = -89

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

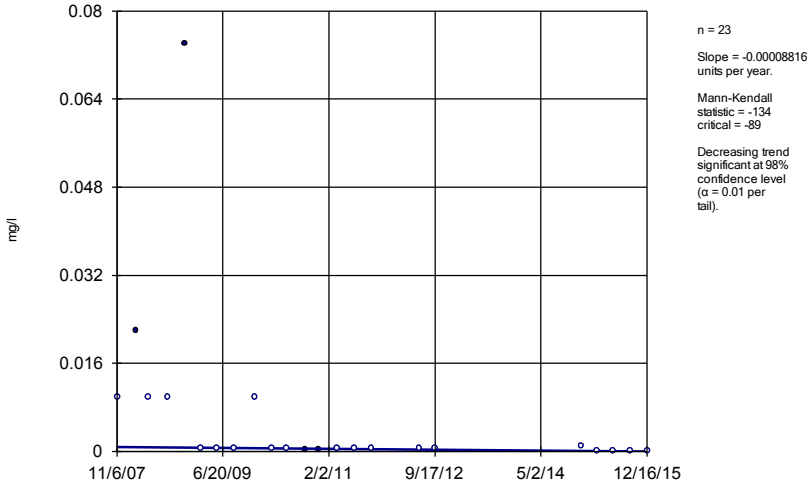
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-5



n = 23

Slope = -0.00008816 units per year.

Mann-Kendall statistic = -134
critical = -89

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

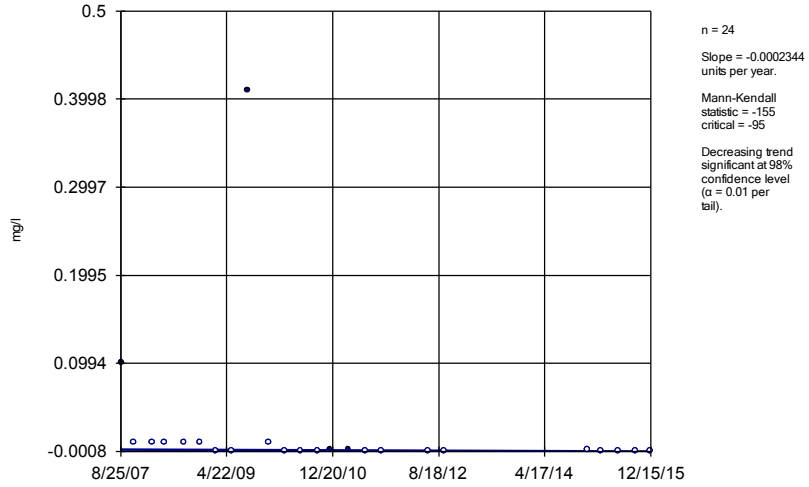
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-509D



n = 24

Slope = -0.0002344 units per year.

Mann-Kendall statistic = -155
critical = -95

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

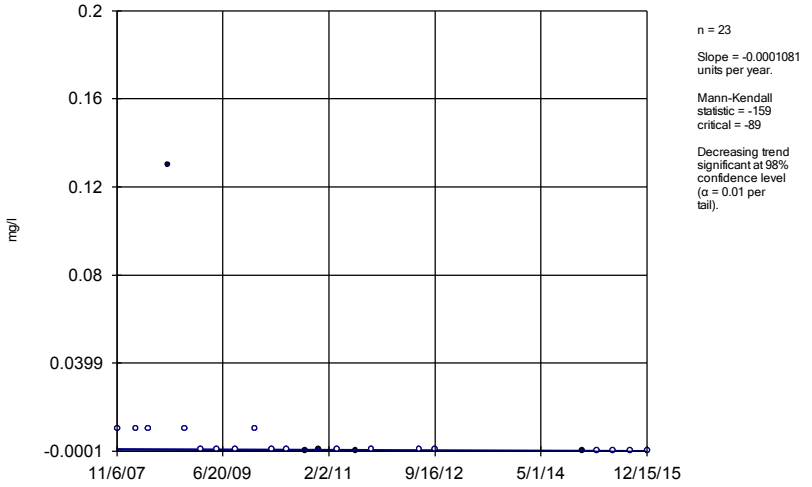
Constituent: Tin Analysis Run 2/2/2016 2:05 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-577



n = 23

Slope = -0.0001081 units per year.

Mann-Kendall statistic = -159
critical = -89

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

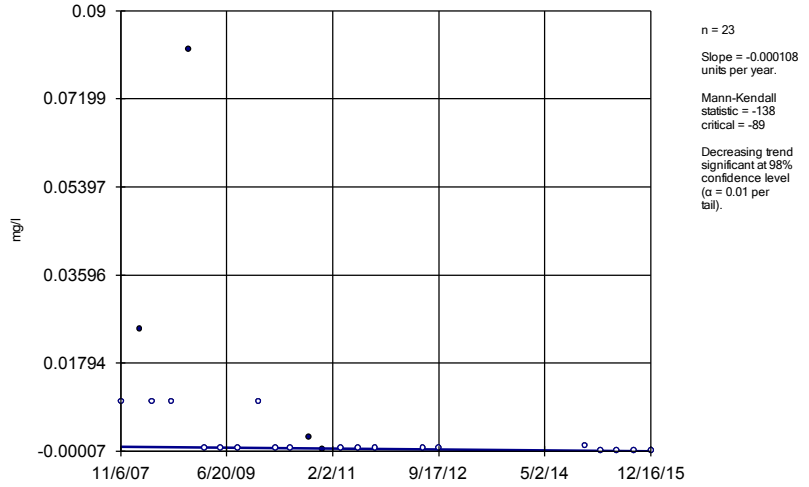
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-6



n = 23

Slope = -0.000108 units per year.

Mann-Kendall statistic = -138
critical = -89

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

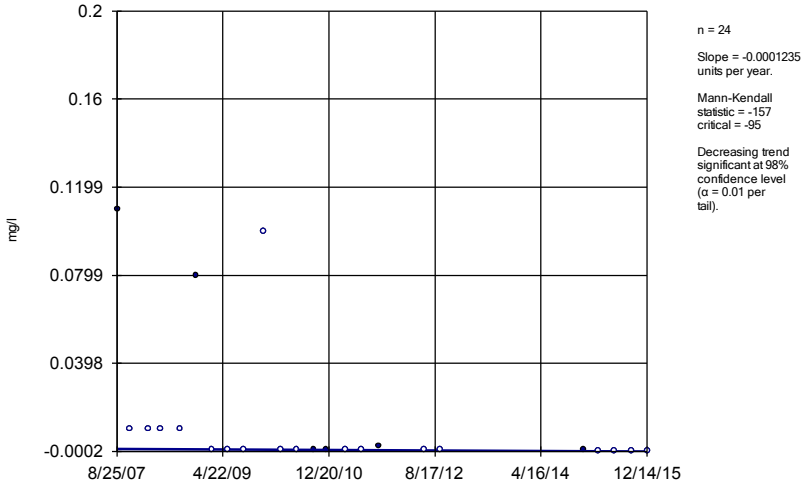
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-633D



n = 24

Slope = -0.0001235 units per year.

Mann-Kendall statistic = -157
critical = -95

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

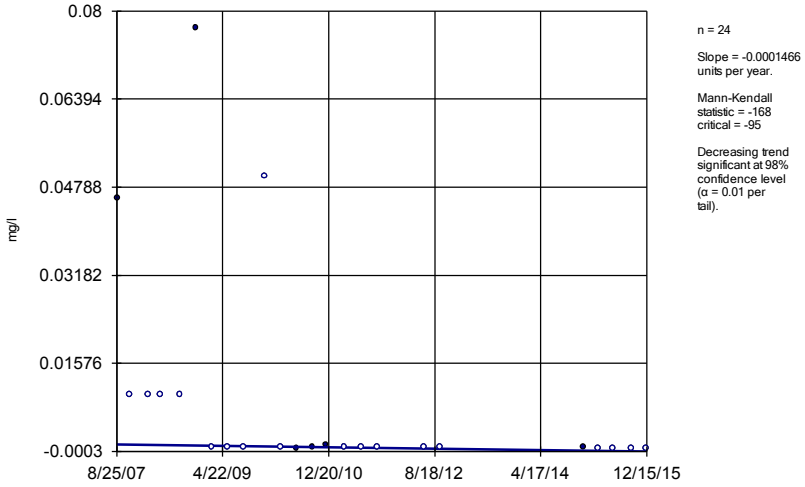
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-689D



n = 24

Slope = -0.0001466 units per year.

Mann-Kendall statistic = -168
critical = -95

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

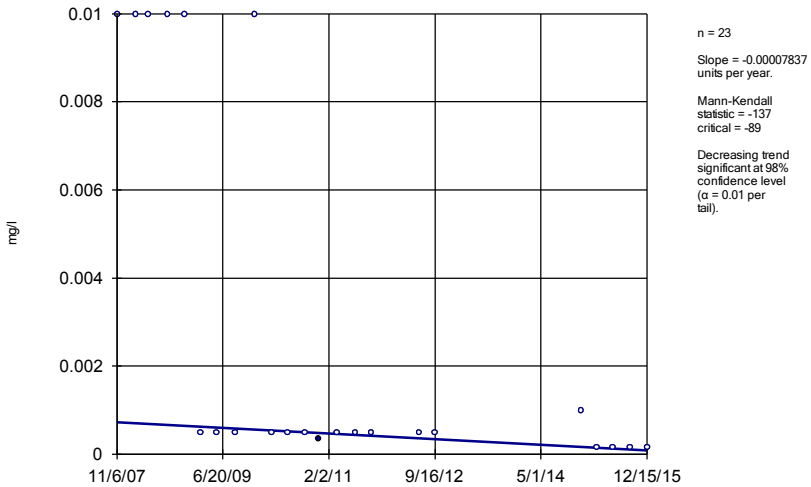
Constituent: Tin Analysis Run 2/2/2016 2:05 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-7



n = 23

Slope = -0.00007837 units per year.

Mann-Kendall statistic = -137
critical = -89

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

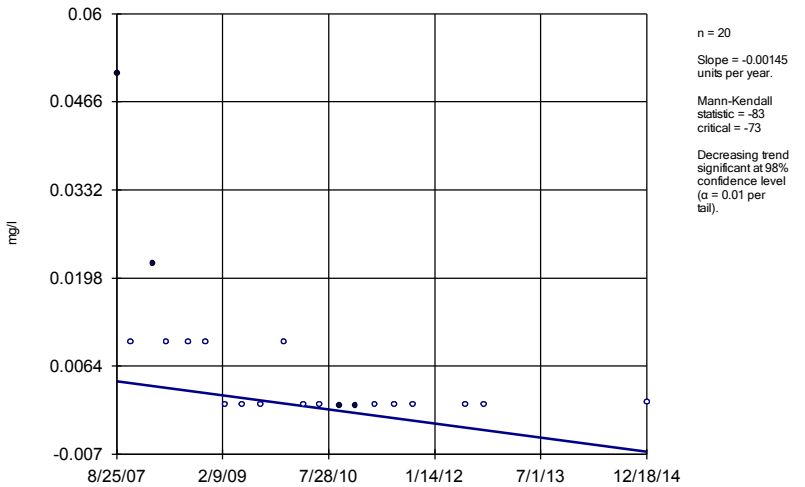
Constituent: Tin Analysis Run 2/2/2016 2:05 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-1



n = 20

Slope = -0.00145 units per year.

Mann-Kendall statistic = -83
critical = -73

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

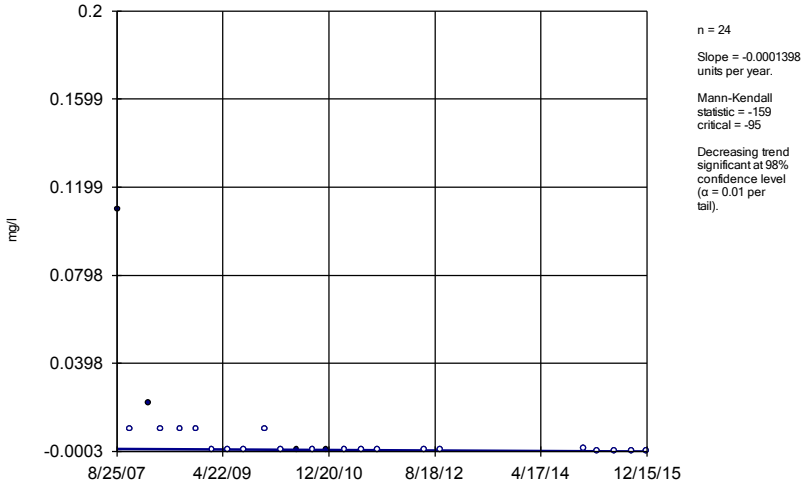
Constituent: Tin Analysis Run 2/2/2016 2:05 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-2



n = 24

Slope = -0.0001398 units per year.

Mann-Kendall statistic = -159
critical = -95

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

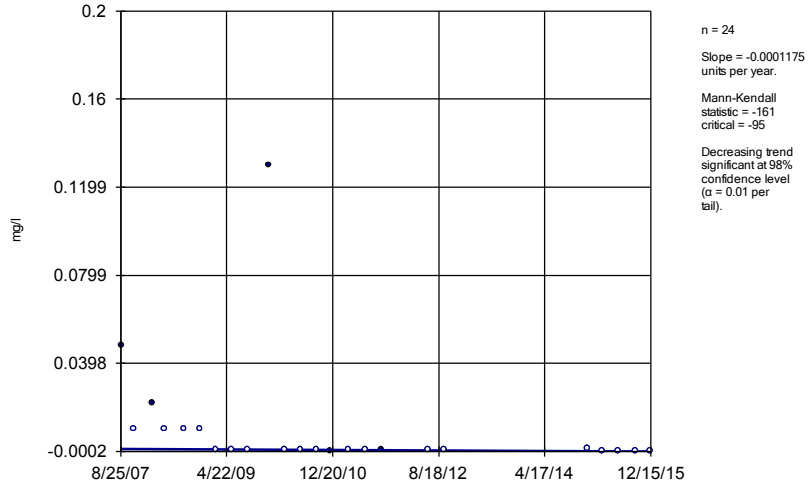
Constituent: Tin Analysis Run 2/2/2016 2:05 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-3



n = 24

Slope = -0.0001175 units per year.

Mann-Kendall statistic = -161
critical = -95

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

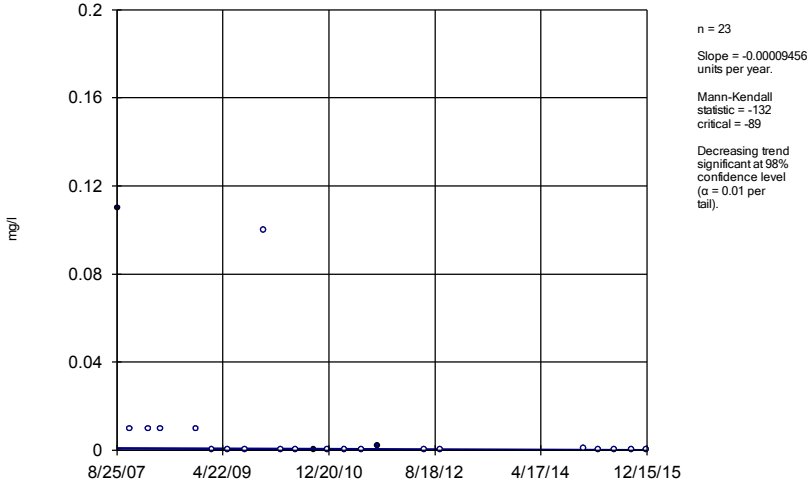
Constituent: Tin Analysis Run 2/2/2016 2:05 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-4



n = 23

Slope = -0.00009456 units per year.

Mann-Kendall statistic = -132
critical = -89

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

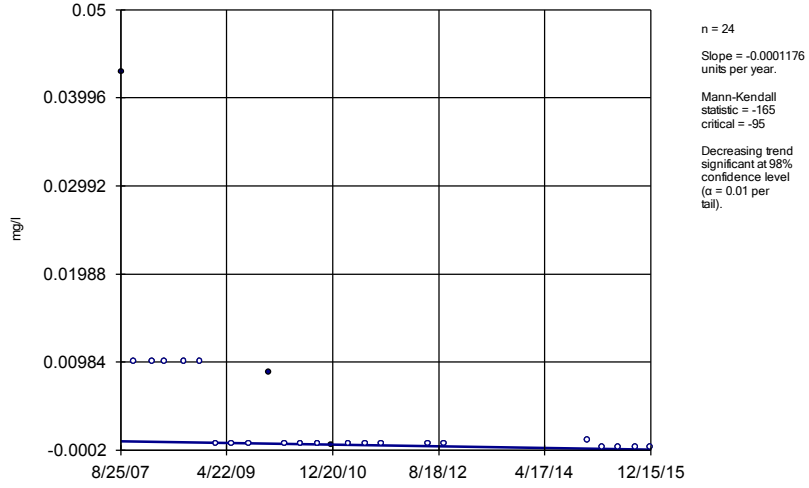
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-7



n = 24

Slope = -0.0001176 units per year.

Mann-Kendall statistic = -165
critical = -95

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

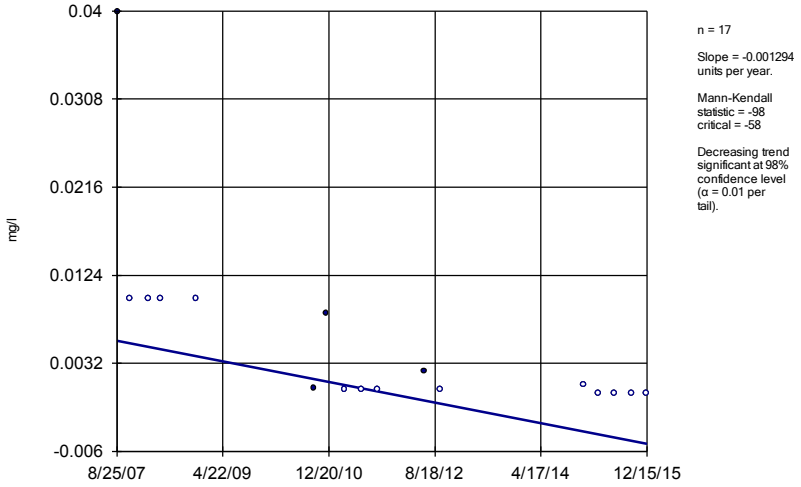
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-8



n = 17

Slope = -0.001294 units per year.

Mann-Kendall statistic = -98
critical = -58

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

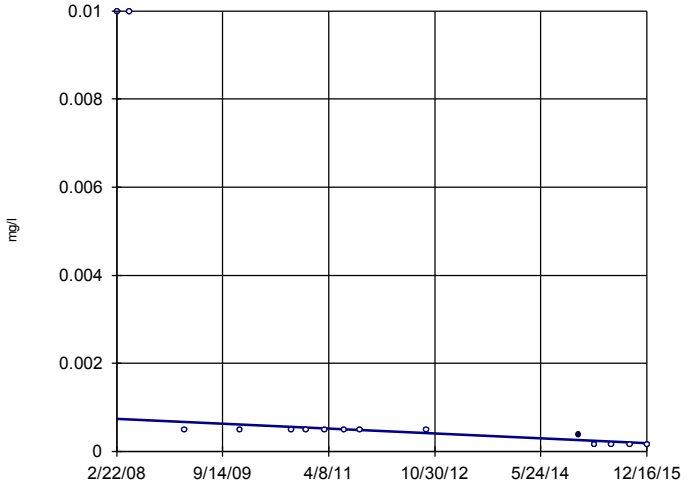
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-7



n = 15

Slope = -0.00006966 units per year.

Mann-Kendall statistic = -70
critical = -48

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

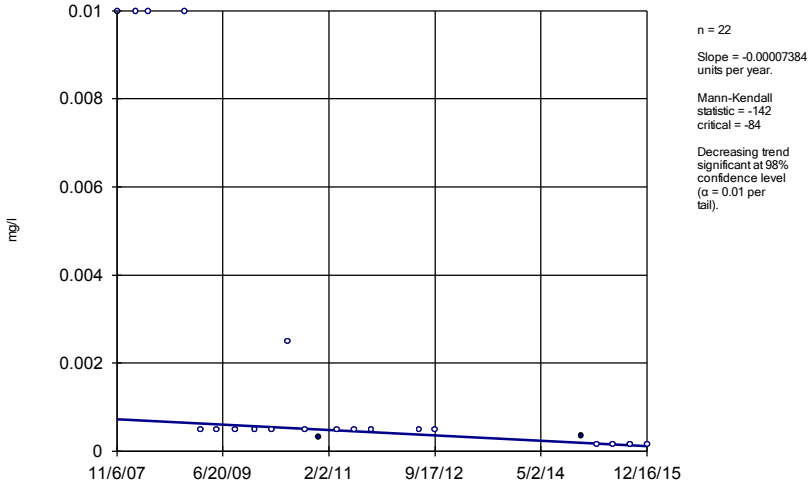
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGA



n = 22

Slope = -0.00007384 units per year.

Mann-Kendall statistic = -142
critical = -84

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

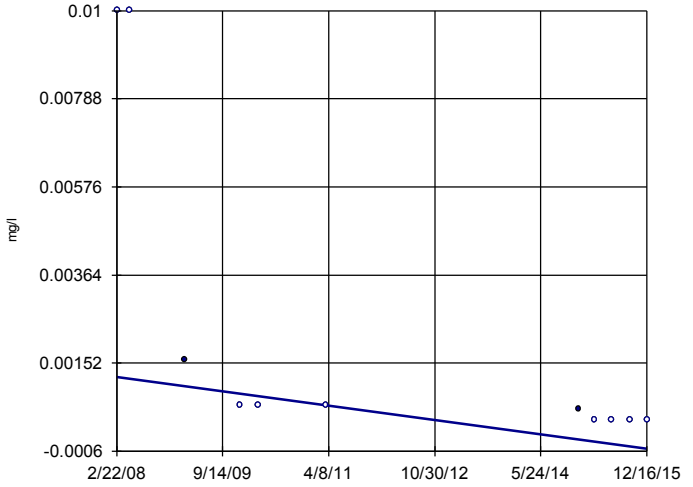
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGB



n = 11

Slope = -0.0002206 units per year.

Mann-Kendall statistic = -45
critical = -31

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

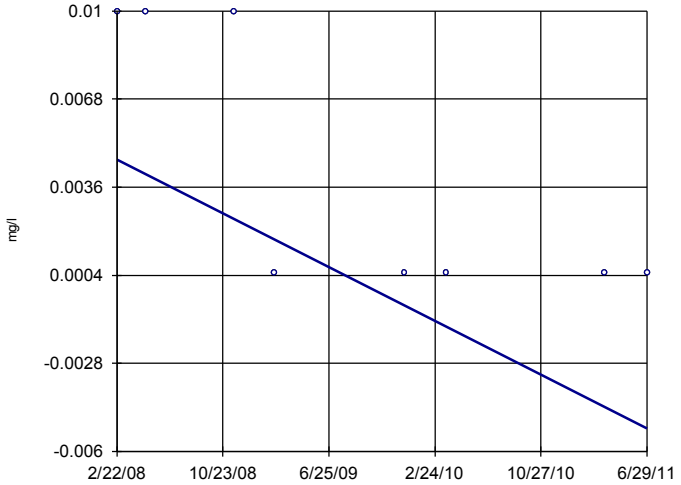
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

TSP-1



n = 8

Slope = -0.002917 units per year.

Mann-Kendall statistic = -15
critical = -20

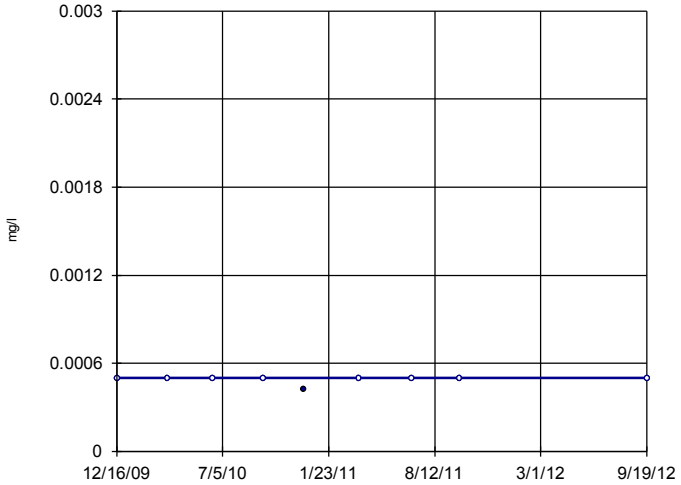
Trend not significant at 98% confidence level (α = 0.01 per tail).

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Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-2



n = 9

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 23

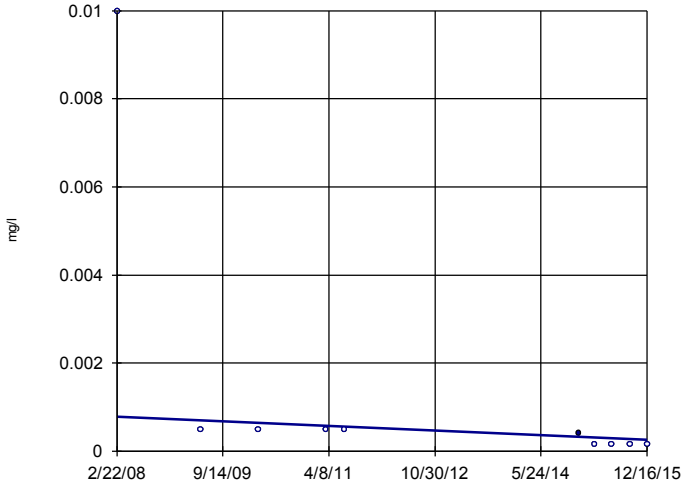
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Tin Analysis Run 2/2/2016 2:05 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-3



n = 10

Slope = -0.00006706 units per year.

Mann-Kendall statistic = -33
critical = -27

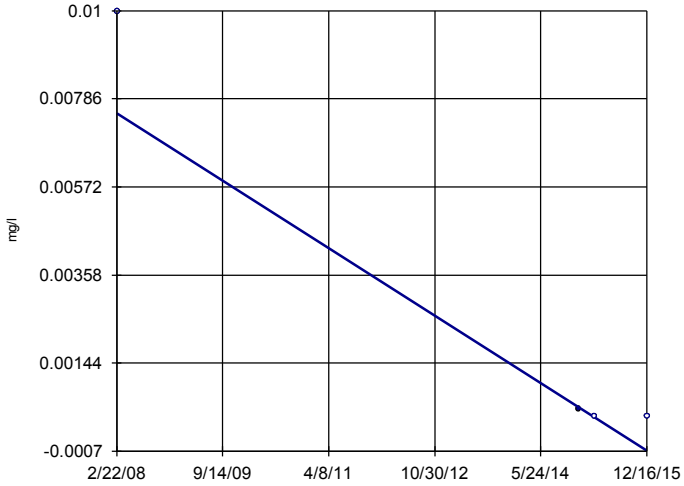
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Tin Analysis Run 2/2/2016 2:05 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-4



n = 4

Slope = -0.001048 units per year.

Mann-Kendall statistic = -5
critical = -8

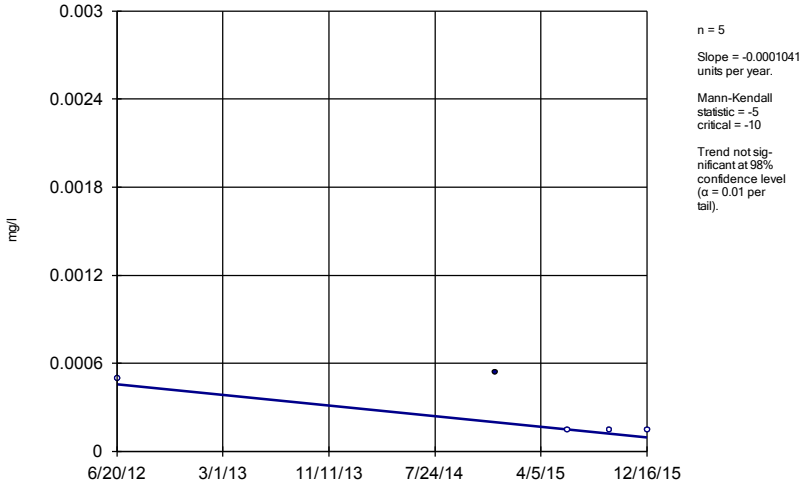
Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

Constituent: Tin Analysis Run 2/2/2016 2:05 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

LFENTRANCESEEP



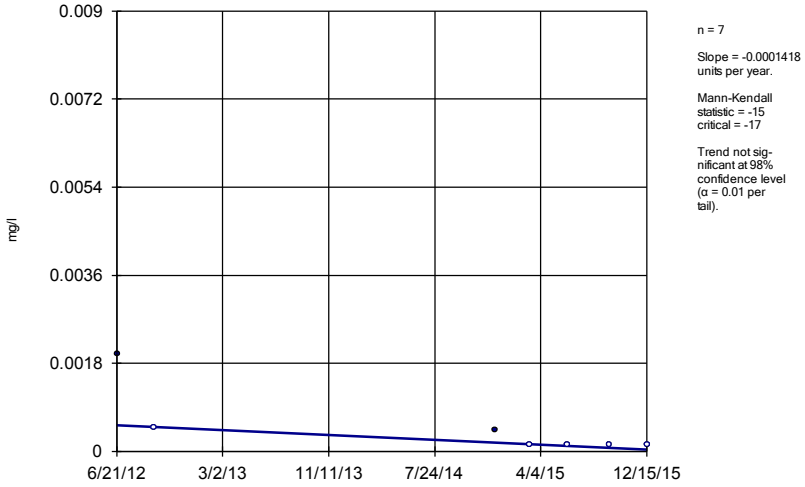
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1R



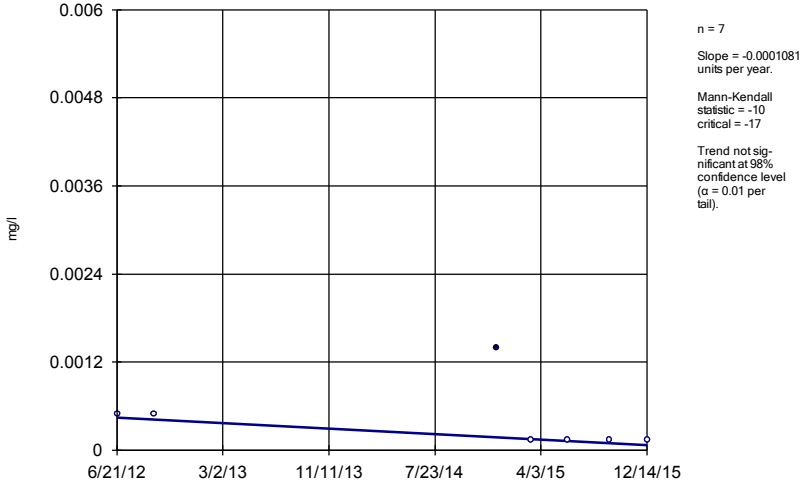
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-2



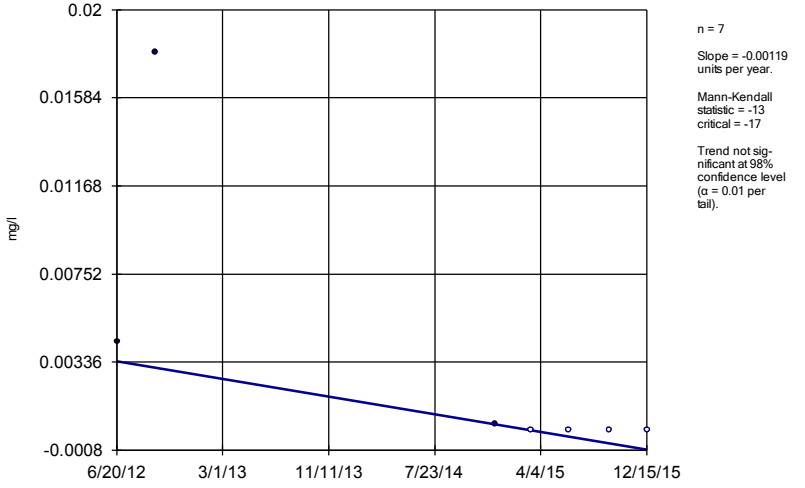
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-3



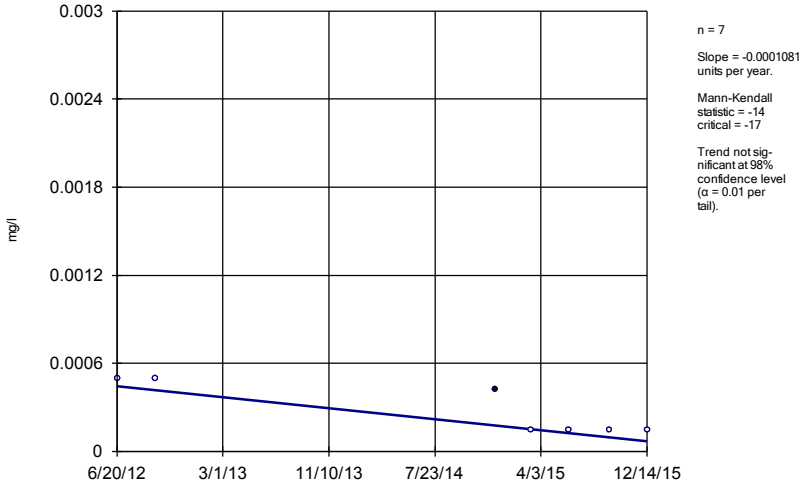
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-6



n = 7

Slope = -0.0001081 units per year.

Mann-Kendall statistic = -14
critical = -17

Trend not significant at 98% confidence level (α = 0.01 per tail).

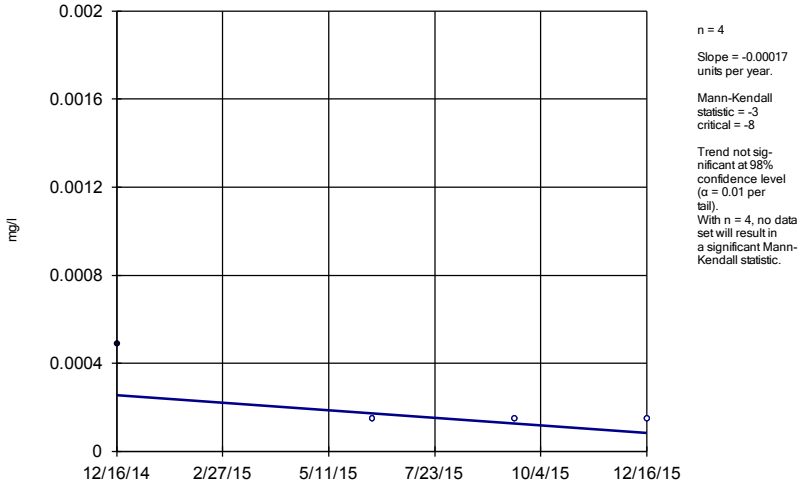
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIDRAW



n = 4

Slope = -0.00017 units per year.

Mann-Kendall statistic = -3
critical = -8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

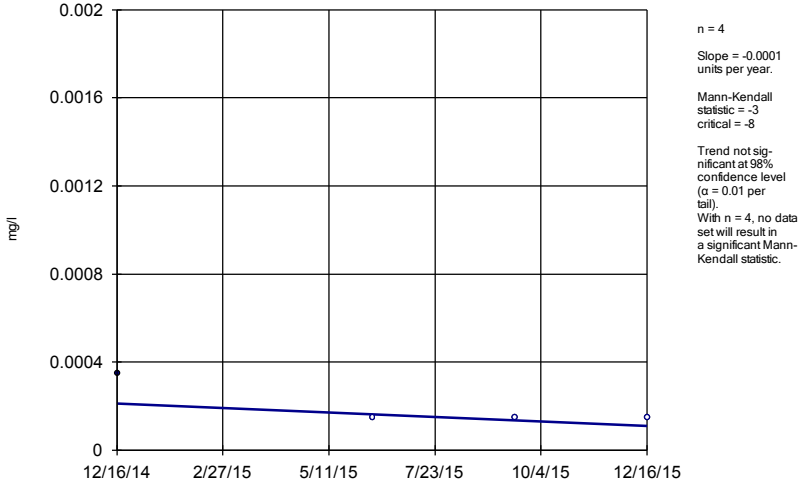
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIVDRAW



n = 4

Slope = -0.0001 units per year.

Mann-Kendall statistic = -3
critical = -8

Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

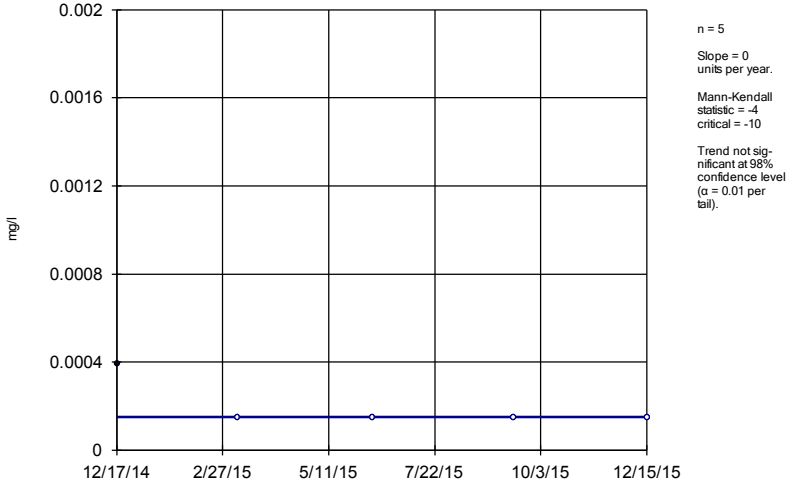
Constituent: Tin Analysis Run 2/2/2016 2:05 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-NE-3



n = 5

Slope = 0 units per year.

Mann-Kendall statistic = -4
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

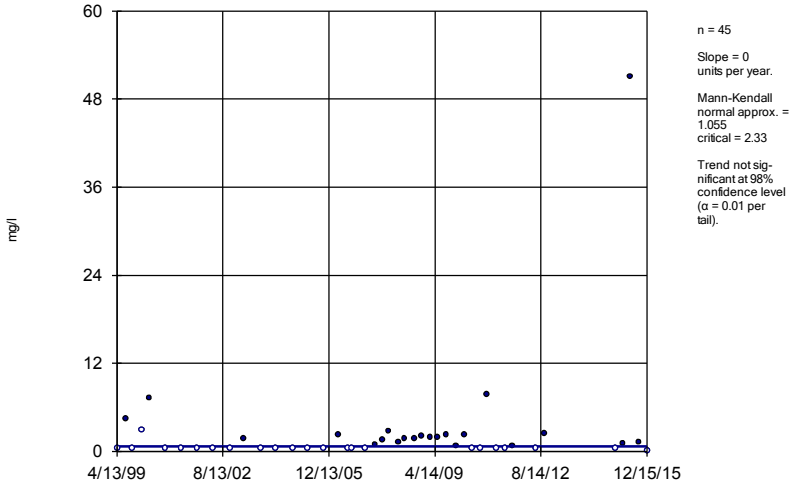
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-4

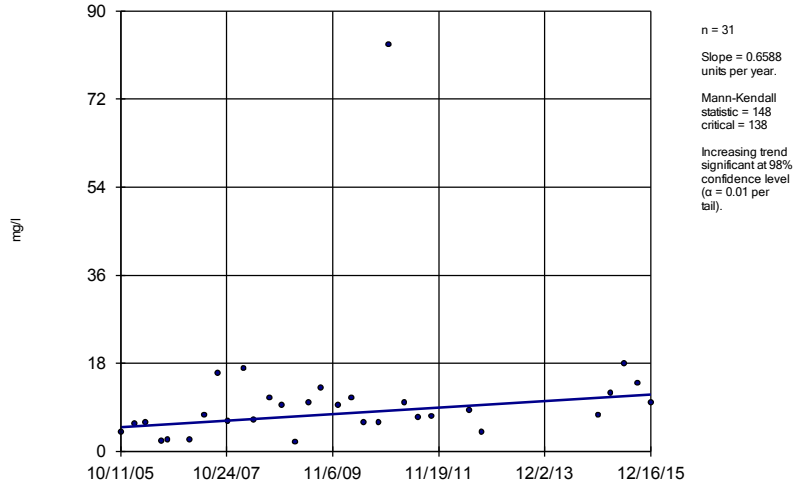


Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 2:05 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

CAO-1

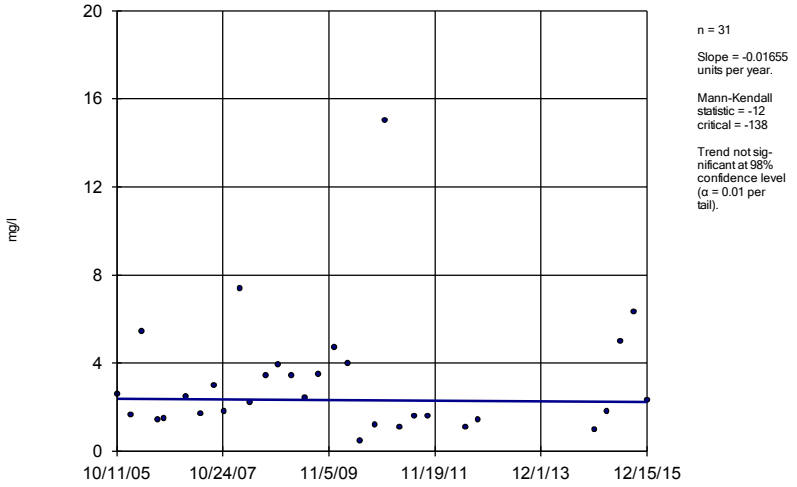


Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 2:05 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

CAO-2

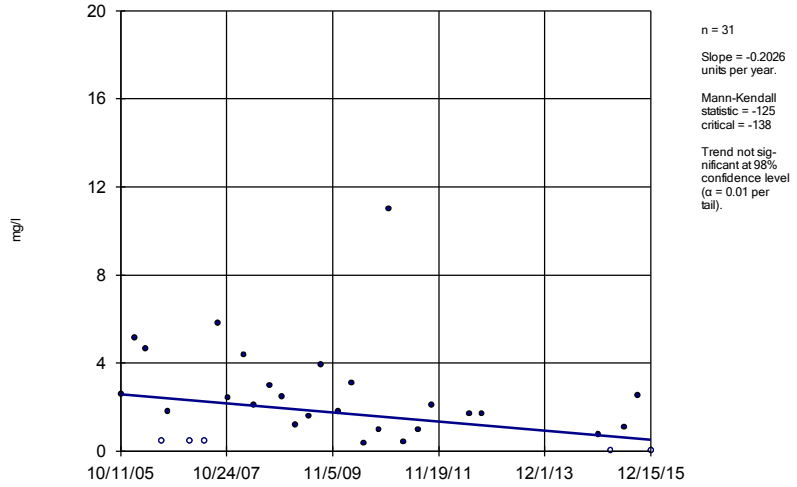


Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 2:05 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-3

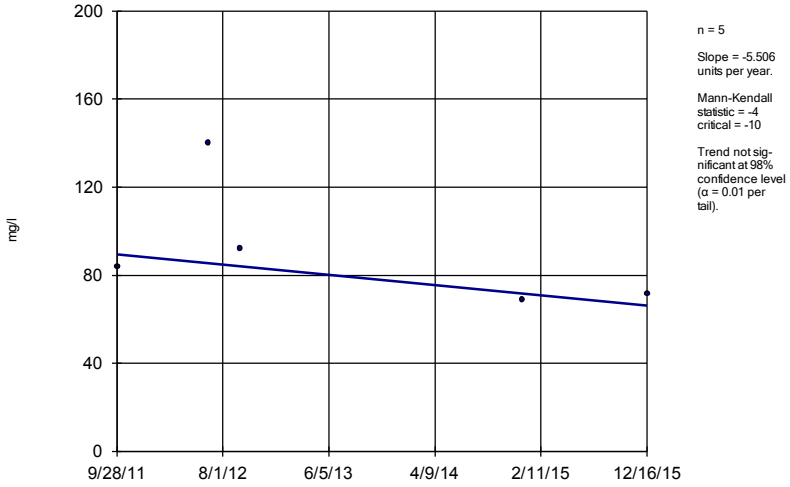


Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 2:05 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

LEACHATE



n = 5

Slope = -5.506 units per year.

Mann-Kendall statistic = -4 critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 2:05 PM

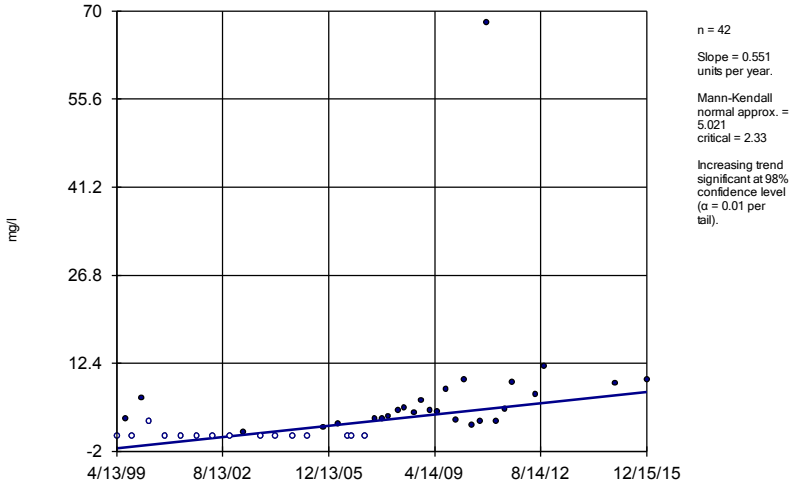
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1



n = 42

Slope = 0.551 units per year.

Mann-Kendall normal approx. = 5.021 critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 2:05 PM

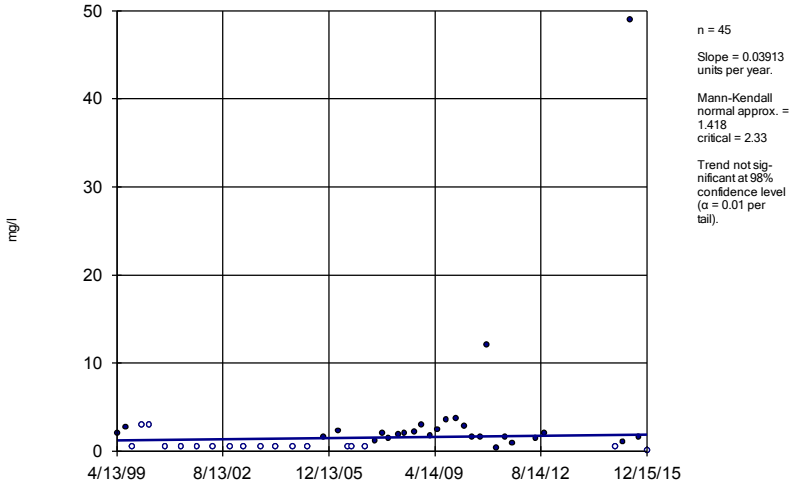
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-2



n = 45

Slope = 0.03913 units per year.

Mann-Kendall normal approx. = 1.418 critical = 2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 2:05 PM

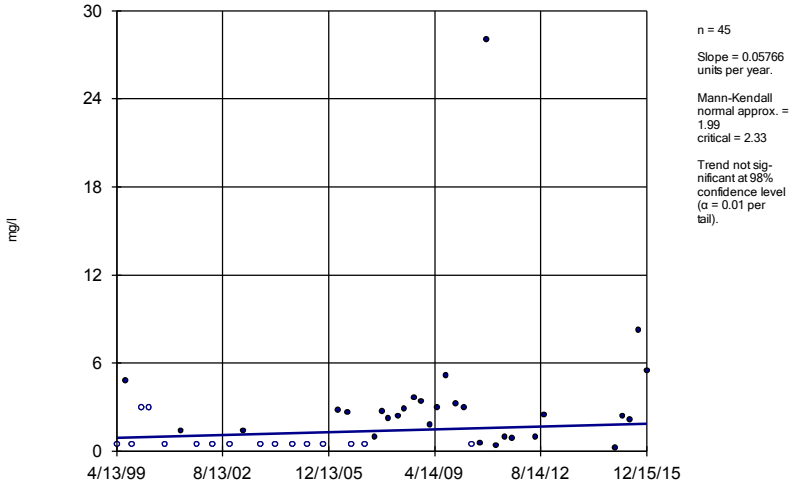
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-3



n = 45

Slope = 0.05766 units per year.

Mann-Kendall normal approx. = 1.99 critical = 2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

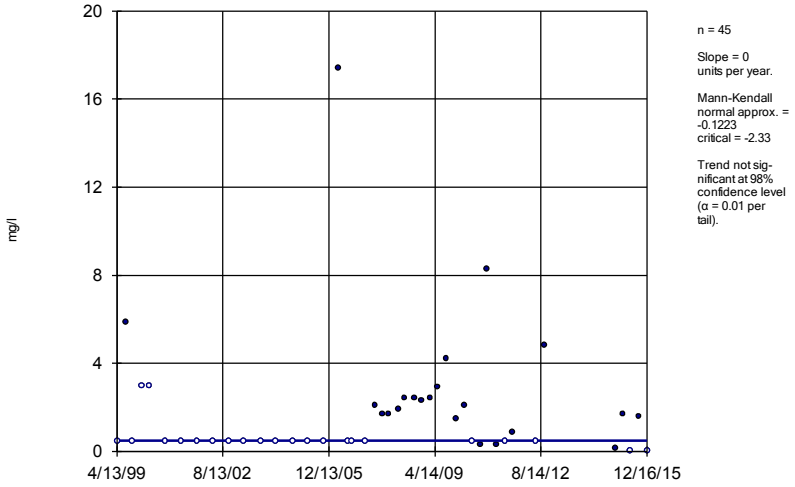
Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 2:05 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-5

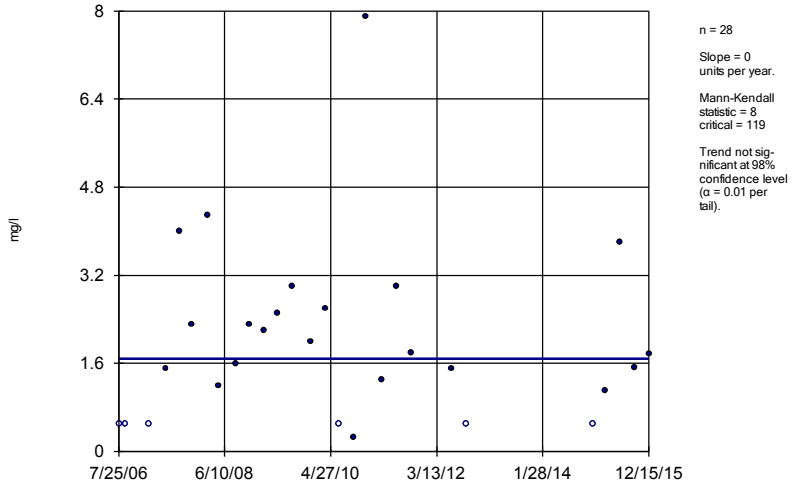


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-509D

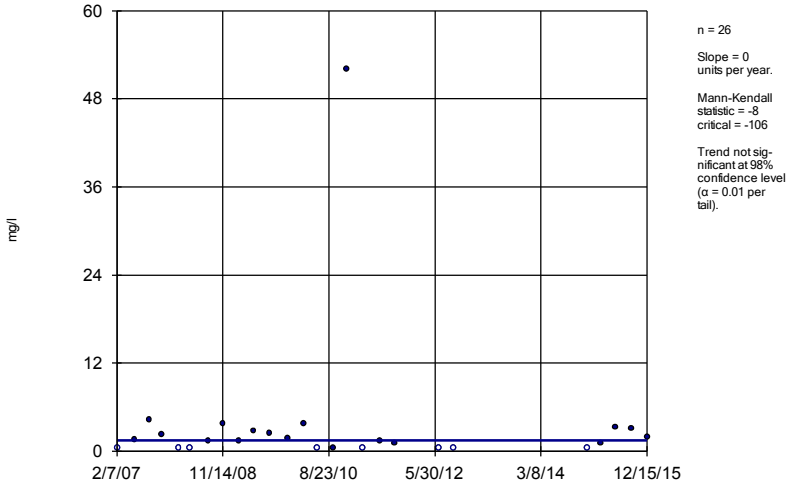


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-577

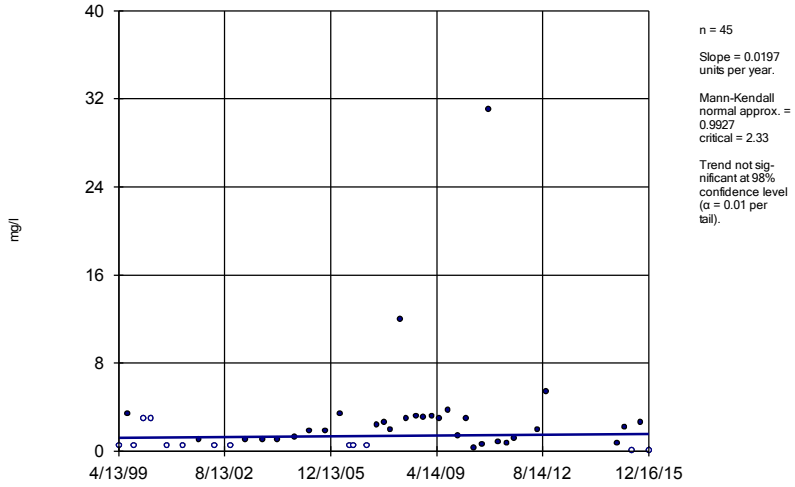


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-6

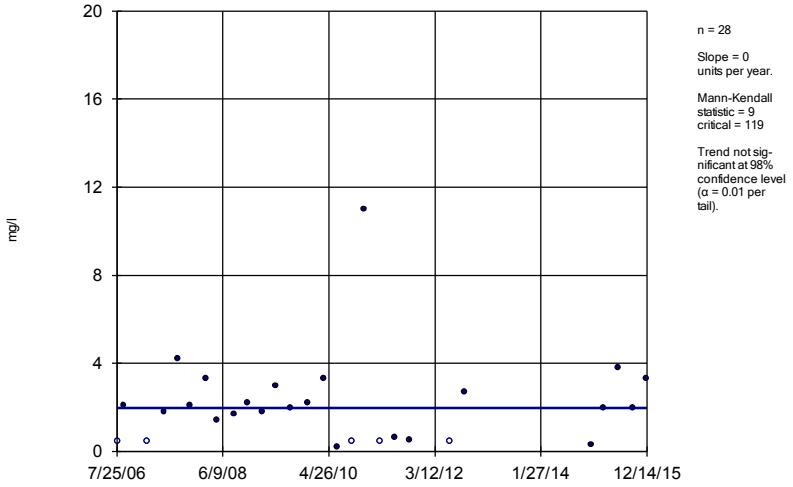


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-633D

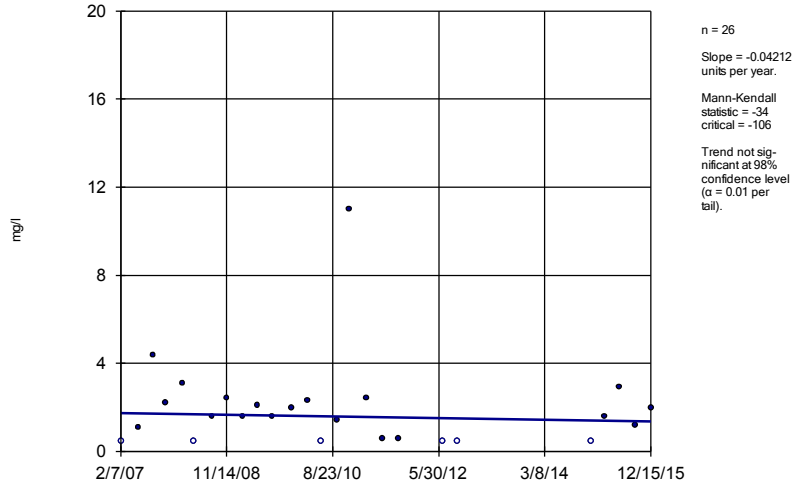


Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-689D

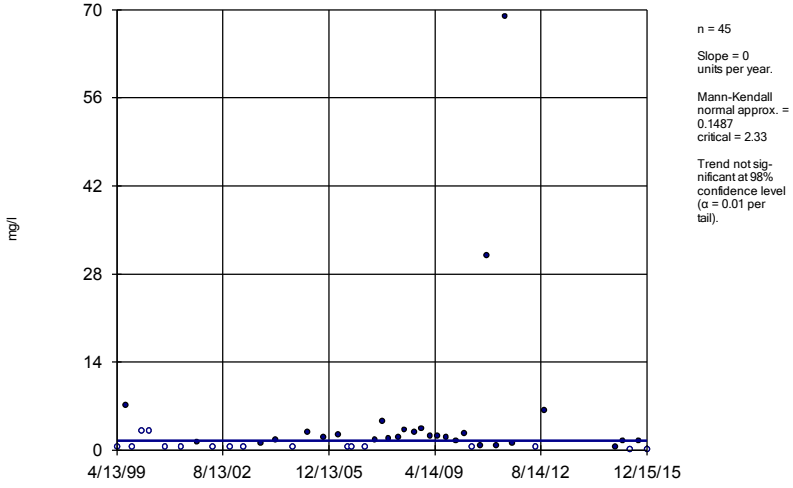


Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-7

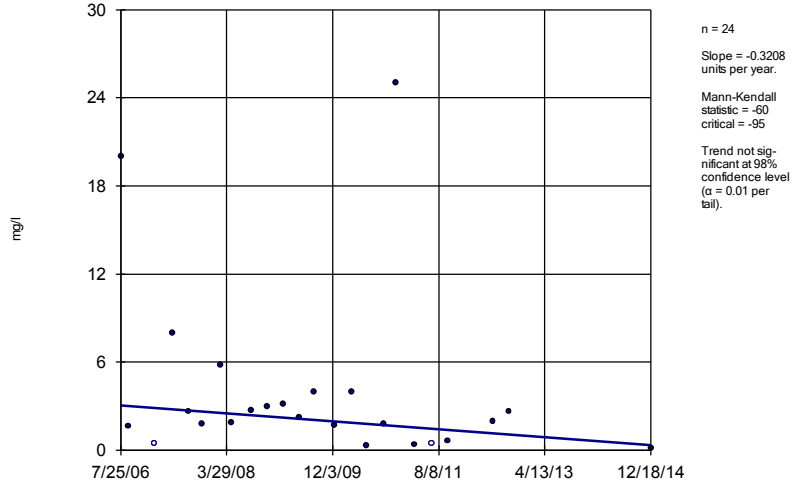


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-1

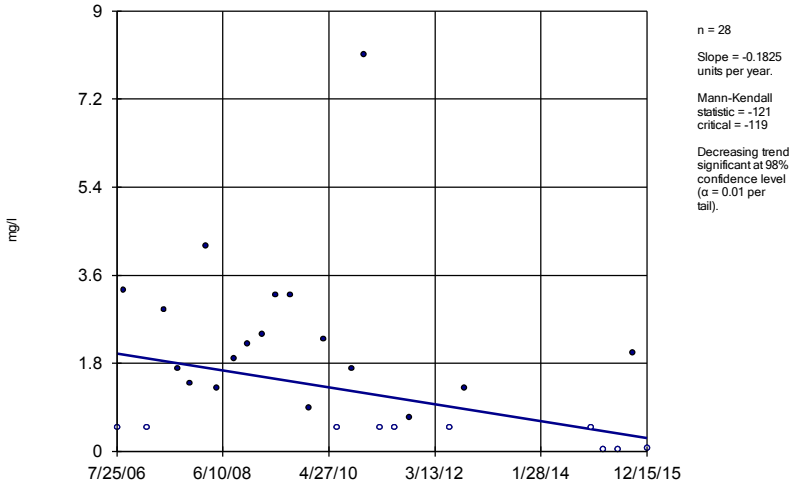


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-2

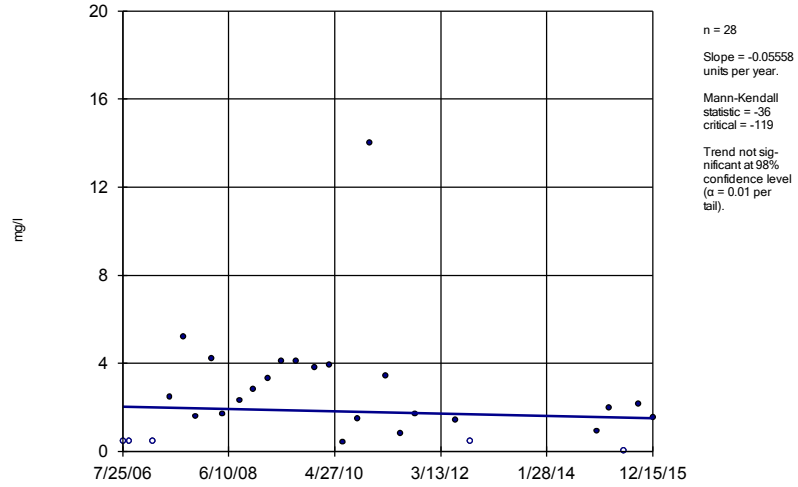


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-3

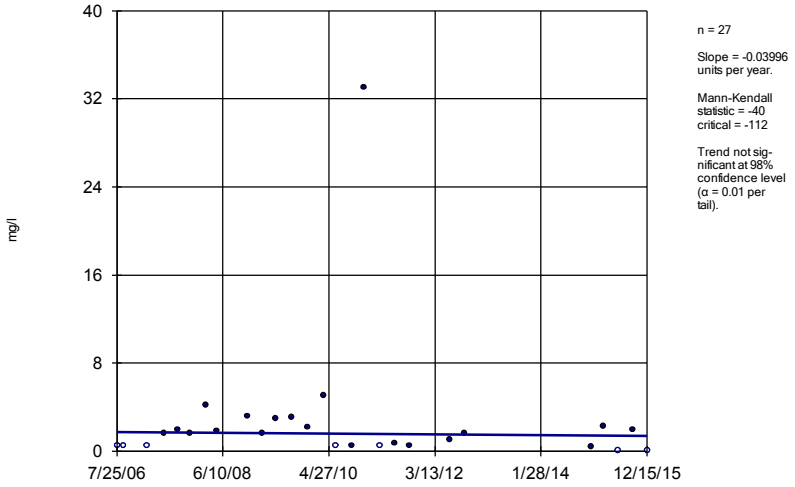


Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-4

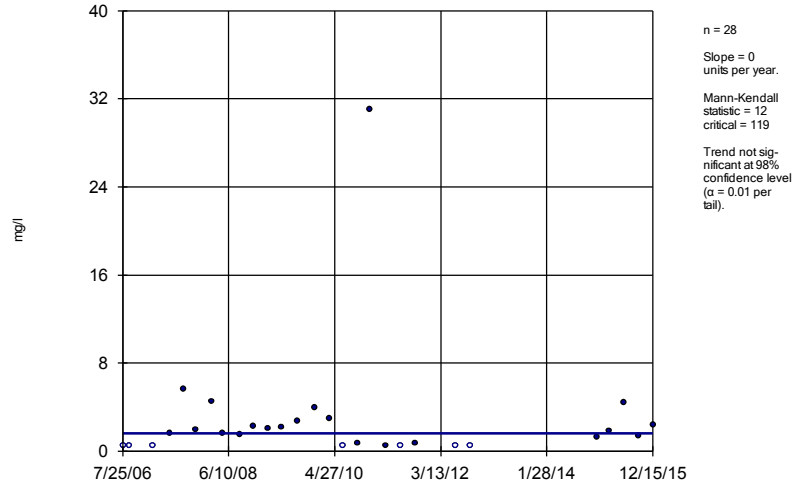


Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-7

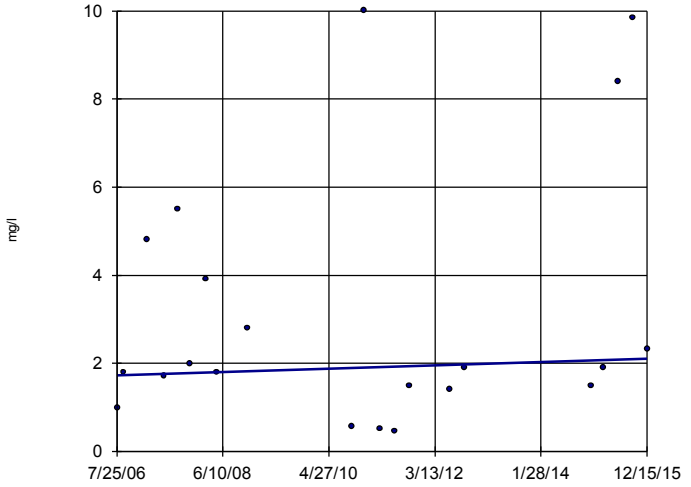


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

NAB-8



n = 21

Slope = 0.03982 units per year.

Mann-Kendall statistic = 17
critical = 78

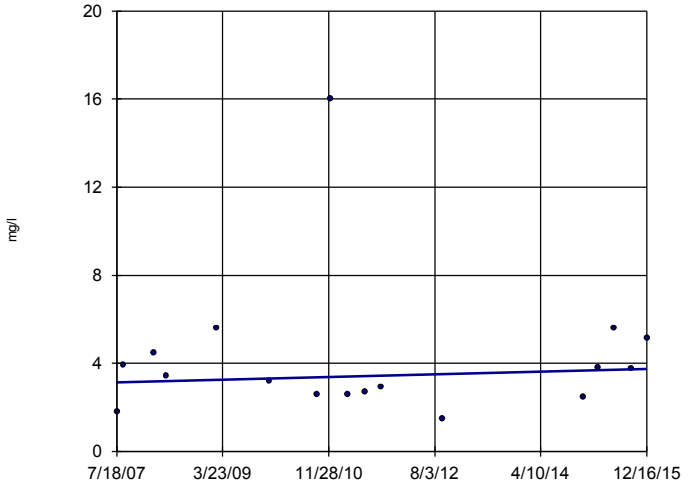
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

SP-7



n = 17

Slope = 0.07199 units per year.

Mann-Kendall statistic = 6
critical = 58

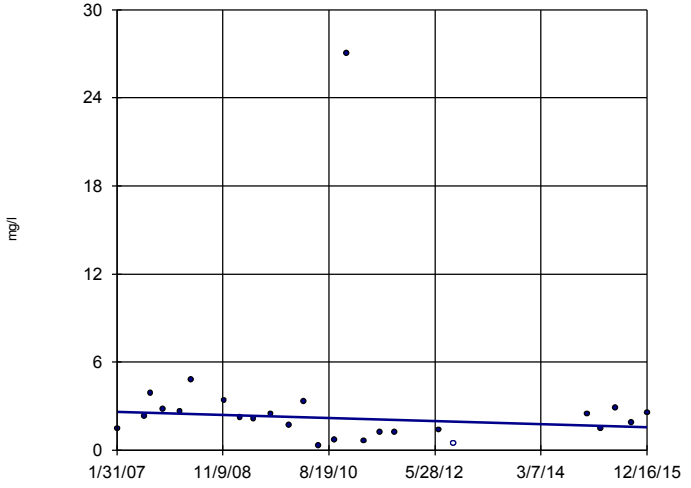
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGA



n = 25

Slope = -0.1176 units per year.

Mann-Kendall statistic = -55
critical = -101

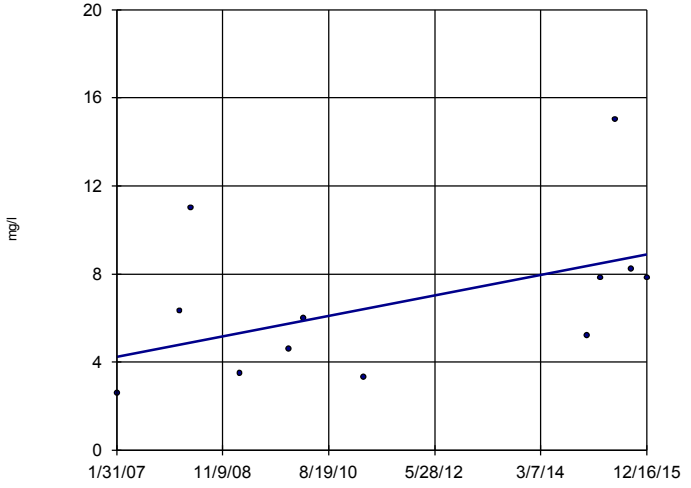
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

SPRINGB



n = 12

Slope = 0.5217 units per year.

Mann-Kendall statistic = 26
critical = 35

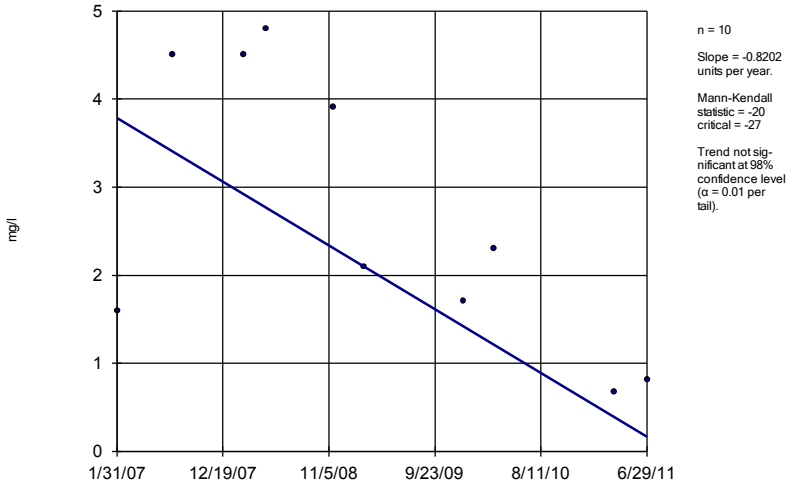
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

TSP-1



n = 10

Slope = -0.8202 units per year.

Mann-Kendall statistic = -20
critical = -27

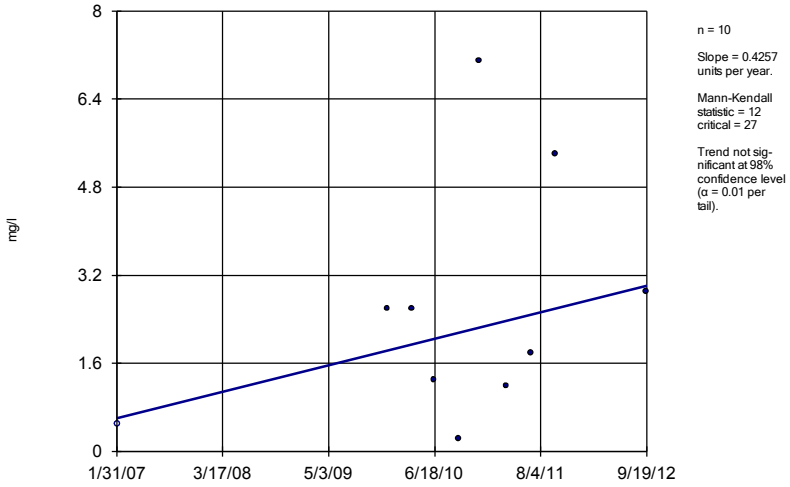
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-2



n = 10

Slope = 0.4257 units per year.

Mann-Kendall statistic = 12
critical = 27

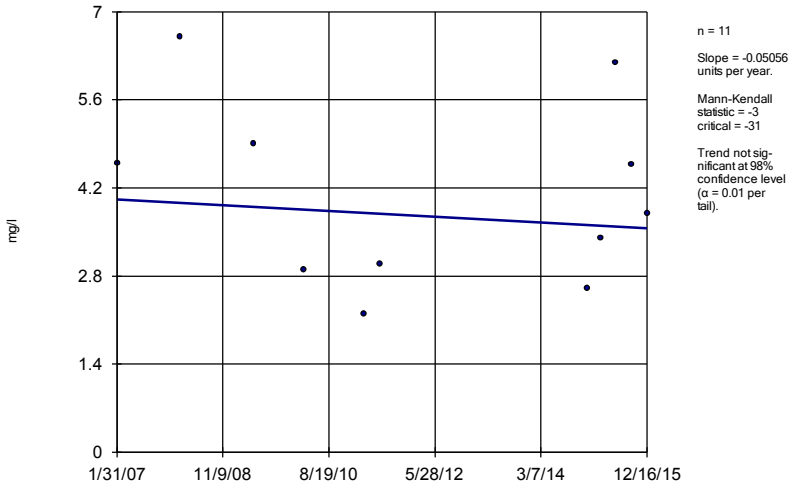
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

TSP-3



n = 11

Slope = -0.05056 units per year.

Mann-Kendall statistic = -3
critical = -31

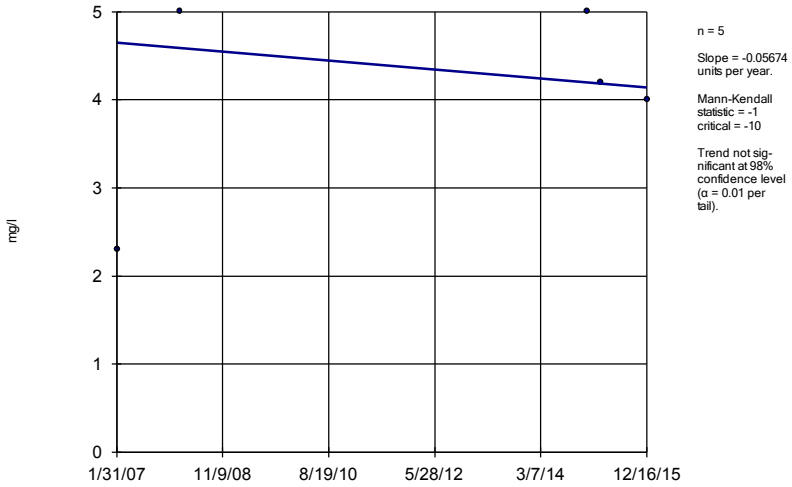
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

TSP-4



n = 5

Slope = -0.05674 units per year.

Mann-Kendall statistic = -1
critical = -10

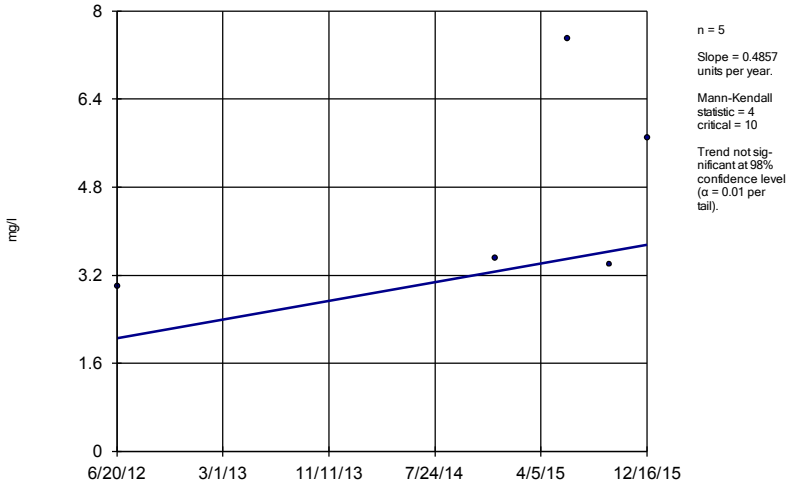
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

LFENTRANCESEEP



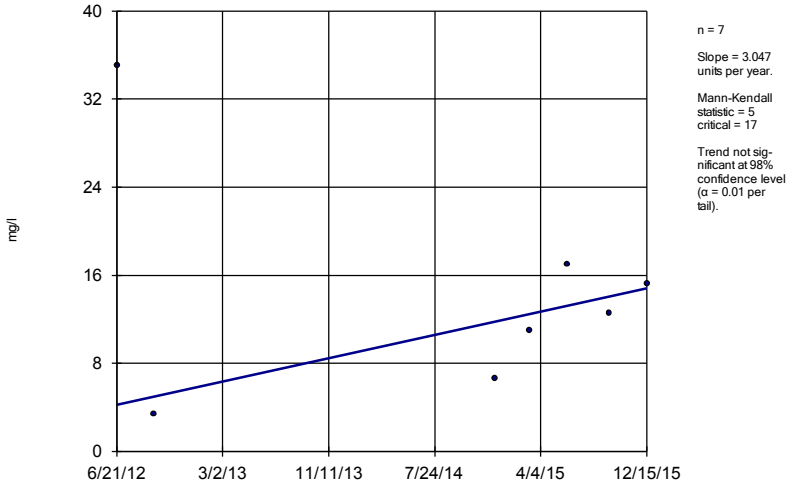
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Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

MW-1R



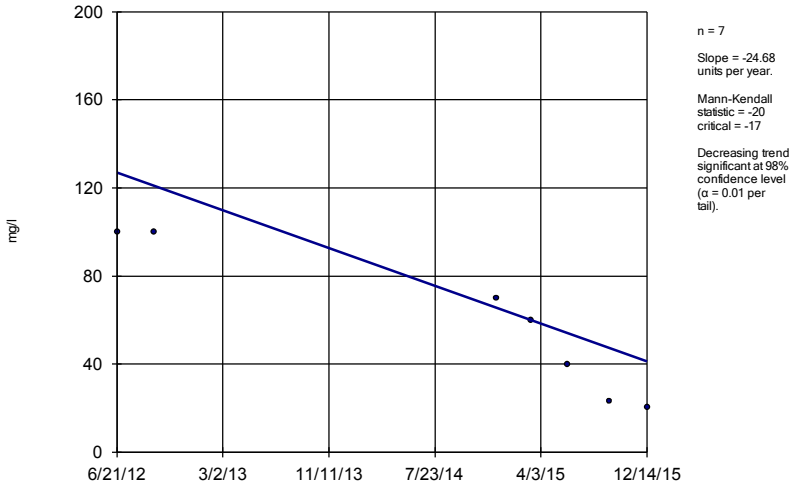
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NE-2



Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 2:06 PM

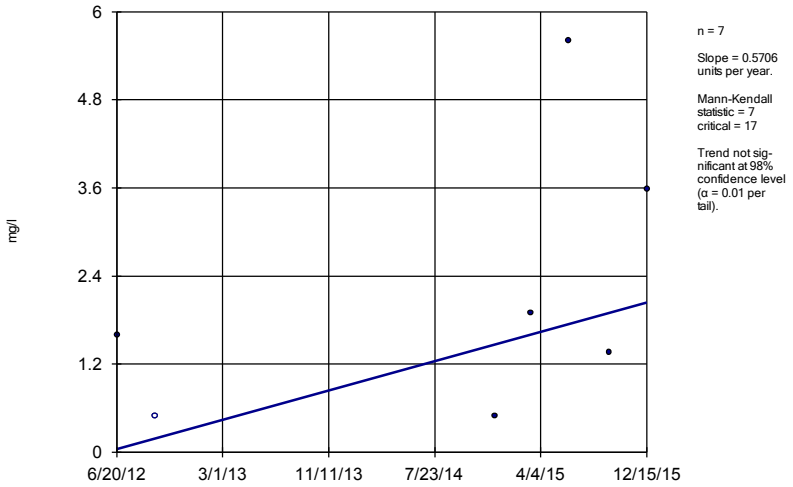
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-3



Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 2:06 PM

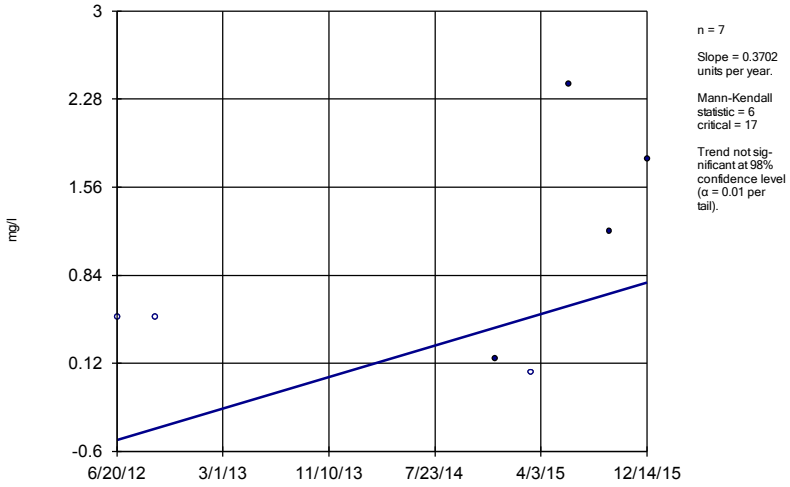
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-6



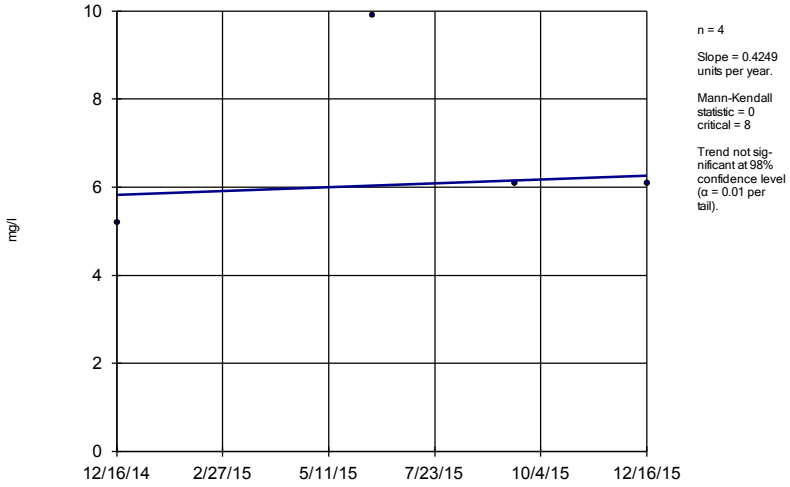
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

CLASSIDRAW



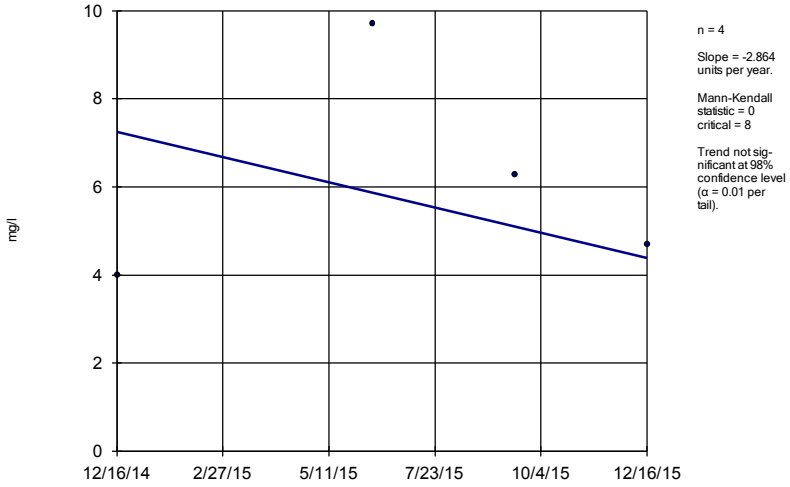
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

CLASSIVDRAW



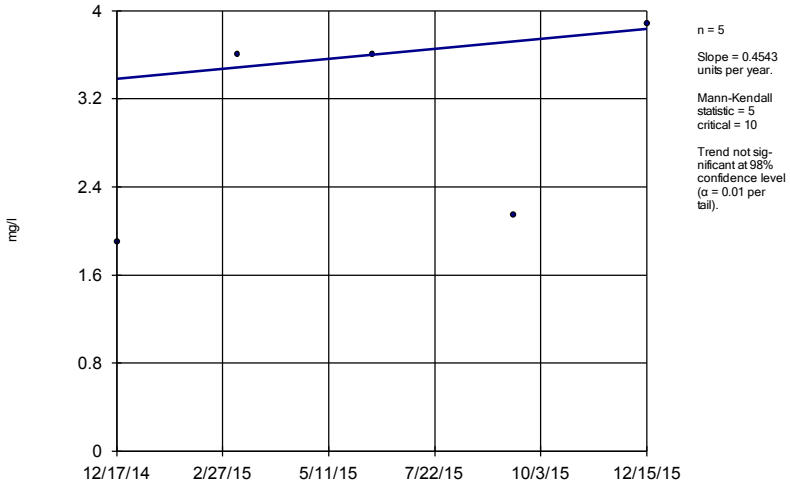
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

SP-NE-3



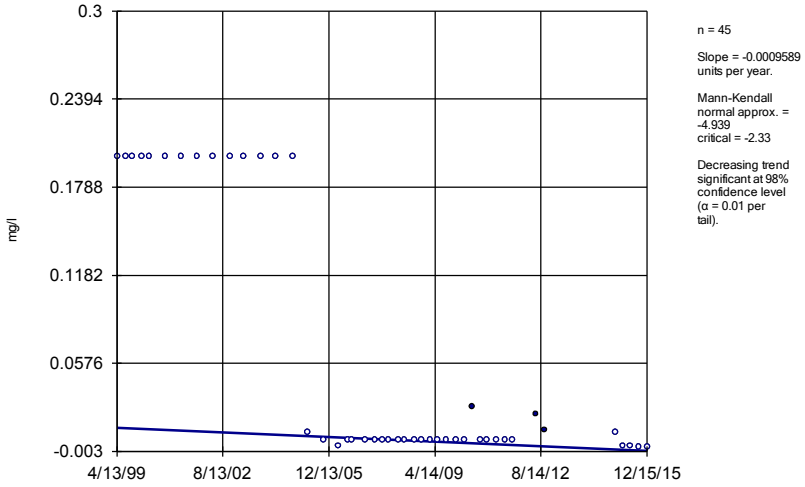
Constituent: TOC [Total Organic Carbon] Analysis Run 2/2/2016 2:06 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-4



n = 45

Slope = -0.0009589 units per year.

Mann-Kendall normal approx. = -4.939
critical = -2.33

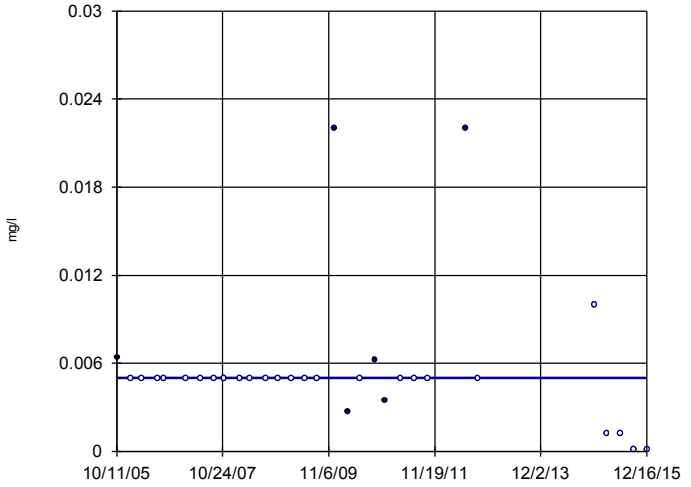
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vanadium Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-1



n = 31

Slope = 0 units per year.

Mann-Kendall statistic = -92
critical = -138

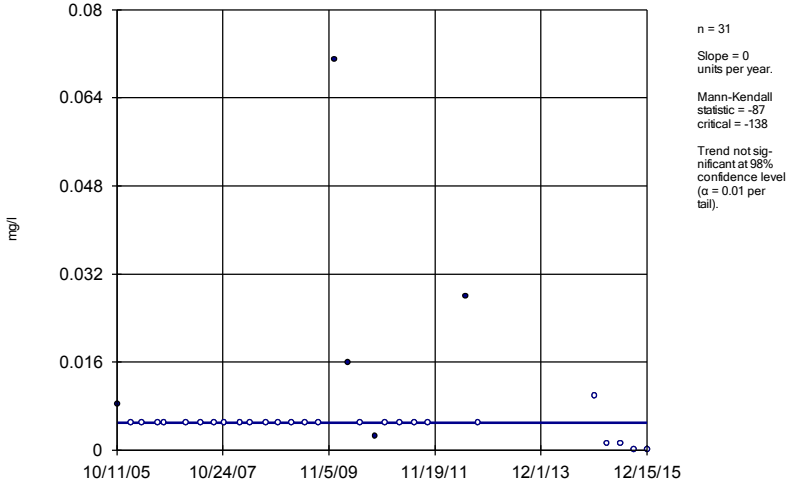
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vanadium Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-2



n = 31

Slope = 0 units per year.

Mann-Kendall statistic = -87
critical = -138

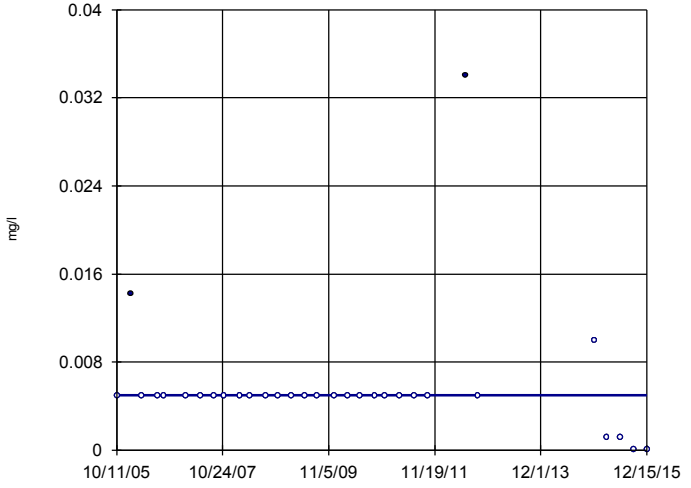
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vanadium Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-3



n = 31

Slope = 0 units per year.

Mann-Kendall statistic = -89
critical = -138

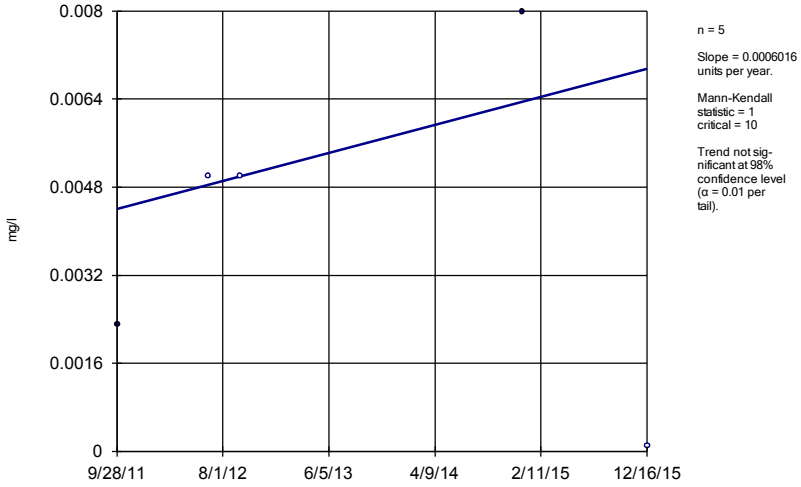
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vanadium Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

LEACHATE



n = 5

Slope = 0.0006016 units per year.

Mann-Kendall statistic = 1
critical = 10

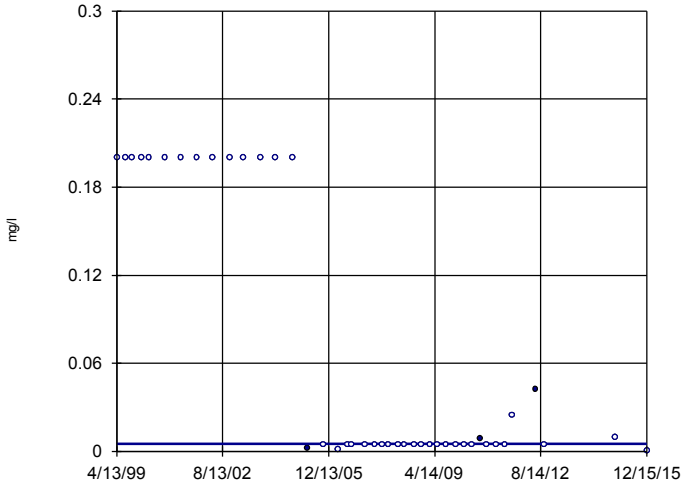
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vanadium Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1



n = 42

Slope = 0
units per year.

Mann-Kendall normal approx. = -3.529
critical = -2.33

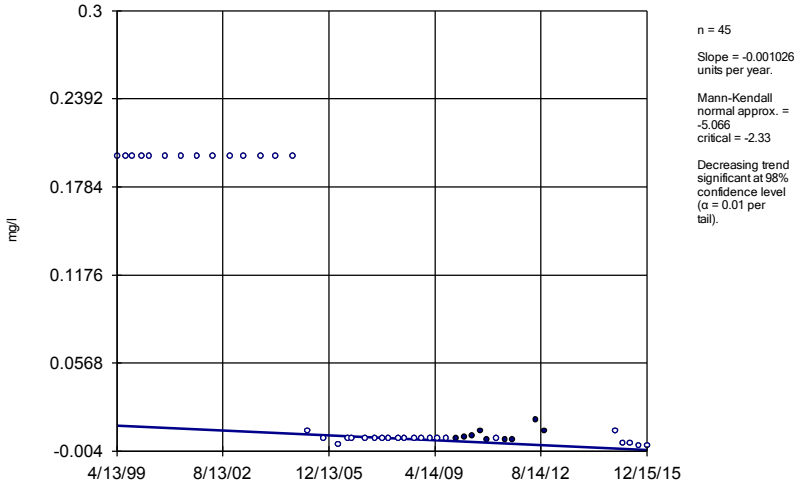
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vanadium Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-2



n = 45

Slope = -0.001026
units per year.

Mann-Kendall normal approx. = -5.066
critical = -2.33

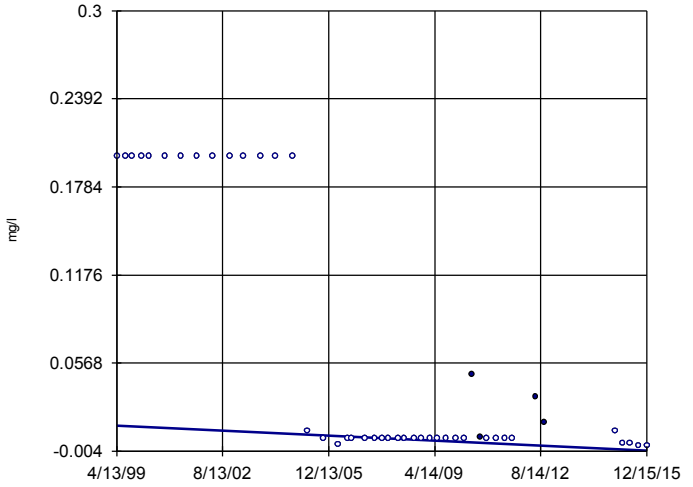
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vanadium Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-3



n = 45

Slope = -0.001032
units per year.

Mann-Kendall normal approx. = -4.774
critical = -2.33

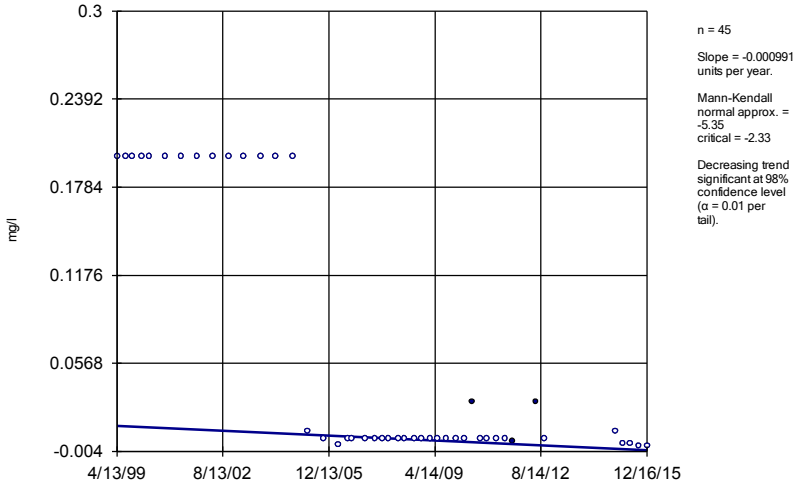
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vanadium Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-5

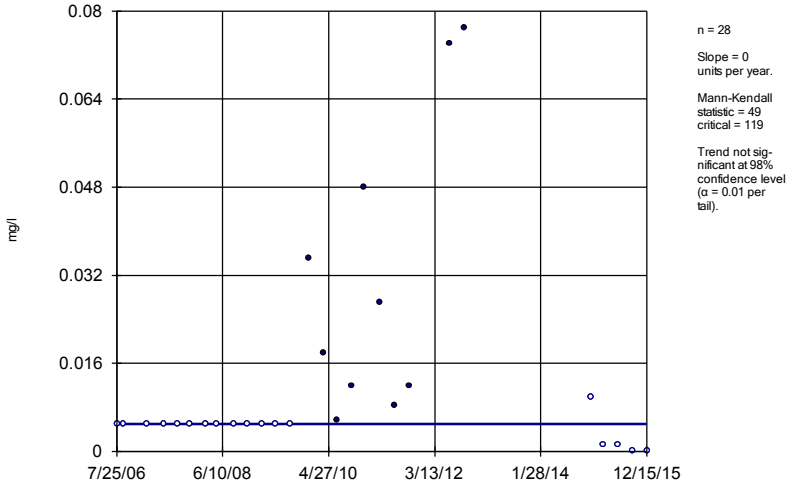


Constituent: Vanadium Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-509D

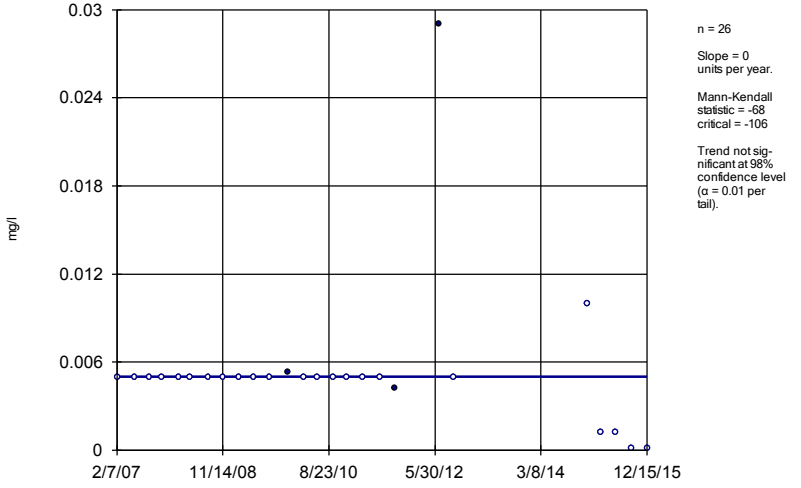


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-577

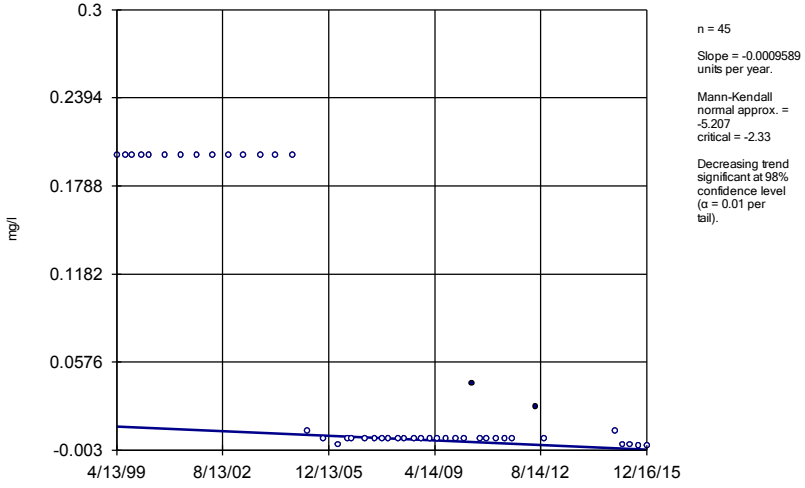


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-6

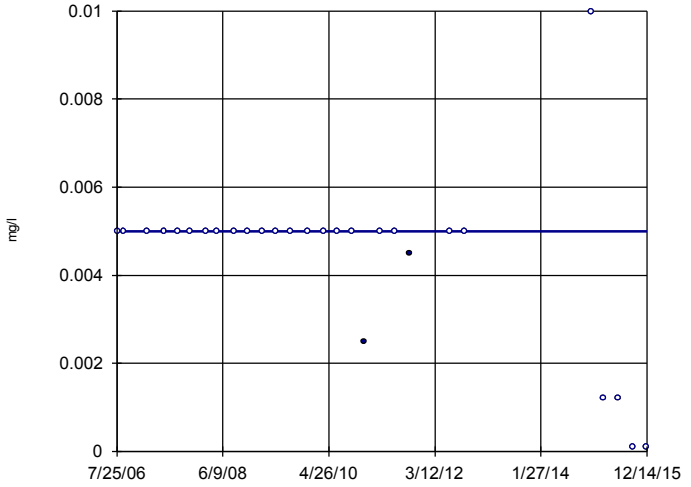


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-633D



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = -106
critical = -119

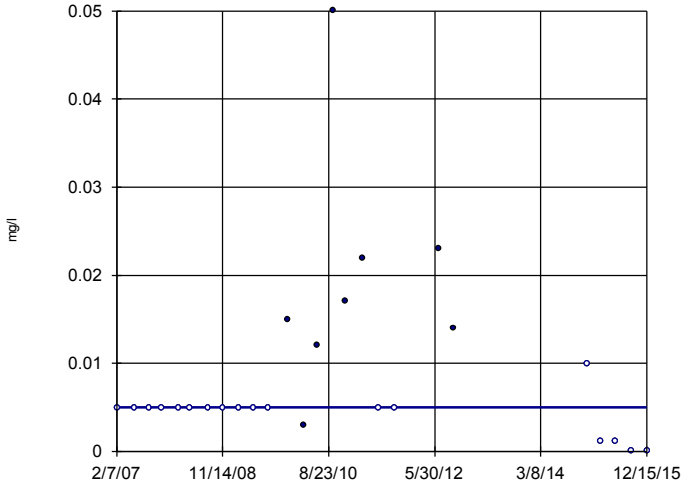
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vanadium Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-689D



n = 26

Slope = 0 units per year.

Mann-Kendall statistic = -15
critical = -106

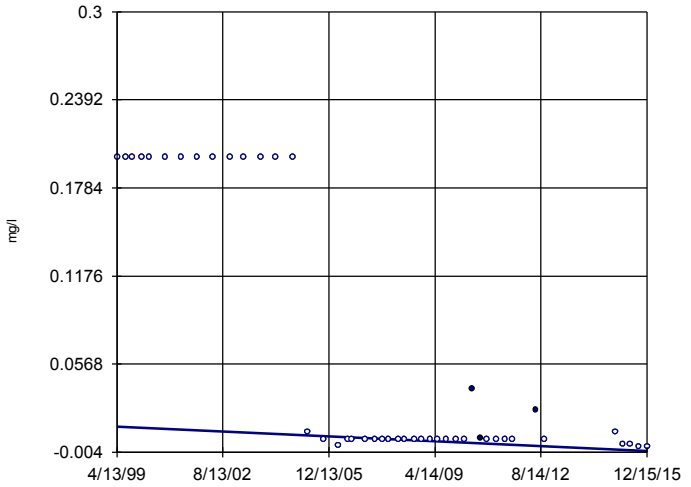
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vanadium Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-7



n = 45

Slope = -0.001019 units per year.

Mann-Kendall normal approx. = -5.045
critical = -2.33

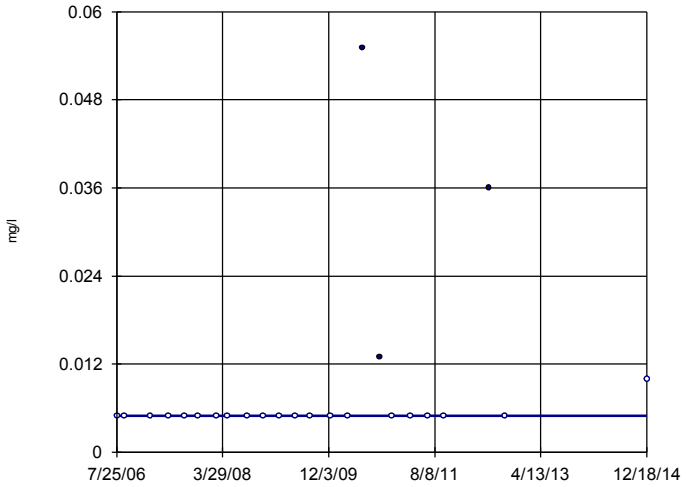
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vanadium Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-1



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 54
critical = 95

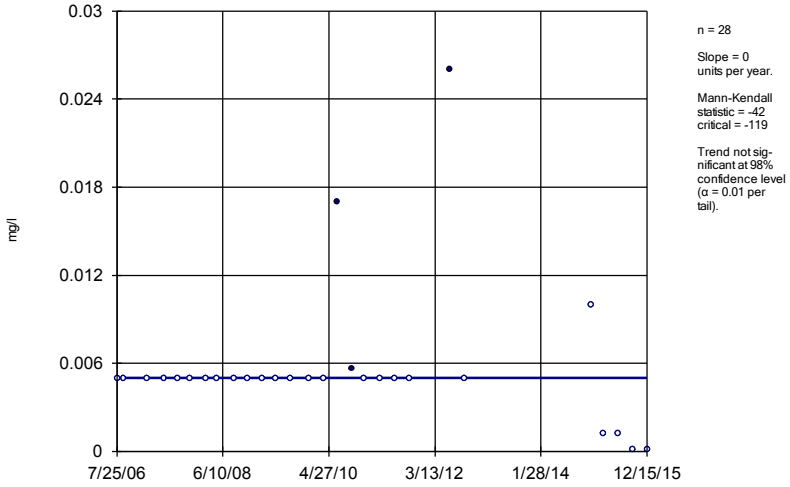
Trend not significant at 98% confidence level (α = 0.01 per tail).

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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-2



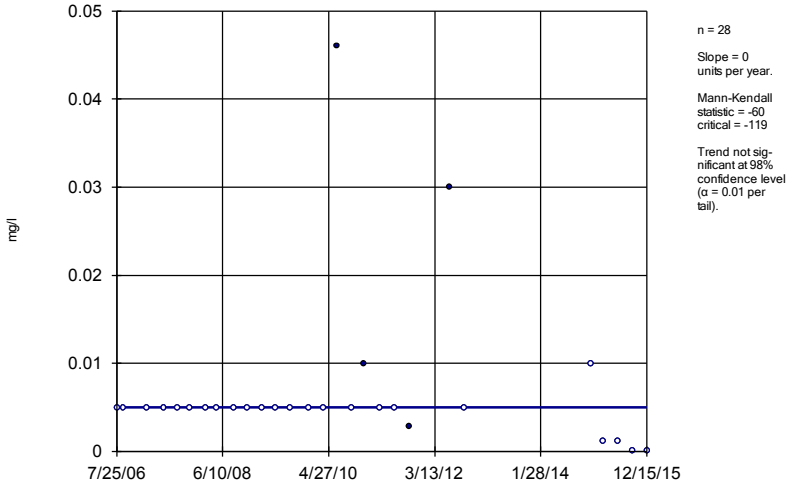
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-3



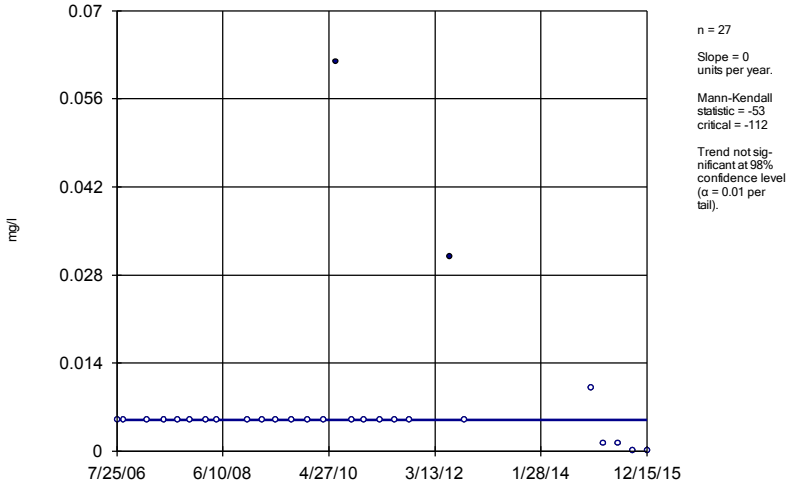
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-4



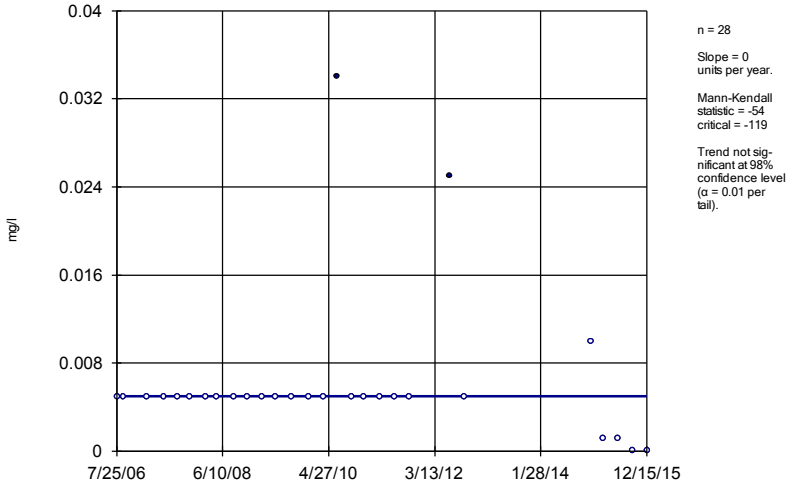
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-7



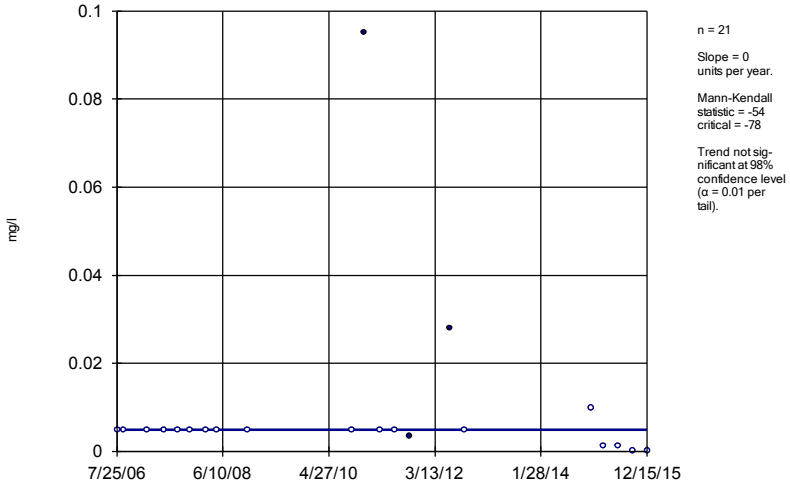
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-8



n = 21

Slope = 0 units per year.

Mann-Kendall statistic = -54
critical = -78

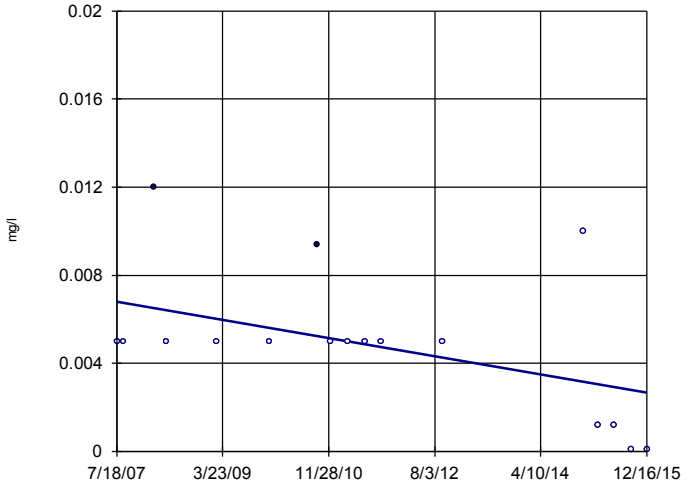
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vanadium Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-7



n = 17

Slope = -0.0004922 units per year.

Mann-Kendall statistic = -53
critical = -58

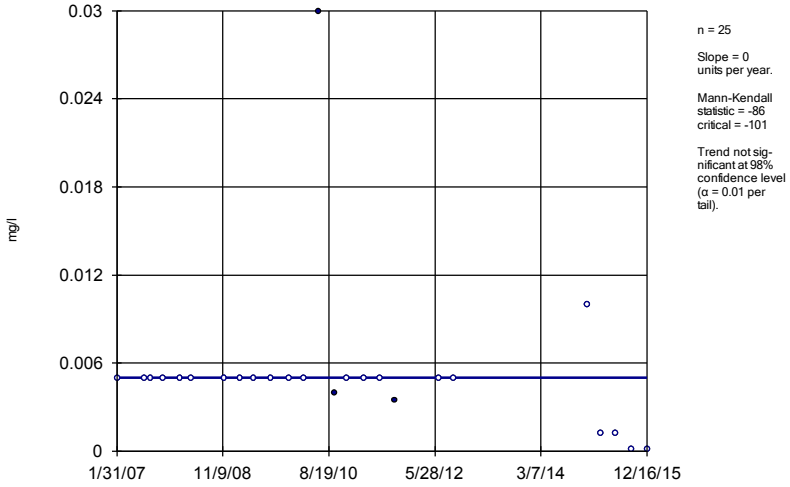
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vanadium Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGA



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -86
critical = -101

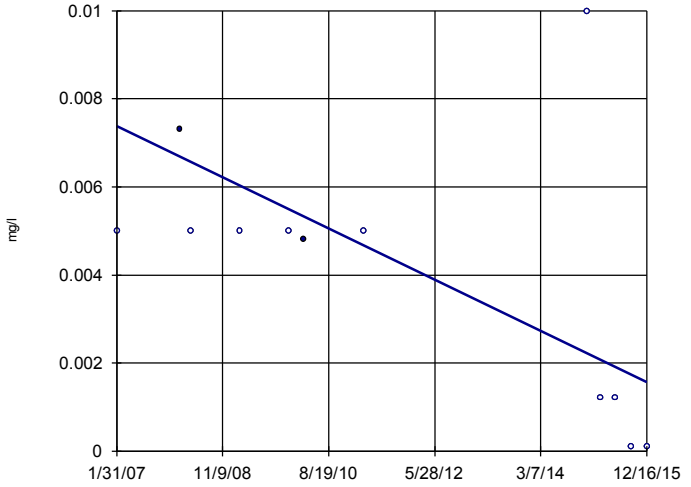
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vanadium Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGB



n = 12

Slope = -0.0006539 units per year.

Mann-Kendall statistic = -36
critical = -35

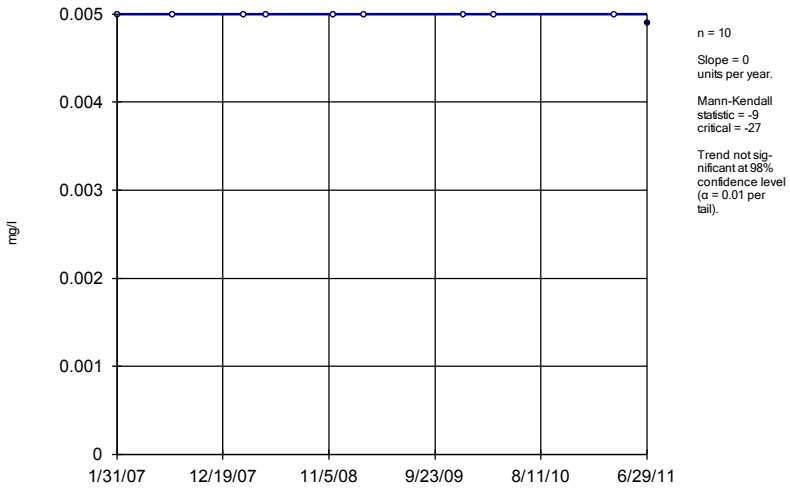
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vanadium Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-1

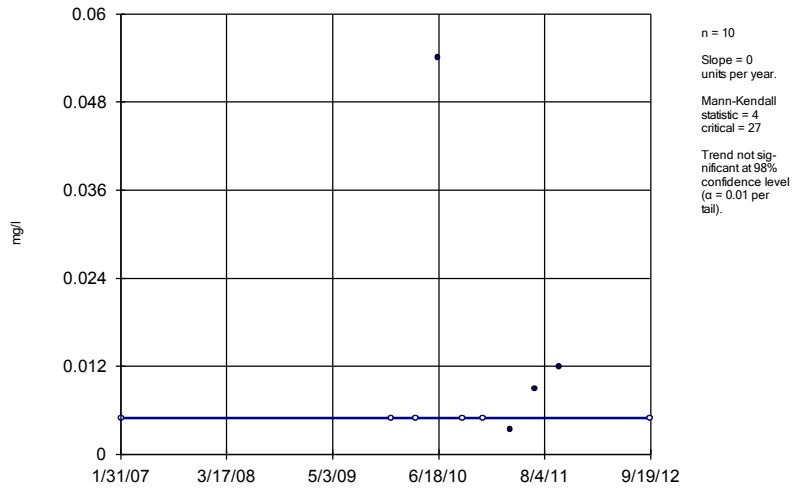


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-2

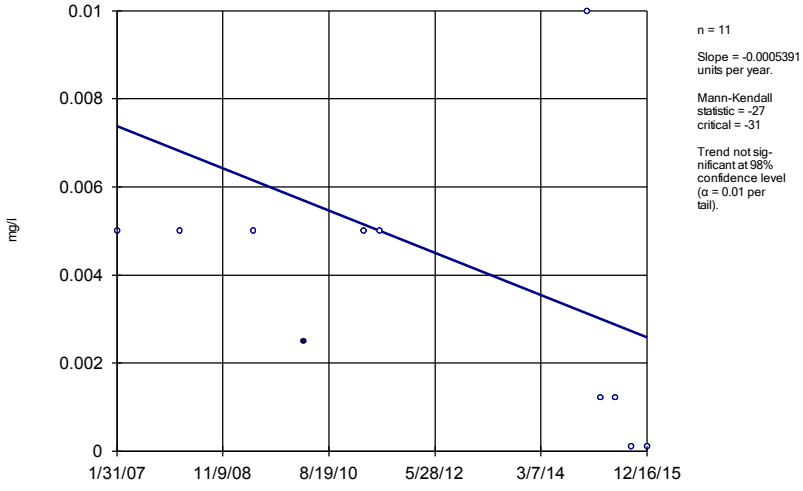


Constituent: Vanadium Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-3

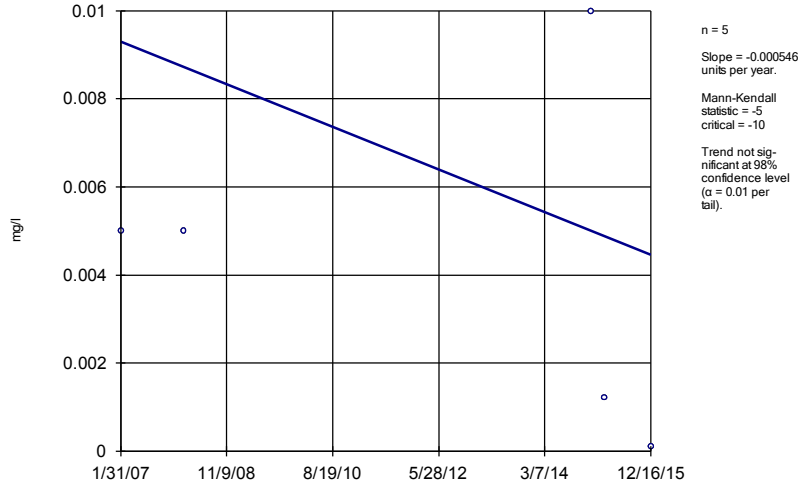


Constituent: Vanadium Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-4

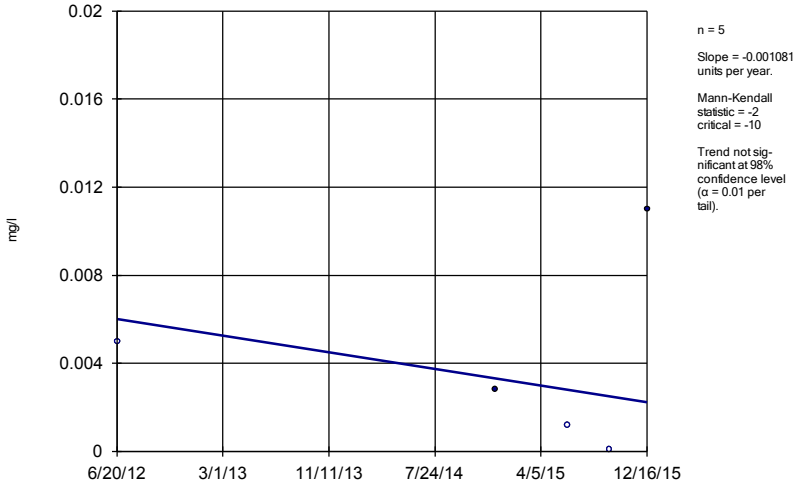


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

LFENTRANCESEEP



n = 5

Slope = -0.001081 units per year.

Mann-Kendall statistic = -2
critical = -10

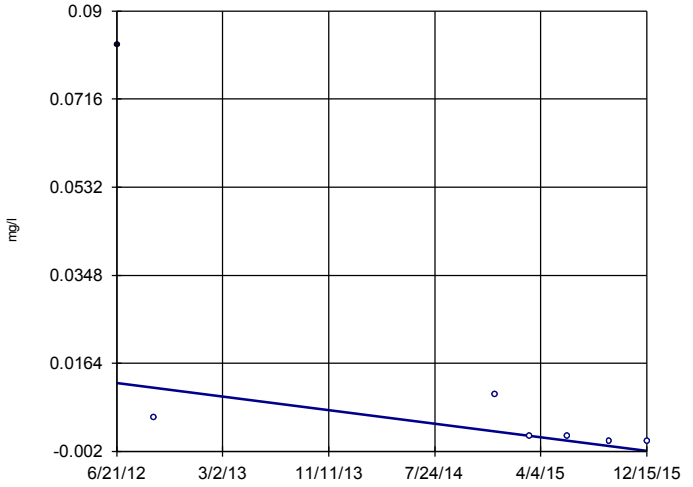
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vanadium Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1R



n = 7

Slope = -0.004092 units per year.

Mann-Kendall statistic = -17
critical = -17

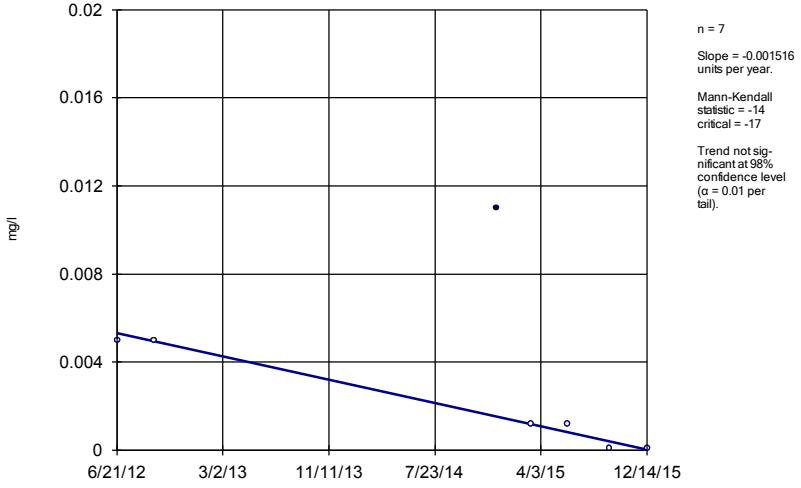
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vanadium Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-2



n = 7

Slope = -0.001516 units per year.

Mann-Kendall statistic = -14
critical = -17

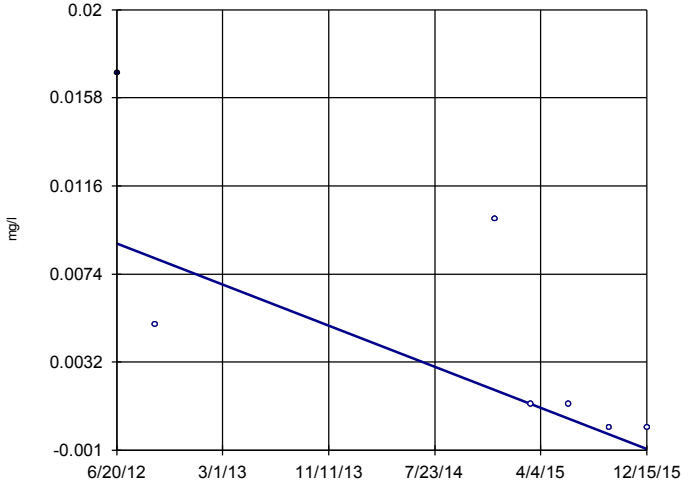
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vanadium Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-3



n = 7

Slope = -0.002808 units per year.

Mann-Kendall statistic = -17
critical = -17

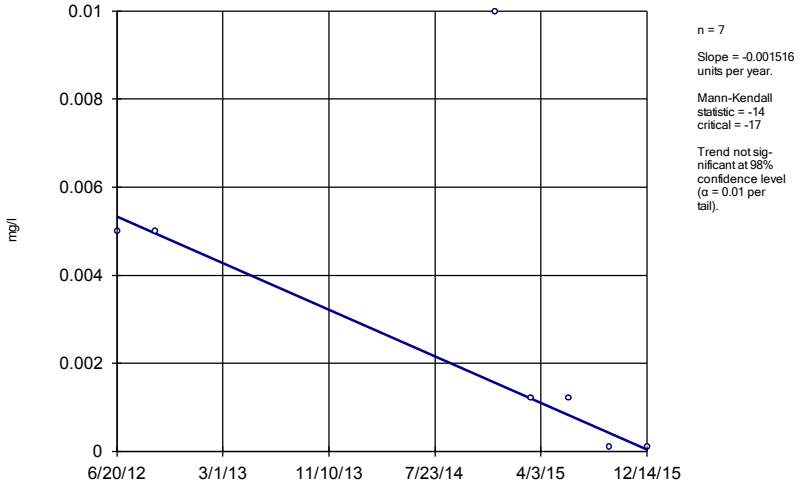
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vanadium Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-6



n = 7

Slope = -0.001516 units per year.

Mann-Kendall statistic = -14
critical = -17

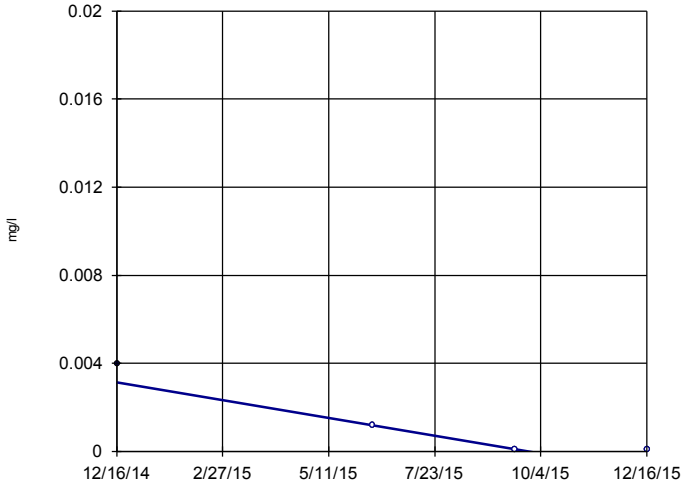
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vanadium Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIDRAW



n = 4

Slope = -0.004022 units per year.

Mann-Kendall statistic = -5
critical = -8

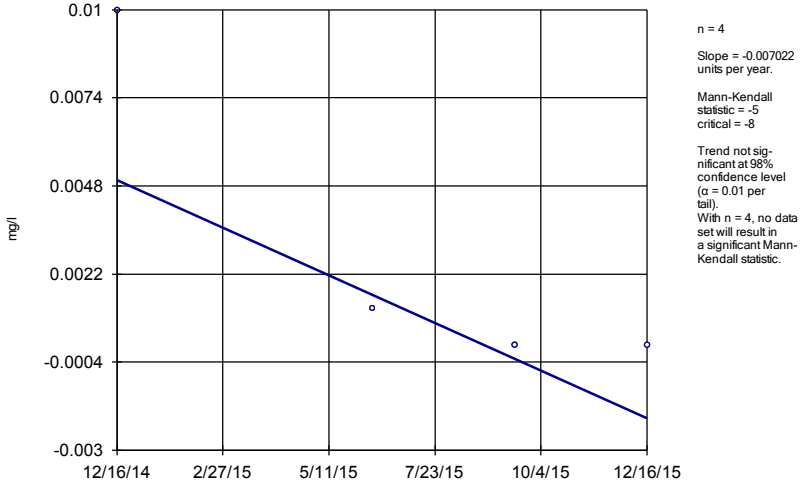
Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

Constituent: Vanadium Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIVDRAW



n = 4

Slope = -0.007022 units per year.

Mann-Kendall statistic = -5
critical = -8

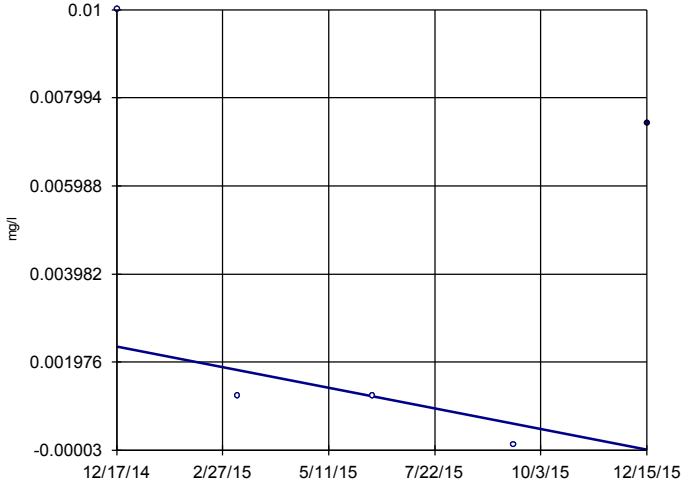
Trend not significant at 98% confidence level (α = 0.01 per tail).
With n = 4, no data set will result in a significant Mann-Kendall statistic.

Constituent: Vanadium Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-NE-3



n = 5

Slope = -0.002369 units per year.

Mann-Kendall statistic = -3
critical = -10

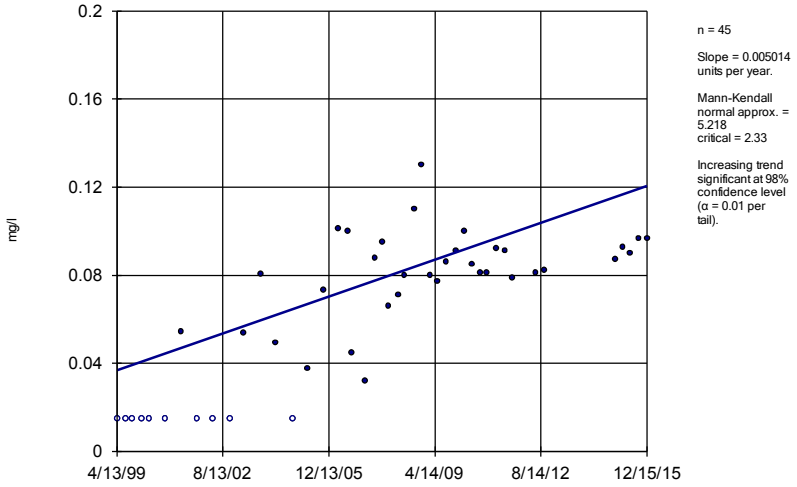
Trend not significant at 98% confidence level (α = 0.01 per tail).

Constituent: Vanadium Analysis Run 2/2/2016 2:06 PM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-4



n = 45

Slope = 0.005014 units per year.

Mann-Kendall normal approx. = 5.218
critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

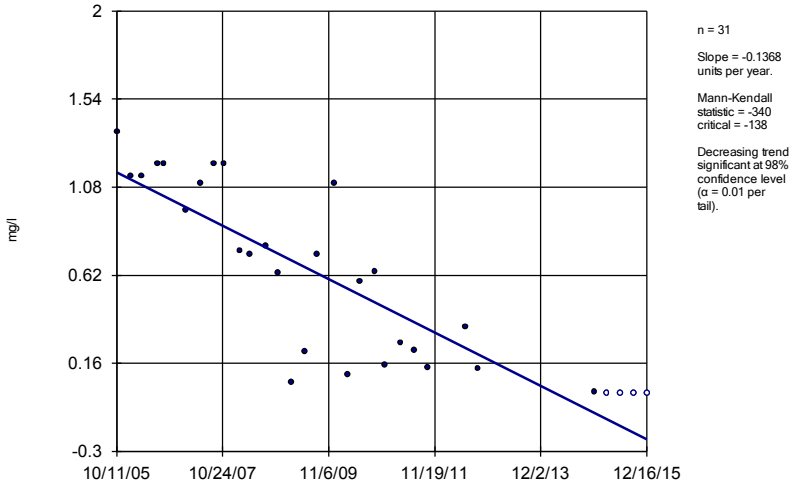
Constituent: Zinc Analysis Run 2/2/2016 2:06 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-1



n = 31

Slope = -0.1368 units per year.

Mann-Kendall statistic = -340
critical = -138

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

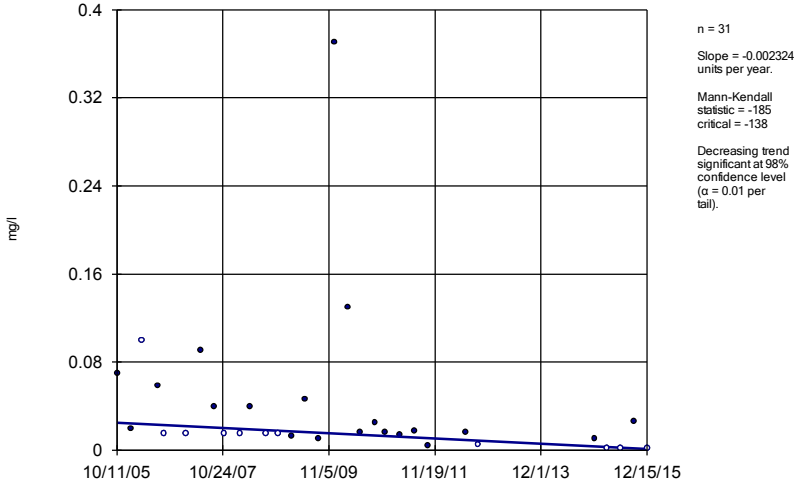
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-2



n = 31

Slope = -0.002324 units per year.

Mann-Kendall statistic = -185
critical = -138

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

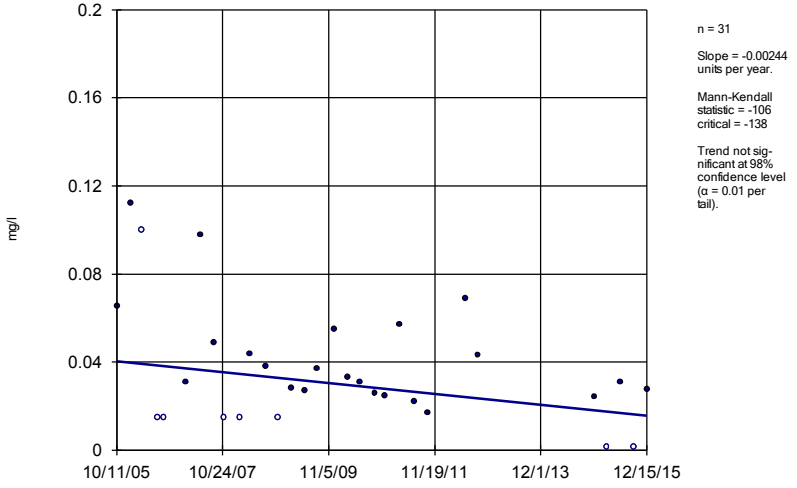
Constituent: Zinc Analysis Run 2/2/2016 2:06 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

CAO-3



n = 31

Slope = -0.00244 units per year.

Mann-Kendall statistic = -106
critical = -138

Trend not significant at 98% confidence level (α = 0.01 per tail).

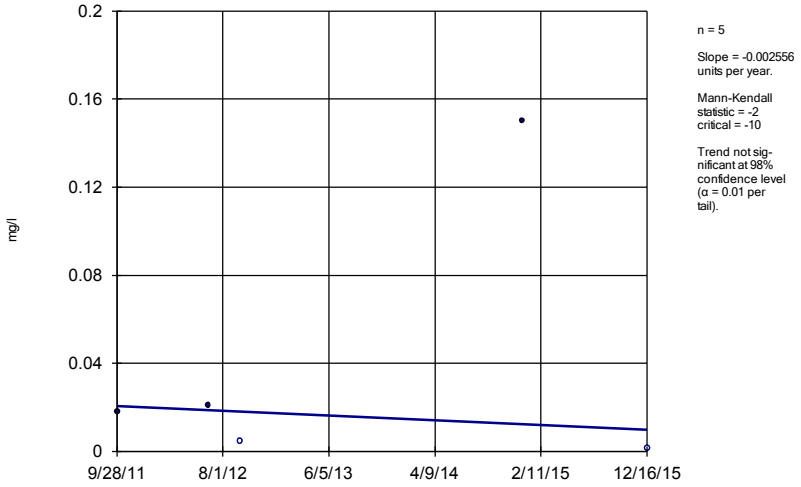
Constituent: Zinc Analysis Run 2/2/2016 2:06 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

LEACHATE



n = 5

Slope = -0.002556 units per year.

Mann-Kendall statistic = -2
critical = -10

Trend not significant at 98% confidence level (α = 0.01 per tail).

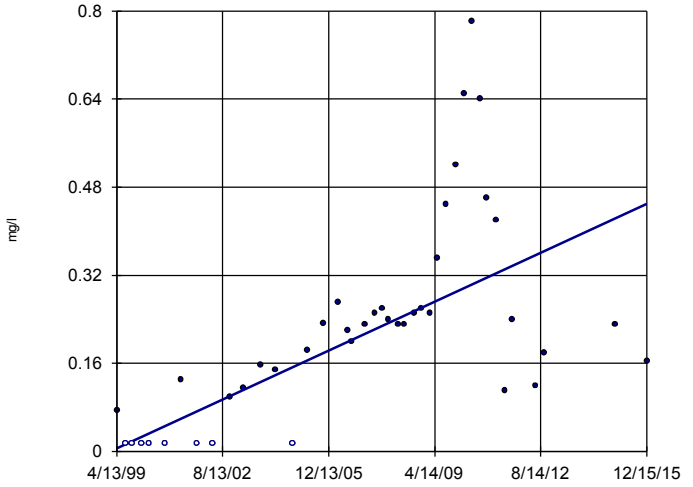
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-1



n = 42

Slope = 0.0266 units per year.

Mann-Kendall normal approx. = 4.824
critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

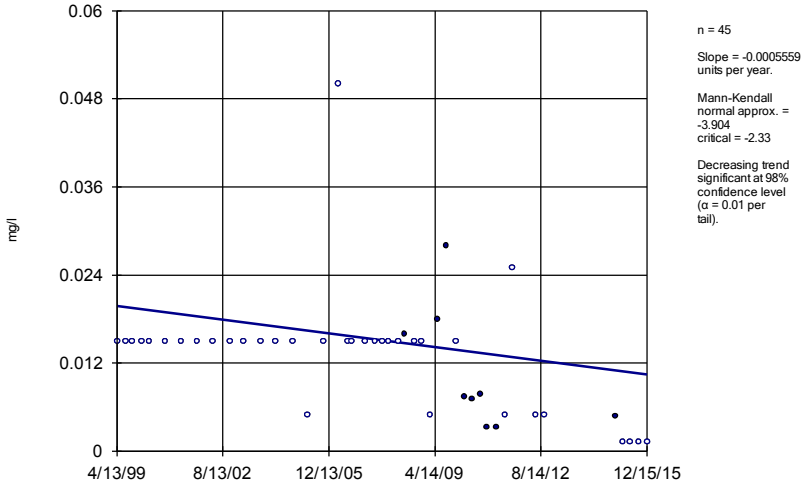
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-2



n = 45

Slope = -0.0005559 units per year.

Mann-Kendall normal approx. = -3.904
critical = -2.33

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

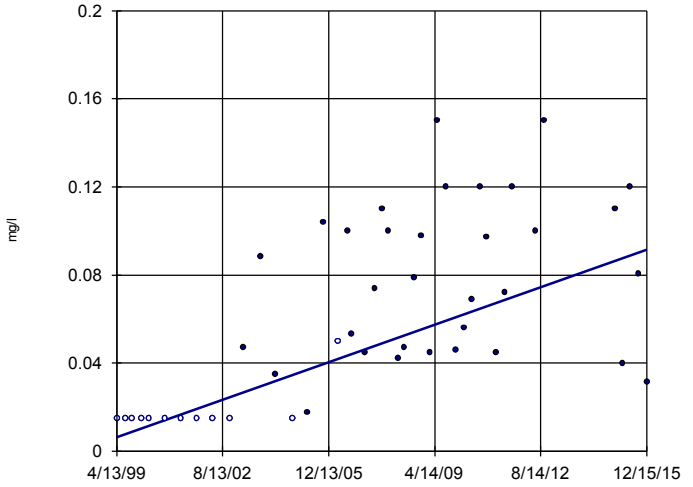
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-3



n = 45

Slope = 0.005102 units per year.

Mann-Kendall normal approx. = 4.57
critical = 2.33

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

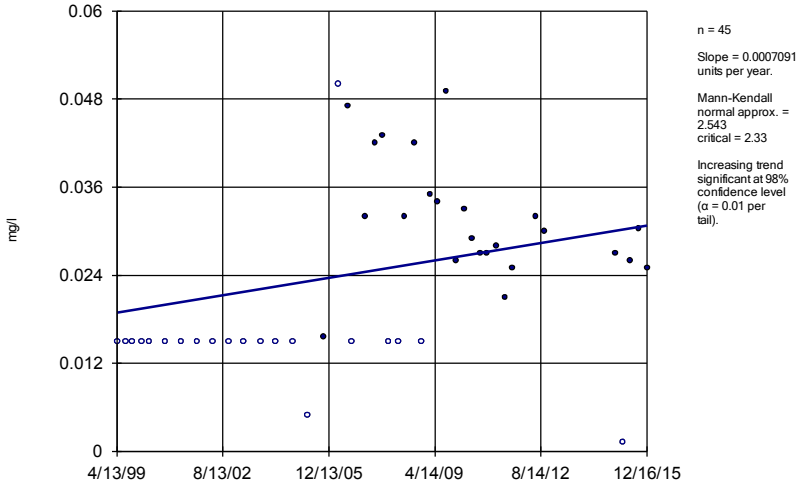
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-5



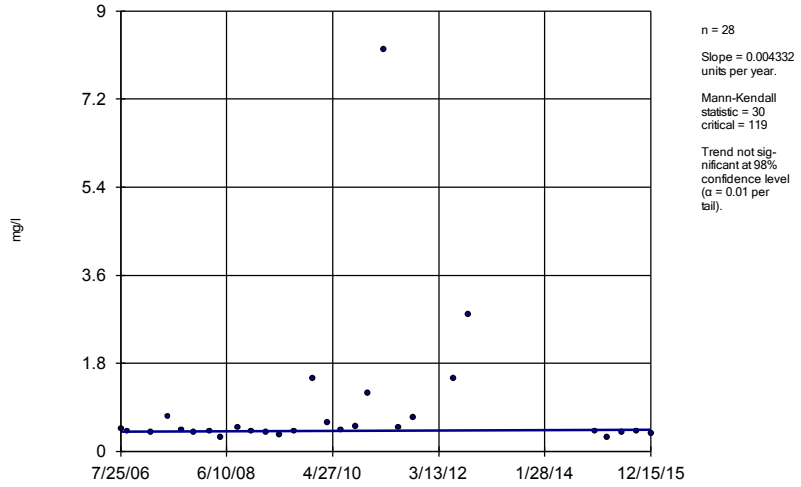
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Sen's Slope Estimator

MW-509D



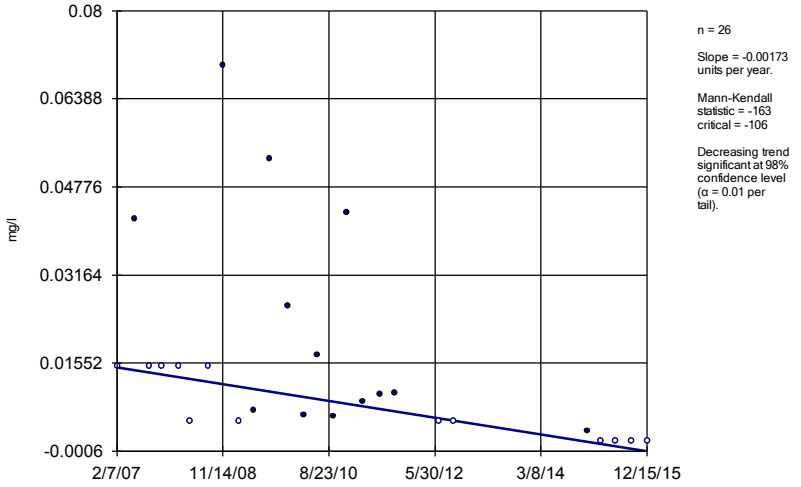
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-577



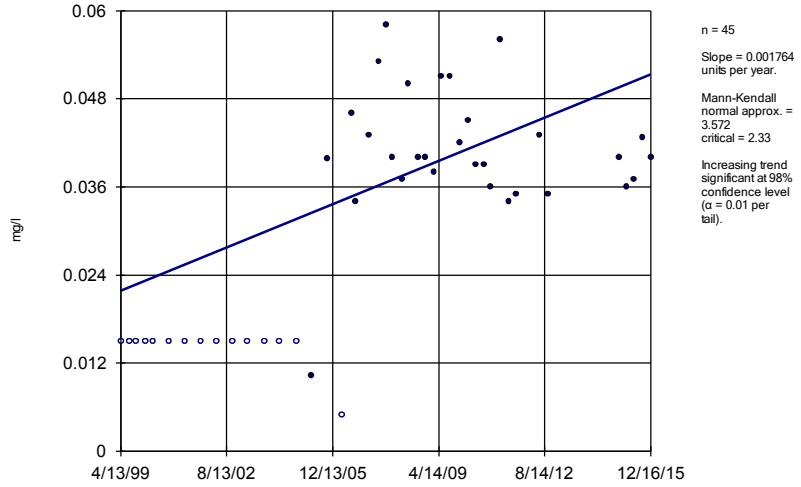
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-6



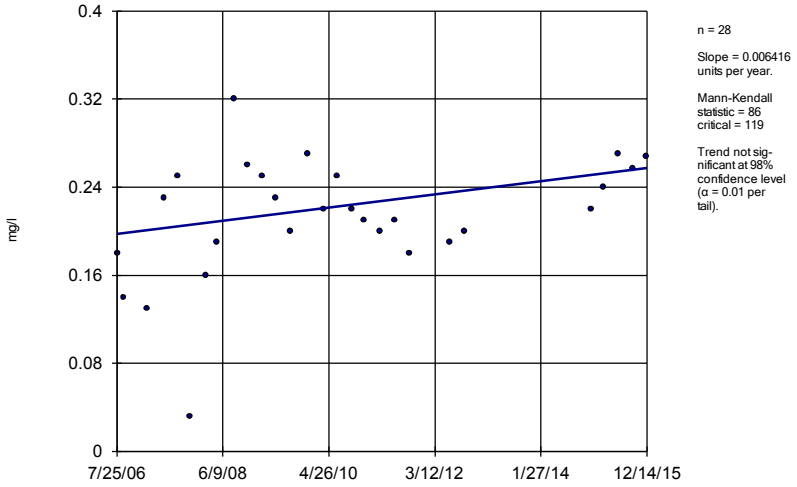
Constituent: Zinc Analysis Run 2/2/2016 2:06 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

MW-633D



n = 28

Slope = 0.006416 units per year.

Mann-Kendall statistic = 86
critical = 119

Trend not significant at 98% confidence level (α = 0.01 per tail).

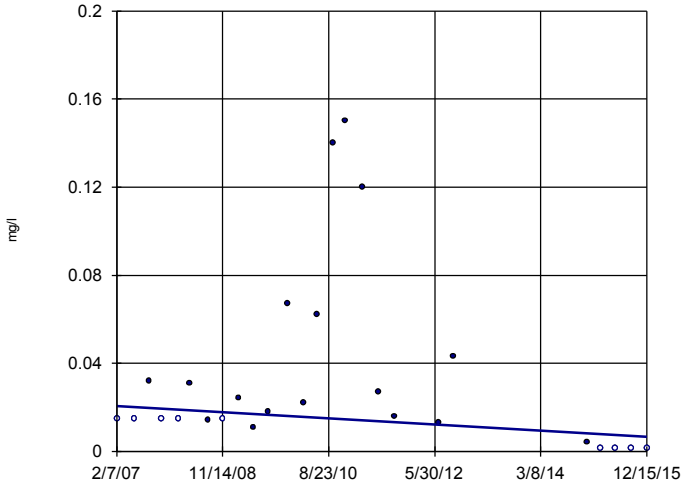
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-689D



n = 26

Slope = -0.001548 units per year.

Mann-Kendall statistic = -59
critical = -106

Trend not significant at 98% confidence level (α = 0.01 per tail).

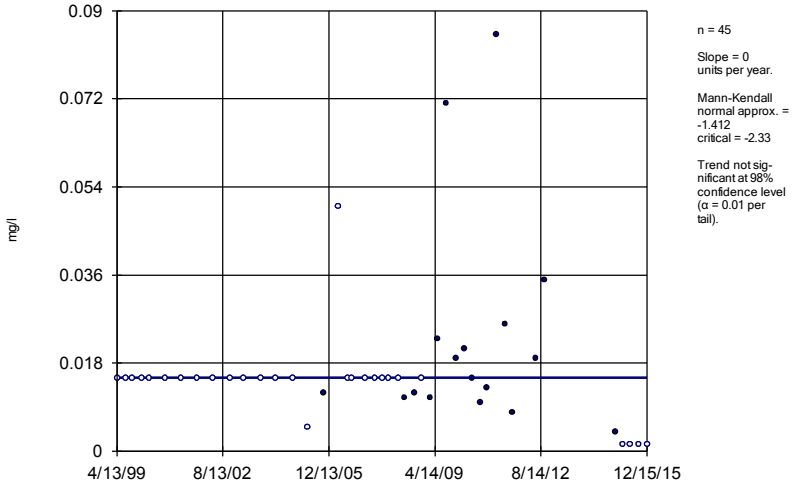
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-7



n = 45

Slope = 0 units per year.

Mann-Kendall normal approx. = -1.412
critical = -2.33

Trend not significant at 98% confidence level (α = 0.01 per tail).

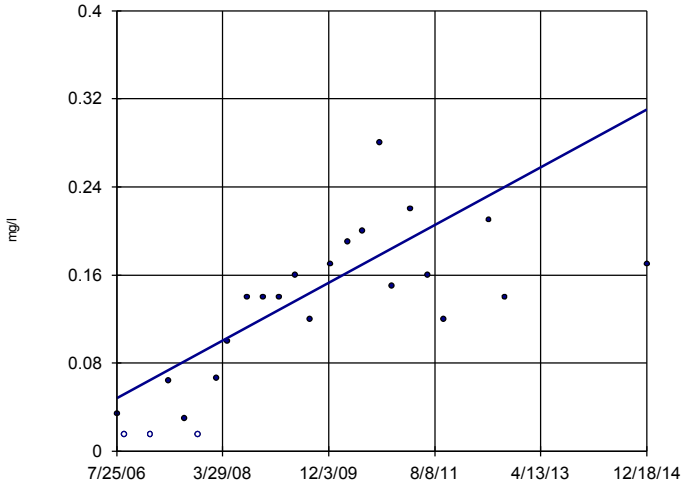
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-1



n = 24

Slope = 0.03116 units per year.

Mann-Kendall statistic = 166
critical = 95

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

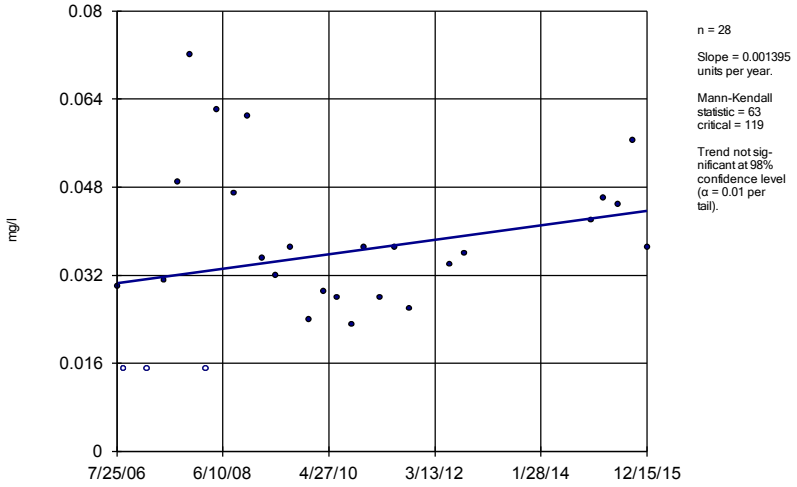
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-2



n = 28

Slope = 0.001395 units per year.

Mann-Kendall statistic = 63
critical = 119

Trend not significant at 98% confidence level (α = 0.01 per tail).

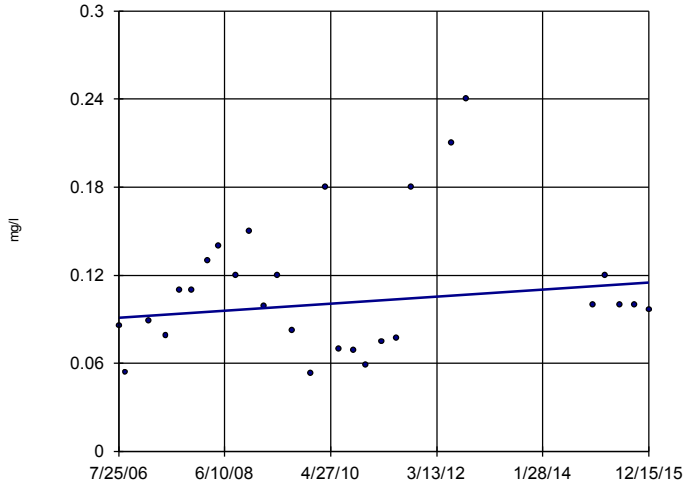
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-3



n = 28

Slope = 0.002567 units per year.

Mann-Kendall statistic = 44
critical = 119

Trend not significant at 98% confidence level (α = 0.01 per tail).

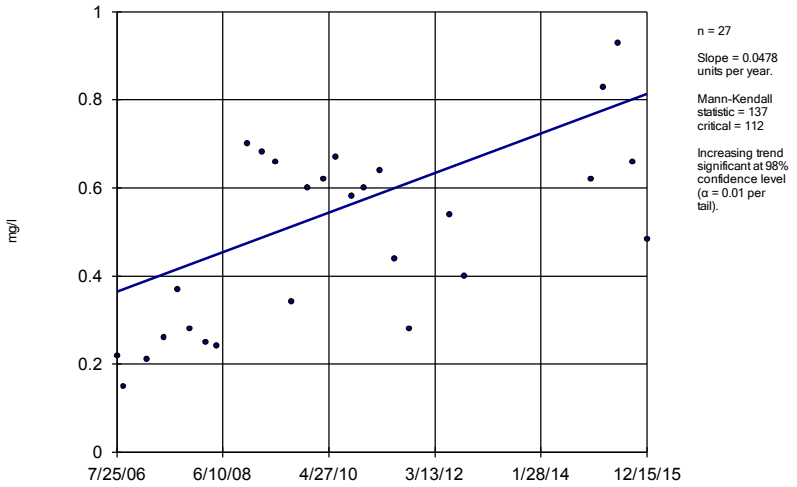
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NAB-4



n = 27

Slope = 0.0478 units per year.

Mann-Kendall statistic = 137
critical = 112

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

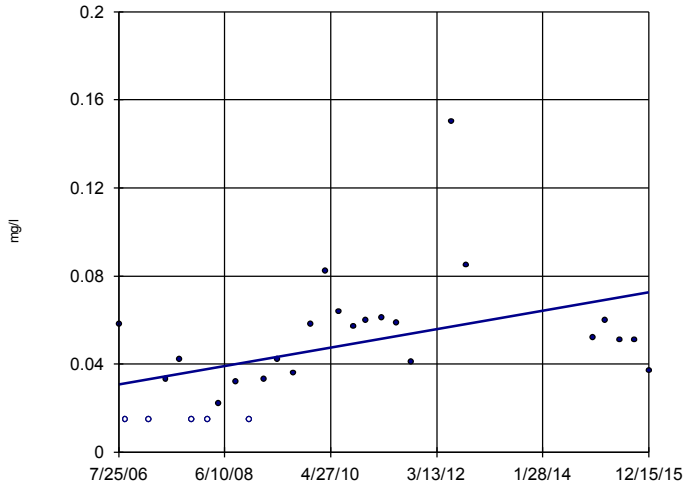
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-7



n = 28

Slope = 0.004464 units per year.

Mann-Kendall statistic = 149
critical = 119

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

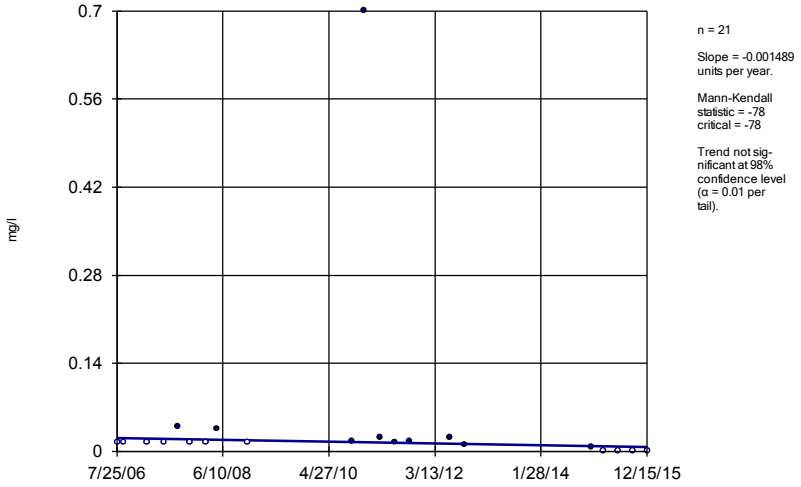
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

NAB-8



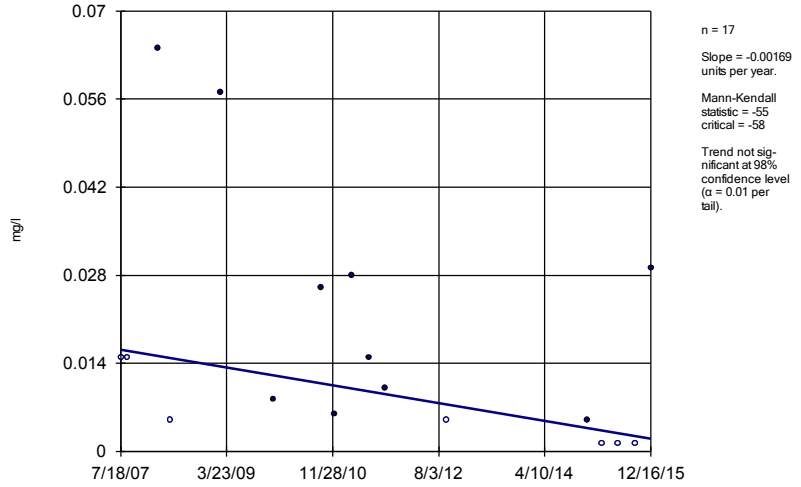
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-7



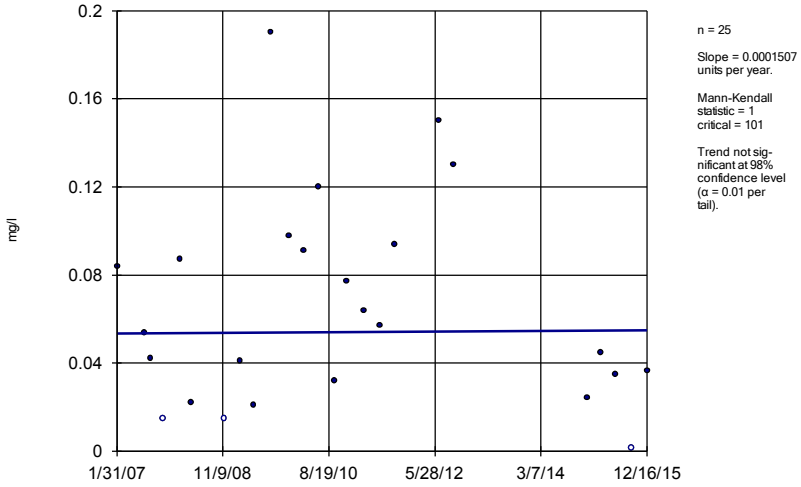
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGA



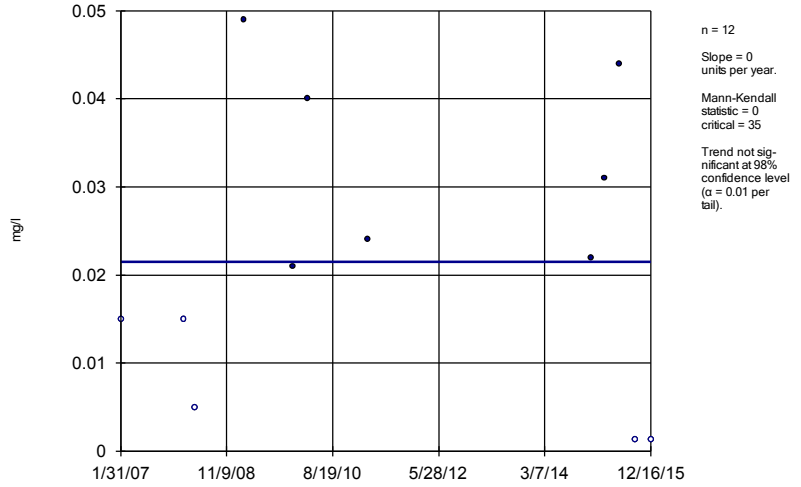
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

SPRINGB



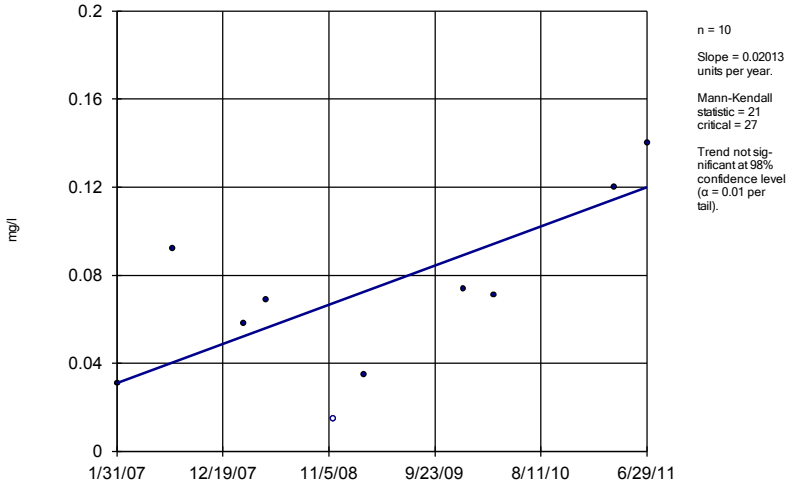
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-1

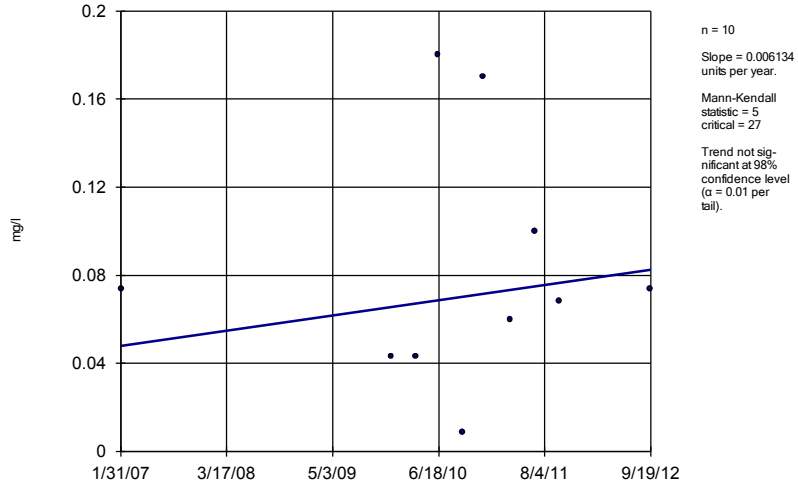


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

TSP-2

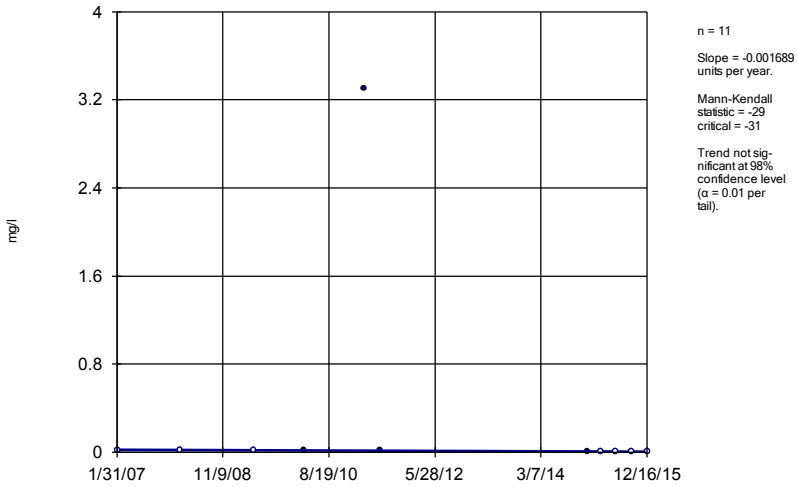


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-3

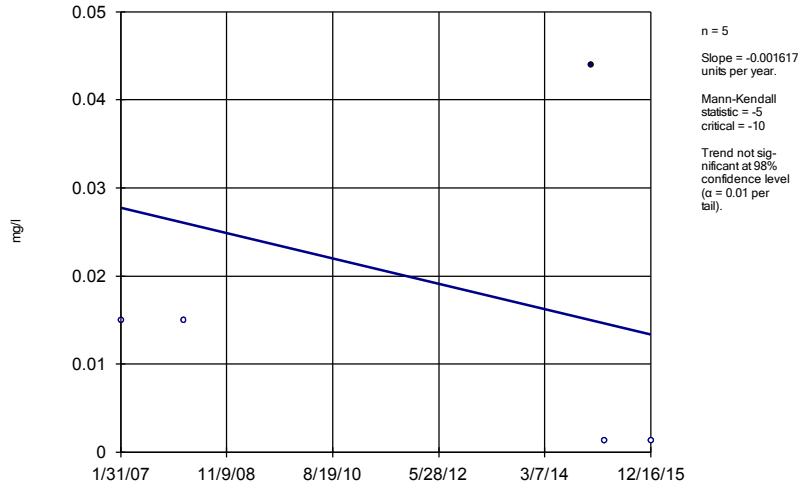


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

TSP-4

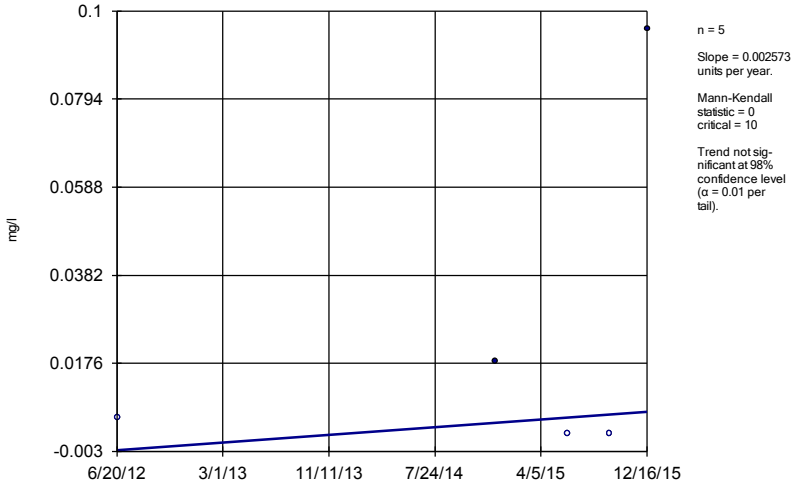


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Hollow symbols indicate censored values.

Sen's Slope Estimator

LFENTRANCESEEP



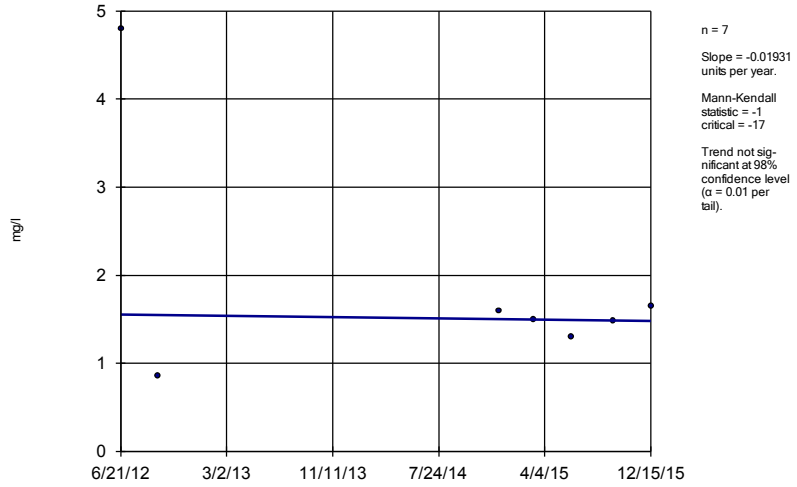
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Sen's Slope Estimator

MW-1R



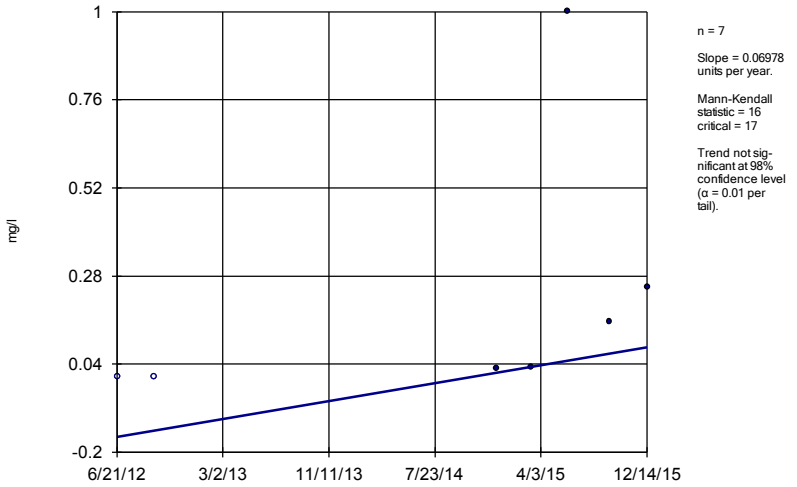
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Sen's Slope Estimator

NE-2



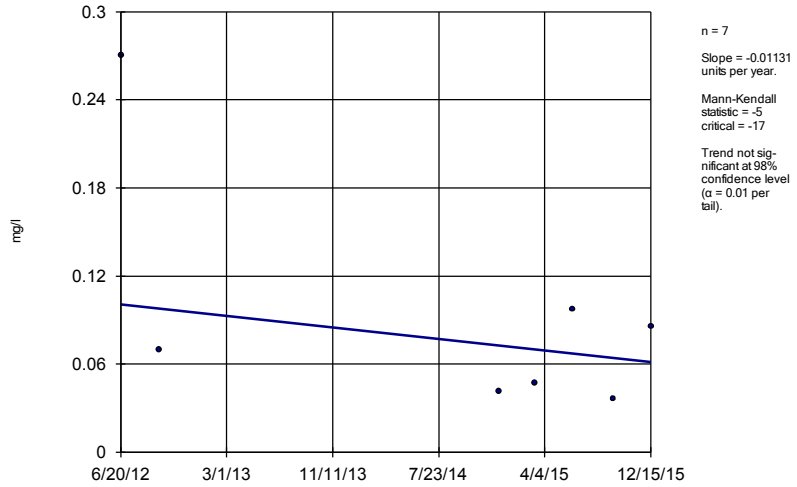
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Sen's Slope Estimator

NE-3



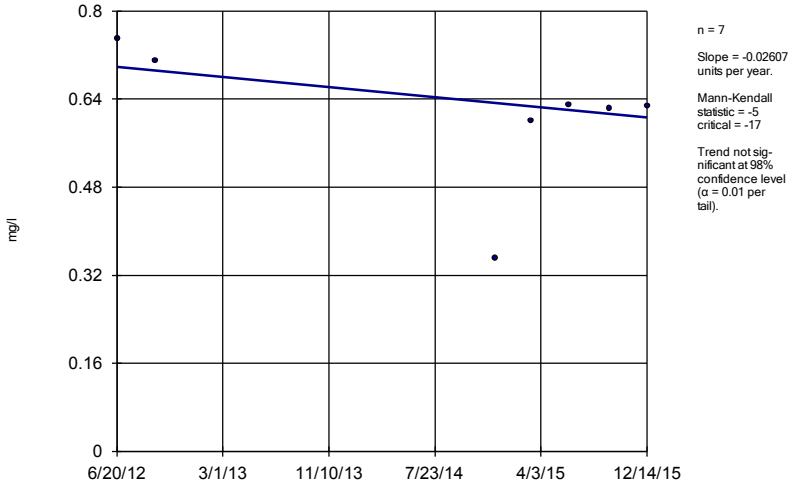
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Sen's Slope Estimator

NE-6



Constituent: Zinc Analysis Run 2/2/2016 2:07 PM

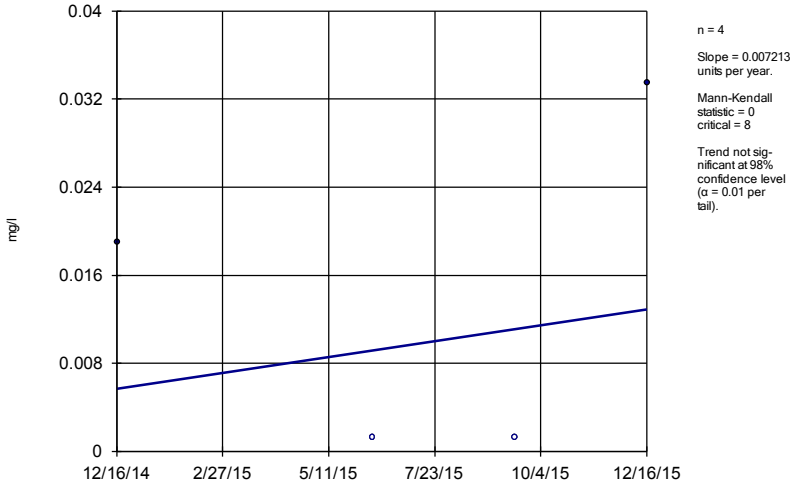
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIDRAW



Constituent: Zinc Analysis Run 2/2/2016 2:07 PM

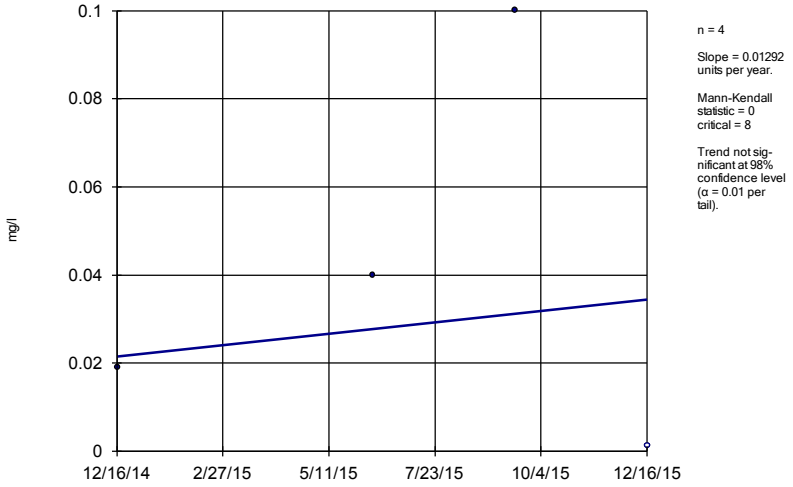
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

CLASSIVDRAW



Constituent: Zinc Analysis Run 2/2/2016 2:07 PM

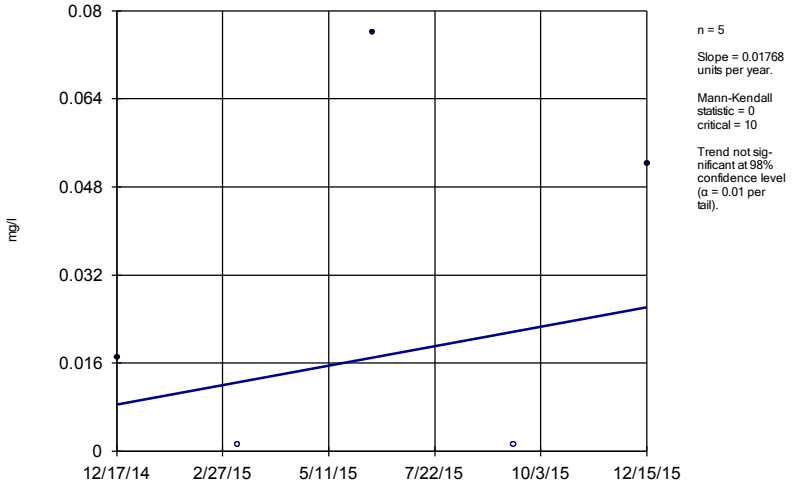
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.17 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

SP-NE-3



Constituent: Zinc Analysis Run 2/2/2016 2:07 PM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Trend Test

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat Printed 2/2/2016, 2:08 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Antimony (mg/l)	**MW-4**	**-0.00...**	**-6.595**	**-2.33**	**Yes**	**45**	**91.11**	**n/a**	**n/a**	**0.02**	**NP**
Antimony (mg/l)	**CAO-1**	**0**	**-147**	**-125**	**Yes**	**29**	**93.1**	**n/a**	**n/a**	**0.02**	**NP**
Antimony (mg/l)	**CAO-2**	**0**	**-153**	**-125**	**Yes**	**29**	**93.1**	**n/a**	**n/a**	**0.02**	**NP**
Antimony (mg/l)	**CAO-3**	**0**	**-172**	**-132**	**Yes**	**30**	**90**	**n/a**	**n/a**	**0.02**	**NP**
Antimony (mg/l)	LEACHATE	-0.00...	-3	-10	No	5	60	n/a	n/a	0.02	NP
Antimony (mg/l)	**MW-1**	**-0.00...**	**-5.157**	**-2.33**	**Yes**	**42**	**85.71**	**n/a**	**n/a**	**0.02**	**NP**
Antimony (mg/l)	**MW-2**	**-0.00...**	**-5.501**	**-2.33**	**Yes**	**45**	**91.11**	**n/a**	**n/a**	**0.02**	**NP**
Antimony (mg/l)	**MW-3**	**-0.00...**	**-6.321**	**-2.33**	**Yes**	**45**	**97.78**	**n/a**	**n/a**	**0.02**	**NP**
Antimony (mg/l)	**MW-5**	**-0.00...**	**-6.347**	**-2.33**	**Yes**	**45**	**91.11**	**n/a**	**n/a**	**0.02**	**NP**
Antimony (mg/l)	MW-509D	0	-84	-119	No	28	89.29	n/a	n/a	0.02	NP
Antimony (mg/l)	MW-577	0	-80	-106	No	26	80.77	n/a	n/a	0.02	NP
Antimony (mg/l)	**MW-6**	**-0.00...**	**-6.077**	**-2.33**	**Yes**	**45**	**93.33**	**n/a**	**n/a**	**0.02**	**NP**
Antimony (mg/l)	MW-633D	0	-58	-119	No	28	85.71	n/a	n/a	0.02	NP
Antimony (mg/l)	MW-689D	0	-84	-106	No	26	84.62	n/a	n/a	0.02	NP
Antimony (mg/l)	**MW-7**	**-0.00...**	**-6.257**	**-2.33**	**Yes**	**45**	**97.78**	**n/a**	**n/a**	**0.02**	**NP**
Antimony (mg/l)	NAB-1	0	-28	-95	No	24	62.5	n/a	n/a	0.02	NP
Antimony (mg/l)	NAB-2	0	-57	-119	No	28	85.71	n/a	n/a	0.02	NP
Antimony (mg/l)	NAB-3	0	-68	-119	No	28	92.86	n/a	n/a	0.02	NP
Antimony (mg/l)	**NAB-4**	**-0.00...**	**-128**	**-112**	**Yes**	**27**	**59.26**	**n/a**	**n/a**	**0.02**	**NP**
Antimony (mg/l)	NAB-7	0	-85	-119	No	28	78.57	n/a	n/a	0.02	NP
Antimony (mg/l)	NAB-8	0	-51	-78	No	21	90.48	n/a	n/a	0.02	NP
Antimony (mg/l)	SP-7	0	-22	-58	No	17	76.47	n/a	n/a	0.02	NP
Antimony (mg/l)	SPRINGA	0	-40	-101	No	25	84	n/a	n/a	0.02	NP
Antimony (mg/l)	SPRINGB	0	-10	-35	No	12	83.33	n/a	n/a	0.02	NP
Antimony (mg/l)	TSP-1	0	-3	-27	No	10	90	n/a	n/a	0.02	NP
Antimony (mg/l)	TSP-2	0	-7	-27	No	10	80	n/a	n/a	0.02	NP
Antimony (mg/l)	TSP-3	0	-9	-31	No	11	81.82	n/a	n/a	0.02	NP
Antimony (mg/l)	TSP-4	-0.00...	-4	-10	No	5	80	n/a	n/a	0.02	NP
Antimony (mg/l)	LFENTRANC...	-0.00...	-3	-10	No	5	60	n/a	n/a	0.02	NP
Antimony (mg/l)	MW-1R	-0.00016	-13	-17	No	7	71.43	n/a	n/a	0.02	NP
Antimony (mg/l)	NE-2	-0.00...	-10	-17	No	7	85.71	n/a	n/a	0.02	NP
Antimony (mg/l)	NE-3	-0.00...	-10	-17	No	7	85.71	n/a	n/a	0.02	NP
Antimony (mg/l)	NE-6	-0.00...	-5	-17	No	7	71.43	n/a	n/a	0.02	NP
Antimony (mg/l)	CLASSIDRAW	-0.00...	-3	-8	No	4	50	n/a	n/a	0.02	NP
Antimony (mg/l)	CLASSIVDRAW	-0.00...	-3	-8	No	4	75	n/a	n/a	0.02	NP
Antimony (mg/l)	SP-NE-3	-0.00...	-3	-10	No	5	60	n/a	n/a	0.02	NP
Arsenic (mg/l)	**MW-4**	**-0.00...**	**-5.794**	**-2.33**	**Yes**	**45**	**86.67**	**n/a**	**n/a**	**0.02**	**NP**
Arsenic (mg/l)	**CAO-1**	**0.002137**	**155**	**138**	**Yes**	**31**	**3.226**	**n/a**	**n/a**	**0.02**	**NP**
Arsenic (mg/l)	CAO-2	0.000...	80	138	No	31	12.9	n/a	n/a	0.02	NP
Arsenic (mg/l)	**CAO-3**	**-0.00...**	**-204**	**-138**	**Yes**	**31**	**54.84**	**n/a**	**n/a**	**0.02**	**NP**
Arsenic (mg/l)	LEACHATE	-0.00...	0	10	No	5	0	n/a	n/a	0.02	NP
Arsenic (mg/l)	MW-1	4.7e-12	1.069	2.33	No	42	57.14	n/a	n/a	0.02	NP
Arsenic (mg/l)	**MW-2**	**-0.00...**	**-2.356**	**-2.33**	**Yes**	**45**	**17.78**	**n/a**	**n/a**	**0.02**	**NP**
Arsenic (mg/l)	**MW-3**	**-0.00...**	**-3.475**	**-2.33**	**Yes**	**45**	**77.78**	**n/a**	**n/a**	**0.02**	**NP**
Arsenic (mg/l)	**MW-5**	**-0.00...**	**-5.621**	**-2.33**	**Yes**	**45**	**86.67**	**n/a**	**n/a**	**0.02**	**NP**
Arsenic (mg/l)	MW-509D	-0.00...	-56	-119	No	28	42.86	n/a	n/a	0.02	NP
Arsenic (mg/l)	MW-577	-0.00...	-67	-106	No	26	15.38	n/a	n/a	0.02	NP
Arsenic (mg/l)	**MW-6**	**-0.00...**	**-5.515**	**-2.33**	**Yes**	**45**	**84.44**	**n/a**	**n/a**	**0.02**	**NP**
Arsenic (mg/l)	**MW-633D**	**-0.00...**	**-161**	**-119**	**Yes**	**28**	**60.71**	**n/a**	**n/a**	**0.02**	**NP**
Arsenic (mg/l)	MW-689D	0	-11	-106	No	26	50	n/a	n/a	0.02	NP

Trend Test

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat Printed 2/2/2016, 2:08 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Arsenic (mg/l)	**MW-7**	**-0.00...**	**-6.256**	**-2.33**	**Yes**	**45**	**77.78**	**n/a**	**n/a**	**0.02**	**NP**
Arsenic (mg/l)	**NAB-1**	**-0.00...**	**-182**	**-95**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Arsenic (mg/l)	NAB-2	0	-5	-119	No	28	0	n/a	n/a	0.02	NP
Arsenic (mg/l)	**NAB-3**	**-0.00...**	**-147**	**-119**	**Yes**	**28**	**57.14**	**n/a**	**n/a**	**0.02**	**NP**
Arsenic (mg/l)	NAB-4	-0.00...	-53	-112	No	27	3.704	n/a	n/a	0.02	NP
Arsenic (mg/l)	NAB-7	0.000...	55	119	No	28	14.29	n/a	n/a	0.02	NP
Arsenic (mg/l)	NAB-8	0.000...	25	78	No	21	23.81	n/a	n/a	0.02	NP
Arsenic (mg/l)	SP-7	-0.00...	-7	-58	No	17	11.76	n/a	n/a	0.02	NP
Arsenic (mg/l)	**SPRINGA**	**-0.00...**	**-109**	**-101**	**Yes**	**25**	**64**	**n/a**	**n/a**	**0.02**	**NP**
Arsenic (mg/l)	SPRINGB	-0.00...	-31	-35	No	12	58.33	n/a	n/a	0.02	NP
Arsenic (mg/l)	TSP-1	0	5	27	No	10	70	n/a	n/a	0.02	NP
Arsenic (mg/l)	TSP-2	0.000...	9	27	No	10	10	n/a	n/a	0.02	NP
Arsenic (mg/l)	**TSP-3**	**-0.00...**	**-34**	**-31**	**Yes**	**11**	**63.64**	**n/a**	**n/a**	**0.02**	**NP**
Arsenic (mg/l)	TSP-4	-0.00...	-4	-10	No	5	80	n/a	n/a	0.02	NP
Arsenic (mg/l)	LFENTRANC...	-0.00...	-2	-10	No	5	0	n/a	n/a	0.02	NP
Arsenic (mg/l)	MW-1R	0.004424	3	17	No	7	0	n/a	n/a	0.02	NP
Arsenic (mg/l)	**NE-2**	**-0.01215**	**-19**	**-17**	**Yes**	**7**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Arsenic (mg/l)	NE-3	-0.00...	-9	-17	No	7	14.29	n/a	n/a	0.02	NP
Arsenic (mg/l)	NE-6	-0.00...	-15	-17	No	7	57.14	n/a	n/a	0.02	NP
Arsenic (mg/l)	CLASSIDRAW	-0.00...	-2	-8	No	4	0	n/a	n/a	0.02	NP
Arsenic (mg/l)	CLASSIVDRAW	-0.00...	-1	-8	No	4	50	n/a	n/a	0.02	NP
Arsenic (mg/l)	SP-NE-3	0	1	10	No	5	60	n/a	n/a	0.02	NP
Barium (mg/l)	MW-4	0	0.1574	2.33	No	45	28.89	n/a	n/a	0.02	NP
Barium (mg/l)	**CAO-1**	**0.01159**	**207**	**138**	**Yes**	**31**	**6.452**	**n/a**	**n/a**	**0.02**	**NP**
Barium (mg/l)	CAO-2	0.001814	94	138	No	31	6.452	n/a	n/a	0.02	NP
Barium (mg/l)	CAO-3	-0.00...	-52	-138	No	31	9.677	n/a	n/a	0.02	NP
Barium (mg/l)	LEACHATE	0.4589	6	10	No	5	0	n/a	n/a	0.02	NP
Barium (mg/l)	**MW-1**	**0.009325**	**6.361**	**2.33**	**Yes**	**42**	**30.95**	**n/a**	**n/a**	**0.02**	**NP**
Barium (mg/l)	MW-2	-0.00...	-2.082	-2.33	No	45	31.11	n/a	n/a	0.02	NP
Barium (mg/l)	**MW-3**	**0.001283**	**2.975**	**2.33**	**Yes**	**45**	**28.89**	**n/a**	**n/a**	**0.02**	**NP**
Barium (mg/l)	MW-5	0	-0.3052	-2.33	No	45	31.11	n/a	n/a	0.02	NP
Barium (mg/l)	MW-509D	0.00049	67	119	No	28	0	n/a	n/a	0.02	NP
Barium (mg/l)	MW-577	-0.00...	-88	-106	No	26	0	n/a	n/a	0.02	NP
Barium (mg/l)	MW-6	0	0	2.33	No	45	26.67	n/a	n/a	0.02	NP
Barium (mg/l)	**MW-633D**	**0.000357**	**123**	**119**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Barium (mg/l)	MW-689D	0.000...	69	106	No	26	0	n/a	n/a	0.02	NP
Barium (mg/l)	**MW-7**	**-0.01518**	**-4.123**	**-2.33**	**Yes**	**45**	**8.889**	**n/a**	**n/a**	**0.02**	**NP**
Barium (mg/l)	**NAB-1**	**0.000...**	**140**	**95**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Barium (mg/l)	**NAB-2**	**0.001214**	**150**	**119**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Barium (mg/l)	**NAB-3**	**0.001294**	**142**	**119**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Barium (mg/l)	**NAB-4**	**0.001923**	**167**	**112**	**Yes**	**27**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Barium (mg/l)	**NAB-7**	**0.000...**	**190**	**119**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Barium (mg/l)	NAB-8	-0.00...	-52	-78	No	21	0	n/a	n/a	0.02	NP
Barium (mg/l)	SP-7	-0.00136	-34	-58	No	17	0	n/a	n/a	0.02	NP
Barium (mg/l)	SPRINGA	0.000...	10	101	No	25	0	n/a	n/a	0.02	NP
Barium (mg/l)	SPRINGB	0.003236	15	35	No	12	0	n/a	n/a	0.02	NP
Barium (mg/l)	TSP-1	0.001902	10	27	No	10	0	n/a	n/a	0.02	NP
Barium (mg/l)	TSP-2	0.02167	18	27	No	10	0	n/a	n/a	0.02	NP
Barium (mg/l)	TSP-3	0.004784	20	31	No	11	0	n/a	n/a	0.02	NP
Barium (mg/l)	TSP-4	0.00209	6	10	No	5	0	n/a	n/a	0.02	NP

Trend Test

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat Printed 2/2/2016, 2:08 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/l)	LFENTRANC...	-0.01299	-4	-10	No	5	0	n/a	n/a	0.02	NP
Barium (mg/l)	MW-1R	-0.00...	-2	-17	No	7	0	n/a	n/a	0.02	NP
Barium (mg/l)	NE-2	-0.00...	-7	-17	No	7	0	n/a	n/a	0.02	NP
Barium (mg/l)	NE-3	-0.00...	-3	-17	No	7	14.29	n/a	n/a	0.02	NP
Barium (mg/l)	NE-6	-0.00...	-8	-17	No	7	0	n/a	n/a	0.02	NP
Barium (mg/l)	CLASSIDRAW	-0.03495	-2	-8	No	4	0	n/a	n/a	0.02	NP
Barium (mg/l)	CLASSIVDRAW	0.008604	2	8	No	4	0	n/a	n/a	0.02	NP
Barium (mg/l)	SP-NE-3	0.003861	2	10	No	5	0	n/a	n/a	0.02	NP
Beryllium (mg/l)	**MW-4**	**-0.00...**	**-4.72**	**-2.33**	**Yes**	**45**	**93.33**	**n/a**	**n/a**	**0.02**	**NP**
Beryllium (mg/l)	**CAO-1**	**-0.00...**	**-189**	**-138**	**Yes**	**31**	**87.1**	**n/a**	**n/a**	**0.02**	**NP**
Beryllium (mg/l)	**CAO-2**	**-0.00...**	**-163**	**-138**	**Yes**	**31**	**87.1**	**n/a**	**n/a**	**0.02**	**NP**
Beryllium (mg/l)	**CAO-3**	**-0.00...**	**-195**	**-138**	**Yes**	**31**	**83.87**	**n/a**	**n/a**	**0.02**	**NP**
Beryllium (mg/l)	LEACHATE	-0.00...	-5	-10	No	5	60	n/a	n/a	0.02	NP
Beryllium (mg/l)	**MW-1**	**-0.00...**	**-5.031**	**-2.33**	**Yes**	**42**	**85.71**	**n/a**	**n/a**	**0.02**	**NP**
Beryllium (mg/l)	**MW-2**	**-0.00...**	**-4.782**	**-2.33**	**Yes**	**45**	**95.56**	**n/a**	**n/a**	**0.02**	**NP**
Beryllium (mg/l)	**MW-3**	**-0.00...**	**-4.933**	**-2.33**	**Yes**	**45**	**95.56**	**n/a**	**n/a**	**0.02**	**NP**
Beryllium (mg/l)	**MW-5**	**-0.00...**	**-4.701**	**-2.33**	**Yes**	**45**	**93.33**	**n/a**	**n/a**	**0.02**	**NP**
Beryllium (mg/l)	**MW-509D**	**-0.00...**	**-133**	**-119**	**Yes**	**28**	**64.29**	**n/a**	**n/a**	**0.02**	**NP**
Beryllium (mg/l)	**MW-577**	**-0.00...**	**-150**	**-106**	**Yes**	**26**	**84.62**	**n/a**	**n/a**	**0.02**	**NP**
Beryllium (mg/l)	**MW-6**	**-0.00...**	**-4.656**	**-2.33**	**Yes**	**45**	**93.33**	**n/a**	**n/a**	**0.02**	**NP**
Beryllium (mg/l)	**MW-633D**	**-0.00...**	**-235**	**-119**	**Yes**	**28**	**85.71**	**n/a**	**n/a**	**0.02**	**NP**
Beryllium (mg/l)	**MW-689D**	**-0.00...**	**-170**	**-106**	**Yes**	**26**	**76.92**	**n/a**	**n/a**	**0.02**	**NP**
Beryllium (mg/l)	**MW-7**	**-0.00...**	**-4.868**	**-2.33**	**Yes**	**45**	**95.56**	**n/a**	**n/a**	**0.02**	**NP**
Beryllium (mg/l)	NAB-1	0	-83	-95	No	24	83.33	n/a	n/a	0.02	NP
Beryllium (mg/l)	**NAB-2**	**-0.00...**	**-191**	**-119**	**Yes**	**28**	**96.43**	**n/a**	**n/a**	**0.02**	**NP**
Beryllium (mg/l)	**NAB-3**	**-0.00...**	**-199**	**-119**	**Yes**	**28**	**92.86**	**n/a**	**n/a**	**0.02**	**NP**
Beryllium (mg/l)	**NAB-4**	**-0.00...**	**-193**	**-112**	**Yes**	**27**	**92.59**	**n/a**	**n/a**	**0.02**	**NP**
Beryllium (mg/l)	**NAB-7**	**-0.00...**	**-198**	**-119**	**Yes**	**28**	**92.86**	**n/a**	**n/a**	**0.02**	**NP**
Beryllium (mg/l)	**NAB-8**	**-0.00...**	**-115**	**-78**	**Yes**	**21**	**90.48**	**n/a**	**n/a**	**0.02**	**NP**
Beryllium (mg/l)	**SP-7**	**-0.00...**	**-95**	**-58**	**Yes**	**17**	**82.35**	**n/a**	**n/a**	**0.02**	**NP**
Beryllium (mg/l)	**SPRINGA**	**-0.00...**	**-186**	**-101**	**Yes**	**25**	**92**	**n/a**	**n/a**	**0.02**	**NP**
Beryllium (mg/l)	**SPRINGB**	**-0.00...**	**-49**	**-35**	**Yes**	**12**	**91.67**	**n/a**	**n/a**	**0.02**	**NP**
Beryllium (mg/l)	TSP-1	-0.00...	-22	-27	No	10	100	n/a	n/a	0.02	NP
Beryllium (mg/l)	TSP-2	0	-6	-27	No	10	80	n/a	n/a	0.02	NP
Beryllium (mg/l)	**TSP-3**	**-0.00...**	**-42**	**-31**	**Yes**	**11**	**90.91**	**n/a**	**n/a**	**0.02**	**NP**
Beryllium (mg/l)	TSP-4	-0.00...	-8	-10	No	5	80	n/a	n/a	0.02	NP
Beryllium (mg/l)	LFENTRANC...	-0.00...	-7	-10	No	5	80	n/a	n/a	0.02	NP
Beryllium (mg/l)	MW-1R	-0.00...	-15	-17	No	7	71.43	n/a	n/a	0.02	NP
Beryllium (mg/l)	NE-2	-0.00...	-14	-17	No	7	85.71	n/a	n/a	0.02	NP
Beryllium (mg/l)	NE-3	-0.00...	-14	-17	No	7	85.71	n/a	n/a	0.02	NP
Beryllium (mg/l)	NE-6	-0.00...	-14	-17	No	7	85.71	n/a	n/a	0.02	NP
Beryllium (mg/l)	CLASSIDRAW	-0.00...	-3	-8	No	4	75	n/a	n/a	0.02	NP
Beryllium (mg/l)	CLASSIVDRAW	-0.00005	-3	-8	No	4	75	n/a	n/a	0.02	NP
Beryllium (mg/l)	SP-NE-3	0	-4	-10	No	5	80	n/a	n/a	0.02	NP
Cadmium (mg/l)	**MW-4**	**-0.00...**	**-3.219**	**-2.33**	**Yes**	**45**	**66.67**	**n/a**	**n/a**	**0.02**	**NP**
Cadmium (mg/l)	**CAO-1**	**-0.00...**	**-256**	**-138**	**Yes**	**31**	**77.42**	**n/a**	**n/a**	**0.02**	**NP**
Cadmium (mg/l)	**CAO-2**	**-0.00...**	**-157**	**-138**	**Yes**	**31**	**80.65**	**n/a**	**n/a**	**0.02**	**NP**
Cadmium (mg/l)	**CAO-3**	**-0.00...**	**-194**	**-138**	**Yes**	**31**	**61.29**	**n/a**	**n/a**	**0.02**	**NP**
Cadmium (mg/l)	LEACHATE	0.000...	1	10	No	5	60	n/a	n/a	0.02	NP
Cadmium (mg/l)	MW-1	-0.00...	-2.264	-2.33	No	42	64.29	n/a	n/a	0.02	NP

Trend Test

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat Printed 2/2/2016, 2:08 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Cadmium (mg/l)	**MW-2**	**-0.00...**	**-2.985**	**-2.33**	**Yes**	**45**	**97.78**	**n/a**	**n/a**	**0.02**	**NP**
Cadmium (mg/l)	MW-3	0.000...	1.411	2.33	No	45	57.78	n/a	n/a	0.02	NP
Cadmium (mg/l)	**MW-5**	**-0.00...**	**-3.275**	**-2.33**	**Yes**	**45**	**88.89**	**n/a**	**n/a**	**0.02**	**NP**
Cadmium (mg/l)	**MW-509D**	**0.000...**	**163**	**119**	**Yes**	**28**	**25**	**n/a**	**n/a**	**0.02**	**NP**
Cadmium (mg/l)	**MW-577**	**-0.00...**	**-191**	**-106**	**Yes**	**26**	**80.77**	**n/a**	**n/a**	**0.02**	**NP**
Cadmium (mg/l)	**MW-6**	**-0.00...**	**-3.436**	**-2.33**	**Yes**	**45**	**84.44**	**n/a**	**n/a**	**0.02**	**NP**
Cadmium (mg/l)	MW-633D	-0.00...	-107	-119	No	28	35.71	n/a	n/a	0.02	NP
Cadmium (mg/l)	**MW-689D**	**-0.00...**	**-197**	**-106**	**Yes**	**26**	**80.77**	**n/a**	**n/a**	**0.02**	**NP**
Cadmium (mg/l)	**MW-7**	**-0.00...**	**-3.192**	**-2.33**	**Yes**	**45**	**91.11**	**n/a**	**n/a**	**0.02**	**NP**
Cadmium (mg/l)	**NAB-1**	**-0.00...**	**-142**	**-95**	**Yes**	**24**	**75**	**n/a**	**n/a**	**0.02**	**NP**
Cadmium (mg/l)	**NAB-2**	**-0.00...**	**-217**	**-119**	**Yes**	**28**	**96.43**	**n/a**	**n/a**	**0.02**	**NP**
Cadmium (mg/l)	**NAB-3**	**-0.00...**	**-180**	**-119**	**Yes**	**28**	**64.29**	**n/a**	**n/a**	**0.02**	**NP**
Cadmium (mg/l)	NAB-4	-0.00...	-85	-112	No	27	33.33	n/a	n/a	0.02	NP
Cadmium (mg/l)	**NAB-7**	**-0.00...**	**-239**	**-119**	**Yes**	**28**	**85.71**	**n/a**	**n/a**	**0.02**	**NP**
Cadmium (mg/l)	**NAB-8**	**-0.00...**	**-137**	**-78**	**Yes**	**21**	**85.71**	**n/a**	**n/a**	**0.02**	**NP**
Cadmium (mg/l)	**SP-7**	**-0.00...**	**-91**	**-58**	**Yes**	**17**	**94.12**	**n/a**	**n/a**	**0.02**	**NP**
Cadmium (mg/l)	**SPRINGA**	**-0.00...**	**-193**	**-101**	**Yes**	**25**	**60**	**n/a**	**n/a**	**0.02**	**NP**
Cadmium (mg/l)	**SPRINGB**	**-0.00...**	**-39**	**-35**	**Yes**	**12**	**91.67**	**n/a**	**n/a**	**0.02**	**NP**
Cadmium (mg/l)	**TSP-1**	**-0.00...**	**-34**	**-27**	**Yes**	**10**	**70**	**n/a**	**n/a**	**0.02**	**NP**
Cadmium (mg/l)	TSP-2	0	-8	-27	No	10	70	n/a	n/a	0.02	NP
Cadmium (mg/l)	**TSP-3**	**-0.00...**	**-37**	**-31**	**Yes**	**11**	**90.91**	**n/a**	**n/a**	**0.02**	**NP**
Cadmium (mg/l)	TSP-4	-0.00...	-8	-10	No	5	80	n/a	n/a	0.02	NP
Cadmium (mg/l)	LFENTRANC...	-0.00...	-5	-10	No	5	80	n/a	n/a	0.02	NP
Cadmium (mg/l)	MW-1R	-0.00...	-8	-17	No	7	42.86	n/a	n/a	0.02	NP
Cadmium (mg/l)	NE-2	-0.00...	-11	-17	No	7	71.43	n/a	n/a	0.02	NP
Cadmium (mg/l)	NE-3	-0.00...	-15	-17	No	7	57.14	n/a	n/a	0.02	NP
Cadmium (mg/l)	NE-6	-0.00017	-15	-17	No	7	57.14	n/a	n/a	0.02	NP
Cadmium (mg/l)	CLASSIDRAW	-0.00...	-3	-8	No	4	50	n/a	n/a	0.02	NP
Cadmium (mg/l)	CLASSIVDRAW	0.001288	0	8	No	4	25	n/a	n/a	0.02	NP
Cadmium (mg/l)	SP-NE-3	0	-4	-10	No	5	80	n/a	n/a	0.02	NP
Chloride (mg/l)	**MW-4**	**0.1455**	**3.088**	**2.33**	**Yes**	**44**	**2.273**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/l)	**CAO-1**	**6.567**	**176**	**132**	**Yes**	**30**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/l)	CAO-2	0.5897	70	132	No	30	0	n/a	n/a	0.02	NP
Chloride (mg/l)	CAO-3	0.4395	117	132	No	30	0	n/a	n/a	0.02	NP
Chloride (mg/l)	LEACHATE	-43.74	-2	-8	No	4	0	n/a	n/a	0.02	NP
Chloride (mg/l)	**MW-1**	**0.7716**	**3.689**	**2.33**	**Yes**	**41**	**2.439**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/l)	MW-2	0.09192	1.185	2.33	No	44	2.273	n/a	n/a	0.02	NP
Chloride (mg/l)	**MW-3**	**-0.289**	**-3.673**	**-2.33**	**Yes**	**44**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/l)	**MW-5**	**0.1257**	**4.42**	**2.33**	**Yes**	**44**	**2.273**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/l)	**MW-509D**	**0.3335**	**205**	**112**	**Yes**	**27**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/l)	**MW-577**	**0.1101**	**124**	**101**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/l)	MW-6	0.2087	1.326	2.33	No	44	0	n/a	n/a	0.02	NP
Chloride (mg/l)	**MW-633D**	**0.293**	**124**	**112**	**Yes**	**27**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/l)	MW-689D	0.09765	79	101	No	25	0	n/a	n/a	0.02	NP
Chloride (mg/l)	**MW-7**	**-0.3298**	**-4.261**	**-2.33**	**Yes**	**44**	**4.545**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/l)	**NAB-1**	**0.428**	**124**	**89**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/l)	**NAB-2**	**0.2738**	**199**	**112**	**Yes**	**27**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/l)	**NAB-3**	**0.2485**	**133**	**112**	**Yes**	**27**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/l)	NAB-4	0	10	106	No	26	0	n/a	n/a	0.02	NP
Chloride (mg/l)	**NAB-7**	**0.16**	**136**	**112**	**Yes**	**27**	**0**	**n/a**	**n/a**	**0.02**	**NP**

Trend Test

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat Printed 2/2/2016, 2:08 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Chloride (mg/l)	NAB-8	0.03645	44	73	No	20	0	n/a	n/a	0.02	NP
Chloride (mg/l)	**SP-7**	**1.307**	**86**	**53**	**Yes**	**16**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/l)	SPRINGA	0.157	42	95	No	24	0	n/a	n/a	0.02	NP
Chloride (mg/l)	**SPRINGB**	**10.08**	**42**	**31**	**Yes**	**11**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/l)	**TSP-1**	**0.7972**	**30**	**27**	**Yes**	**10**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/l)	**TSP-2**	**1.404**	**35**	**27**	**Yes**	**10**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/l)	TSP-3	0.3264	25	27	No	10	0	n/a	n/a	0.02	NP
Chloride (mg/l)	TSP-4	-0.341	0	8	No	4	0	n/a	n/a	0.02	NP
Chloride (mg/l)	LFENTRANC...	0.3507	2	8	No	4	0	n/a	n/a	0.02	NP
Chloride (mg/l)	MW-1R	21.63	11	13	No	6	0	n/a	n/a	0.02	NP
Chloride (mg/l)	**NE-2**	**-9.836**	**-15**	**-13**	**Yes**	**6**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Chloride (mg/l)	NE-3	1.212	9	13	No	6	0	n/a	n/a	0.02	NP
Chloride (mg/l)	NE-6	0.08706	6	13	No	6	0	n/a	n/a	0.02	NP
Chloride (mg/l)	CLASSIDRAW	12.17	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Chloride (mg/l)	CLASSIVDRAW	-13.56	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Chloride (mg/l)	SP-NE-3	21.99	6	8	No	4	0	n/a	n/a	0.02	NP
Chromium (mg/l)	**MW-4**	**0**	**-2.592**	**-2.33**	**Yes**	**45**	**86.67**	**n/a**	**n/a**	**0.02**	**NP**
Chromium (mg/l)	CAO-1	0	-74	-138	No	31	70.97	n/a	n/a	0.02	NP
Chromium (mg/l)	CAO-2	0	-61	-138	No	31	80.65	n/a	n/a	0.02	NP
Chromium (mg/l)	CAO-3	0	-113	-138	No	31	83.87	n/a	n/a	0.02	NP
Chromium (mg/l)	LEACHATE	-1.3e-10	-1	-10	No	5	40	n/a	n/a	0.02	NP
Chromium (mg/l)	MW-1	0	-1.56	-2.33	No	42	85.71	n/a	n/a	0.02	NP
Chromium (mg/l)	**MW-2**	**0**	**-2.376**	**-2.33**	**Yes**	**45**	**88.89**	**n/a**	**n/a**	**0.02**	**NP**
Chromium (mg/l)	**MW-3**	**0**	**-2.403**	**-2.33**	**Yes**	**45**	**91.11**	**n/a**	**n/a**	**0.02**	**NP**
Chromium (mg/l)	MW-5	0	-2.196	-2.33	No	45	91.11	n/a	n/a	0.02	NP
Chromium (mg/l)	MW-509D	0	2	119	No	28	64.29	n/a	n/a	0.02	NP
Chromium (mg/l)	**MW-577**	**0**	**-108**	**-106**	**Yes**	**26**	**84.62**	**n/a**	**n/a**	**0.02**	**NP**
Chromium (mg/l)	MW-6	0	-2.137	-2.33	No	45	91.11	n/a	n/a	0.02	NP
Chromium (mg/l)	MW-633D	0	-104	-119	No	28	89.29	n/a	n/a	0.02	NP
Chromium (mg/l)	MW-689D	0	-76	-106	No	26	73.08	n/a	n/a	0.02	NP
Chromium (mg/l)	MW-7	0	-1.932	-2.33	No	45	95.56	n/a	n/a	0.02	NP
Chromium (mg/l)	NAB-1	0	-12	-95	No	24	83.33	n/a	n/a	0.02	NP
Chromium (mg/l)	**NAB-2**	**0**	**-138**	**-119**	**Yes**	**28**	**89.29**	**n/a**	**n/a**	**0.02**	**NP**
Chromium (mg/l)	NAB-3	0	-114	-119	No	28	89.29	n/a	n/a	0.02	NP
Chromium (mg/l)	NAB-4	0	-110	-112	No	27	81.48	n/a	n/a	0.02	NP
Chromium (mg/l)	NAB-7	0	-103	-119	No	28	96.43	n/a	n/a	0.02	NP
Chromium (mg/l)	**NAB-8**	**-0.00...**	**-93**	**-78**	**Yes**	**21**	**71.43**	**n/a**	**n/a**	**0.02**	**NP**
Chromium (mg/l)	SP-7	0	-56	-58	No	17	100	n/a	n/a	0.02	NP
Chromium (mg/l)	SPRINGA	0	-88	-101	No	25	100	n/a	n/a	0.02	NP
Chromium (mg/l)	**SPRINGB**	**-0.00...**	**-39**	**-35**	**Yes**	**12**	**91.67**	**n/a**	**n/a**	**0.02**	**NP**
Chromium (mg/l)	TSP-1	0	-3	-27	No	10	90	n/a	n/a	0.02	NP
Chromium (mg/l)	TSP-2	0	-4	-27	No	10	60	n/a	n/a	0.02	NP
Chromium (mg/l)	**TSP-3**	**-0.00...**	**-32**	**-31**	**Yes**	**11**	**90.91**	**n/a**	**n/a**	**0.02**	**NP**
Chromium (mg/l)	TSP-4	-0.00...	-7	-10	No	5	100	n/a	n/a	0.02	NP
Chromium (mg/l)	LFENTRANC...	-0.00...	-2	-10	No	5	60	n/a	n/a	0.02	NP
Chromium (mg/l)	MW-1R	-0.00...	-10	-17	No	7	57.14	n/a	n/a	0.02	NP
Chromium (mg/l)	NE-2	-0.00...	-14	-17	No	7	85.71	n/a	n/a	0.02	NP
Chromium (mg/l)	NE-3	-0.00...	-10	-17	No	7	57.14	n/a	n/a	0.02	NP
Chromium (mg/l)	NE-6	-0.00...	-11	-17	No	7	85.71	n/a	n/a	0.02	NP
Chromium (mg/l)	CLASSIDRAW	-0.00...	0	8	No	4	50	n/a	n/a	0.02	NP

Trend Test

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat Printed 2/2/2016, 2:08 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Chromium (mg/l)	CLASSIVDRAW	-0.00...	-5	-8	No	4	100	n/a	n/a	0.02	NP
Chromium (mg/l)	SP-NE-3	-0.00...	-3	-10	No	5	80	n/a	n/a	0.02	NP
Cobalt (mg/l)	**MW-4**	**-0.00...**	**-5.931**	**-2.33**	**Yes**	**45**	**100**	**n/a**	**n/a**	**0.02**	**NP**
Cobalt (mg/l)	**CAO-1**	**-0.00...**	**-190**	**-138**	**Yes**	**31**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Cobalt (mg/l)	**CAO-2**	**-0.00...**	**-201**	**-138**	**Yes**	**31**	**74.19**	**n/a**	**n/a**	**0.02**	**NP**
Cobalt (mg/l)	**CAO-3**	**0**	**-181**	**-138**	**Yes**	**31**	**96.77**	**n/a**	**n/a**	**0.02**	**NP**
Cobalt (mg/l)	LEACHATE	0.000...	5	10	No	5	40	n/a	n/a	0.02	NP
Cobalt (mg/l)	MW-1	0	1.999	2.33	No	42	71.43	n/a	n/a	0.02	NP
Cobalt (mg/l)	**MW-2**	**-0.00...**	**-5.94**	**-2.33**	**Yes**	**45**	**97.78**	**n/a**	**n/a**	**0.02**	**NP**
Cobalt (mg/l)	**MW-3**	**-0.00...**	**-4.459**	**-2.33**	**Yes**	**45**	**95.56**	**n/a**	**n/a**	**0.02**	**NP**
Cobalt (mg/l)	**MW-5**	**-0.00...**	**-5.918**	**-2.33**	**Yes**	**45**	**97.78**	**n/a**	**n/a**	**0.02**	**NP**
Cobalt (mg/l)	MW-509D	0	-97	-119	No	28	78.57	n/a	n/a	0.02	NP
Cobalt (mg/l)	MW-577	0	-92	-106	No	26	100	n/a	n/a	0.02	NP
Cobalt (mg/l)	**MW-6**	**-0.00...**	**-5.931**	**-2.33**	**Yes**	**45**	**100**	**n/a**	**n/a**	**0.02**	**NP**
Cobalt (mg/l)	MW-633D	0	-89	-119	No	28	96.43	n/a	n/a	0.02	NP
Cobalt (mg/l)	**MW-689D**	**0**	**-138**	**-106**	**Yes**	**26**	**80.77**	**n/a**	**n/a**	**0.02**	**NP**
Cobalt (mg/l)	**MW-7**	**-0.00...**	**-4.728**	**-2.33**	**Yes**	**45**	**84.44**	**n/a**	**n/a**	**0.02**	**NP**
Cobalt (mg/l)	NAB-1	0	-19	-95	No	24	91.67	n/a	n/a	0.02	NP
Cobalt (mg/l)	NAB-2	0	-105	-119	No	28	96.43	n/a	n/a	0.02	NP
Cobalt (mg/l)	**NAB-3**	**0**	**-130**	**-119**	**Yes**	**28**	**89.29**	**n/a**	**n/a**	**0.02**	**NP**
Cobalt (mg/l)	**NAB-4**	**0**	**-115**	**-112**	**Yes**	**27**	**92.59**	**n/a**	**n/a**	**0.02**	**NP**
Cobalt (mg/l)	NAB-7	0	-100	-119	No	28	85.71	n/a	n/a	0.02	NP
Cobalt (mg/l)	NAB-8	0	-68	-78	No	21	95.24	n/a	n/a	0.02	NP
Cobalt (mg/l)	SP-7	0	-55	-58	No	17	88.24	n/a	n/a	0.02	NP
Cobalt (mg/l)	SPRINGA	0	-88	-101	No	25	100	n/a	n/a	0.02	NP
Cobalt (mg/l)	**SPRINGB**	**-0.00...**	**-42**	**-35**	**Yes**	**12**	**75**	**n/a**	**n/a**	**0.02**	**NP**
Cobalt (mg/l)	TSP-1	0	-5	-27	No	10	90	n/a	n/a	0.02	NP
Cobalt (mg/l)	TSP-2	0.000272	15	27	No	10	40	n/a	n/a	0.02	NP
Cobalt (mg/l)	**TSP-3**	**-0.00...**	**-33**	**-31**	**Yes**	**11**	**81.82**	**n/a**	**n/a**	**0.02**	**NP**
Cobalt (mg/l)	TSP-4	-0.00...	-7	-10	No	5	100	n/a	n/a	0.02	NP
Cobalt (mg/l)	LFENTRANC...	-0.00...	-3	-10	No	5	60	n/a	n/a	0.02	NP
Cobalt (mg/l)	MW-1R	-0.0365	-11	-17	No	7	0	n/a	n/a	0.02	NP
Cobalt (mg/l)	NE-2	-0.00...	-15	-17	No	7	71.43	n/a	n/a	0.02	NP
Cobalt (mg/l)	NE-3	-0.00...	-13	-17	No	7	71.43	n/a	n/a	0.02	NP
Cobalt (mg/l)	NE-6	-0.00...	-16	-17	No	7	100	n/a	n/a	0.02	NP
Cobalt (mg/l)	CLASSIDRAW	-0.00...	-5	-8	No	4	100	n/a	n/a	0.02	NP
Cobalt (mg/l)	CLASSIVDRAW	-0.00342	-2	-8	No	4	75	n/a	n/a	0.02	NP
Cobalt (mg/l)	SP-NE-3	-0.00...	-8	-10	No	5	100	n/a	n/a	0.02	NP
Copper (mg/l)	**MW-4**	**-0.00...**	**-3.364**	**-2.33**	**Yes**	**45**	**93.33**	**n/a**	**n/a**	**0.02**	**NP**
Copper (mg/l)	**CAO-1**	**-0.00...**	**-151**	**-138**	**Yes**	**31**	**74.19**	**n/a**	**n/a**	**0.02**	**NP**
Copper (mg/l)	**CAO-2**	**-0.00...**	**-170**	**-138**	**Yes**	**31**	**70.97**	**n/a**	**n/a**	**0.02**	**NP**
Copper (mg/l)	CAO-3	-0.00...	-129	-138	No	31	67.74	n/a	n/a	0.02	NP
Copper (mg/l)	LEACHATE	-0.00...	-4	-10	No	5	40	n/a	n/a	0.02	NP
Copper (mg/l)	MW-1	-0.00...	-2.121	-2.33	No	42	83.33	n/a	n/a	0.02	NP
Copper (mg/l)	**MW-2**	**-0.00013**	**-2.766**	**-2.33**	**Yes**	**45**	**91.11**	**n/a**	**n/a**	**0.02**	**NP**
Copper (mg/l)	**MW-3**	**-0.00...**	**-3.09**	**-2.33**	**Yes**	**45**	**95.56**	**n/a**	**n/a**	**0.02**	**NP**
Copper (mg/l)	**MW-5**	**-0.00...**	**-3.128**	**-2.33**	**Yes**	**45**	**97.78**	**n/a**	**n/a**	**0.02**	**NP**
Copper (mg/l)	MW-509D	-0.00...	-84	-119	No	28	60.71	n/a	n/a	0.02	NP
Copper (mg/l)	**MW-577**	**-0.00...**	**-164**	**-106**	**Yes**	**26**	**69.23**	**n/a**	**n/a**	**0.02**	**NP**
Copper (mg/l)	**MW-6**	**-0.00...**	**-2.695**	**-2.33**	**Yes**	**45**	**91.11**	**n/a**	**n/a**	**0.02**	**NP**

Trend Test

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat Printed 2/2/2016, 2:08 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Copper (mg/l)	**MW-633D**	**-0.00...**	**-161**	**-119**	**Yes**	**28**	**82.14**	**n/a**	**n/a**	**0.02**	**NP**
Copper (mg/l)	MW-689D	-0.00...	-105	-106	No	26	69.23	n/a	n/a	0.02	NP
Copper (mg/l)	**MW-7**	**-0.00...**	**-3.054**	**-2.33**	**Yes**	**45**	**84.44**	**n/a**	**n/a**	**0.02**	**NP**
Copper (mg/l)	**NAB-1**	**-0.00...**	**-116**	**-95**	**Yes**	**24**	**75**	**n/a**	**n/a**	**0.02**	**NP**
Copper (mg/l)	**NAB-2**	**-0.00...**	**-182**	**-119**	**Yes**	**28**	**82.14**	**n/a**	**n/a**	**0.02**	**NP**
Copper (mg/l)	**NAB-3**	**-0.00...**	**-161**	**-119**	**Yes**	**28**	**60.71**	**n/a**	**n/a**	**0.02**	**NP**
Copper (mg/l)	**NAB-4**	**-0.00...**	**-183**	**-112**	**Yes**	**27**	**74.07**	**n/a**	**n/a**	**0.02**	**NP**
Copper (mg/l)	**NAB-7**	**-0.00...**	**-174**	**-119**	**Yes**	**28**	**92.86**	**n/a**	**n/a**	**0.02**	**NP**
Copper (mg/l)	**NAB-8**	**-0.00...**	**-132**	**-78**	**Yes**	**21**	**66.67**	**n/a**	**n/a**	**0.02**	**NP**
Copper (mg/l)	**SP-7**	**-0.00...**	**-99**	**-58**	**Yes**	**17**	**58.82**	**n/a**	**n/a**	**0.02**	**NP**
Copper (mg/l)	**SPRINGA**	**-0.00...**	**-138**	**-101**	**Yes**	**25**	**92**	**n/a**	**n/a**	**0.02**	**NP**
Copper (mg/l)	**SPRINGB**	**-0.00...**	**-40**	**-35**	**Yes**	**12**	**75**	**n/a**	**n/a**	**0.02**	**NP**
Copper (mg/l)	TSP-1	-0.00...	-18	-27	No	10	70	n/a	n/a	0.02	NP
Copper (mg/l)	TSP-2	0	0	27	No	10	30	n/a	n/a	0.02	NP
Copper (mg/l)	**TSP-3**	**-0.00...**	**-36**	**-31**	**Yes**	**11**	**63.64**	**n/a**	**n/a**	**0.02**	**NP**
Copper (mg/l)	TSP-4	-0.00...	-8	-10	No	5	80	n/a	n/a	0.02	NP
Copper (mg/l)	LFENTRANC...	0.000...	1	10	No	5	60	n/a	n/a	0.02	NP
Copper (mg/l)	MW-1R	-0.00...	-13	-17	No	7	71.43	n/a	n/a	0.02	NP
Copper (mg/l)	NE-2	-0.00...	-11	-17	No	7	57.14	n/a	n/a	0.02	NP
Copper (mg/l)	NE-3	-0.00...	-15	-17	No	7	71.43	n/a	n/a	0.02	NP
Copper (mg/l)	NE-6	-0.00...	-10	-17	No	7	100	n/a	n/a	0.02	NP
Copper (mg/l)	CLASSIDRAW	-0.00127	-3	-8	No	4	75	n/a	n/a	0.02	NP
Copper (mg/l)	CLASSIVDRAW	-0.00112	-3	-8	No	4	100	n/a	n/a	0.02	NP
Copper (mg/l)	SP-NE-3	0	-4	-10	No	5	80	n/a	n/a	0.02	NP
Dissolved Solids (mg/l)	**MW-4**	**4.134**	**5.539**	**2.33**	**Yes**	**45**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Dissolved Solids (mg/l)	CAO-1	-19.09	-113	-138	No	31	0	n/a	n/a	0.02	NP
Dissolved Solids (mg/l)	CAO-2	-1.933	-42	-138	No	31	0	n/a	n/a	0.02	NP
Dissolved Solids (mg/l)	CAO-3	-6.449	-91	-138	No	31	0	n/a	n/a	0.02	NP
Dissolved Solids (mg/l)	LEACHATE	-92.9	-2	-10	No	5	0	n/a	n/a	0.02	NP
Dissolved Solids (mg/l)	**MW-1**	**40.48**	**8.478**	**2.33**	**Yes**	**42**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Dissolved Solids (mg/l)	MW-2	-0.6884	-0.8823	-2.33	No	45	0	n/a	n/a	0.02	NP
Dissolved Solids (mg/l)	**MW-3**	**9.144**	**3.974**	**2.33**	**Yes**	**45**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Dissolved Solids (mg/l)	**MW-5**	**5.838**	**6.13**	**2.33**	**Yes**	**45**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Dissolved Solids (mg/l)	MW-509D	5.576	94	119	No	28	0	n/a	n/a	0.02	NP
Dissolved Solids (mg/l)	MW-577	-4.254	-63	-106	No	26	0	n/a	n/a	0.02	NP
Dissolved Solids (mg/l)	**MW-6**	**1.365**	**2.549**	**2.33**	**Yes**	**45**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Dissolved Solids (mg/l)	**MW-633D**	**6.411**	**211**	**119**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Dissolved Solids (mg/l)	MW-689D	4.112	63	106	No	26	0	n/a	n/a	0.02	NP
Dissolved Solids (mg/l)	MW-7	1.542	1.588	2.33	No	45	0	n/a	n/a	0.02	NP
Dissolved Solids (mg/l)	**NAB-1**	**8.452**	**119**	**95**	**Yes**	**24**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Dissolved Solids (mg/l)	**NAB-2**	**5.594**	**136**	**119**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Dissolved Solids (mg/l)	**NAB-3**	**15.09**	**188**	**119**	**Yes**	**28**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Dissolved Solids (mg/l)	**NAB-4**	**11.13**	**176**	**112**	**Yes**	**27**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Dissolved Solids (mg/l)	NAB-7	3.52	87	119	No	28	0	n/a	n/a	0.02	NP
Dissolved Solids (mg/l)	NAB-8	0.1256	25	78	No	21	0	n/a	n/a	0.02	NP
Dissolved Solids (mg/l)	SP-7	4.722	24	58	No	17	0	n/a	n/a	0.02	NP
Dissolved Solids (mg/l)	SPRINGA	10.19	58	101	No	25	0	n/a	n/a	0.02	NP
Dissolved Solids (mg/l)	SPRINGB	23.9	34	35	No	12	0	n/a	n/a	0.02	NP
Dissolved Solids (mg/l)	TSP-1	12.75	16	27	No	10	0	n/a	n/a	0.02	NP
Dissolved Solids (mg/l)	TSP-2	17.76	18	27	No	10	0	n/a	n/a	0.02	NP

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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat Printed 2/2/2016, 2:08 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Dissolved Solids (mg/l)	TSP-3	7.594	10	31	No	11	0	n/a	n/a	0.02	NP
Dissolved Solids (mg/l)	TSP-4	7.319	4	10	No	5	0	n/a	n/a	0.02	NP
Dissolved Solids (mg/l)	LFENTRANC...	-24.89	-6	-10	No	5	0	n/a	n/a	0.02	NP
Dissolved Solids (mg/l)	MW-1R	39.56	8	17	No	7	0	n/a	n/a	0.02	NP
Dissolved Solids (mg/l)	NE-2	-267.4	-14	-17	No	7	0	n/a	n/a	0.02	NP
Dissolved Solids (mg/l)	NE-3	-7.405	-9	-17	No	7	0	n/a	n/a	0.02	NP
Dissolved Solids (mg/l)	NE-6	4.878	3	17	No	7	0	n/a	n/a	0.02	NP
Dissolved Solids (mg/l)	CLASSIDRAW	-15.65	0	8	No	4	0	n/a	n/a	0.02	NP
Dissolved Solids (mg/l)	CLASSIVDRAW	-212.1	-4	-8	No	4	0	n/a	n/a	0.02	NP
Dissolved Solids (mg/l)	SP-NE-3	-35.7	-2	-10	No	5	0	n/a	n/a	0.02	NP
Iron (mg/l)	MW-4	-0.00...	-1.822	-2.33	No	45	60	n/a	n/a	0.02	NP
Iron (mg/l)	**CAO-1**	**2.717**	**259**	**138**	**Yes**	**31**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Iron (mg/l)	CAO-2	0	-7	-138	No	31	29.03	n/a	n/a	0.02	NP
Iron (mg/l)	CAO-3	0	-19	-138	No	31	41.94	n/a	n/a	0.02	NP
Iron (mg/l)	LEACHATE	5.377	6	10	No	5	0	n/a	n/a	0.02	NP
Iron (mg/l)	**MW-1**	**0.02549**	**5.501**	**2.33**	**Yes**	**42**	**57.14**	**n/a**	**n/a**	**0.02**	**NP**
Iron (mg/l)	MW-2	0	-0.696	-2.33	No	45	64.44	n/a	n/a	0.02	NP
Iron (mg/l)	MW-3	0.000...	1.727	2.33	No	45	57.78	n/a	n/a	0.02	NP
Iron (mg/l)	MW-5	0.000...	1.804	2.33	No	45	62.22	n/a	n/a	0.02	NP
Iron (mg/l)	MW-509D	0.06004	100	119	No	28	35.71	n/a	n/a	0.02	NP
Iron (mg/l)	MW-577	-0.00...	-6	-106	No	26	11.54	n/a	n/a	0.02	NP
Iron (mg/l)	MW-6	0	0.3141	2.33	No	45	68.89	n/a	n/a	0.02	NP
Iron (mg/l)	MW-633D	0.000...	69	119	No	28	53.57	n/a	n/a	0.02	NP
Iron (mg/l)	MW-689D	0.01834	51	106	No	26	15.38	n/a	n/a	0.02	NP
Iron (mg/l)	MW-7	0	-0.3386	-2.33	No	45	53.33	n/a	n/a	0.02	NP
Iron (mg/l)	NAB-1	0.03857	81	95	No	24	37.5	n/a	n/a	0.02	NP
Iron (mg/l)	NAB-2	0.01581	89	119	No	28	39.29	n/a	n/a	0.02	NP
Iron (mg/l)	**NAB-3**	**0.02894**	**169**	**119**	**Yes**	**28**	**39.29**	**n/a**	**n/a**	**0.02**	**NP**
Iron (mg/l)	NAB-4	0	-17	-112	No	27	51.85	n/a	n/a	0.02	NP
Iron (mg/l)	**NAB-7**	**0.0225**	**144**	**119**	**Yes**	**28**	**42.86**	**n/a**	**n/a**	**0.02**	**NP**
Iron (mg/l)	NAB-8	0	-2	-78	No	21	42.86	n/a	n/a	0.02	NP
Iron (mg/l)	SP-7	-0.2049	-26	-58	No	17	0	n/a	n/a	0.02	NP
Iron (mg/l)	**SPRINGA**	**-0.06327**	**-122**	**-101**	**Yes**	**25**	**12**	**n/a**	**n/a**	**0.02**	**NP**
Iron (mg/l)	SPRINGB	-0.01675	-12	-35	No	12	25	n/a	n/a	0.02	NP
Iron (mg/l)	TSP-1	-0.00...	-1	-27	No	10	0	n/a	n/a	0.02	NP
Iron (mg/l)	TSP-2	0.4662	15	27	No	10	0	n/a	n/a	0.02	NP
Iron (mg/l)	TSP-3	-0.00...	-4	-31	No	11	36.36	n/a	n/a	0.02	NP
Iron (mg/l)	TSP-4	-0.00...	-3	-10	No	5	80	n/a	n/a	0.02	NP
Iron (mg/l)	LFENTRANC...	-1.266	-2	-10	No	5	0	n/a	n/a	0.02	NP
Iron (mg/l)	MW-1R	2.316	1	17	No	7	0	n/a	n/a	0.02	NP
Iron (mg/l)	NE-2	-3.373	-17	-17	No	7	0	n/a	n/a	0.02	NP
Iron (mg/l)	NE-3	-0.4179	-7	-17	No	7	14.29	n/a	n/a	0.02	NP
Iron (mg/l)	NE-6	-0.6163	-11	-17	No	7	57.14	n/a	n/a	0.02	NP
Iron (mg/l)	CLASSIDRAW	-7.537	-2	-8	No	4	0	n/a	n/a	0.02	NP
Iron (mg/l)	CLASSIVDRAW	1.564	2	8	No	4	0	n/a	n/a	0.02	NP
Iron (mg/l)	SP-NE-3	2.1	4	10	No	5	0	n/a	n/a	0.02	NP
Lead (mg/l)	**MW-4**	**-0.00...**	**-4.346**	**-2.33**	**Yes**	**45**	**88.89**	**n/a**	**n/a**	**0.02**	**NP**
Lead (mg/l)	NE-6	-0.00...	-11	-17	No	7	42.86	n/a	n/a	0.02	NP
Lead (mg/l)	CLASSIDRAW	-0.00...	-2	-8	No	4	0	n/a	n/a	0.02	NP
Lead (mg/l)	CLASSIVDRAW	0.004212	2	8	No	4	0	n/a	n/a	0.02	NP

Trend Test

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat Printed 2/2/2016, 2:08 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Lead (mg/l)	SP-NE-3	0.007013	4	10	No	5	0	n/a	n/a	0.02	NP
Manganese (mg/l)	**MW-4**	**-0.00...**	**-6.595**	**-2.33**	**Yes**	**45**	**95.56**	**n/a**	**n/a**	**0.02**	**NP**
Manganese (mg/l)	**CAO-1**	**-0.8444**	**-292**	**-138**	**Yes**	**31**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Manganese (mg/l)	CAO-2	0.01175	62	138	No	31	0	n/a	n/a	0.02	NP
Manganese (mg/l)	CAO-3	-0.00...	-86	-138	No	31	38.71	n/a	n/a	0.02	NP
Manganese (mg/l)	LEACHATE	-0.1262	-4	-10	No	5	0	n/a	n/a	0.02	NP
Manganese (mg/l)	**MW-1**	**0.03526**	**2.482**	**2.33**	**Yes**	**42**	**57.14**	**n/a**	**n/a**	**0.02**	**NP**
Manganese (mg/l)	**MW-2**	**-0.00156**	**-5.68**	**-2.33**	**Yes**	**45**	**68.89**	**n/a**	**n/a**	**0.02**	**NP**
Manganese (mg/l)	MW-3	0	-0.5278	-2.33	No	45	71.11	n/a	n/a	0.02	NP
Manganese (mg/l)	**MW-5**	**-0.00...**	**-6.112**	**-2.33**	**Yes**	**45**	**91.11**	**n/a**	**n/a**	**0.02**	**NP**
Manganese (mg/l)	MW-509D	0.000...	56	119	No	28	50	n/a	n/a	0.02	NP
Manganese (mg/l)	MW-577	0	16	106	No	26	50	n/a	n/a	0.02	NP
Manganese (mg/l)	**MW-6**	**-0.00...**	**-6.693**	**-2.33**	**Yes**	**45**	**91.11**	**n/a**	**n/a**	**0.02**	**NP**
Manganese (mg/l)	MW-633D	0	39	119	No	28	57.14	n/a	n/a	0.02	NP
Manganese (mg/l)	MW-689D	0	7	106	No	26	38.46	n/a	n/a	0.02	NP
Manganese (mg/l)	MW-7	0.004764	2.136	2.33	No	45	37.78	n/a	n/a	0.02	NP
Manganese (mg/l)	**NAB-1**	**0.005251**	**123**	**95**	**Yes**	**24**	**16.67**	**n/a**	**n/a**	**0.02**	**NP**
Manganese (mg/l)	NAB-2	0.000...	43	119	No	28	7.143	n/a	n/a	0.02	NP
Manganese (mg/l)	NAB-3	0.01035	117	119	No	28	28.57	n/a	n/a	0.02	NP
Manganese (mg/l)	NAB-4	0.000...	41	112	No	27	25.93	n/a	n/a	0.02	NP
Manganese (mg/l)	NAB-7	0.000...	105	119	No	28	42.86	n/a	n/a	0.02	NP
Manganese (mg/l)	NAB-8	-0.00...	-67	-78	No	21	38.1	n/a	n/a	0.02	NP
Manganese (mg/l)	SP-7	-0.03896	-23	-58	No	17	0	n/a	n/a	0.02	NP
Manganese (mg/l)	SPRINGA	-0.00...	-27	-101	No	25	0	n/a	n/a	0.02	NP
Manganese (mg/l)	SPRINGB	-0.00366	-5	-35	No	12	8.333	n/a	n/a	0.02	NP
Manganese (mg/l)	TSP-1	0.01111	14	27	No	10	20	n/a	n/a	0.02	NP
Manganese (mg/l)	TSP-2	-0.09898	-3	-27	No	10	0	n/a	n/a	0.02	NP
Mercury (mg/l)	SP-7	0	-58	-58	No	17	88.24	n/a	n/a	0.02	NP
Mercury (mg/l)	SPRINGA	0	-93	-101	No	25	88	n/a	n/a	0.02	NP
Mercury (mg/l)	SPRINGB	-0.00...	-33	-35	No	12	91.67	n/a	n/a	0.02	NP
Mercury (mg/l)	TSP-1	0	-13	-27	No	10	80	n/a	n/a	0.02	NP
Mercury (mg/l)	TSP-2	0	-1	-27	No	10	60	n/a	n/a	0.02	NP
Mercury (mg/l)	TSP-3	-0.00...	-28	-31	No	11	100	n/a	n/a	0.02	NP
Mercury (mg/l)	TSP-4	-0.00...	-6	-10	No	5	100	n/a	n/a	0.02	NP
Mercury (mg/l)	LFENTRANC...	-0.00...	-6	-10	No	5	100	n/a	n/a	0.02	NP
Mercury (mg/l)	MW-1R	-0.00...	-1	-17	No	7	14.29	n/a	n/a	0.02	NP
Mercury (mg/l)	NE-2	-0.00...	-12	-17	No	7	100	n/a	n/a	0.02	NP
Mercury (mg/l)	NE-3	-0.00...	-12	-17	No	7	100	n/a	n/a	0.02	NP
Mercury (mg/l)	NE-6	-0.00...	-12	-17	No	7	100	n/a	n/a	0.02	NP
Mercury (mg/l)	CLASSIDRAW	-0.00...	-3	-8	No	4	100	n/a	n/a	0.02	NP
Mercury (mg/l)	CLASSIVDRAW	-0.00...	-3	-8	No	4	100	n/a	n/a	0.02	NP
Mercury (mg/l)	SP-NE-3	0	-4	-10	No	5	100	n/a	n/a	0.02	NP
Nickel (mg/l)	MW-4	0	1.374	2.33	No	45	95.56	n/a	n/a	0.02	NP
Nickel (mg/l)	**CAO-1**	**-0.00...**	**-231**	**-138**	**Yes**	**31**	**6.452**	**n/a**	**n/a**	**0.02**	**NP**
Nickel (mg/l)	CAO-2	0	-43	-138	No	31	67.74	n/a	n/a	0.02	NP
Nickel (mg/l)	**CAO-3**	**0**	**-169**	**-138**	**Yes**	**31**	**87.1**	**n/a**	**n/a**	**0.02**	**NP**
Nickel (mg/l)	LEACHATE	0.001233	1	10	No	5	0	n/a	n/a	0.02	NP
Nickel (mg/l)	**MW-1**	**0.001389**	**5.936**	**2.33**	**Yes**	**42**	**71.43**	**n/a**	**n/a**	**0.02**	**NP**
Nickel (mg/l)	MW-2	0	1.732	2.33	No	45	95.56	n/a	n/a	0.02	NP
Nickel (mg/l)	**MW-3**	**0.000...**	**3.865**	**2.33**	**Yes**	**45**	**86.67**	**n/a**	**n/a**	**0.02**	**NP**

Trend Test

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat Printed 2/2/2016, 2:08 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Nickel (mg/l)	MW-5	0	0.882	2.33	No	45	93.33	n/a	n/a	0.02	NP
Nickel (mg/l)	MW-509D	0	-25	-119	No	28	78.57	n/a	n/a	0.02	NP
Nickel (mg/l)	MW-577	0	-98	-106	No	26	88.46	n/a	n/a	0.02	NP
Nickel (mg/l)	MW-6	0	1.488	2.33	No	45	93.33	n/a	n/a	0.02	NP
Nickel (mg/l)	MW-633D	0	-90	-119	No	28	89.29	n/a	n/a	0.02	NP
Nickel (mg/l)	**MW-689D**	**0**	**-127**	**-106**	**Yes**	**26**	**76.92**	**n/a**	**n/a**	**0.02**	**NP**
Nickel (mg/l)	MW-7	0	1.918	2.33	No	45	75.56	n/a	n/a	0.02	NP
Nickel (mg/l)	NAB-1	0	21	95	No	24	66.67	n/a	n/a	0.02	NP
Selenium (mg/l)	**MW-577**	**-0.00...**	**-184**	**-106**	**Yes**	**26**	**92.31**	**n/a**	**n/a**	**0.02**	**NP**
Selenium (mg/l)	**MW-6**	**-0.00...**	**-3.706**	**-2.33**	**Yes**	**45**	**93.33**	**n/a**	**n/a**	**0.02**	**NP**
Selenium (mg/l)	**MW-633D**	**-0.00...**	**-214**	**-119**	**Yes**	**28**	**92.86**	**n/a**	**n/a**	**0.02**	**NP**
Selenium (mg/l)	**MW-689D**	**-0.00...**	**-178**	**-106**	**Yes**	**26**	**84.62**	**n/a**	**n/a**	**0.02**	**NP**
Selenium (mg/l)	**MW-7**	**-0.00...**	**-3.772**	**-2.33**	**Yes**	**45**	**91.11**	**n/a**	**n/a**	**0.02**	**NP**
Selenium (mg/l)	**NAB-1**	**-0.00...**	**-115**	**-95**	**Yes**	**24**	**91.67**	**n/a**	**n/a**	**0.02**	**NP**
Selenium (mg/l)	**NAB-2**	**-0.00...**	**-228**	**-119**	**Yes**	**28**	**92.86**	**n/a**	**n/a**	**0.02**	**NP**
Selenium (mg/l)	**NAB-3**	**-0.00...**	**-202**	**-119**	**Yes**	**28**	**100**	**n/a**	**n/a**	**0.02**	**NP**
Selenium (mg/l)	**NAB-4**	**-0.00...**	**-190**	**-112**	**Yes**	**27**	**92.59**	**n/a**	**n/a**	**0.02**	**NP**
Selenium (mg/l)	**NAB-7**	**-0.00...**	**-220**	**-119**	**Yes**	**28**	**92.86**	**n/a**	**n/a**	**0.02**	**NP**
Selenium (mg/l)	**NAB-8**	**-0.00...**	**-136**	**-78**	**Yes**	**21**	**80.95**	**n/a**	**n/a**	**0.02**	**NP**
Selenium (mg/l)	**SP-7**	**-0.00...**	**-70**	**-58**	**Yes**	**17**	**76.47**	**n/a**	**n/a**	**0.02**	**NP**
Selenium (mg/l)	**SPRINGA**	**-0.00...**	**-164**	**-101**	**Yes**	**25**	**96**	**n/a**	**n/a**	**0.02**	**NP**
Selenium (mg/l)	**SPRINGB**	**-0.00...**	**-38**	**-35**	**Yes**	**12**	**75**	**n/a**	**n/a**	**0.02**	**NP**
Selenium (mg/l)	TSP-1	-0.00...	-23	-27	No	10	90	n/a	n/a	0.02	NP
Selenium (mg/l)	TSP-2	0	-13	-27	No	10	90	n/a	n/a	0.02	NP
Selenium (mg/l)	**TSP-3**	**-0.00...**	**-34**	**-31**	**Yes**	**11**	**100**	**n/a**	**n/a**	**0.02**	**NP**
Selenium (mg/l)	TSP-4	-0.00...	-8	-10	No	5	100	n/a	n/a	0.02	NP
Selenium (mg/l)	LFENTRANC...	-0.00...	-5	-10	No	5	100	n/a	n/a	0.02	NP
Selenium (mg/l)	MW-1R	-0.00...	-12	-17	No	7	85.71	n/a	n/a	0.02	NP
Selenium (mg/l)	NE-2	-0.00...	-13	-17	No	7	71.43	n/a	n/a	0.02	NP
Selenium (mg/l)	NE-3	-0.00...	-13	-17	No	7	85.71	n/a	n/a	0.02	NP
Selenium (mg/l)	NE-6	-0.00...	-10	-17	No	7	100	n/a	n/a	0.02	NP
Selenium (mg/l)	CLASSIDRAW	-0.00...	-3	-8	No	4	100	n/a	n/a	0.02	NP
Selenium (mg/l)	CLASSIVDRAW	-0.00...	-3	-8	No	4	100	n/a	n/a	0.02	NP
Selenium (mg/l)	SP-NE-3	0	-4	-10	No	5	100	n/a	n/a	0.02	NP
Silver (mg/l)	**MW-4**	**0**	**-2.757**	**-2.33**	**Yes**	**45**	**95.56**	**n/a**	**n/a**	**0.02**	**NP**
Silver (mg/l)	CAO-1	0	-30	-138	No	31	93.55	n/a	n/a	0.02	NP
Silver (mg/l)	CAO-2	0	-30	-138	No	31	93.55	n/a	n/a	0.02	NP
Silver (mg/l)	CAO-3	0	-33	-138	No	31	100	n/a	n/a	0.02	NP
Silver (mg/l)	SP-NE-3	-0.00...	-8	-10	No	5	100	n/a	n/a	0.02	NP
Sulfate (mg/l)	**MW-4**	**0.3445**	**4.302**	**2.33**	**Yes**	**44**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Sulfate (mg/l)	**CAO-1**	**-2.005**	**-251**	**-132**	**Yes**	**30**	**13.33**	**n/a**	**n/a**	**0.02**	**NP**
Sulfate (mg/l)	CAO-2	-0.7938	-81	-132	No	30	16.67	n/a	n/a	0.02	NP
Sulfate (mg/l)	CAO-3	-1.419	-115	-132	No	30	3.333	n/a	n/a	0.02	NP
Sulfate (mg/l)	LEACHATE	-0.9587	-1	-8	No	4	50	n/a	n/a	0.02	NP
Sulfate (mg/l)	**MW-1**	**0.5592**	**6.273**	**2.33**	**Yes**	**41**	**7.317**	**n/a**	**n/a**	**0.02**	**NP**
Sulfate (mg/l)	MW-2	0.1903	1.573	2.33	No	44	0	n/a	n/a	0.02	NP
Sulfate (mg/l)	**MW-3**	**-0.5805**	**-5.049**	**-2.33**	**Yes**	**44**	**6.818**	**n/a**	**n/a**	**0.02**	**NP**
Sulfate (mg/l)	**MW-5**	**0.2631**	**5.294**	**2.33**	**Yes**	**44**	**4.545**	**n/a**	**n/a**	**0.02**	**NP**
Sulfate (mg/l)	**MW-509D**	**0.5397**	**149**	**112**	**Yes**	**27**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Sulfate (mg/l)	**MW-577**	**-3.371**	**-137**	**-101**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.02**	**NP**

Trend Test

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat Printed 2/2/2016, 2:08 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Sulfate (mg/l)	**MW-6**	**0.2187**	**5.119**	**2.33**	**Yes**	**44**	**13.64**	**n/a**	**n/a**	**0.02**	**NP**
Sulfate (mg/l)	MW-633D	-0.1723	-59	-112	No	27	0	n/a	n/a	0.02	NP
Sulfate (mg/l)	MW-689D	0	21	101	No	25	4	n/a	n/a	0.02	NP
Sulfate (mg/l)	MW-7	0	0.0405	2.33	No	44	2.273	n/a	n/a	0.02	NP
Sulfate (mg/l)	**NAB-1**	**1.931**	**149**	**89**	**Yes**	**23**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Sulfate (mg/l)	**NAB-2**	**-1.096**	**-189**	**-112**	**Yes**	**27**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Sulfate (mg/l)	**NAB-3**	**0.5069**	**130**	**112**	**Yes**	**27**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Sulfate (mg/l)	NAB-4	1.111	61	106	No	26	0	n/a	n/a	0.02	NP
Sulfate (mg/l)	**NAB-7**	**1.325**	**156**	**112**	**Yes**	**27**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Sulfate (mg/l)	NAB-8	-0.2691	-66	-73	No	20	0	n/a	n/a	0.02	NP
Sulfate (mg/l)	SP-7	-0.662	-48	-53	No	16	6.25	n/a	n/a	0.02	NP
Sulfate (mg/l)	SPRINGA	0.7955	49	95	No	24	20.83	n/a	n/a	0.02	NP
Sulfate (mg/l)	SPRINGB	-0.8375	-7	-31	No	11	18.18	n/a	n/a	0.02	NP
Sulfate (mg/l)	TSP-1	2.298	27	27	No	10	0	n/a	n/a	0.02	NP
Sulfate (mg/l)	TSP-2	1.743	10	27	No	10	0	n/a	n/a	0.02	NP
Sulfate (mg/l)	TSP-3	-0.2944	-6	-27	No	10	30	n/a	n/a	0.02	NP
Sulfate (mg/l)	TSP-4	-0.3681	0	8	No	4	0	n/a	n/a	0.02	NP
Sulfate (mg/l)	LFENTRANC...	0.3709	0	8	No	4	50	n/a	n/a	0.02	NP
Sulfate (mg/l)	MW-1R	2.576	9	13	No	6	0	n/a	n/a	0.02	NP
Thallium (mg/l)	TSP-3	-0.00...	-22	-31	No	11	100	n/a	n/a	0.02	NP
Thallium (mg/l)	TSP-4	-0.00...	-4	-10	No	5	100	n/a	n/a	0.02	NP
Thallium (mg/l)	LFENTRANC...	-0.00...	-5	-10	No	5	100	n/a	n/a	0.02	NP
Thallium (mg/l)	MW-1R	-0.00...	-2	-17	No	7	42.86	n/a	n/a	0.02	NP
Thallium (mg/l)	NE-2	-0.00...	-14	-17	No	7	85.71	n/a	n/a	0.02	NP
Thallium (mg/l)	NE-3	-0.00...	-10	-17	No	7	100	n/a	n/a	0.02	NP
Thallium (mg/l)	NE-6	-0.00...	-10	-17	No	7	85.71	n/a	n/a	0.02	NP
Thallium (mg/l)	CLASSIDRAW	-0.00...	-3	-8	No	4	100	n/a	n/a	0.02	NP
Thallium (mg/l)	CLASSIVDRAW	-0.00...	-3	-8	No	4	100	n/a	n/a	0.02	NP
Thallium (mg/l)	SP-NE-3	0	-4	-10	No	5	100	n/a	n/a	0.02	NP
Tin (mg/l)	**MW-4**	**-0.00...**	**-136**	**-89**	**Yes**	**23**	**82.61**	**n/a**	**n/a**	**0.02**	**NP**
Tin (mg/l)	**CAO-1**	**-0.00...**	**-155**	**-89**	**Yes**	**23**	**69.57**	**n/a**	**n/a**	**0.02**	**NP**
Tin (mg/l)	**CAO-2**	**-0.00...**	**-129**	**-89**	**Yes**	**23**	**86.96**	**n/a**	**n/a**	**0.02**	**NP**
Tin (mg/l)	**CAO-3**	**-0.00...**	**-133**	**-89**	**Yes**	**23**	**86.96**	**n/a**	**n/a**	**0.02**	**NP**
Tin (mg/l)	LEACHATE	0.000...	4	10	No	5	0	n/a	n/a	0.02	NP
Tin (mg/l)	**MW-1**	**-0.00...**	**-89**	**-73**	**Yes**	**20**	**85**	**n/a**	**n/a**	**0.02**	**NP**
Tin (mg/l)	**MW-2**	**-0.00...**	**-134**	**-89**	**Yes**	**23**	**91.3**	**n/a**	**n/a**	**0.02**	**NP**
Tin (mg/l)	**MW-3**	**-0.00...**	**-133**	**-89**	**Yes**	**23**	**95.65**	**n/a**	**n/a**	**0.02**	**NP**
Tin (mg/l)	**MW-5**	**-0.00...**	**-134**	**-89**	**Yes**	**23**	**82.61**	**n/a**	**n/a**	**0.02**	**NP**
Tin (mg/l)	**MW-509D**	**-0.00...**	**-155**	**-95**	**Yes**	**24**	**83.33**	**n/a**	**n/a**	**0.02**	**NP**
Tin (mg/l)	**MW-577**	**-0.00...**	**-159**	**-89**	**Yes**	**23**	**78.26**	**n/a**	**n/a**	**0.02**	**NP**
Tin (mg/l)	**MW-6**	**-0.00...**	**-138**	**-89**	**Yes**	**23**	**82.61**	**n/a**	**n/a**	**0.02**	**NP**
Tin (mg/l)	**MW-633D**	**-0.00...**	**-157**	**-95**	**Yes**	**24**	**75**	**n/a**	**n/a**	**0.02**	**NP**
Tin (mg/l)	**MW-689D**	**-0.00...**	**-168**	**-95**	**Yes**	**24**	**75**	**n/a**	**n/a**	**0.02**	**NP**
Tin (mg/l)	**MW-7**	**-0.00...**	**-137**	**-89**	**Yes**	**23**	**95.65**	**n/a**	**n/a**	**0.02**	**NP**
Tin (mg/l)	**NAB-1**	**-0.00145**	**-83**	**-73**	**Yes**	**20**	**80**	**n/a**	**n/a**	**0.02**	**NP**
Tin (mg/l)	**NAB-2**	**-0.00...**	**-159**	**-95**	**Yes**	**24**	**83.33**	**n/a**	**n/a**	**0.02**	**NP**
Tin (mg/l)	**NAB-3**	**-0.00...**	**-161**	**-95**	**Yes**	**24**	**79.17**	**n/a**	**n/a**	**0.02**	**NP**
Tin (mg/l)	**NAB-4**	**-0.00...**	**-132**	**-89**	**Yes**	**23**	**86.96**	**n/a**	**n/a**	**0.02**	**NP**
Tin (mg/l)	**NAB-7**	**-0.00...**	**-165**	**-95**	**Yes**	**24**	**87.5**	**n/a**	**n/a**	**0.02**	**NP**
TOC [Total Organic Carbon] (mg/l)	MW-689D	-0.04212	-34	-106	No	26	23.08	n/a	n/a	0.02	NP

Trend Test

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat Printed 2/2/2016, 2:08 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
TOC [Total Organic Carbon] (mg/l)	MW-7	0	0.1487	2.33	No	45	37.78	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	NAB-1	-0.3208	-60	-95	No	24	8.333	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	**NAB-2**	**-0.1825**	**-121**	**-119**	**Yes**	**28**	**35.71**	**n/a**	**n/a**	**0.02**	**NP**
TOC [Total Organic Carbon] (mg/l)	NAB-3	-0.05558	-36	-119	No	28	17.86	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	NAB-4	-0.03996	-40	-112	No	27	25.93	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	NAB-7	0	12	119	No	28	25	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	NAB-8	0.03982	17	78	No	21	0	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	SP-7	0.07199	6	58	No	17	0	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	SPRINGA	-0.1176	-55	-101	No	25	4	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	SPRINGB	0.5217	26	35	No	12	0	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	TSP-1	-0.8202	-20	-27	No	10	0	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	TSP-2	0.4257	12	27	No	10	10	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	TSP-3	-0.05056	-3	-31	No	11	0	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	TSP-4	-0.05674	-1	-10	No	5	0	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	LFENTRANC...	0.4857	4	10	No	5	0	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	MW-1R	3.047	5	17	No	7	0	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	**NE-2**	**-24.68**	**-20**	**-17**	**Yes**	**7**	**0**	**n/a**	**n/a**	**0.02**	**NP**
TOC [Total Organic Carbon] (mg/l)	NE-3	0.5706	7	17	No	7	14.29	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	NE-6	0.3702	6	17	No	7	42.86	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	CLASSIDRAW	0.4249	0	8	No	4	0	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	CLASSIVDRAW	-2.864	0	8	No	4	0	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	SP-NE-3	0.4543	5	10	No	5	0	n/a	n/a	0.02	NP
Vanadium (mg/l)	**MW-4**	**-0.00...**	**-4.939**	**-2.33**	**Yes**	**45**	**93.33**	**n/a**	**n/a**	**0.02**	**NP**
Vanadium (mg/l)	CAO-1	0	-92	-138	No	31	80.65	n/a	n/a	0.02	NP
Vanadium (mg/l)	CAO-2	0	-87	-138	No	31	83.87	n/a	n/a	0.02	NP
Vanadium (mg/l)	CAO-3	0	-89	-138	No	31	93.55	n/a	n/a	0.02	NP
Vanadium (mg/l)	LEACHATE	0.000...	1	10	No	5	60	n/a	n/a	0.02	NP
Zinc (mg/l)	**MW-4**	**0.005014**	**5.218**	**2.33**	**Yes**	**45**	**22.22**	**n/a**	**n/a**	**0.02**	**NP**
Zinc (mg/l)	**CAO-1**	**-0.1368**	**-340**	**-138**	**Yes**	**31**	**12.9**	**n/a**	**n/a**	**0.02**	**NP**
Zinc (mg/l)	**CAO-2**	**-0.00...**	**-185**	**-138**	**Yes**	**31**	**35.48**	**n/a**	**n/a**	**0.02**	**NP**
Zinc (mg/l)	CAO-3	-0.00244	-106	-138	No	31	25.81	n/a	n/a	0.02	NP
Zinc (mg/l)	LEACHATE	-0.00...	-2	-10	No	5	40	n/a	n/a	0.02	NP
Zinc (mg/l)	**MW-1**	**0.0266**	**4.824**	**2.33**	**Yes**	**42**	**19.05**	**n/a**	**n/a**	**0.02**	**NP**
Zinc (mg/l)	**MW-2**	**-0.00...**	**-3.904**	**-2.33**	**Yes**	**45**	**80**	**n/a**	**n/a**	**0.02**	**NP**
Zinc (mg/l)	**MW-3**	**0.005102**	**4.57**	**2.33**	**Yes**	**45**	**26.67**	**n/a**	**n/a**	**0.02**	**NP**
Zinc (mg/l)	**MW-5**	**0.000...**	**2.543**	**2.33**	**Yes**	**45**	**46.67**	**n/a**	**n/a**	**0.02**	**NP**
Zinc (mg/l)	MW-509D	0.004332	30	119	No	28	0	n/a	n/a	0.02	NP
Zinc (mg/l)	**MW-577**	**-0.00173**	**-163**	**-106**	**Yes**	**26**	**50**	**n/a**	**n/a**	**0.02**	**NP**
Zinc (mg/l)	**MW-6**	**0.001764**	**3.572**	**2.33**	**Yes**	**45**	**33.33**	**n/a**	**n/a**	**0.02**	**NP**
Zinc (mg/l)	MW-633D	0.006416	86	119	No	28	0	n/a	n/a	0.02	NP
Zinc (mg/l)	MW-689D	-0.00...	-59	-106	No	26	34.62	n/a	n/a	0.02	NP
Zinc (mg/l)	MW-7	0	-1.412	-2.33	No	45	62.22	n/a	n/a	0.02	NP
Zinc (mg/l)	**NAB-1**	**0.03116**	**166**	**95**	**Yes**	**24**	**12.5**	**n/a**	**n/a**	**0.02**	**NP**
Zinc (mg/l)	NAB-2	0.001395	63	119	No	28	10.71	n/a	n/a	0.02	NP
Zinc (mg/l)	NAB-3	0.002567	44	119	No	28	0	n/a	n/a	0.02	NP
Zinc (mg/l)	**NAB-4**	**0.0478**	**137**	**112**	**Yes**	**27**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Zinc (mg/l)	**NAB-7**	**0.004464**	**149**	**119**	**Yes**	**28**	**17.86**	**n/a**	**n/a**	**0.02**	**NP**
Zinc (mg/l)	NAB-8	-0.00...	-78	-78	No	21	52.38	n/a	n/a	0.02	NP
Zinc (mg/l)	SP-7	-0.00169	-55	-58	No	17	41.18	n/a	n/a	0.02	NP
Zinc (mg/l)	SPRINGA	0.000...	1	101	No	25	12	n/a	n/a	0.02	NP

Trend Test

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat Printed 2/2/2016, 2:08 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Zinc (mg/l)	SPRINGB	0	0	35	No	12	41.67	n/a	n/a	0.02	NP
Zinc (mg/l)	TSP-1	0.02013	21	27	No	10	10	n/a	n/a	0.02	NP
Zinc (mg/l)	TSP-2	0.006134	5	27	No	10	0	n/a	n/a	0.02	NP
Zinc (mg/l)	TSP-3	-0.00...	-29	-31	No	11	63.64	n/a	n/a	0.02	NP
Zinc (mg/l)	TSP-4	-0.00...	-5	-10	No	5	80	n/a	n/a	0.02	NP
Zinc (mg/l)	LFENTRANC...	0.002573	0	10	No	5	60	n/a	n/a	0.02	NP
Zinc (mg/l)	MW-1R	-0.01931	-1	-17	No	7	0	n/a	n/a	0.02	NP
Zinc (mg/l)	NE-2	0.06978	16	17	No	7	28.57	n/a	n/a	0.02	NP
Lead (mg/l)	**CAO-1**	**-0.00029**	**-173**	**-138**	**Yes**	**31**	**48.39**	**n/a**	**n/a**	**0.02**	**NP**
Lead (mg/l)	**CAO-2**	**-0.00...**	**-141**	**-138**	**Yes**	**31**	**51.61**	**n/a**	**n/a**	**0.02**	**NP**
Lead (mg/l)	**CAO-3**	**-0.00...**	**-164**	**-138**	**Yes**	**31**	**51.61**	**n/a**	**n/a**	**0.02**	**NP**
Lead (mg/l)	LEACHATE	-0.00...	-5	-10	No	5	60	n/a	n/a	0.02	NP
Lead (mg/l)	**MW-1**	**0**	**-2.937**	**-2.33**	**Yes**	**42**	**76.19**	**n/a**	**n/a**	**0.02**	**NP**
Lead (mg/l)	**MW-2**	**0**	**-2.946**	**-2.33**	**Yes**	**45**	**88.89**	**n/a**	**n/a**	**0.02**	**NP**
Lead (mg/l)	**MW-3**	**-0.00...**	**-3.998**	**-2.33**	**Yes**	**45**	**86.67**	**n/a**	**n/a**	**0.02**	**NP**
Lead (mg/l)	**MW-5**	**-0.00...**	**-4.422**	**-2.33**	**Yes**	**45**	**88.89**	**n/a**	**n/a**	**0.02**	**NP**
Lead (mg/l)	MW-509D	0	45	119	No	28	57.14	n/a	n/a	0.02	NP
Lead (mg/l)	**MW-577**	**-0.00...**	**-121**	**-106**	**Yes**	**26**	**50**	**n/a**	**n/a**	**0.02**	**NP**
Lead (mg/l)	**MW-6**	**-0.00...**	**-3.917**	**-2.33**	**Yes**	**45**	**82.22**	**n/a**	**n/a**	**0.02**	**NP**
Lead (mg/l)	**MW-633D**	**-0.00...**	**-152**	**-119**	**Yes**	**28**	**53.57**	**n/a**	**n/a**	**0.02**	**NP**
Lead (mg/l)	MW-689D	0	1	106	No	26	50	n/a	n/a	0.02	NP
Lead (mg/l)	**MW-7**	**-0.00...**	**-4.413**	**-2.33**	**Yes**	**45**	**82.22**	**n/a**	**n/a**	**0.02**	**NP**
Lead (mg/l)	NAB-1	0	6	95	No	24	54.17	n/a	n/a	0.02	NP
Lead (mg/l)	NAB-2	0	4	119	No	28	42.86	n/a	n/a	0.02	NP
Lead (mg/l)	NAB-3	-0.00...	-104	-119	No	28	64.29	n/a	n/a	0.02	NP
Lead (mg/l)	NAB-4	-0.00...	-69	-112	No	27	55.56	n/a	n/a	0.02	NP
Lead (mg/l)	NAB-7	0.000...	64	119	No	28	39.29	n/a	n/a	0.02	NP
Lead (mg/l)	**NAB-8**	**-0.00...**	**-97**	**-78**	**Yes**	**21**	**52.38**	**n/a**	**n/a**	**0.02**	**NP**
Lead (mg/l)	SP-7	-0.00...	-42	-58	No	17	35.29	n/a	n/a	0.02	NP
Lead (mg/l)	**SPRINGA**	**-0.00...**	**-131**	**-101**	**Yes**	**25**	**60**	**n/a**	**n/a**	**0.02**	**NP**
Lead (mg/l)	SPRINGB	-0.00...	-31	-35	No	12	75	n/a	n/a	0.02	NP
Lead (mg/l)	TSP-1	0	-2	-27	No	10	60	n/a	n/a	0.02	NP
Lead (mg/l)	TSP-2	0.002296	18	27	No	10	20	n/a	n/a	0.02	NP
Lead (mg/l)	TSP-3	-0.00...	-26	-31	No	11	54.55	n/a	n/a	0.02	NP
Lead (mg/l)	TSP-4	-0.00...	-5	-10	No	5	80	n/a	n/a	0.02	NP
Lead (mg/l)	LFENTRANC...	0.003	4	10	No	5	20	n/a	n/a	0.02	NP
Lead (mg/l)	MW-1R	-0.00014	-4	-17	No	7	42.86	n/a	n/a	0.02	NP
Lead (mg/l)	NE-2	-0.00...	-8	-17	No	7	42.86	n/a	n/a	0.02	NP
Lead (mg/l)	NE-3	-0.00...	-5	-17	No	7	14.29	n/a	n/a	0.02	NP
Manganese (mg/l)	TSP-3	-0.00...	-3	-31	No	11	18.18	n/a	n/a	0.02	NP
Manganese (mg/l)	TSP-4	-0.00...	-5	-10	No	5	80	n/a	n/a	0.02	NP
Manganese (mg/l)	LFENTRANC...	-0.4423	-2	-10	No	5	0	n/a	n/a	0.02	NP
Manganese (mg/l)	MW-1R	-0.2858	-17	-17	No	7	0	n/a	n/a	0.02	NP
Manganese (mg/l)	NE-2	-0.00...	-9	-17	No	7	0	n/a	n/a	0.02	NP
Manganese (mg/l)	NE-3	-0.00...	-5	-17	No	7	0	n/a	n/a	0.02	NP
Manganese (mg/l)	NE-6	-0.00...	-16	-17	No	7	42.86	n/a	n/a	0.02	NP
Manganese (mg/l)	CLASSIDRAW	-0.3393	-3	-8	No	4	0	n/a	n/a	0.02	NP
Manganese (mg/l)	CLASSIVDRAW	0.8219	2	8	No	4	0	n/a	n/a	0.02	NP
Manganese (mg/l)	SP-NE-3	0.0102	2	10	No	5	0	n/a	n/a	0.02	NP
Mercury (mg/l)	**MW-4**	**-0.00...**	**-191**	**-112**	**Yes**	**27**	**66.67**	**n/a**	**n/a**	**0.02**	**NP**

Trend Test

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat Printed 2/2/2016, 2:08 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Mercury (mg/l)	CAO-1	0	-108	-112	No	27	96.3	n/a	n/a	0.02	NP
Mercury (mg/l)	CAO-2	0	-95	-112	No	27	88.89	n/a	n/a	0.02	NP
Mercury (mg/l)	CAO-3	0	-92	-112	No	27	100	n/a	n/a	0.02	NP
Mercury (mg/l)	LEACHATE	-0.00...	-7	-10	No	5	80	n/a	n/a	0.02	NP
Mercury (mg/l)	MW-1	0	36	95	No	24	58.33	n/a	n/a	0.02	NP
Mercury (mg/l)	MW-2	0	-111	-112	No	27	92.59	n/a	n/a	0.02	NP
Mercury (mg/l)	MW-3	0	-108	-112	No	27	96.3	n/a	n/a	0.02	NP
Mercury (mg/l)	**MW-5**	**-0.00...**	**-183**	**-112**	**Yes**	**27**	**70.37**	**n/a**	**n/a**	**0.02**	**NP**
Mercury (mg/l)	MW-509D	0	-88	-112	No	27	81.48	n/a	n/a	0.02	NP
Mercury (mg/l)	MW-577	0	-91	-106	No	26	92.31	n/a	n/a	0.02	NP
Mercury (mg/l)	MW-6	0	-35	-112	No	27	62.96	n/a	n/a	0.02	NP
Mercury (mg/l)	MW-633D	0	-59	-112	No	27	92.59	n/a	n/a	0.02	NP
Mercury (mg/l)	**MW-689D**	**0**	**-109**	**-106**	**Yes**	**26**	**84.62**	**n/a**	**n/a**	**0.02**	**NP**
Mercury (mg/l)	MW-7	0	-111	-112	No	27	92.59	n/a	n/a	0.02	NP
Mercury (mg/l)	NAB-1	0	-17	-89	No	23	91.3	n/a	n/a	0.02	NP
Mercury (mg/l)	NAB-2	0	-110	-112	No	27	92.59	n/a	n/a	0.02	NP
Mercury (mg/l)	NAB-3	-0.00...	-100	-112	No	27	66.67	n/a	n/a	0.02	NP
Mercury (mg/l)	NAB-4	0	-99	-106	No	26	92.31	n/a	n/a	0.02	NP
Mercury (mg/l)	NAB-7	0	-111	-112	No	27	92.59	n/a	n/a	0.02	NP
Mercury (mg/l)	NAB-8	0	-61	-73	No	20	95	n/a	n/a	0.02	NP
Nickel (mg/l)	NAB-2	0	-93	-119	No	28	82.14	n/a	n/a	0.02	NP
Nickel (mg/l)	NAB-3	0	-66	-119	No	28	85.71	n/a	n/a	0.02	NP
Nickel (mg/l)	NAB-4	0	16	112	No	27	51.85	n/a	n/a	0.02	NP
Nickel (mg/l)	**NAB-7**	**-0.00...**	**-125**	**-119**	**Yes**	**28**	**64.29**	**n/a**	**n/a**	**0.02**	**NP**
Nickel (mg/l)	NAB-8	-0.00...	-72	-78	No	21	76.19	n/a	n/a	0.02	NP
Nickel (mg/l)	**SP-7**	**0**	**-63**	**-58**	**Yes**	**17**	**82.35**	**n/a**	**n/a**	**0.02**	**NP**
Nickel (mg/l)	**SPRINGA**	**0**	**-102**	**-101**	**Yes**	**25**	**96**	**n/a**	**n/a**	**0.02**	**NP**
Nickel (mg/l)	SPRINGB	-0.00...	-32	-35	No	12	75	n/a	n/a	0.02	NP
Nickel (mg/l)	TSP-1	0	0	27	No	10	100	n/a	n/a	0.02	NP
Nickel (mg/l)	TSP-2	0	0	27	No	10	70	n/a	n/a	0.02	NP
Nickel (mg/l)	TSP-3	-0.00...	-29	-31	No	11	90.91	n/a	n/a	0.02	NP
Nickel (mg/l)	TSP-4	-0.00...	-7	-10	No	5	100	n/a	n/a	0.02	NP
Nickel (mg/l)	LFENTRANC...	-0.00...	-5	-10	No	5	80	n/a	n/a	0.02	NP
Nickel (mg/l)	MW-1R	-0.01191	-10	-17	No	7	0	n/a	n/a	0.02	NP
Nickel (mg/l)	NE-2	0.000...	4	17	No	7	28.57	n/a	n/a	0.02	NP
Nickel (mg/l)	NE-3	-0.00...	-6	-17	No	7	42.86	n/a	n/a	0.02	NP
Nickel (mg/l)	NE-6	-0.00155	-7	-17	No	7	71.43	n/a	n/a	0.02	NP
Nickel (mg/l)	CLASSIDRAW	-0.00...	0	8	No	4	25	n/a	n/a	0.02	NP
Nickel (mg/l)	CLASSIVDRAW	-0.00765	-4	-8	No	4	75	n/a	n/a	0.02	NP
Nickel (mg/l)	SP-NE-3	-0.00...	-3	-10	No	5	80	n/a	n/a	0.02	NP
Selenium (mg/l)	**MW-4**	**-0.00...**	**-3.868**	**-2.33**	**Yes**	**45**	**93.33**	**n/a**	**n/a**	**0.02**	**NP**
Selenium (mg/l)	**CAO-1**	**-0.00...**	**-246**	**-138**	**Yes**	**31**	**58.06**	**n/a**	**n/a**	**0.02**	**NP**
Selenium (mg/l)	**CAO-2**	**-0.00...**	**-239**	**-138**	**Yes**	**31**	**83.87**	**n/a**	**n/a**	**0.02**	**NP**
Selenium (mg/l)	**CAO-3**	**-0.00...**	**-229**	**-138**	**Yes**	**31**	**90.32**	**n/a**	**n/a**	**0.02**	**NP**
Selenium (mg/l)	LEACHATE	-0.00...	-1	-10	No	5	20	n/a	n/a	0.02	NP
Selenium (mg/l)	**MW-1**	**-0.00...**	**-2.48**	**-2.33**	**Yes**	**42**	**76.19**	**n/a**	**n/a**	**0.02**	**NP**
Selenium (mg/l)	**MW-2**	**-0.00...**	**-3.528**	**-2.33**	**Yes**	**45**	**91.11**	**n/a**	**n/a**	**0.02**	**NP**
Selenium (mg/l)	**MW-3**	**-0.00...**	**-3.803**	**-2.33**	**Yes**	**45**	**97.78**	**n/a**	**n/a**	**0.02**	**NP**
Selenium (mg/l)	**MW-5**	**-0.00...**	**-3.625**	**-2.33**	**Yes**	**45**	**93.33**	**n/a**	**n/a**	**0.02**	**NP**
Selenium (mg/l)	**MW-509D**	**-0.00...**	**-206**	**-119**	**Yes**	**28**	**78.57**	**n/a**	**n/a**	**0.02**	**NP**

Trend Test

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat Printed 2/2/2016, 2:08 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Silver (mg/l)	LEACHATE	0	-4	-10	No	5	100	n/a	n/a	0.02	NP
Silver (mg/l)	MW-1	0	-0.4652	-2.33	No	42	95.24	n/a	n/a	0.02	NP
Silver (mg/l)	**MW-2**	**0**	**-2.629**	**-2.33**	**Yes**	**45**	**95.56**	**n/a**	**n/a**	**0.02**	**NP**
Silver (mg/l)	MW-3	0	-2.196	-2.33	No	45	97.78	n/a	n/a	0.02	NP
Silver (mg/l)	MW-5	0	-1.701	-2.33	No	45	93.33	n/a	n/a	0.02	NP
Silver (mg/l)	MW-509D	0	-85	-119	No	28	96.43	n/a	n/a	0.02	NP
Silver (mg/l)	MW-577	0	-87	-106	No	26	92.31	n/a	n/a	0.02	NP
Silver (mg/l)	**MW-6**	**0**	**-2.376**	**-2.33**	**Yes**	**45**	**93.33**	**n/a**	**n/a**	**0.02**	**NP**
Silver (mg/l)	**MW-633D**	**0**	**-128**	**-119**	**Yes**	**28**	**89.29**	**n/a**	**n/a**	**0.02**	**NP**
Silver (mg/l)	MW-689D	0	-101	-106	No	26	96.15	n/a	n/a	0.02	NP
Silver (mg/l)	MW-7	0	-1.898	-2.33	No	45	95.56	n/a	n/a	0.02	NP
Silver (mg/l)	NAB-1	0	-17	-95	No	24	91.67	n/a	n/a	0.02	NP
Silver (mg/l)	NAB-2	0	-95	-119	No	28	96.43	n/a	n/a	0.02	NP
Silver (mg/l)	NAB-3	0	-102	-119	No	28	89.29	n/a	n/a	0.02	NP
Silver (mg/l)	**NAB-4**	**0**	**-128**	**-112**	**Yes**	**27**	**85.19**	**n/a**	**n/a**	**0.02**	**NP**
Silver (mg/l)	NAB-7	0	-105	-119	No	28	96.43	n/a	n/a	0.02	NP
Silver (mg/l)	NAB-8	0	-74	-78	No	21	95.24	n/a	n/a	0.02	NP
Silver (mg/l)	**SP-7**	**-0.00...**	**-73**	**-58**	**Yes**	**17**	**82.35**	**n/a**	**n/a**	**0.02**	**NP**
Silver (mg/l)	SPRINGA	0	-90	-101	No	25	96	n/a	n/a	0.02	NP
Silver (mg/l)	**SPRINGB**	**-0.00...**	**-39**	**-35**	**Yes**	**12**	**91.67**	**n/a**	**n/a**	**0.02**	**NP**
Silver (mg/l)	TSP-1	0	-5	-27	No	10	90	n/a	n/a	0.02	NP
Silver (mg/l)	TSP-2	0	-1	-27	No	10	90	n/a	n/a	0.02	NP
Silver (mg/l)	**TSP-3**	**-0.00...**	**-32**	**-31**	**Yes**	**11**	**100**	**n/a**	**n/a**	**0.02**	**NP**
Silver (mg/l)	TSP-4	-0.00...	-7	-10	No	5	100	n/a	n/a	0.02	NP
Silver (mg/l)	LFENTRANC...	-0.00195	-8	-10	No	5	100	n/a	n/a	0.02	NP
Silver (mg/l)	MW-1R	-0.00...	-16	-17	No	7	100	n/a	n/a	0.02	NP
Silver (mg/l)	NE-2	-0.00...	-16	-17	No	7	100	n/a	n/a	0.02	NP
Silver (mg/l)	NE-3	-0.00...	-16	-17	No	7	100	n/a	n/a	0.02	NP
Silver (mg/l)	NE-6	-0.00...	-16	-17	No	7	100	n/a	n/a	0.02	NP
Silver (mg/l)	CLASSIDRAW	-0.00...	-5	-8	No	4	100	n/a	n/a	0.02	NP
Silver (mg/l)	CLASSIVDRAW	-0.00...	-5	-8	No	4	100	n/a	n/a	0.02	NP
Sulfate (mg/l)	**NE-2**	**-327.4**	**-14**	**-13**	**Yes**	**6**	**0**	**n/a**	**n/a**	**0.02**	**NP**
Sulfate (mg/l)	NE-3	-4.406	-9	-13	No	6	0	n/a	n/a	0.02	NP
Sulfate (mg/l)	NE-6	-0.6565	-3	-13	No	6	0	n/a	n/a	0.02	NP
Sulfate (mg/l)	CLASSIDRAW	12.17	NaN	NaN	No	3	66.67	n/a	n/a	NaN	NP
Sulfate (mg/l)	CLASSIVDRAW	-21.63	NaN	NaN	No	3	0	n/a	n/a	NaN	NP
Sulfate (mg/l)	SP-NE-3	3.631	0	8	No	4	25	n/a	n/a	0.02	NP
Thallium (mg/l)	**MW-4**	**0**	**-2.48**	**-2.33**	**Yes**	**45**	**100**	**n/a**	**n/a**	**0.02**	**NP**
Thallium (mg/l)	**CAO-1**	**0**	**-171**	**-138**	**Yes**	**31**	**96.77**	**n/a**	**n/a**	**0.02**	**NP**
Thallium (mg/l)	**CAO-2**	**-0.00...**	**-213**	**-138**	**Yes**	**31**	**80.65**	**n/a**	**n/a**	**0.02**	**NP**
Thallium (mg/l)	CAO-3	0	-130	-138	No	31	100	n/a	n/a	0.02	NP
Thallium (mg/l)	LEACHATE	0	-1	-10	No	5	100	n/a	n/a	0.02	NP
Thallium (mg/l)	MW-1	0	-1.589	-2.33	No	42	88.1	n/a	n/a	0.02	NP
Thallium (mg/l)	**MW-2**	**0**	**-2.893**	**-2.33**	**Yes**	**45**	**97.78**	**n/a**	**n/a**	**0.02**	**NP**
Thallium (mg/l)	**MW-3**	**0**	**-4.013**	**-2.33**	**Yes**	**45**	**95.56**	**n/a**	**n/a**	**0.02**	**NP**
Thallium (mg/l)	**MW-5**	**0**	**-2.567**	**-2.33**	**Yes**	**45**	**97.78**	**n/a**	**n/a**	**0.02**	**NP**
Thallium (mg/l)	MW-509D	0	-60	-119	No	28	89.29	n/a	n/a	0.02	NP
Thallium (mg/l)	MW-577	0	-67	-106	No	26	100	n/a	n/a	0.02	NP
Thallium (mg/l)	**MW-6**	**0**	**-2.893**	**-2.33**	**Yes**	**45**	**97.78**	**n/a**	**n/a**	**0.02**	**NP**
Thallium (mg/l)	MW-633D	0	-119	-119	No	28	96.43	n/a	n/a	0.02	NP

Trend Test

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat Printed 2/2/2016, 2:08 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Thallium (mg/l)	MW-689D	0	-84	-106	No	26	92.31	n/a	n/a	0.02	NP
Thallium (mg/l)	**MW-7**	**0**	**-2.893**	**-2.33**	**Yes**	**45**	**97.78**	**n/a**	**n/a**	**0.02**	**NP**
Thallium (mg/l)	NAB-1	0	23	95	No	24	100	n/a	n/a	0.02	NP
Thallium (mg/l)	NAB-2	0	-73	-119	No	28	100	n/a	n/a	0.02	NP
Thallium (mg/l)	NAB-3	0	-73	-119	No	28	100	n/a	n/a	0.02	NP
Thallium (mg/l)	**NAB-4**	**0**	**-125**	**-112**	**Yes**	**27**	**77.78**	**n/a**	**n/a**	**0.02**	**NP**
Thallium (mg/l)	NAB-7	0	-73	-119	No	28	100	n/a	n/a	0.02	NP
Thallium (mg/l)	NAB-8	0	-47	-78	No	21	95.24	n/a	n/a	0.02	NP
Thallium (mg/l)	SP-7	0	-40	-58	No	17	100	n/a	n/a	0.02	NP
Thallium (mg/l)	SPRINGA	0	-61	-101	No	25	100	n/a	n/a	0.02	NP
Thallium (mg/l)	SPRINGB	0	-25	-35	No	12	100	n/a	n/a	0.02	NP
Thallium (mg/l)	TSP-1	0	0	27	No	10	100	n/a	n/a	0.02	NP
Thallium (mg/l)	TSP-2	0	0	27	No	10	100	n/a	n/a	0.02	NP
Tin (mg/l)	**NAB-8**	**-0.00...**	**-98**	**-58**	**Yes**	**17**	**76.47**	**n/a**	**n/a**	**0.02**	**NP**
Tin (mg/l)	**SP-7**	**-0.00...**	**-70**	**-48**	**Yes**	**15**	**93.33**	**n/a**	**n/a**	**0.02**	**NP**
Tin (mg/l)	**SPRINGA**	**-0.00...**	**-142**	**-84**	**Yes**	**22**	**90.91**	**n/a**	**n/a**	**0.02**	**NP**
Tin (mg/l)	**SPRINGB**	**-0.00...**	**-45**	**-31**	**Yes**	**11**	**81.82**	**n/a**	**n/a**	**0.02**	**NP**
Tin (mg/l)	TSP-1	-0.00...	-15	-20	No	8	100	n/a	n/a	0.02	NP
Tin (mg/l)	TSP-2	0	0	23	No	9	88.89	n/a	n/a	0.02	NP
Tin (mg/l)	**TSP-3**	**-0.00...**	**-33**	**-27**	**Yes**	**10**	**90**	**n/a**	**n/a**	**0.02**	**NP**
Tin (mg/l)	TSP-4	-0.00...	-5	-8	No	4	75	n/a	n/a	0.02	NP
Tin (mg/l)	LFENTRANC...	-0.00...	-5	-10	No	5	80	n/a	n/a	0.02	NP
Tin (mg/l)	MW-1R	-0.00...	-15	-17	No	7	71.43	n/a	n/a	0.02	NP
Tin (mg/l)	NE-2	-0.00...	-10	-17	No	7	85.71	n/a	n/a	0.02	NP
Tin (mg/l)	NE-3	-0.00119	-13	-17	No	7	57.14	n/a	n/a	0.02	NP
Tin (mg/l)	NE-6	-0.00...	-14	-17	No	7	85.71	n/a	n/a	0.02	NP
Tin (mg/l)	CLASSIDRAW	-0.00017	-3	-8	No	4	75	n/a	n/a	0.02	NP
Tin (mg/l)	CLASSIVDRAW	-0.0001	-3	-8	No	4	75	n/a	n/a	0.02	NP
Tin (mg/l)	SP-NE-3	0	-4	-10	No	5	80	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	MW-4	0	1.055	2.33	No	45	51.11	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	**CAO-1**	**0.6588**	**148**	**138**	**Yes**	**31**	**0**	**n/a**	**n/a**	**0.02**	**NP**
TOC [Total Organic Carbon] (mg/l)	CAO-2	-0.01655	-12	-138	No	31	0	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	CAO-3	-0.2026	-125	-138	No	31	16.13	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	LEACHATE	-5.506	-4	-10	No	5	0	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	**MW-1**	**0.551**	**5.021**	**2.33**	**Yes**	**42**	**35.71**	**n/a**	**n/a**	**0.02**	**NP**
TOC [Total Organic Carbon] (mg/l)	MW-2	0.03913	1.418	2.33	No	45	40	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	MW-3	0.05766	1.99	2.33	No	45	35.56	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	MW-5	0	-0.1223	-2.33	No	45	51.11	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	MW-509D	0	8	119	No	28	21.43	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	MW-577	0	-8	-106	No	26	30.77	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	MW-6	0.0197	0.9927	2.33	No	45	28.89	n/a	n/a	0.02	NP
TOC [Total Organic Carbon] (mg/l)	MW-633D	0	9	119	No	28	17.86	n/a	n/a	0.02	NP
Vanadium (mg/l)	**MW-1**	**0**	**-3.529**	**-2.33**	**Yes**	**42**	**92.86**	**n/a**	**n/a**	**0.02**	**NP**
Vanadium (mg/l)	**MW-2**	**-0.00...**	**-5.066**	**-2.33**	**Yes**	**45**	**80**	**n/a**	**n/a**	**0.02**	**NP**
Vanadium (mg/l)	**MW-3**	**-0.00...**	**-4.774**	**-2.33**	**Yes**	**45**	**91.11**	**n/a**	**n/a**	**0.02**	**NP**
Vanadium (mg/l)	**MW-5**	**-0.00...**	**-5.35**	**-2.33**	**Yes**	**45**	**93.33**	**n/a**	**n/a**	**0.02**	**NP**
Vanadium (mg/l)	MW-509D	0	49	119	No	28	64.29	n/a	n/a	0.02	NP
Vanadium (mg/l)	MW-577	0	-68	-106	No	26	88.46	n/a	n/a	0.02	NP
Vanadium (mg/l)	**MW-6**	**-0.00...**	**-5.207**	**-2.33**	**Yes**	**45**	**95.56**	**n/a**	**n/a**	**0.02**	**NP**
Vanadium (mg/l)	MW-633D	0	-106	-119	No	28	92.86	n/a	n/a	0.02	NP

Trend Test

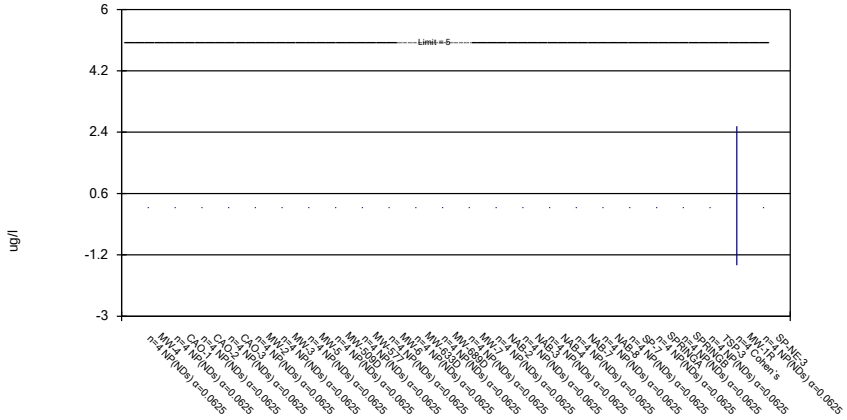
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat Printed 2/2/2016, 2:08 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Vanadium (mg/l)	MW-689D	0	-15	-106	No	26	69.23	n/a	n/a	0.02	NP
Vanadium (mg/l)	**MW-7**	**-0.00...**	**-5.045**	**-2.33**	**Yes**	**45**	**93.33**	**n/a**	**n/a**	**0.02**	**NP**
Vanadium (mg/l)	NAB-1	0	54	95	No	24	87.5	n/a	n/a	0.02	NP
Vanadium (mg/l)	NAB-2	0	-42	-119	No	28	89.29	n/a	n/a	0.02	NP
Vanadium (mg/l)	NAB-3	0	-60	-119	No	28	85.71	n/a	n/a	0.02	NP
Vanadium (mg/l)	NAB-4	0	-53	-112	No	27	92.59	n/a	n/a	0.02	NP
Vanadium (mg/l)	NAB-7	0	-54	-119	No	28	92.86	n/a	n/a	0.02	NP
Vanadium (mg/l)	NAB-8	0	-54	-78	No	21	85.71	n/a	n/a	0.02	NP
Vanadium (mg/l)	SP-7	-0.00...	-53	-58	No	17	88.24	n/a	n/a	0.02	NP
Vanadium (mg/l)	SPRINGA	0	-86	-101	No	25	88	n/a	n/a	0.02	NP
Vanadium (mg/l)	**SPRINGB**	**-0.00...**	**-36**	**-35**	**Yes**	**12**	**83.33**	**n/a**	**n/a**	**0.02**	**NP**
Vanadium (mg/l)	TSP-1	0	-9	-27	No	10	90	n/a	n/a	0.02	NP
Vanadium (mg/l)	TSP-2	0	4	27	No	10	60	n/a	n/a	0.02	NP
Vanadium (mg/l)	TSP-3	-0.00...	-27	-31	No	11	90.91	n/a	n/a	0.02	NP
Vanadium (mg/l)	TSP-4	-0.00...	-5	-10	No	5	100	n/a	n/a	0.02	NP
Vanadium (mg/l)	LFENTRANC...	-0.00...	-2	-10	No	5	60	n/a	n/a	0.02	NP
Vanadium (mg/l)	MW-1R	-0.00...	-17	-17	No	7	85.71	n/a	n/a	0.02	NP
Vanadium (mg/l)	NE-2	-0.00...	-14	-17	No	7	85.71	n/a	n/a	0.02	NP
Vanadium (mg/l)	NE-3	-0.00...	-17	-17	No	7	85.71	n/a	n/a	0.02	NP
Vanadium (mg/l)	NE-6	-0.00...	-14	-17	No	7	100	n/a	n/a	0.02	NP
Vanadium (mg/l)	CLASSIDRAW	-0.00...	-5	-8	No	4	75	n/a	n/a	0.02	NP
Vanadium (mg/l)	CLASSIVDRAW	-0.00...	-5	-8	No	4	100	n/a	n/a	0.02	NP
Vanadium (mg/l)	SP-NE-3	-0.00...	-3	-10	No	5	80	n/a	n/a	0.02	NP
Zinc (mg/l)	NE-3	-0.01131	-5	-17	No	7	0	n/a	n/a	0.02	NP
Zinc (mg/l)	NE-6	-0.02607	-5	-17	No	7	0	n/a	n/a	0.02	NP
Zinc (mg/l)	CLASSIDRAW	0.007213	0	8	No	4	50	n/a	n/a	0.02	NP
Zinc (mg/l)	CLASSIVDRAW	0.01292	0	8	No	4	25	n/a	n/a	0.02	NP
Zinc (mg/l)	SP-NE-3	0.01768	0	10	No	5	40	n/a	n/a	0.02	NP

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

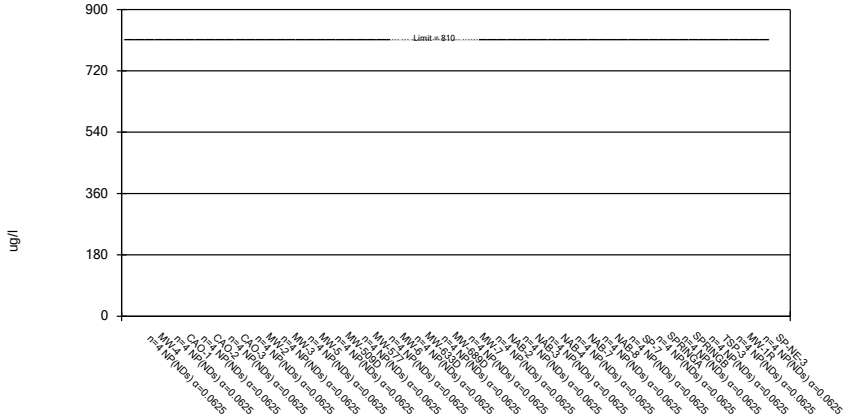


Constituent: Trichloroethene Analysis Run 2/19/2016 10:30 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Non-Parametric Confidence Interval

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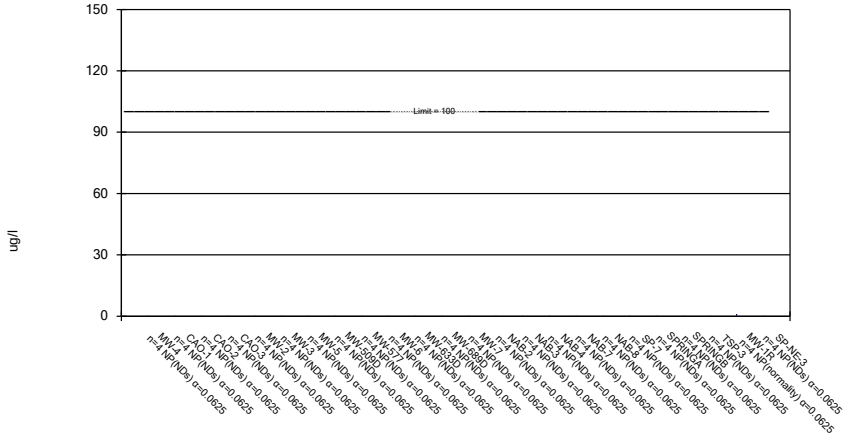


Constituent: Carbon disulfide Analysis Run 2/19/2016 10:29 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

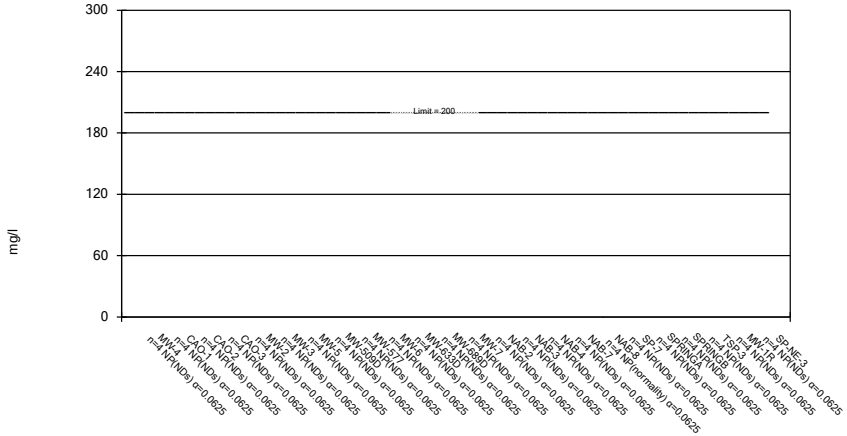


Constituent: Chlorobenzene Analysis Run 2/19/2016 10:29 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

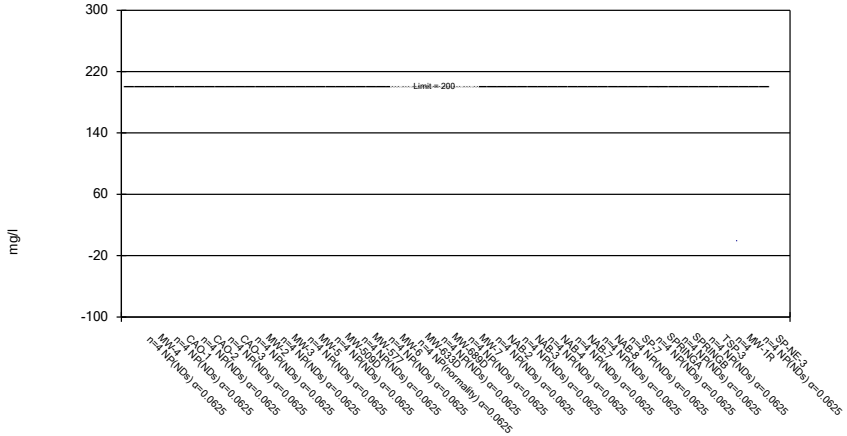


Constituent: Cyanide Analysis Run 2/19/2016 10:29 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



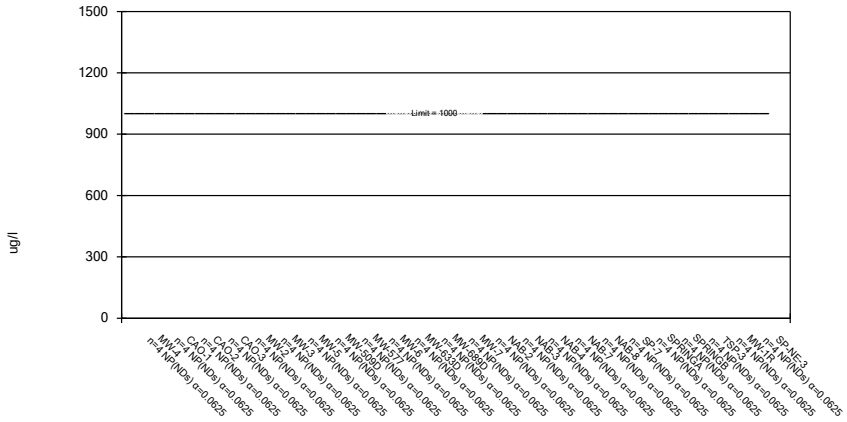
Constituent: Mercury Analysis Run 2/19/2016 10:29 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



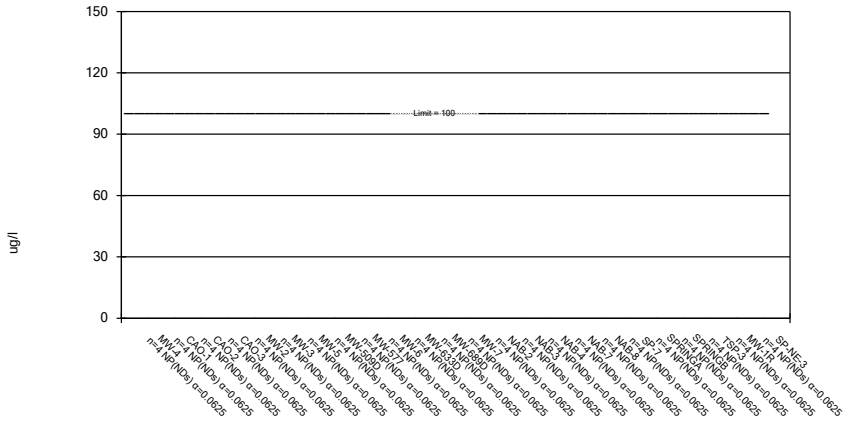
Constituent: Toluene Analysis Run 2/19/2016 10:27 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Non-Parametric Confidence Interval

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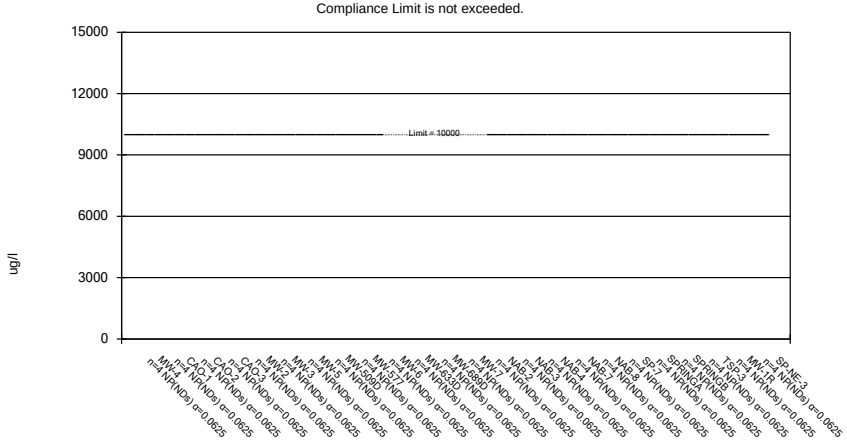
Constituent: trans-1,2-Dichloroethene Analysis Run 2/19/2016 10:27 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



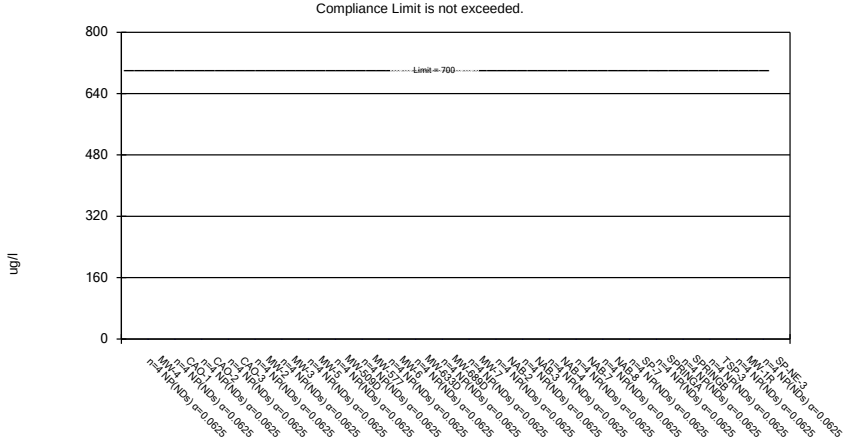
Constituent: Xylenes, Total Analysis Run 2/19/2016 10:27 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Non-Parametric Confidence Interval

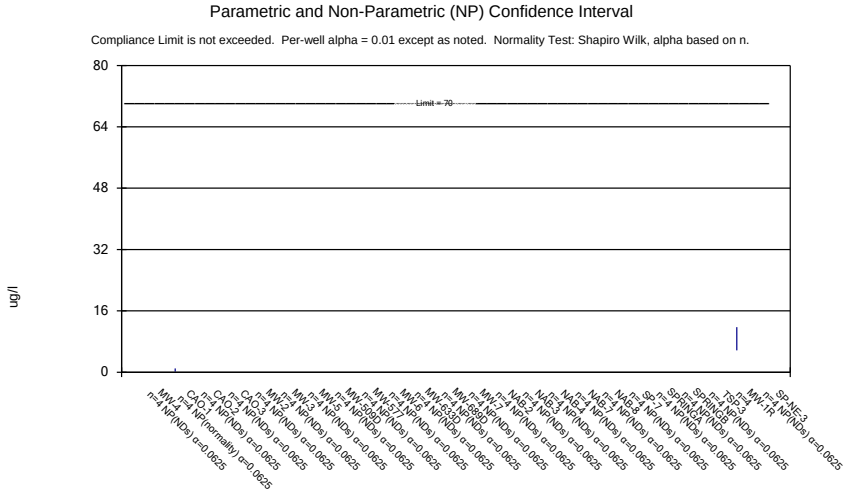
Compliance Limit is not exceeded.



Constituent: Ethylbenzene Analysis Run 2/19/2016 10:28 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

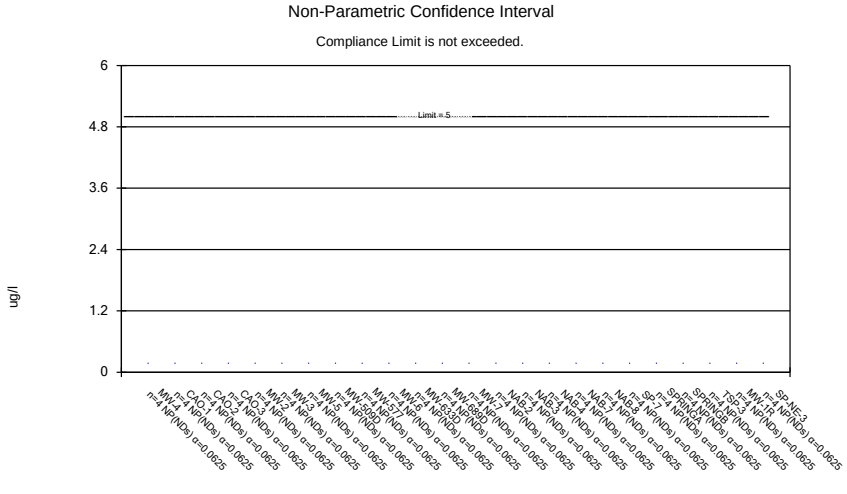
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Constituent: cis-1,2-Dichloroethene Analysis Run 2/19/2016 10:25 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

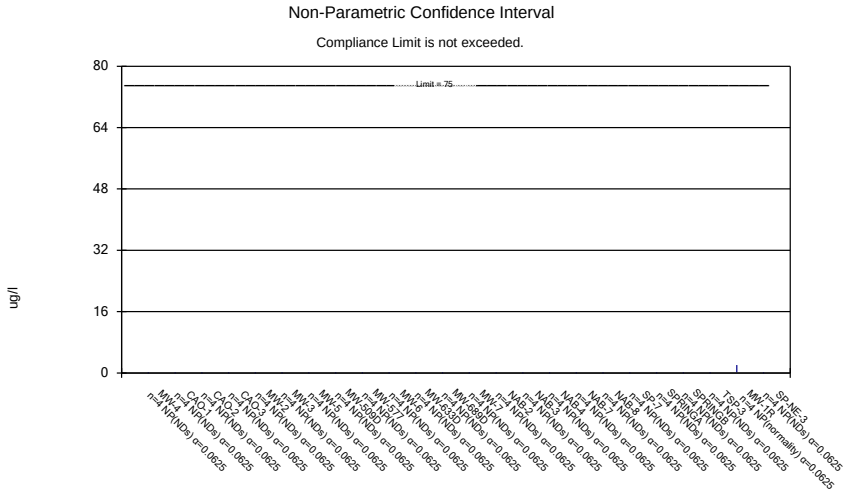
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Constituent: Tetrachloroethene Analysis Run 2/19/2016 10:25 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

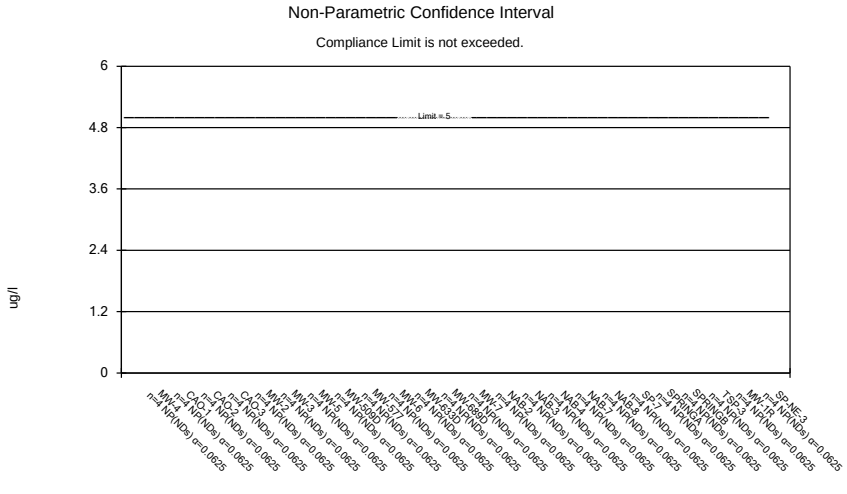
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Constituent: 1,4-Dichlorobenzene Analysis Run 2/19/2016 10:26 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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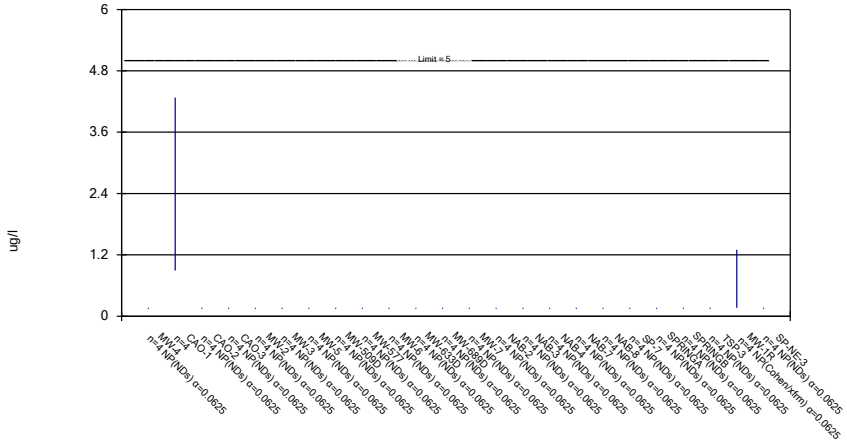
Constituent: Methylene Chloride Analysis Run 2/19/2016 10:26 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



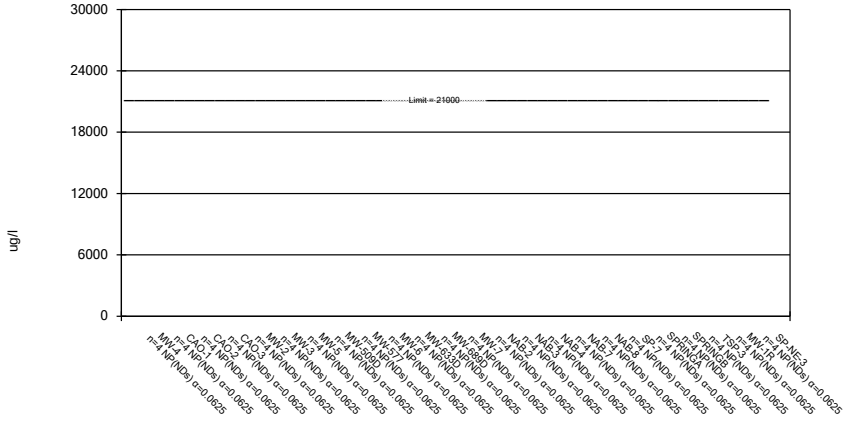
Constituent: Benzene Analysis Run 2/19/2016 10:23 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



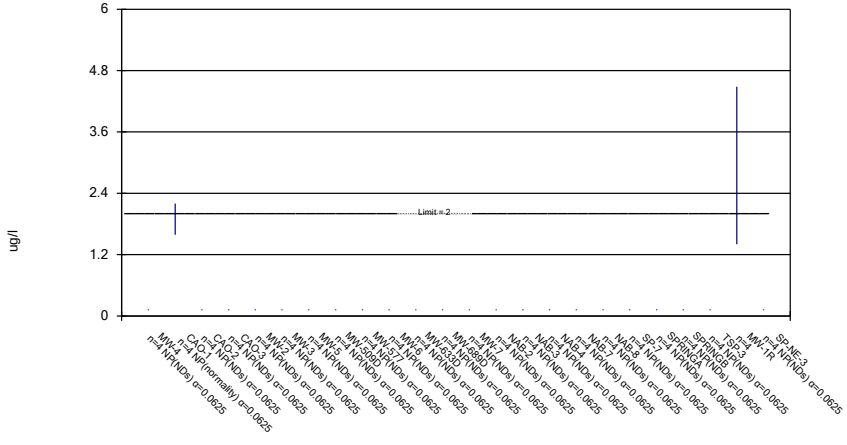
Constituent: Chloroethane Analysis Run 2/19/2016 10:23 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



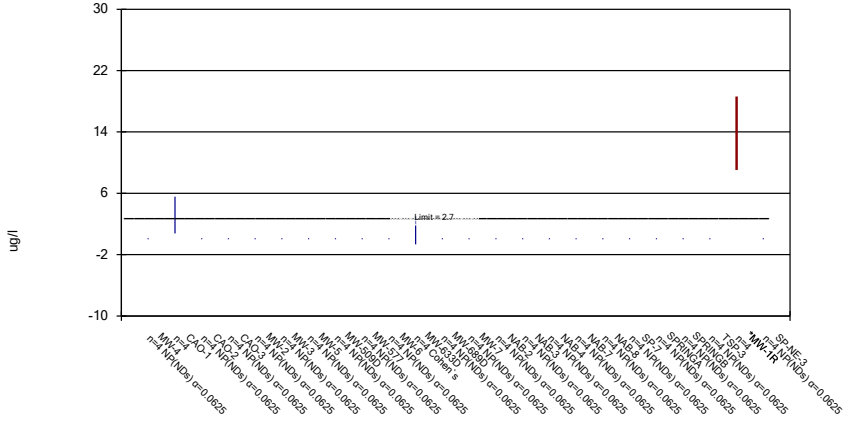
Constituent: Vinyl chloride Analysis Run 2/19/2016 10:24 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



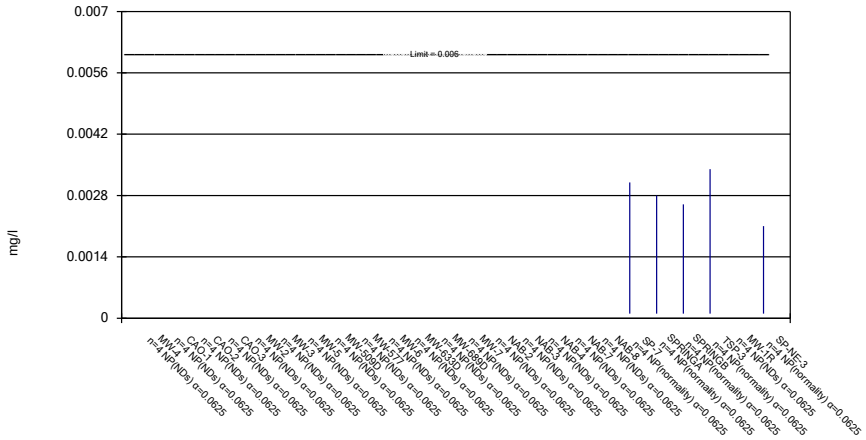
Constituent: 1,1-Dichloroethane Analysis Run 2/19/2016 10:24 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



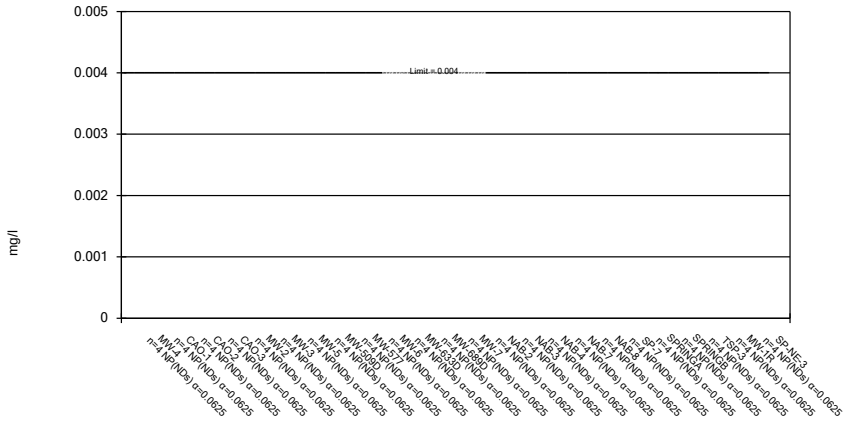
Constituent: Antimony Analysis Run 2/19/2016 10:21 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



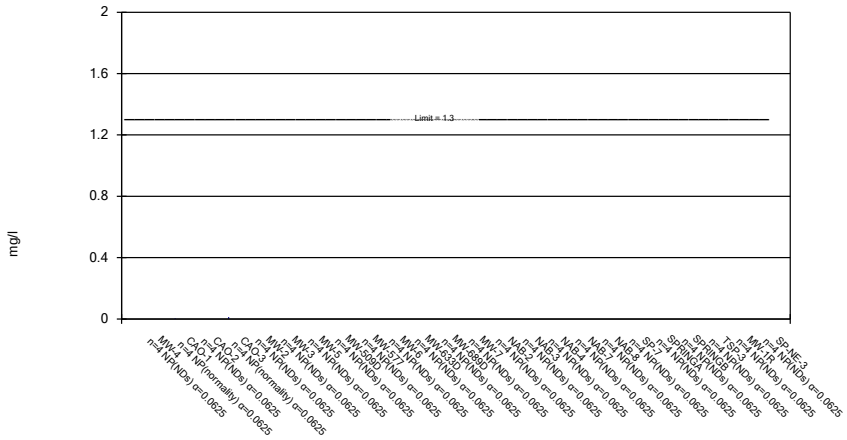
Constituent: Beryllium Analysis Run 2/19/2016 10:22 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

Non-Parametric Confidence Interval

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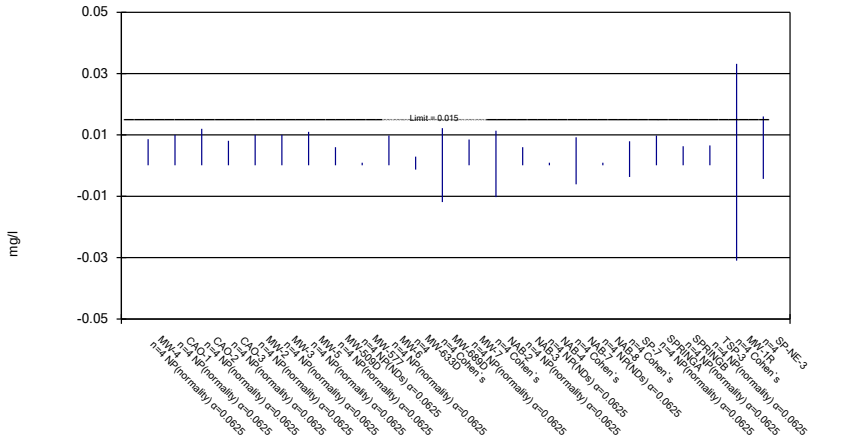
Constituent: Copper Analysis Run 2/19/2016 10:22 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



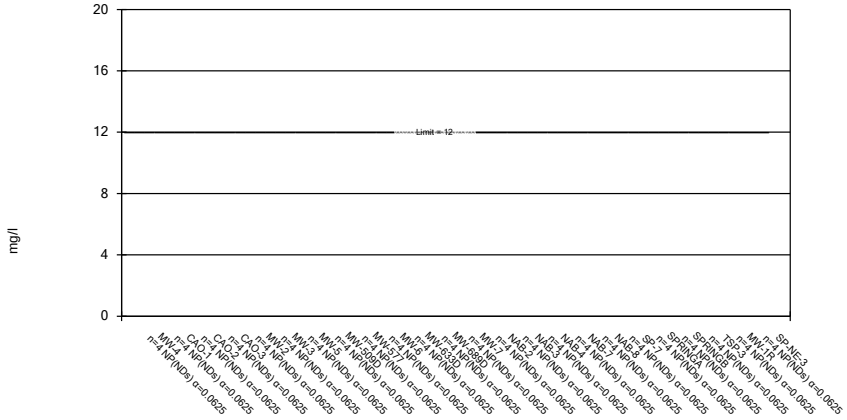
Constituent: Lead Analysis Run 2/19/2016 10:22 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



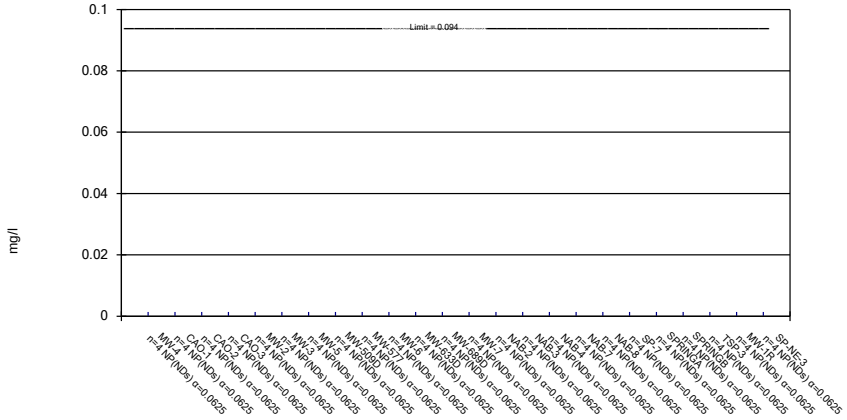
Constituent: Tin Analysis Run 2/19/2016 10:19 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



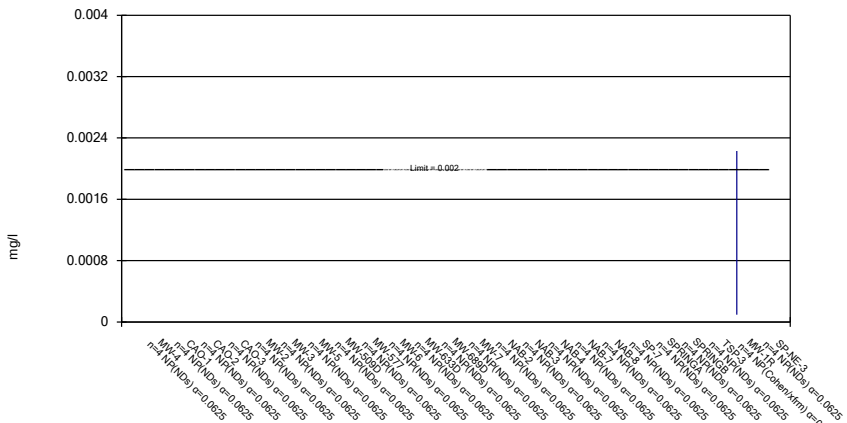
Constituent: Silver Analysis Run 2/19/2016 10:20 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



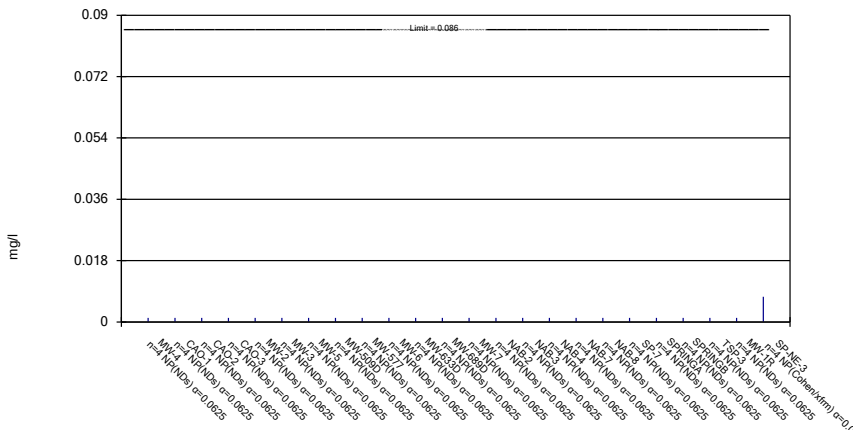
Constituent: Thallium Analysis Run 2/19/2016 10:20 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



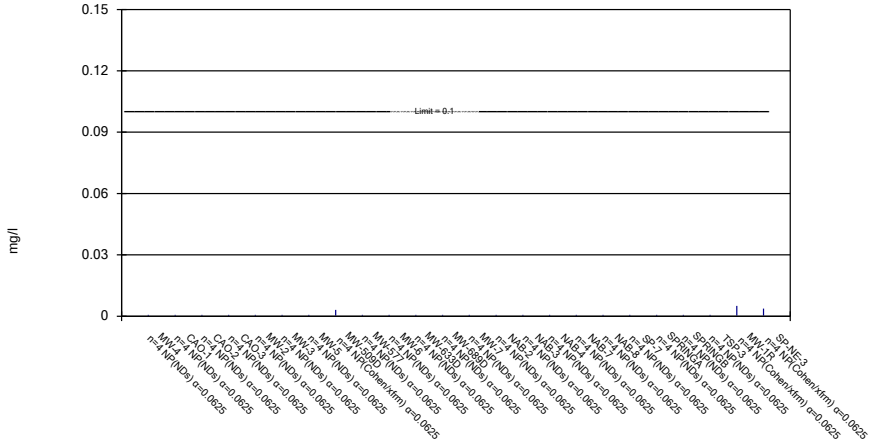
Constituent: Vanadium Analysis Run 2/19/2016 10:20 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



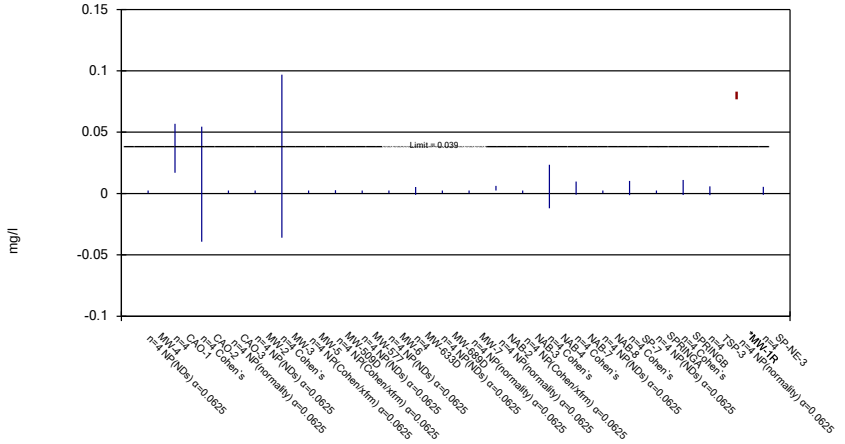
Constituent: Chromium Analysis Run 2/19/2016 10:18 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



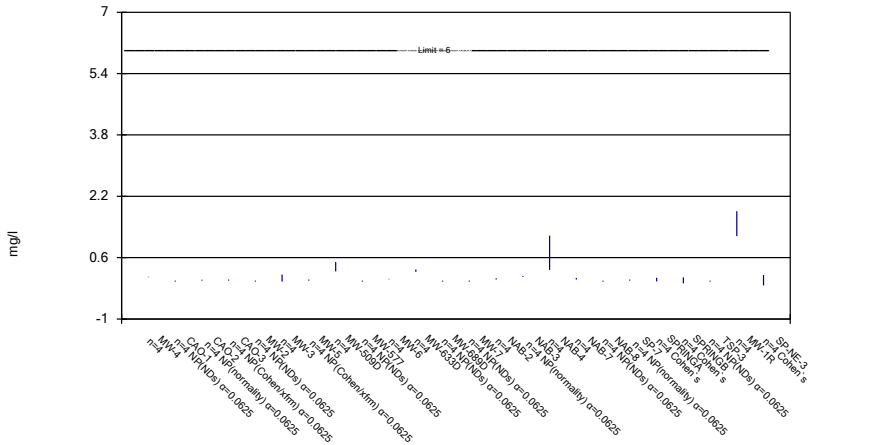
Constituent: Nickel Analysis Run 2/19/2016 10:18 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



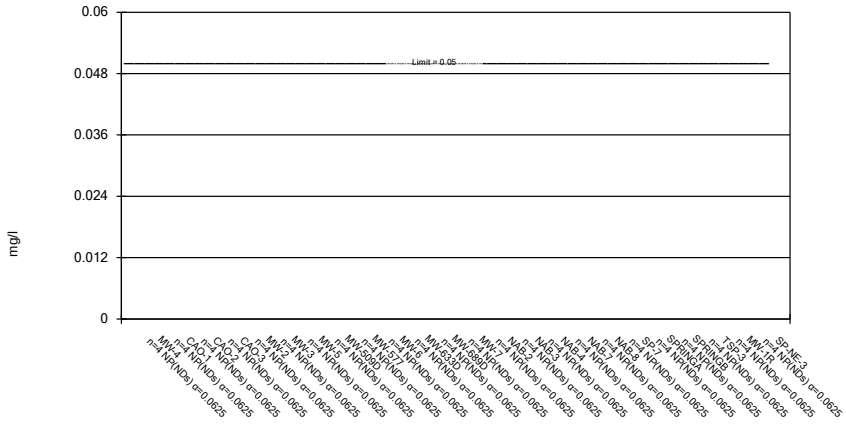
Constituent: Zinc Analysis Run 2/19/2016 10:18 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



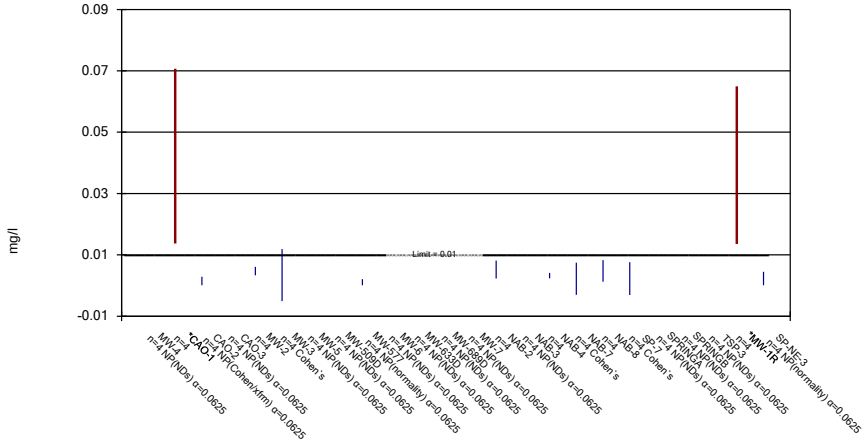
Constituent: Selenium Analysis Run 2/19/2016 10:19 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



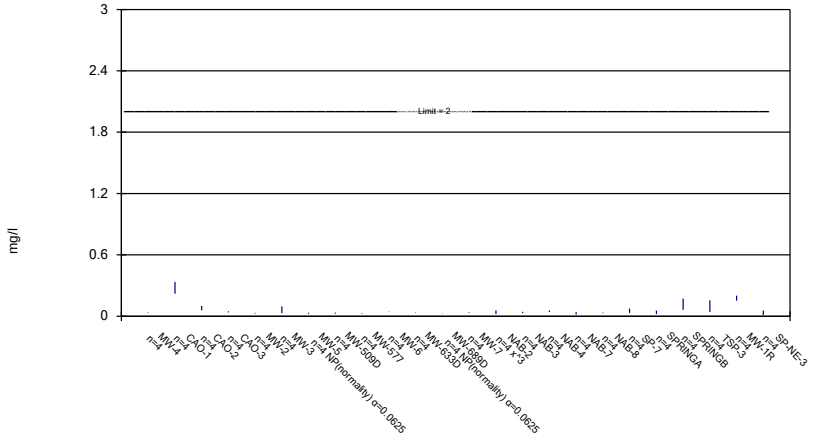
Constituent: Arsenic Analysis Run 2/19/2016 10:15 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



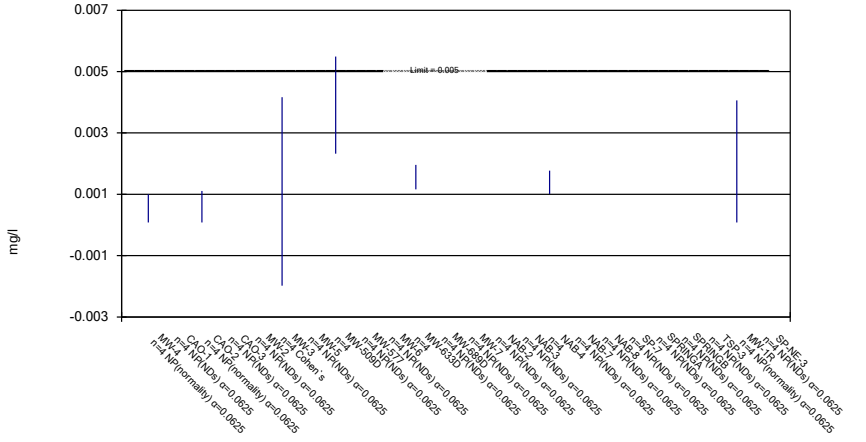
Constituent: Barium Analysis Run 2/19/2016 10:15 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



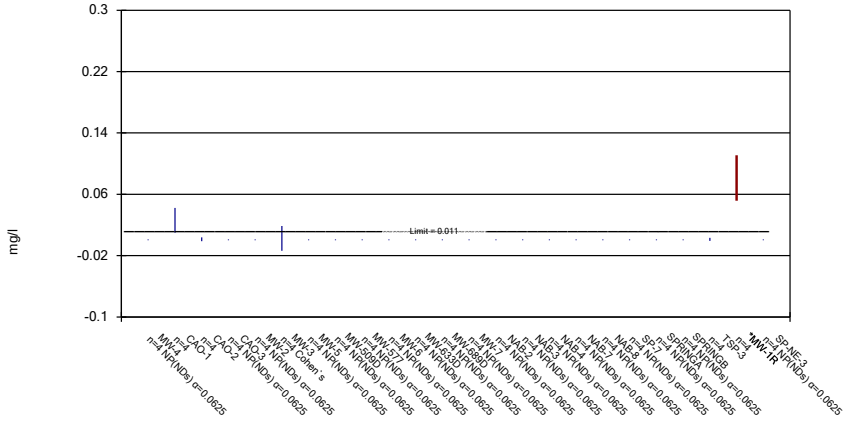
Constituent: Cadmium Analysis Run 2/19/2016 10:16 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

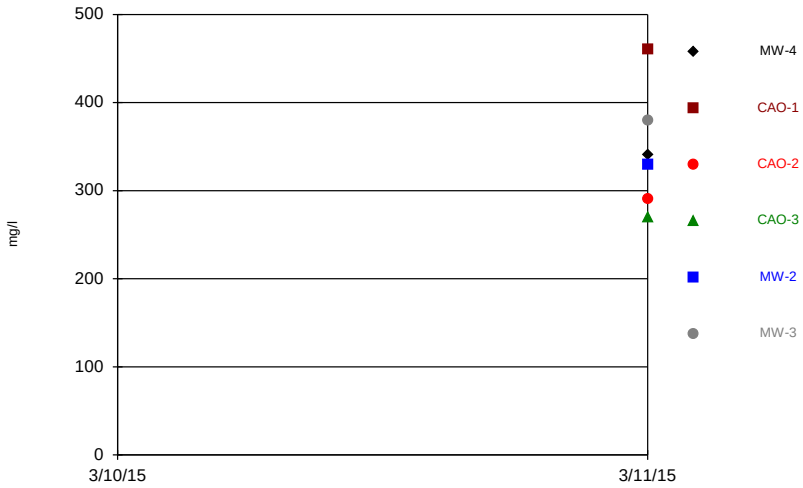


Constituent: Cobalt Analysis Run 2/19/2016 10:16 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

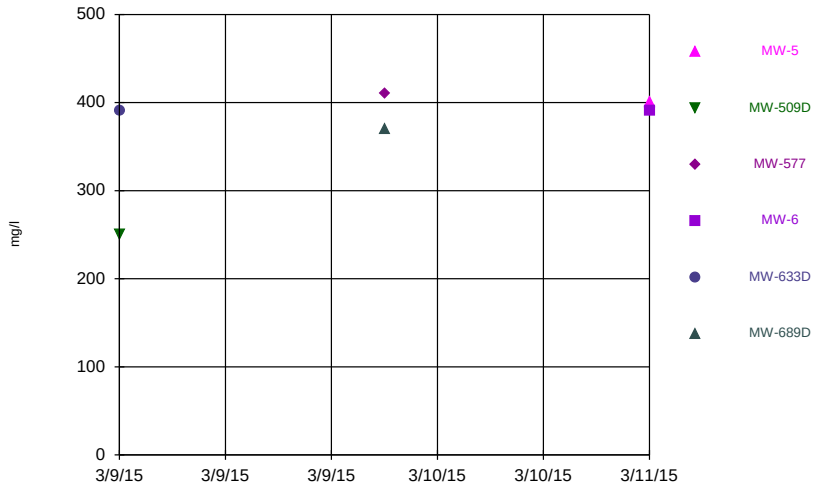
Time Series



Constituent: Alkalinity Analysis Run 2/19/2016 11:29 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

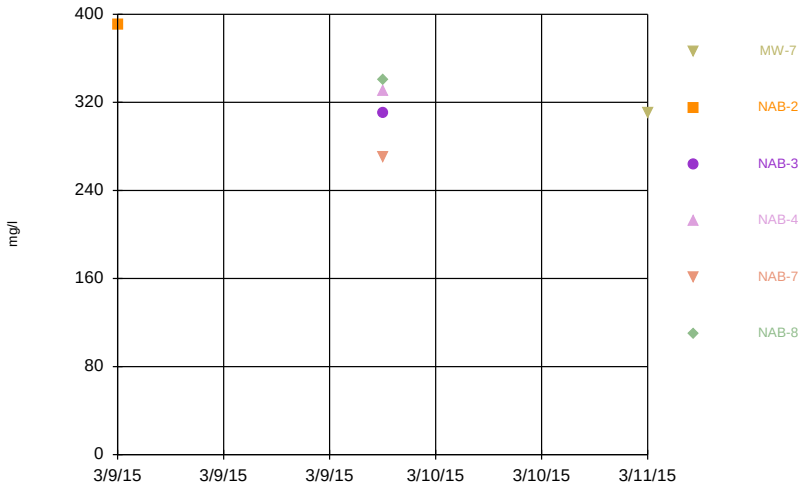
Time Series



Constituent: Alkalinity Analysis Run 2/19/2016 11:29 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

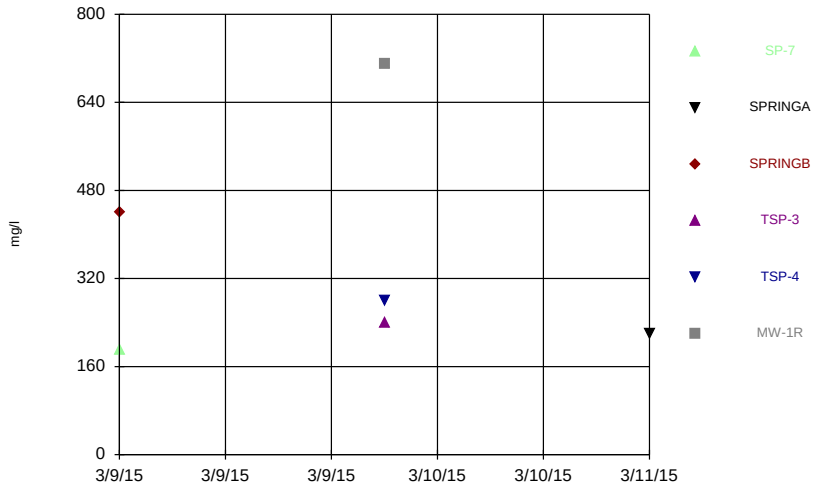
Time Series



Constituent: Alkalinity Analysis Run 2/19/2016 11:29 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

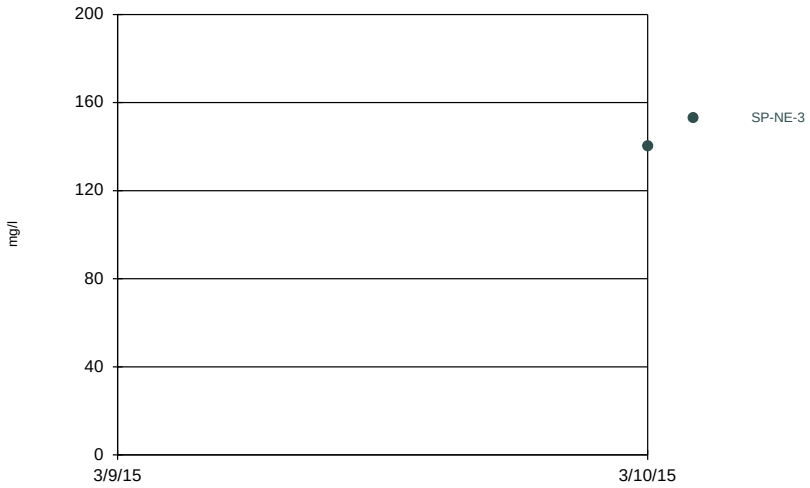
Time Series



Constituent: Alkalinity Analysis Run 2/19/2016 11:29 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

Time Series



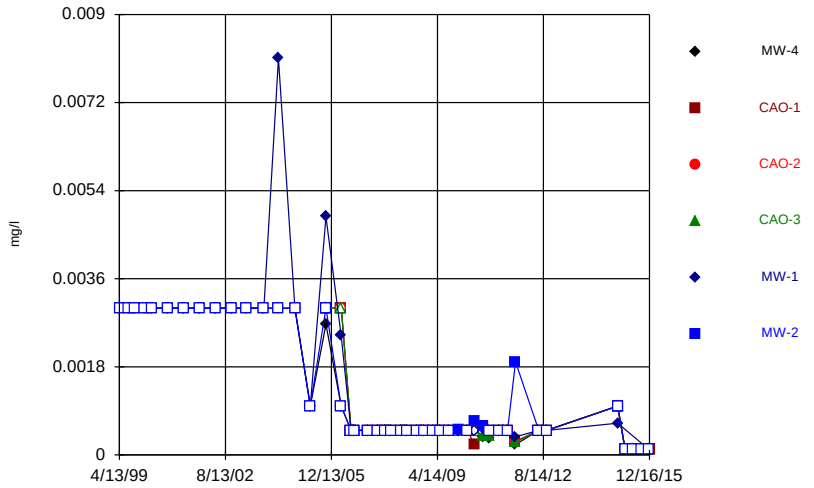
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Time Series



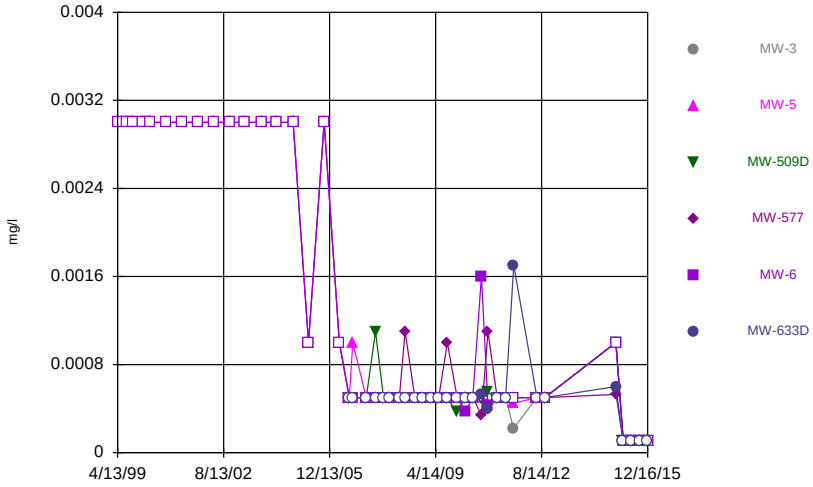
Constituent: Antimony Analysis Run 2/19/2016 11:29 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

Hollow symbols indicate censored values.

Time Series



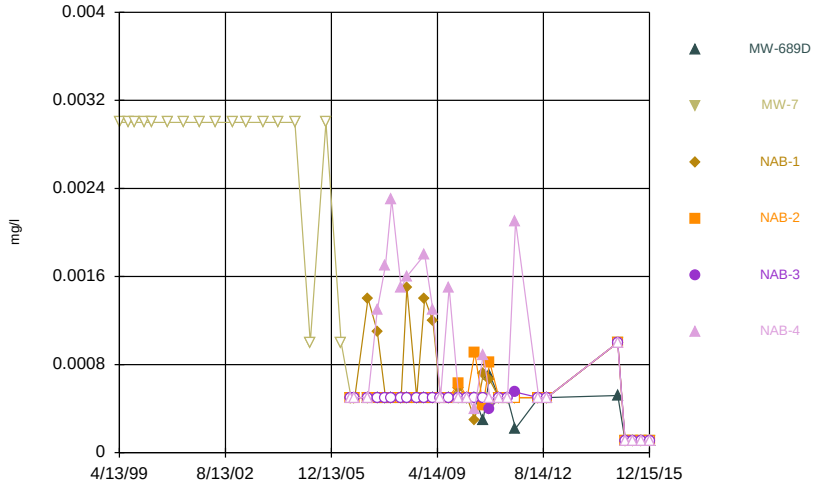
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Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

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Time Series

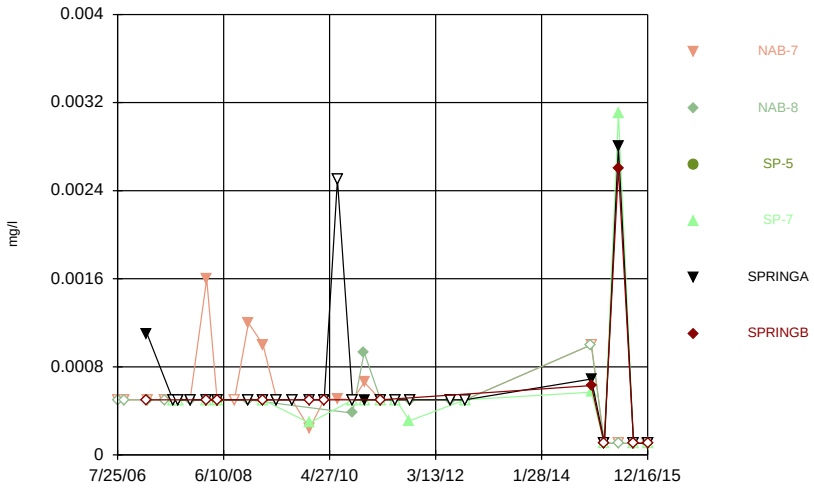


Constituent: Antimony Analysis Run 2/19/2016 11:29 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG
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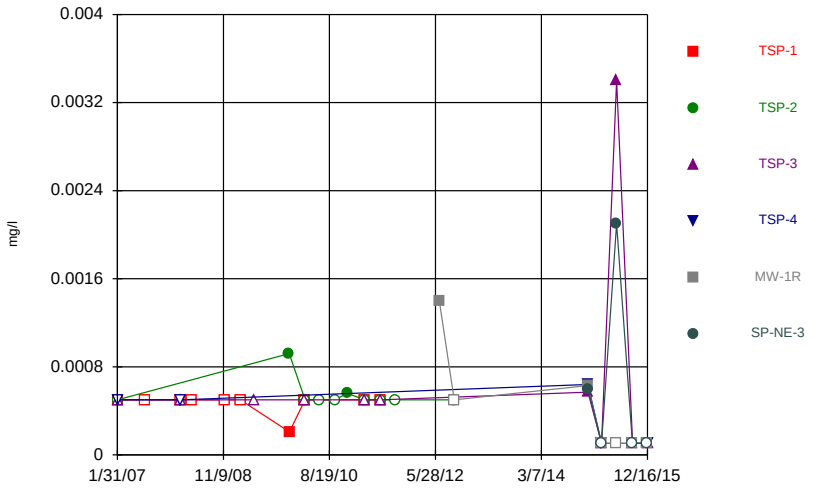
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Constituent: Antimony Analysis Run 2/19/2016 11:29 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG
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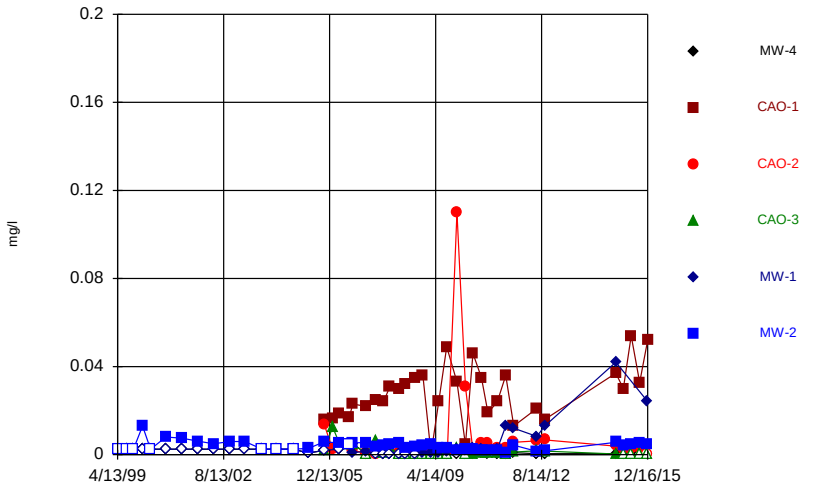
Time Series



Constituent: Antimony Analysis Run 2/19/2016 11:29 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

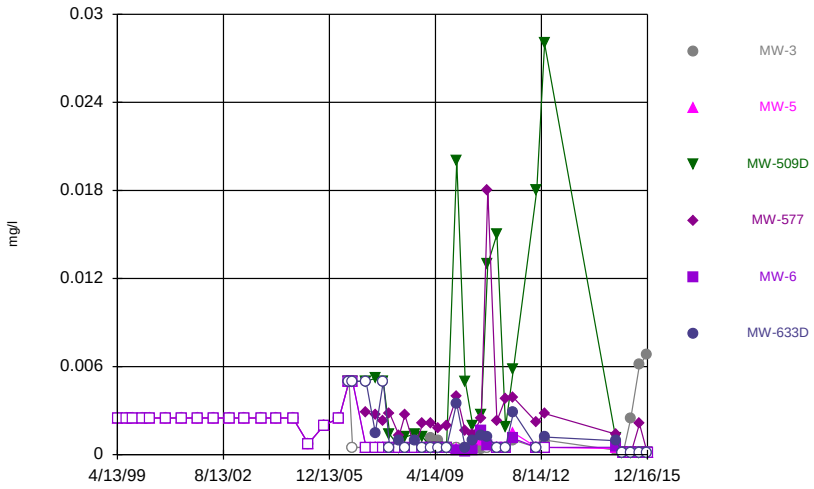
Time Series



Constituent: Arsenic Analysis Run 2/19/2016 11:29 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

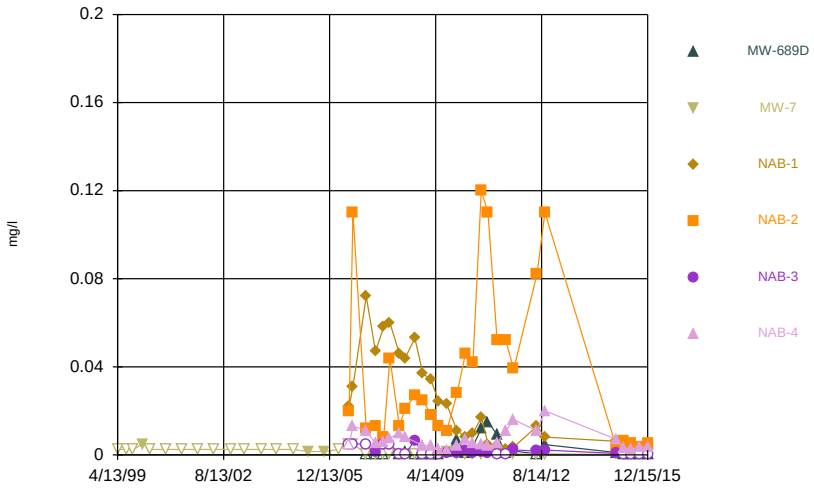
Time Series



Constituent: Arsenic Analysis Run 2/19/2016 11:29 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG
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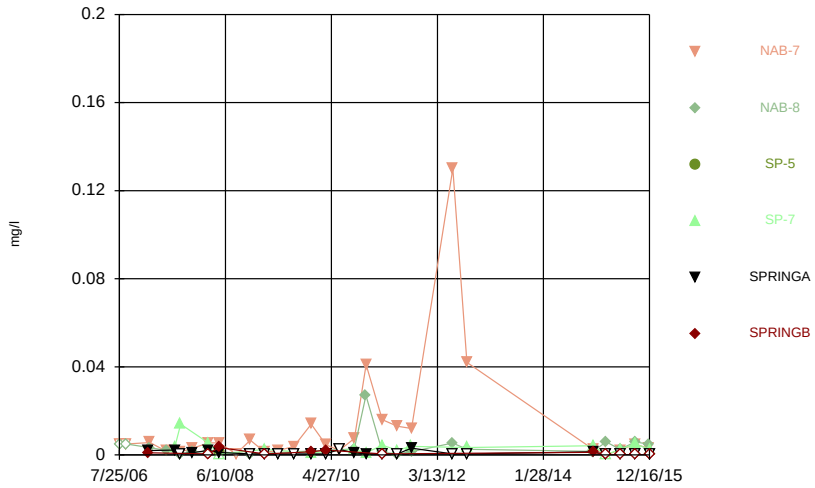
Time Series



Constituent: Arsenic Analysis Run 2/19/2016 11:29 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

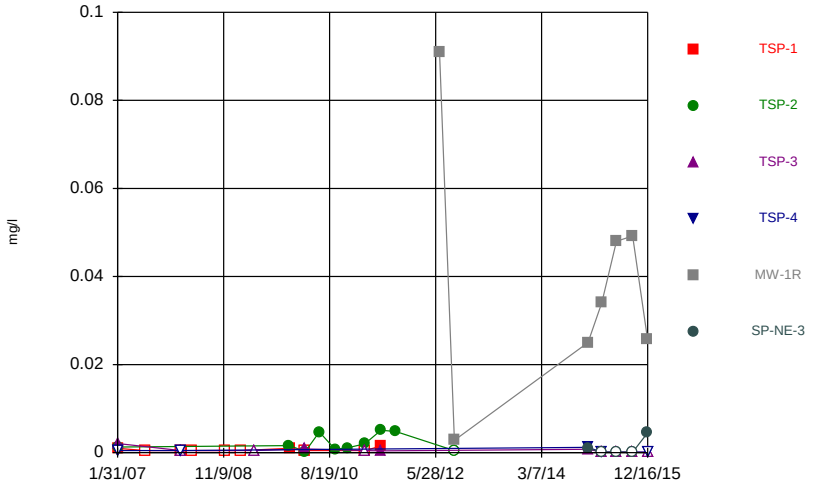
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Constituent: Arsenic Analysis Run 2/19/2016 11:29 AM
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Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG
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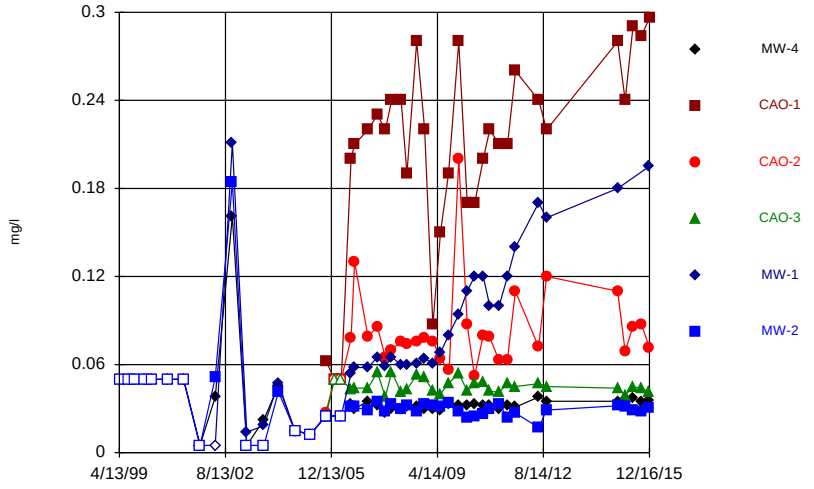
Time Series



Constituent: Arsenic Analysis Run 2/19/2016 11:29 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

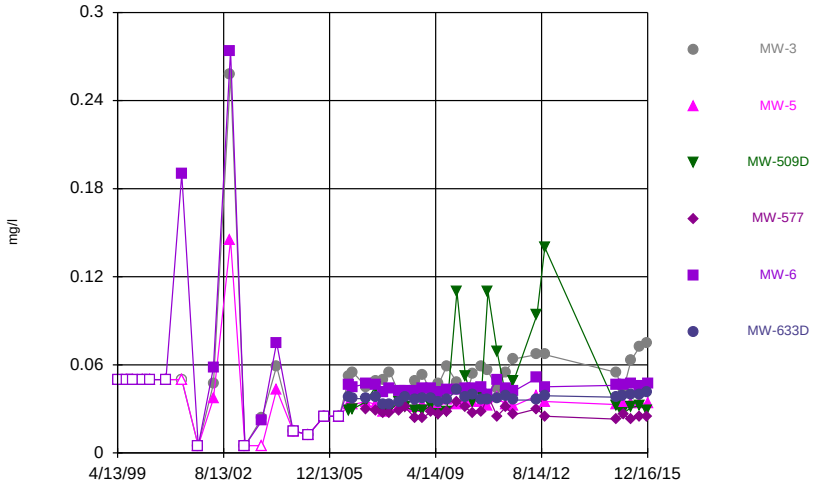
Time Series



Constituent: Barium Analysis Run 2/19/2016 11:29 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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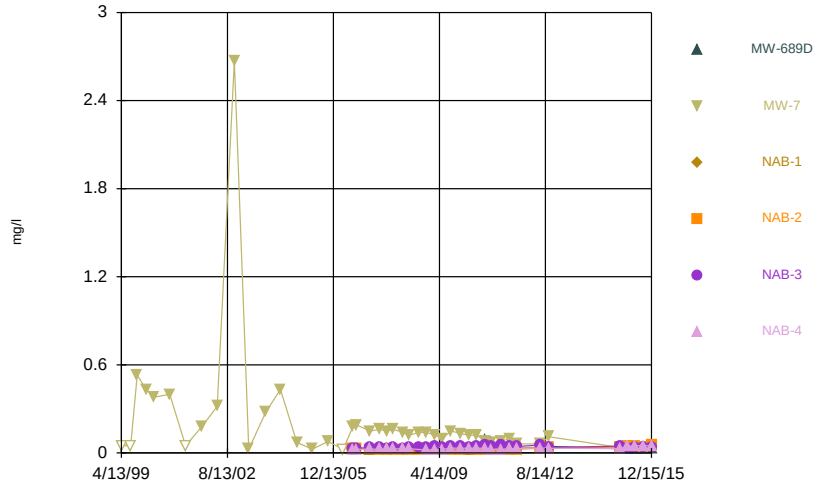
Time Series



Constituent: Barium Analysis Run 2/19/2016 11:29 AM
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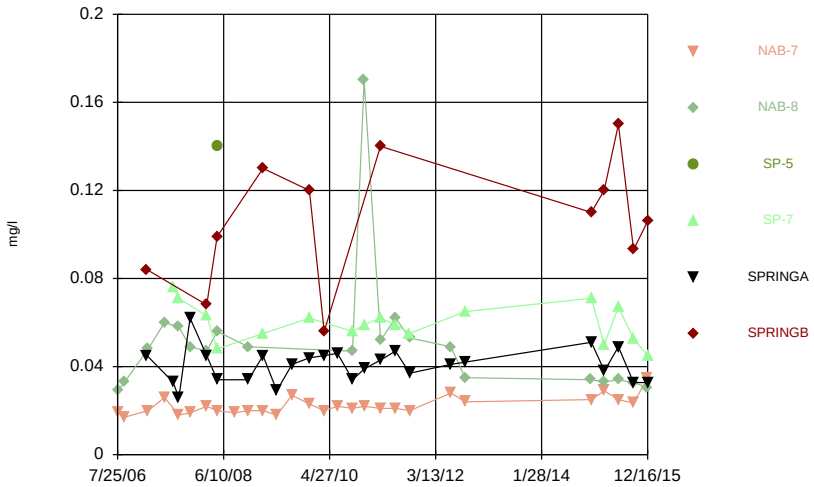
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Constituent: Barium Analysis Run 2/19/2016 11:29 AM
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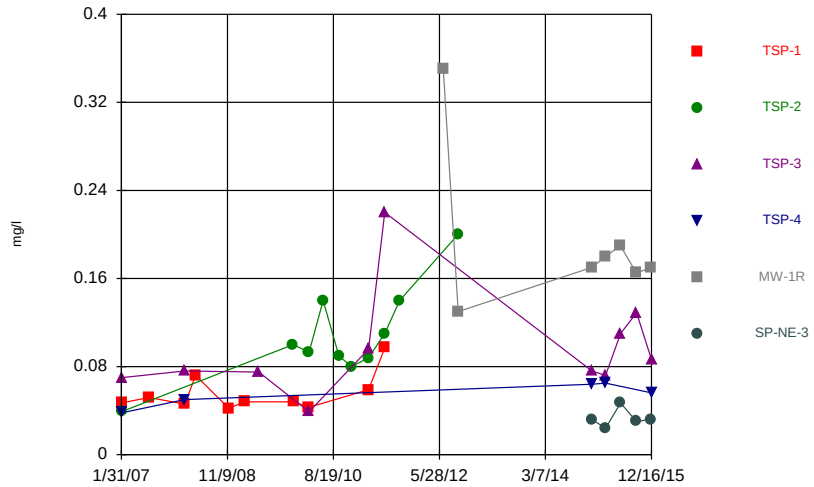
Time Series



Constituent: Barium Analysis Run 2/19/2016 11:29 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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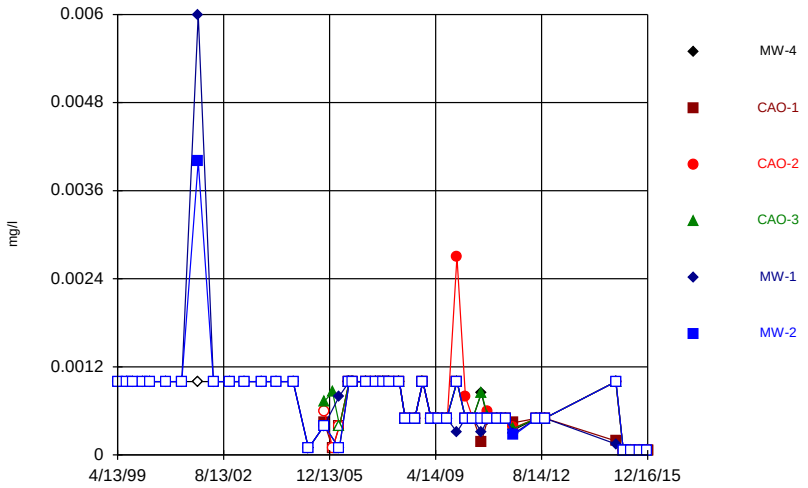
Time Series



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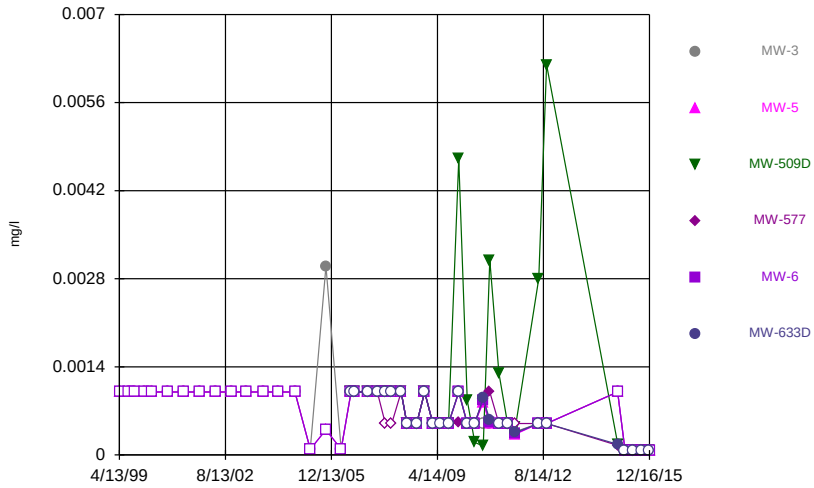
Time Series



Constituent: Beryllium Analysis Run 2/19/2016 11:30 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG
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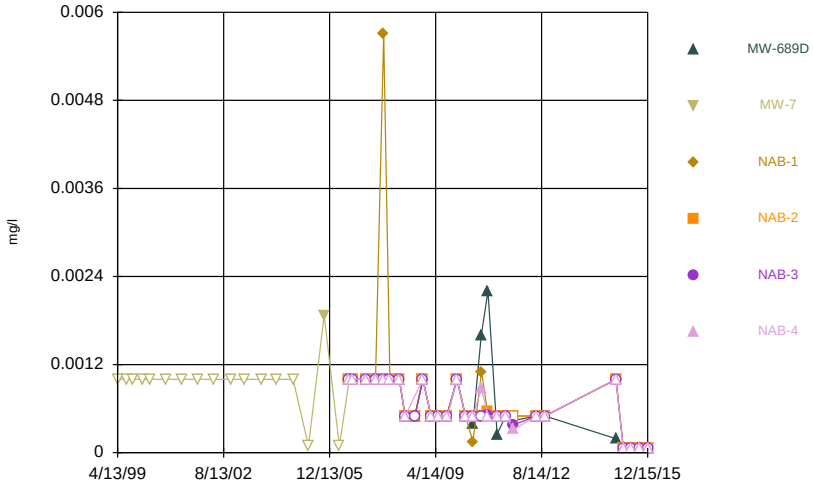
Time Series



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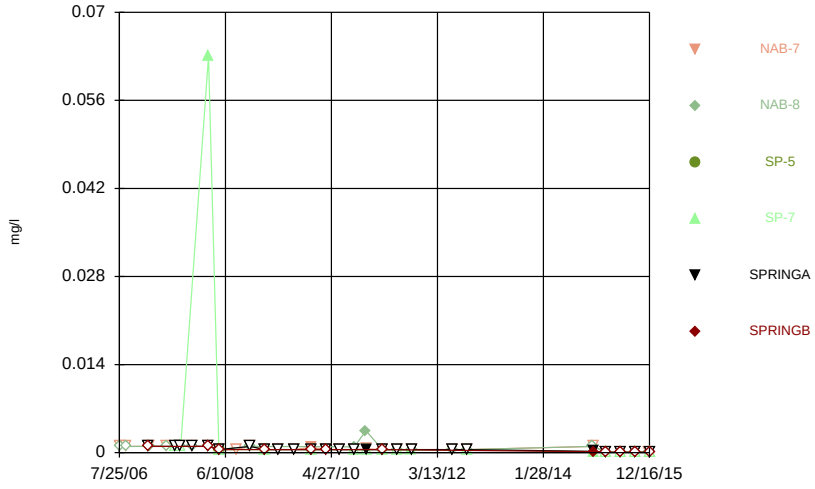
Time Series



Constituent: Beryllium Analysis Run 2/19/2016 11:30 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Time Series



Constituent: Beryllium Analysis Run 2/19/2016 11:30 AM
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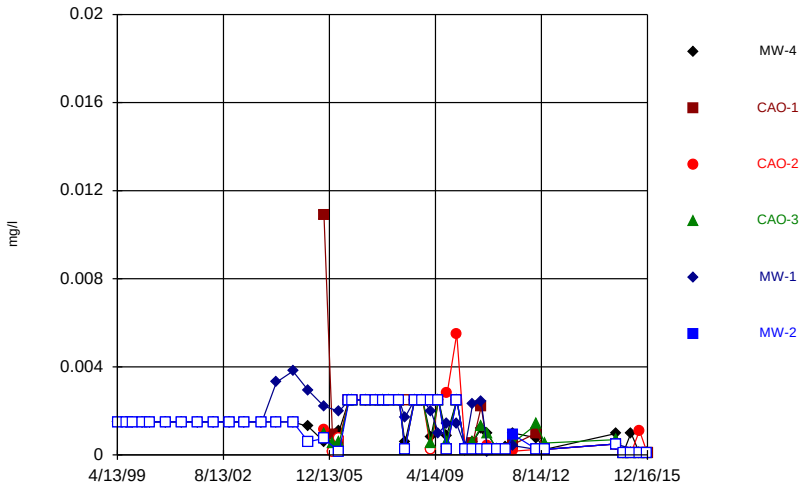
Time Series



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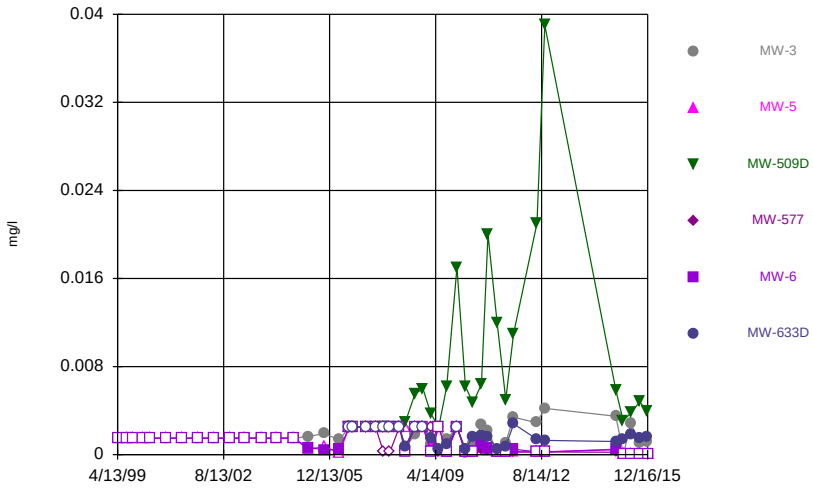
Time Series



Constituent: Cadmium Analysis Run 2/19/2016 11:30 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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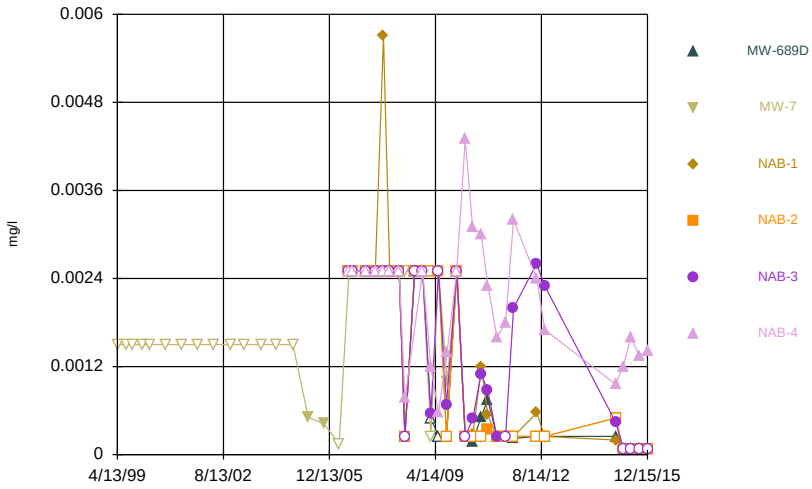
Time Series



Constituent: Cadmium Analysis Run 2/19/2016 11:30 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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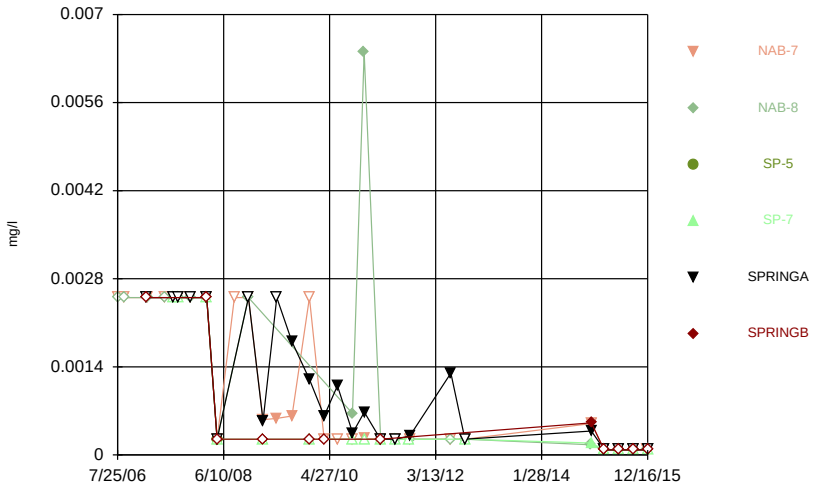
Time Series



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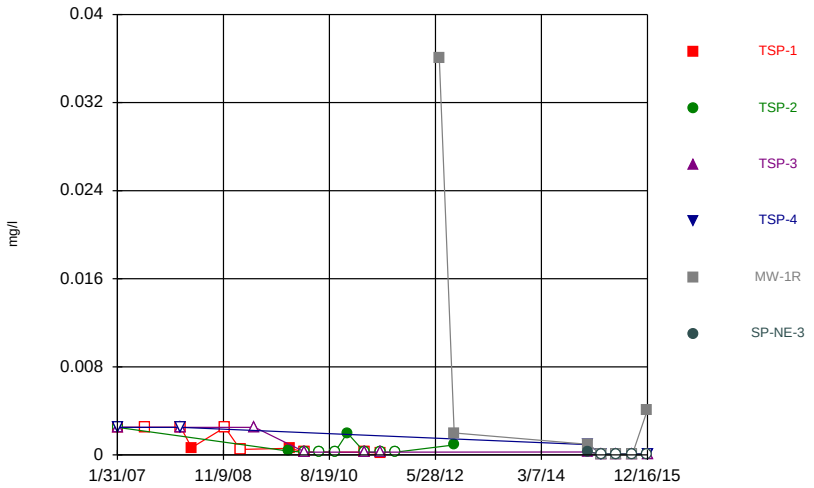
Time Series



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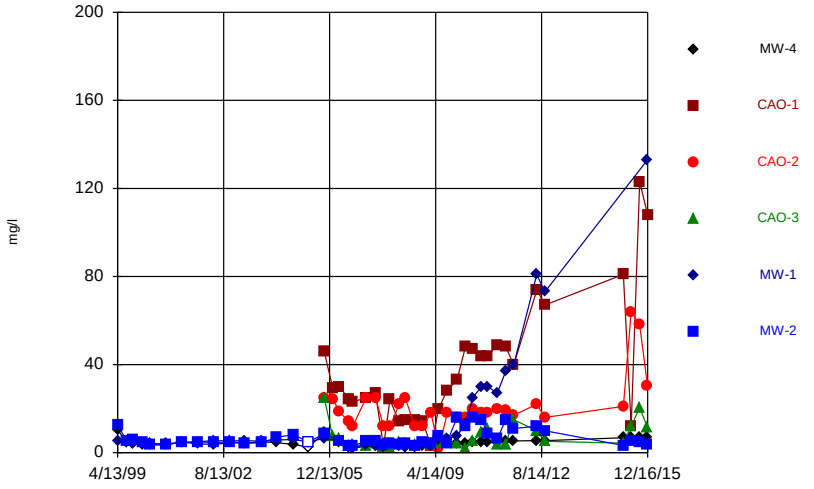
Time Series



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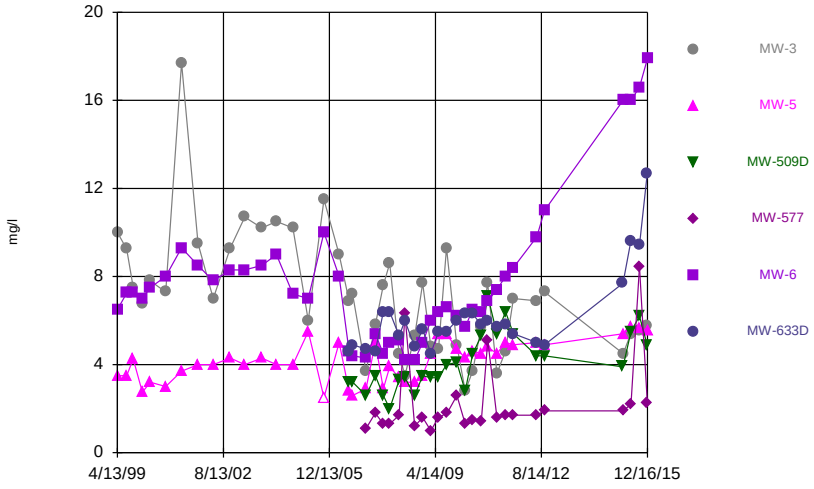
Time Series



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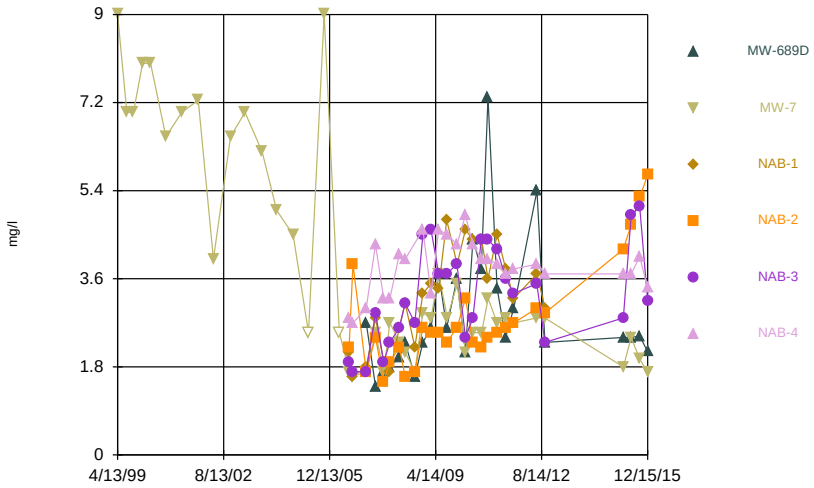
Time Series



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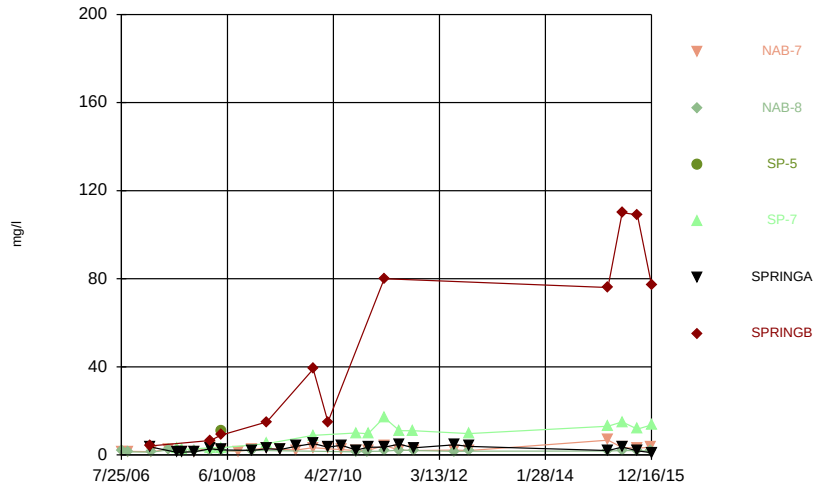
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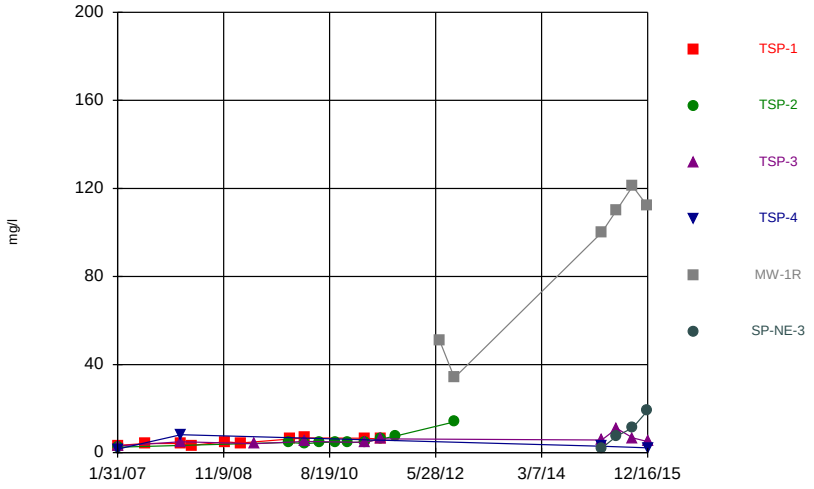
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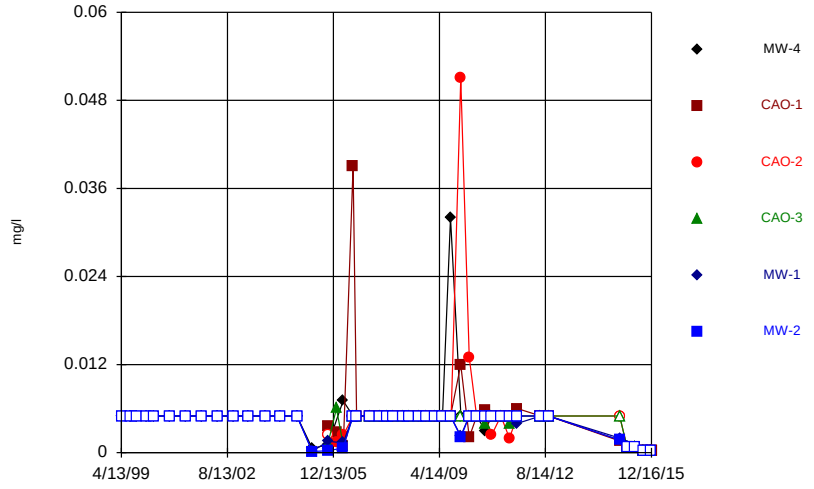
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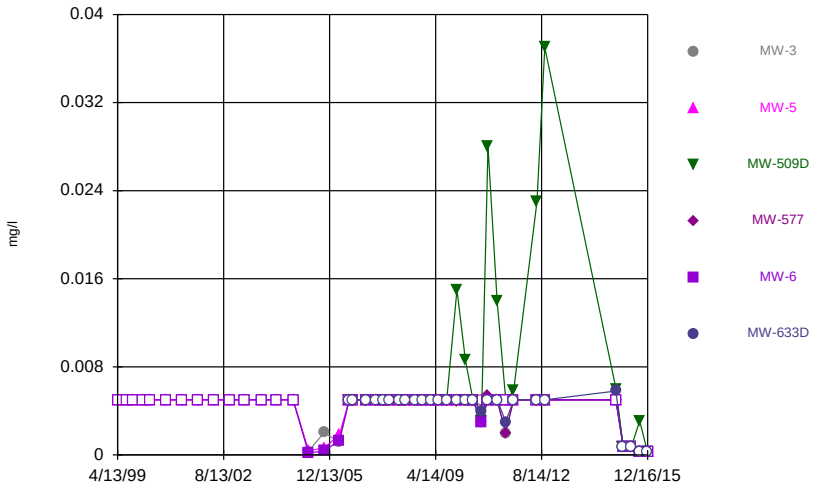
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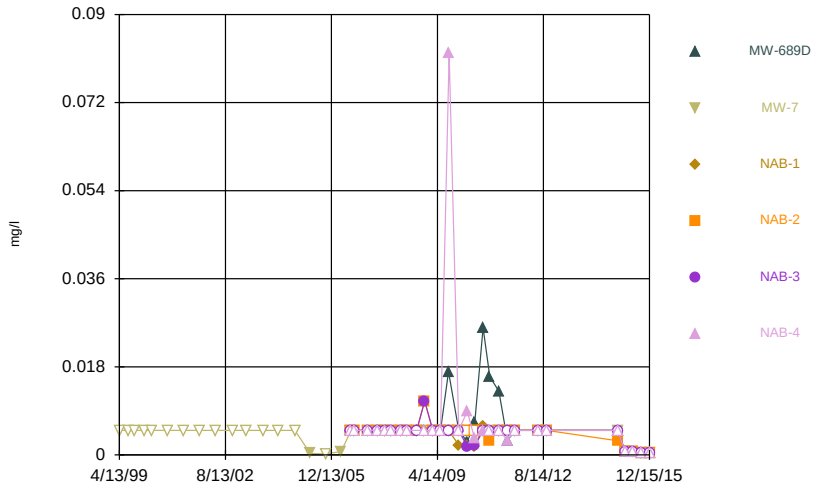
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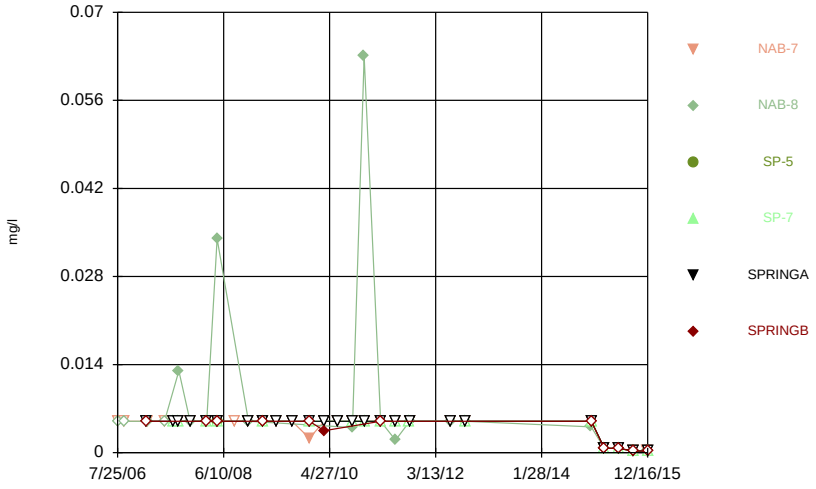
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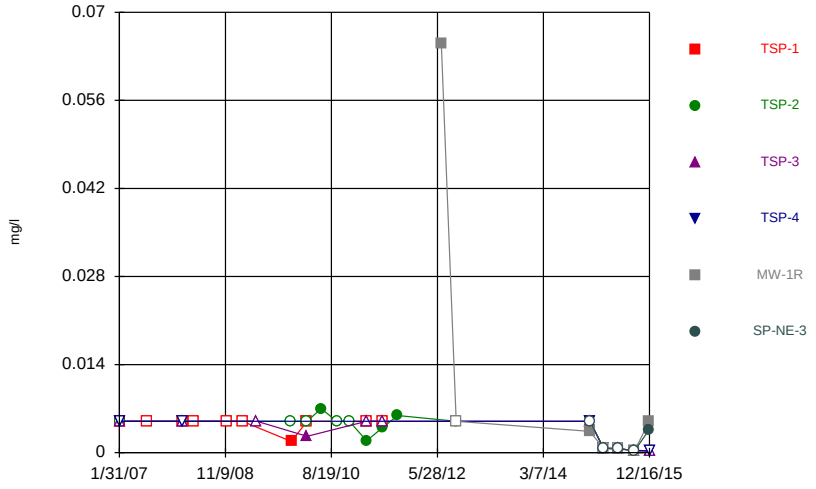
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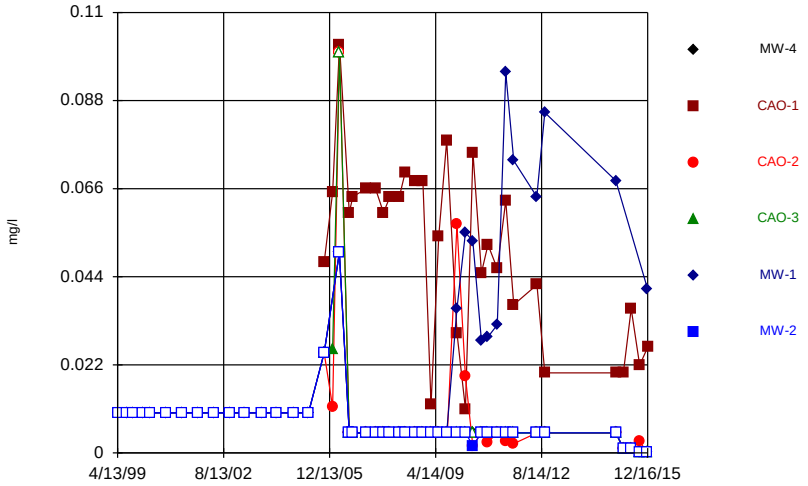
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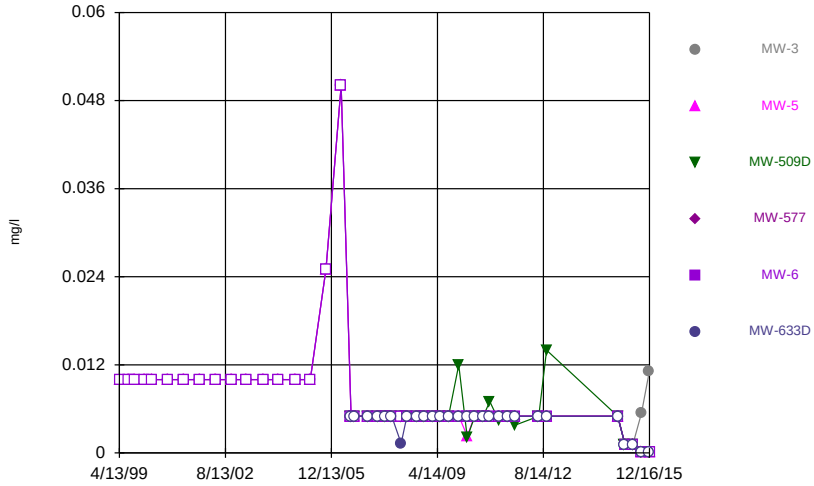
Time Series



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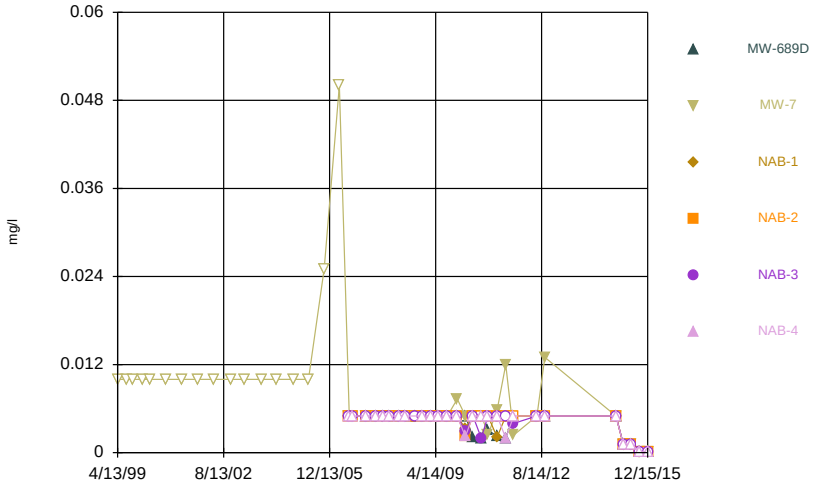
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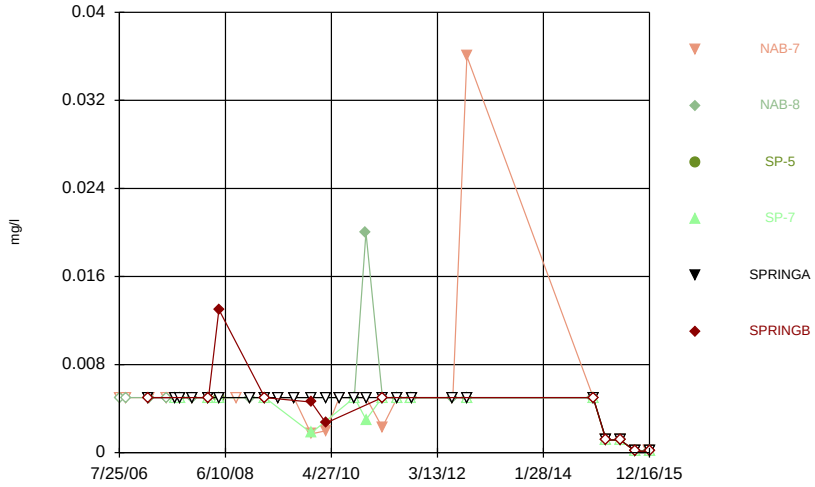
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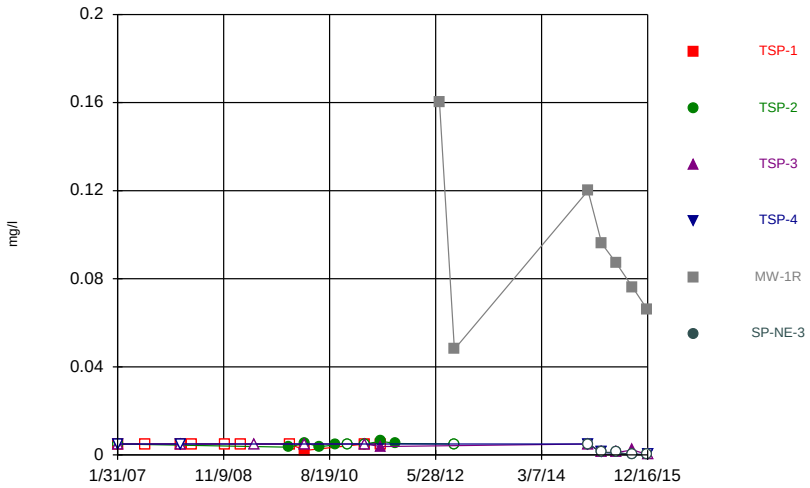
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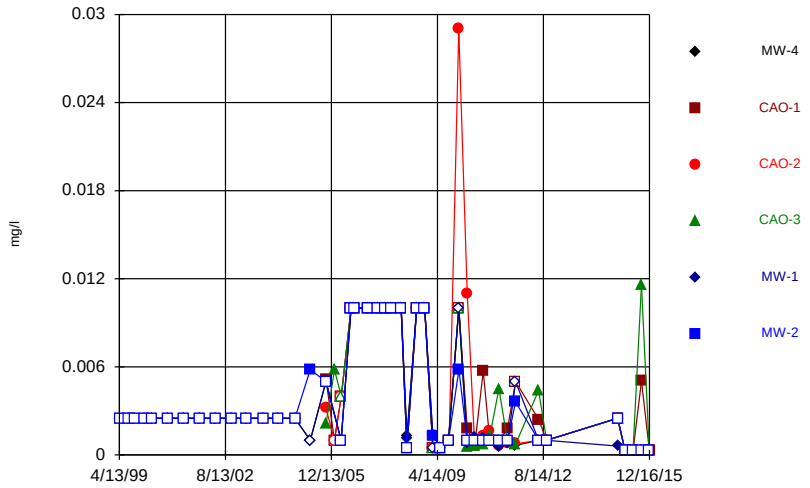
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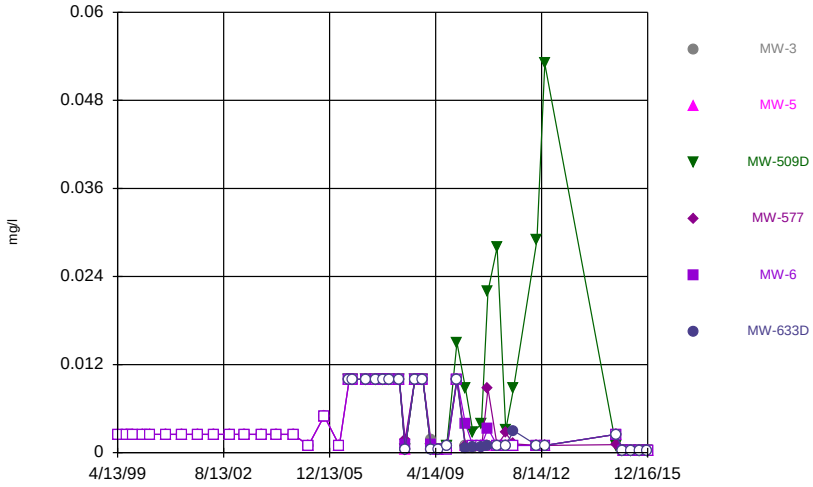
Time Series



Constituent: Copper Analysis Run 2/19/2016 11:30 AM
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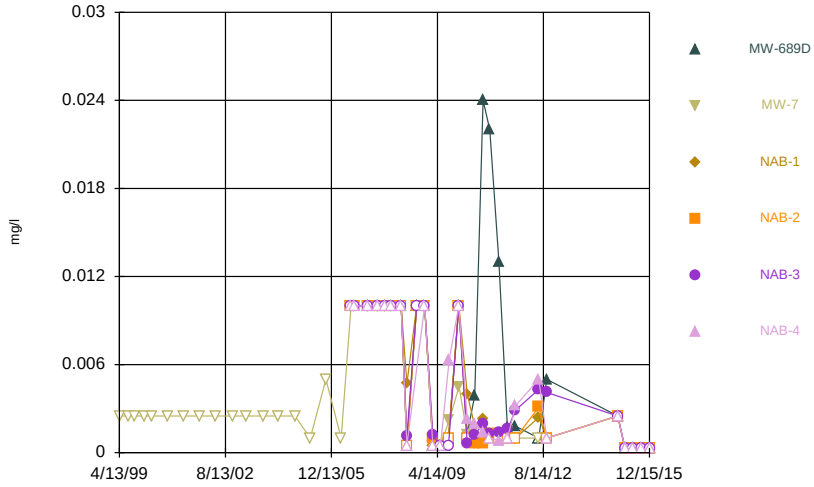
Time Series



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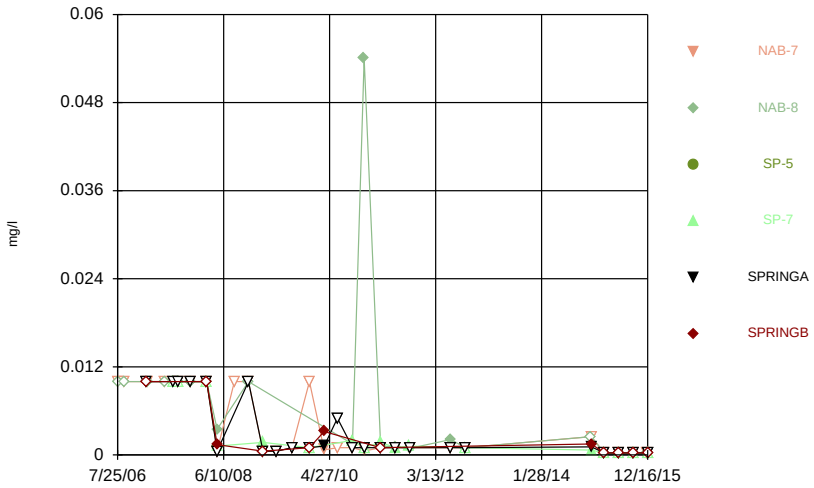
Time Series



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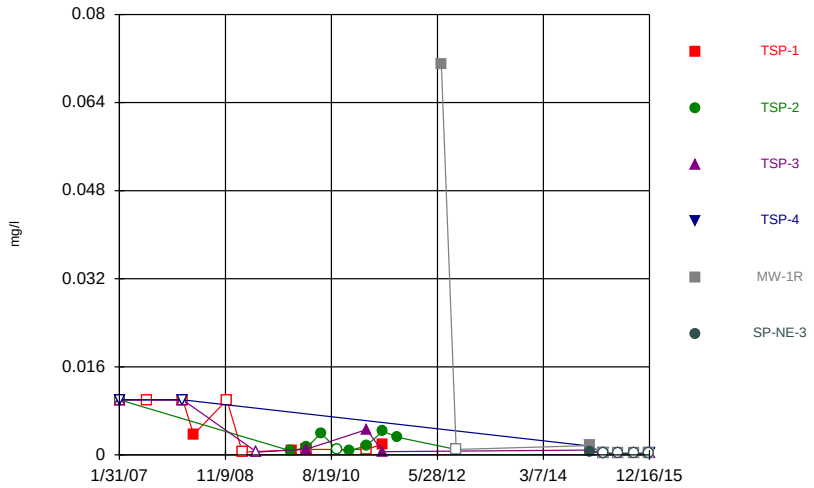
Time Series



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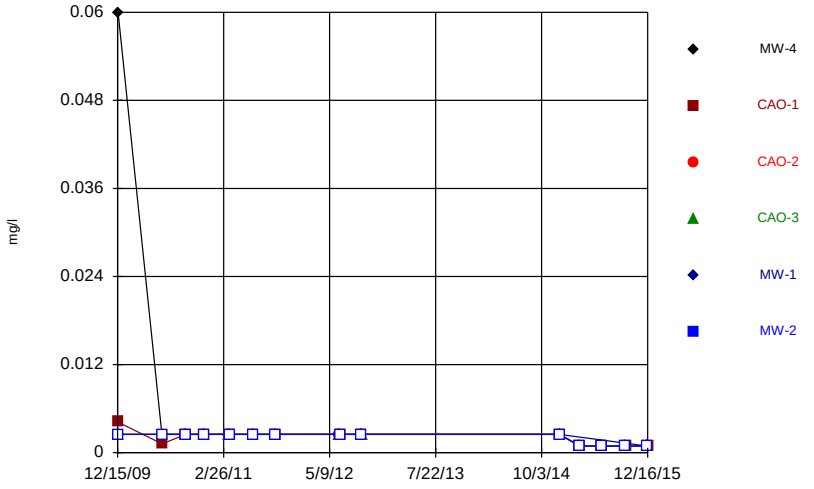
Time Series



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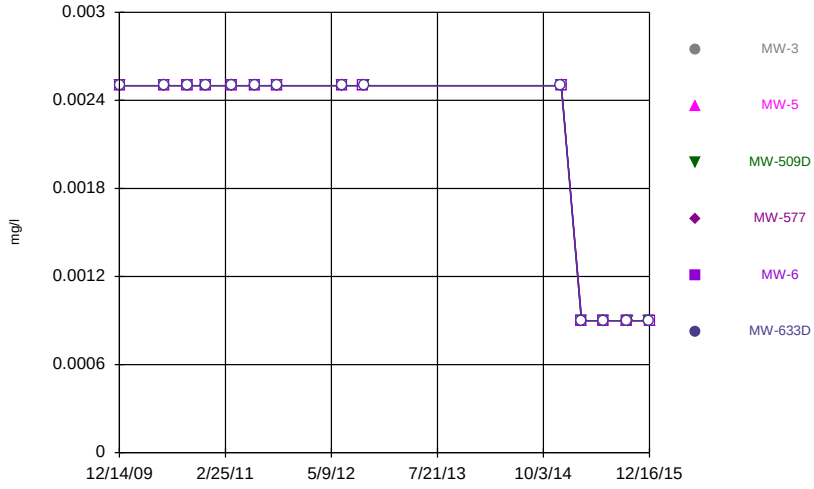
Time Series



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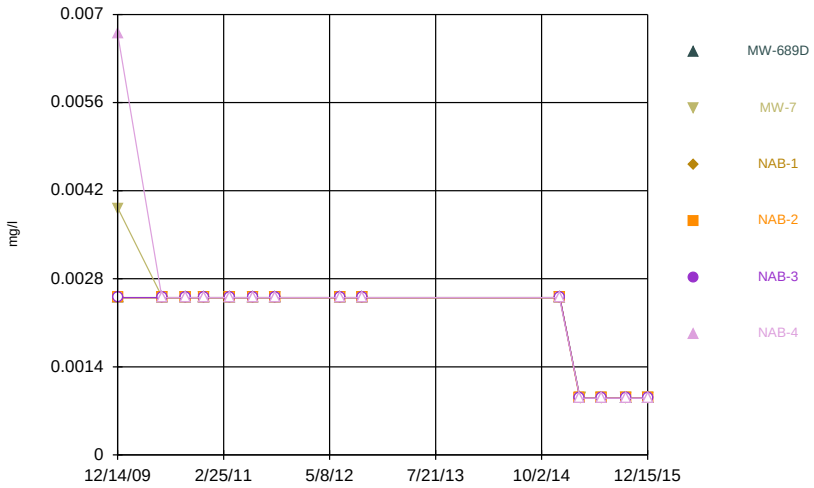
Time Series



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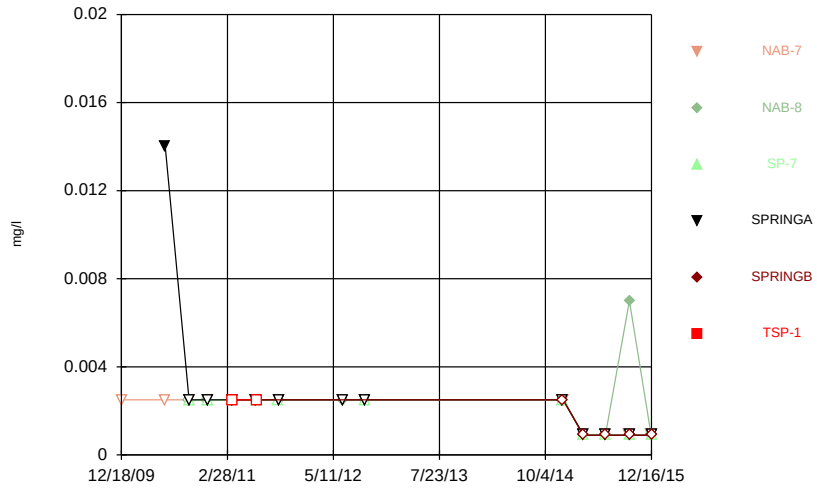
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Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

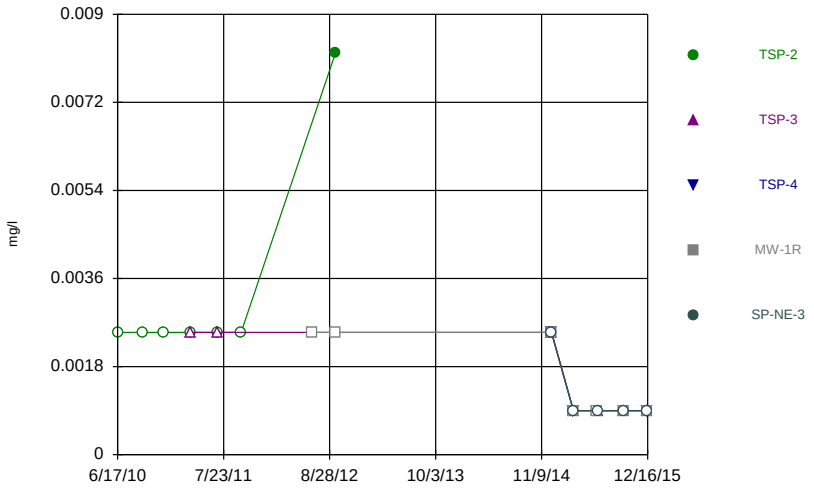
Time Series



Constituent: Cyanide Analysis Run 2/19/2016 11:30 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG
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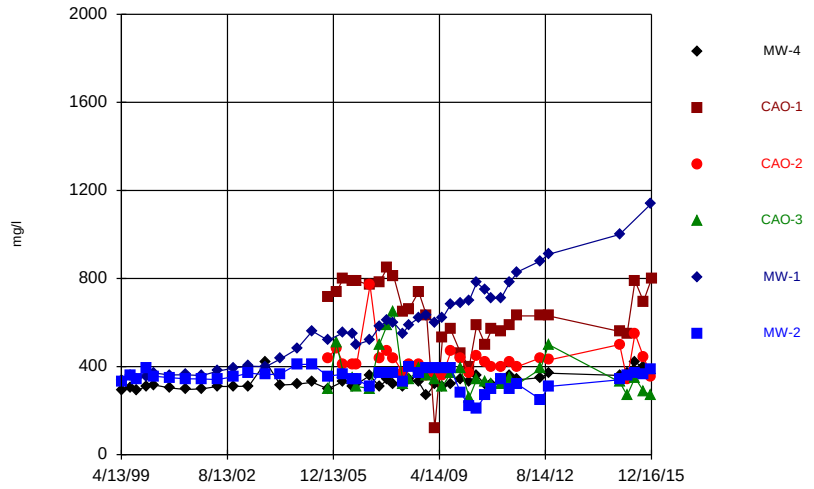
Time Series



Constituent: Cyanide Analysis Run 2/19/2016 11:30 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

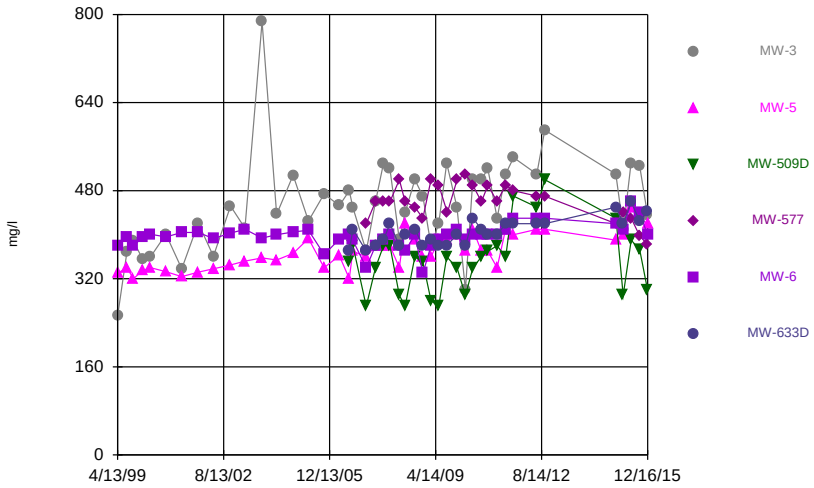
Time Series



Constituent: Dissolved Solids Analysis Run 2/19/2016 11:30 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

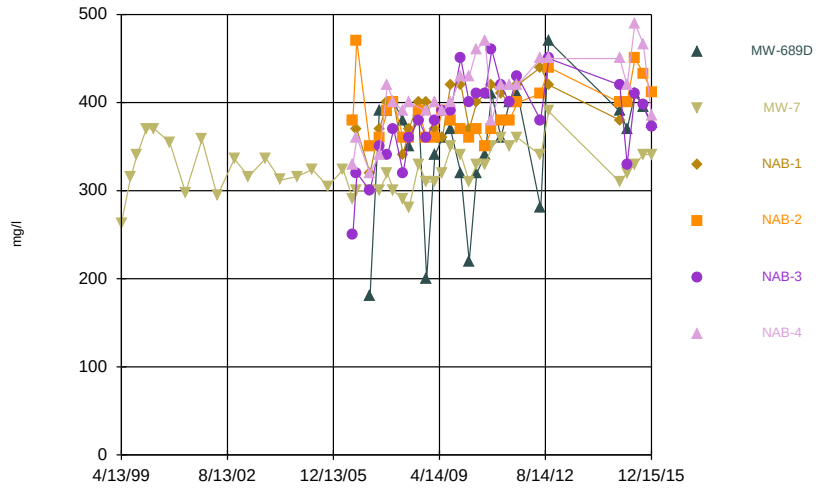
Time Series



Constituent: Dissolved Solids Analysis Run 2/19/2016 11:30 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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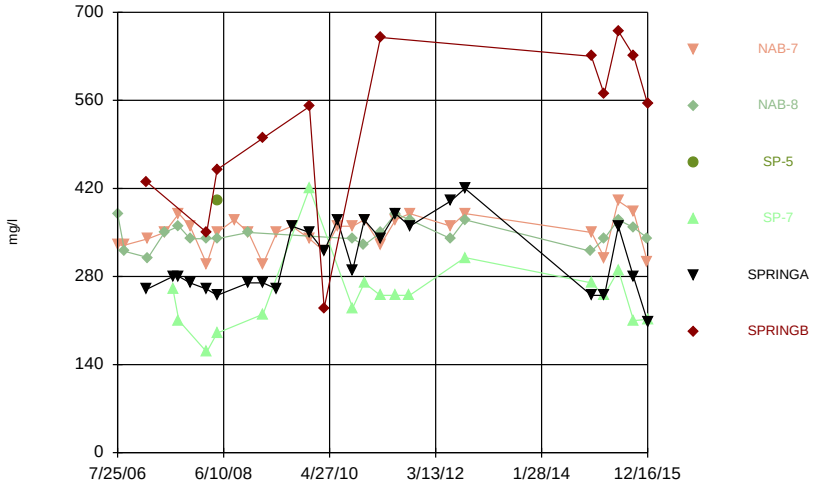
Time Series



Constituent: Dissolved Solids Analysis Run 2/19/2016 11:30 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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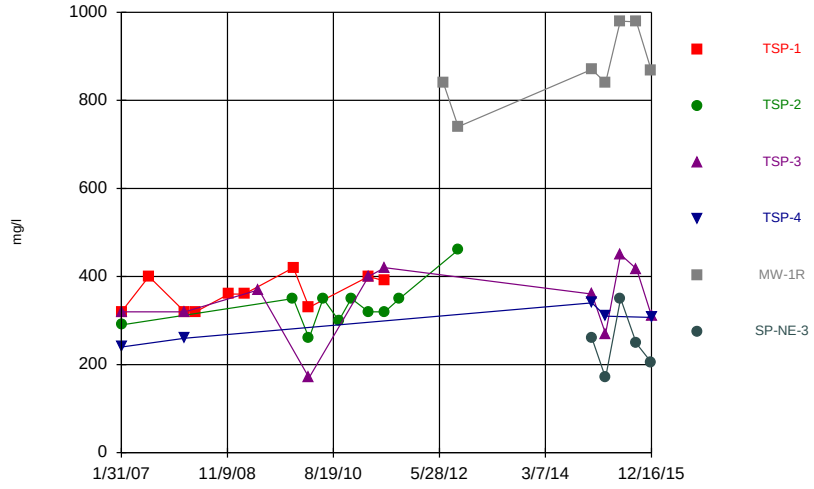
Time Series



Constituent: Dissolved Solids Analysis Run 2/19/2016 11:30 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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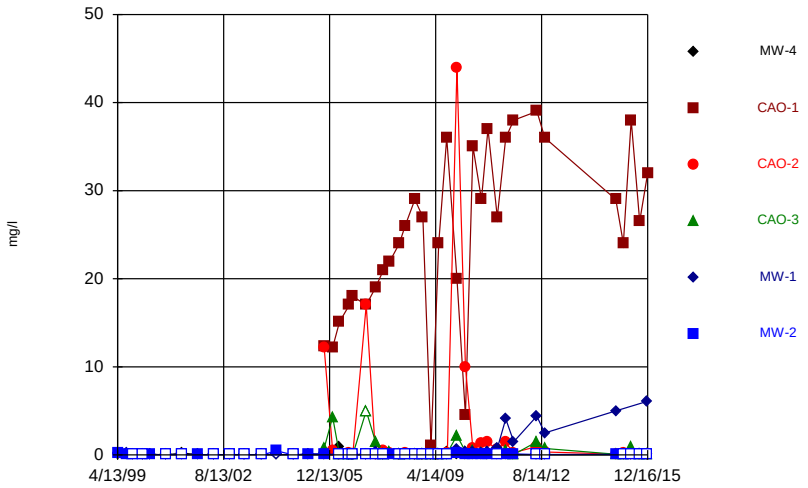
Time Series



Constituent: Dissolved Solids Analysis Run 2/19/2016 11:30 AM
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Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG
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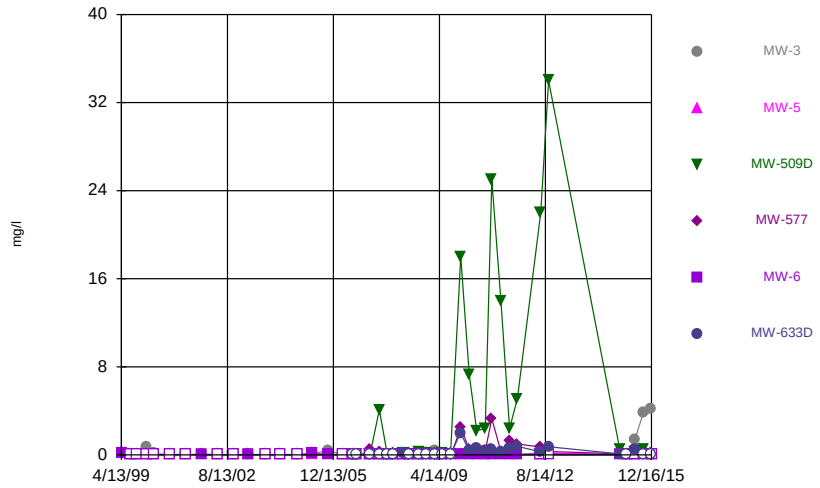
Time Series



Constituent: Iron Analysis Run 2/19/2016 11:30 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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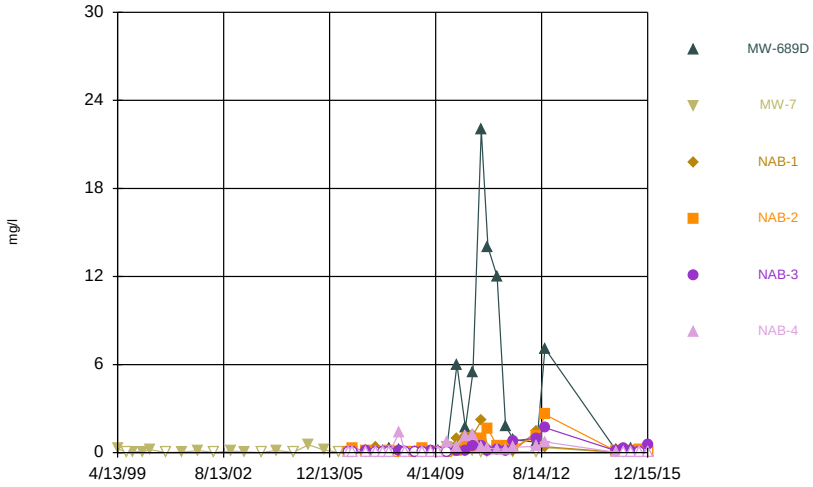
Time Series



Constituent: Iron Analysis Run 2/19/2016 11:30 AM
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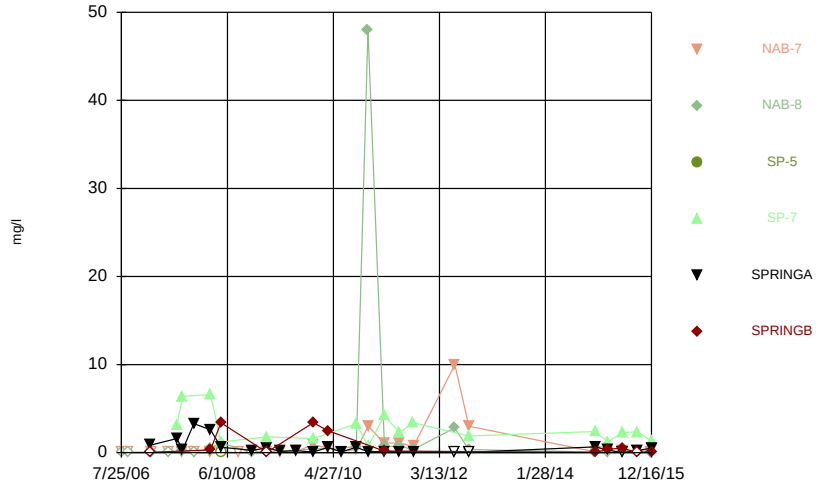
Time Series



Constituent: Iron Analysis Run 2/19/2016 11:30 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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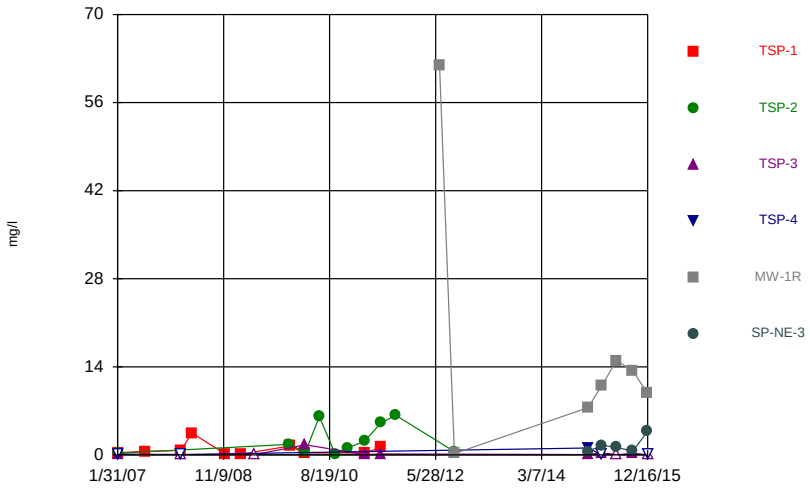
Time Series



Constituent: Iron Analysis Run 2/19/2016 11:30 AM
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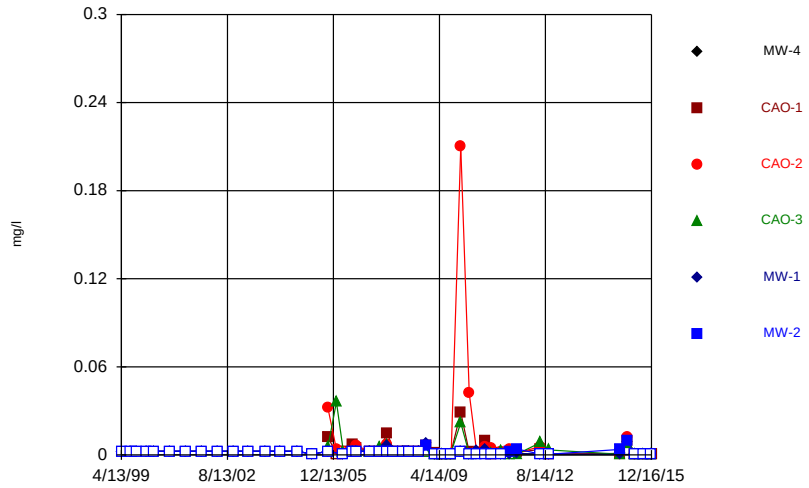
Time Series



Constituent: Iron Analysis Run 2/19/2016 11:30 AM
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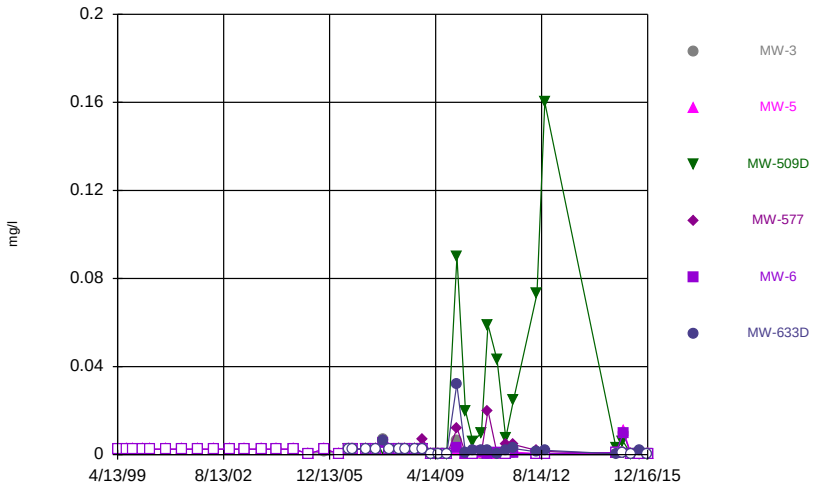
Time Series



Constituent: Lead Analysis Run 2/19/2016 11:30 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG
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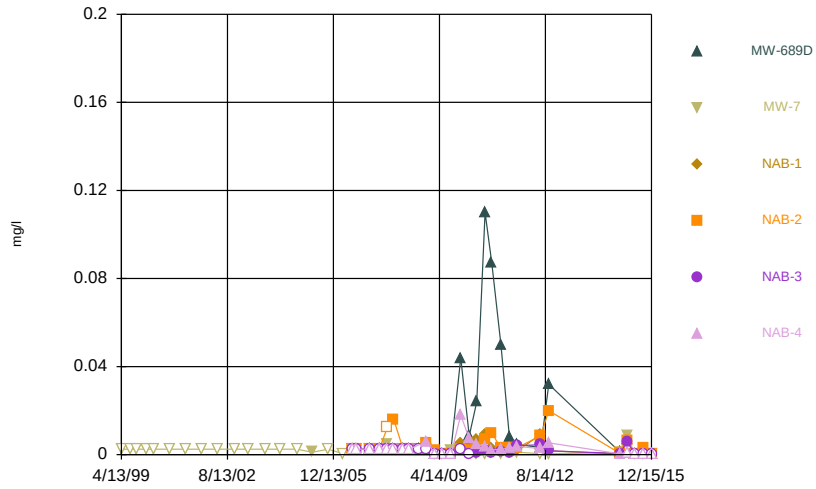
Time Series



Constituent: Lead Analysis Run 2/19/2016 11:31 AM
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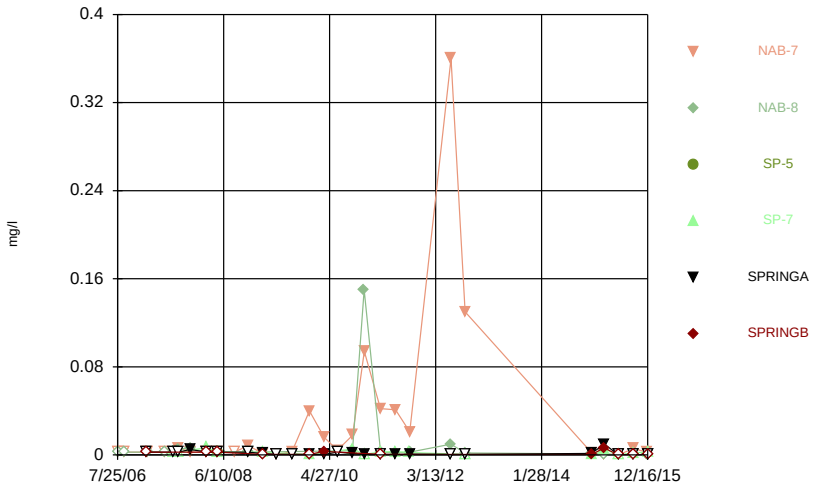
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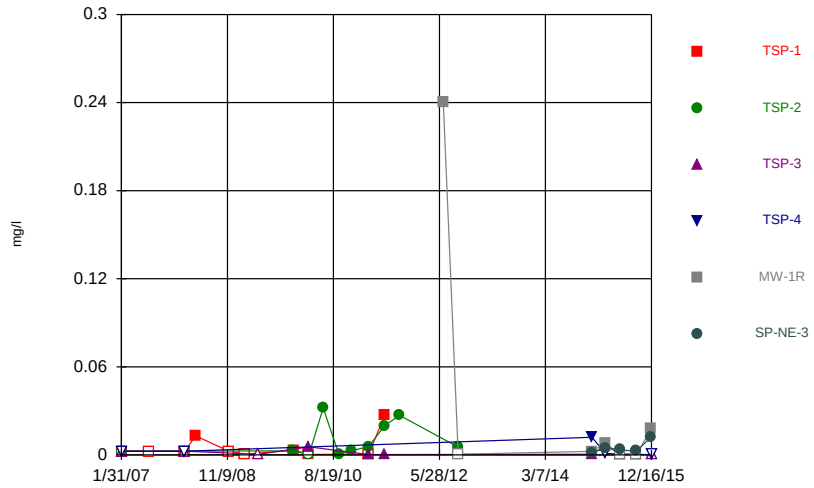
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Constituent: Lead Analysis Run 2/19/2016 11:31 AM
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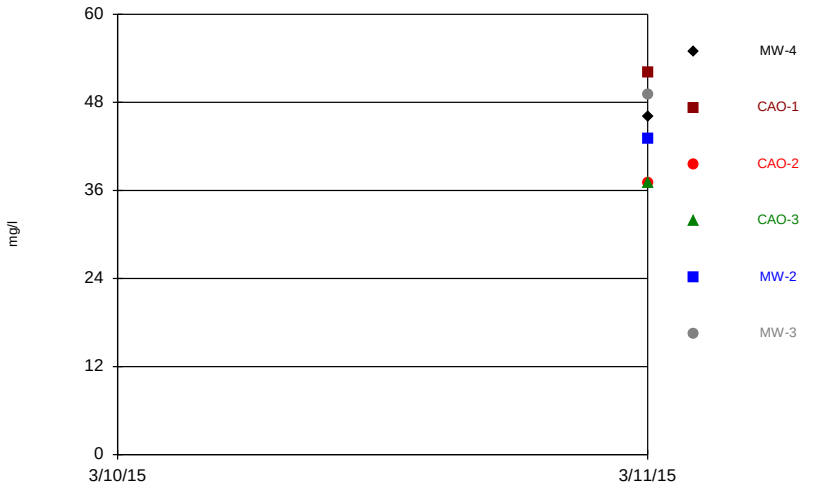
Time Series



Constituent: Lead Analysis Run 2/19/2016 11:31 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

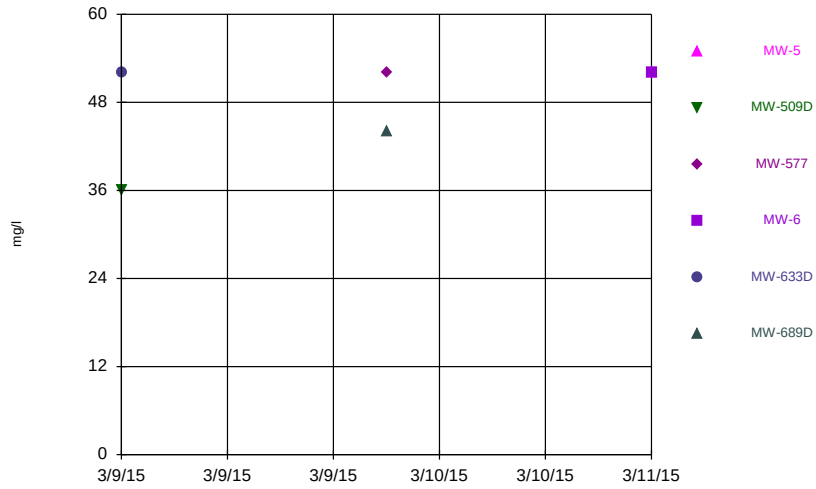
Time Series



Constituent: Magnesium Analysis Run 2/19/2016 11:31 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

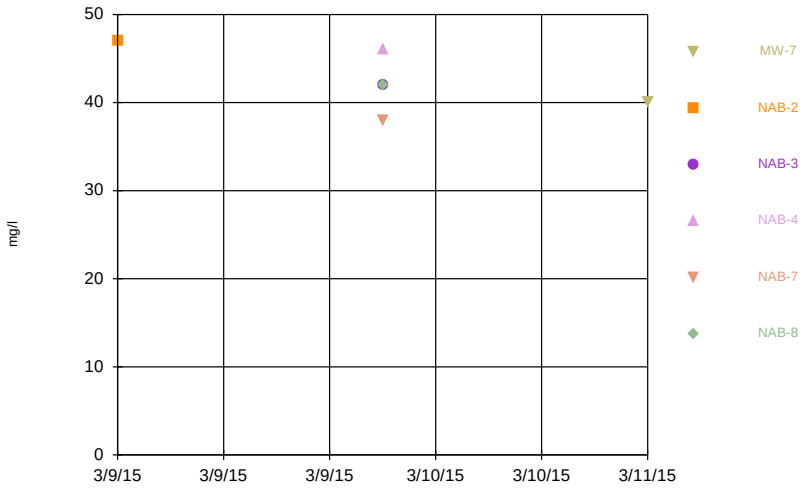
Time Series



Constituent: Magnesium Analysis Run 2/19/2016 11:31 AM
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Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

Time Series

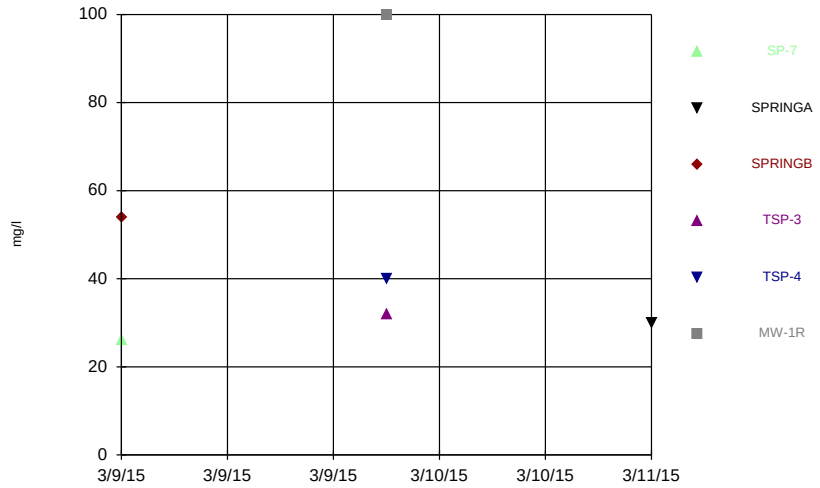


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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Time Series

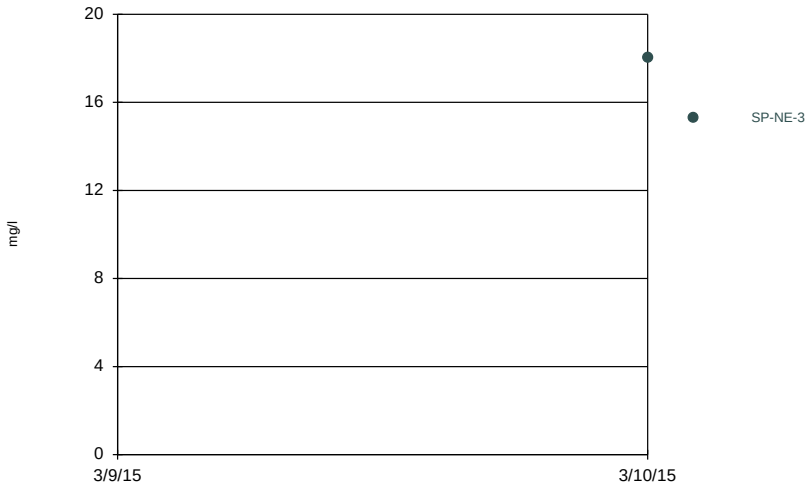


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Time Series



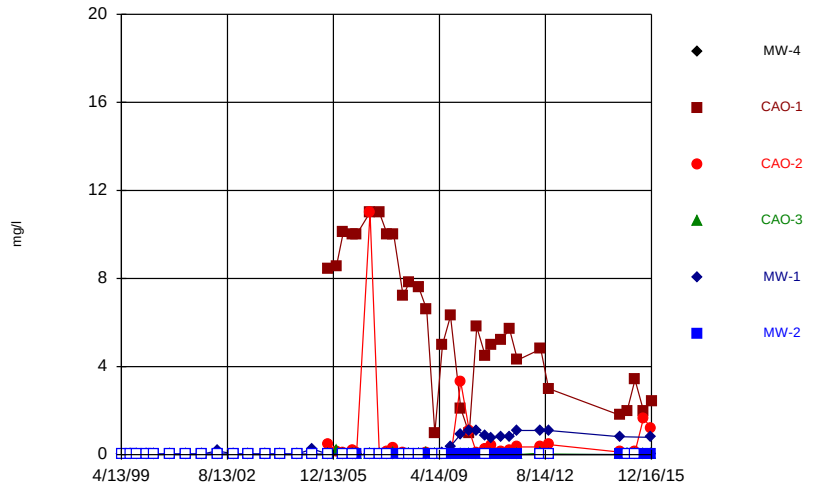
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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Hollow symbols indicate censored values.

Time Series

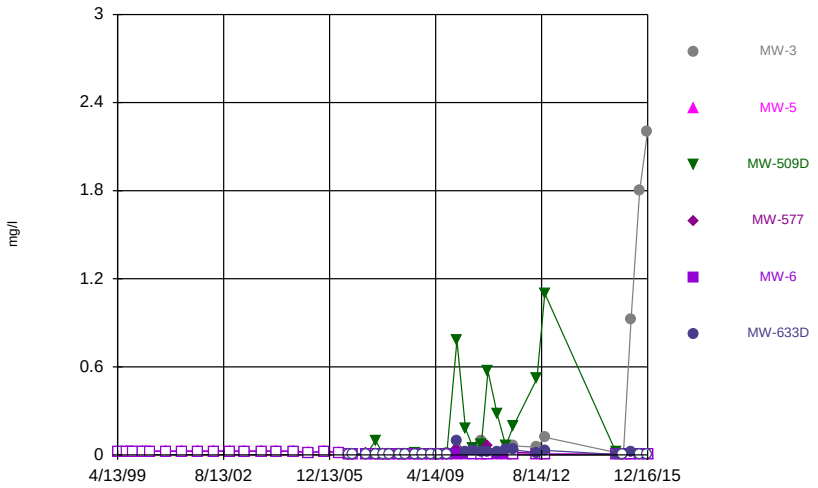


Constituent: Manganese Analysis Run 2/19/2016 11:31 AM

NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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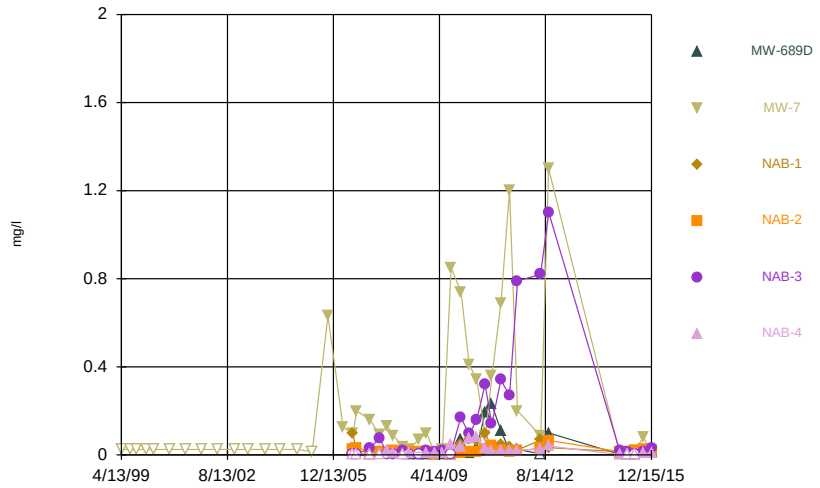
Time Series



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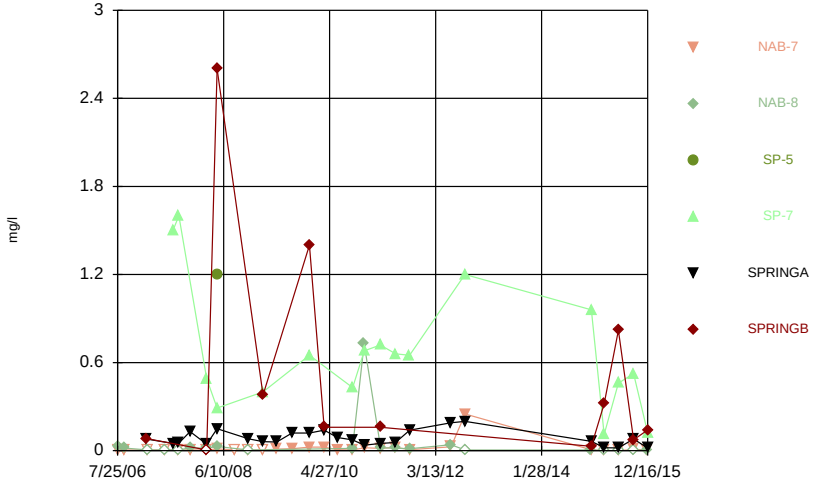
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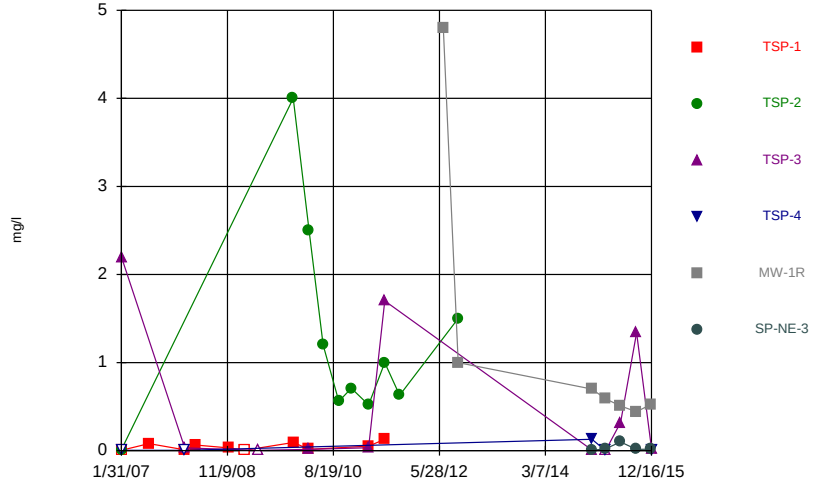
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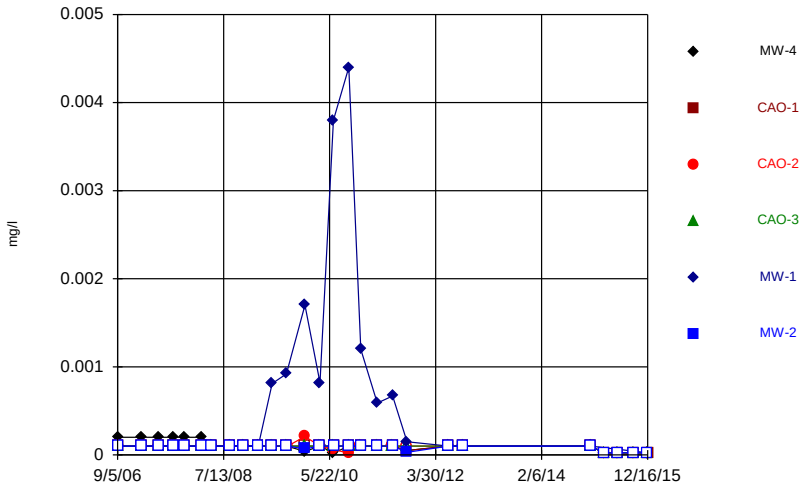
Time Series



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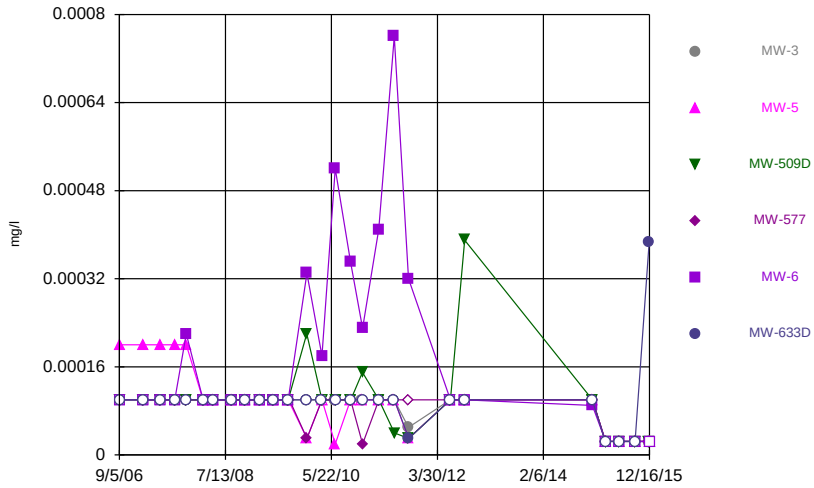
Time Series



Constituent: Mercury Analysis Run 2/19/2016 11:31 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG
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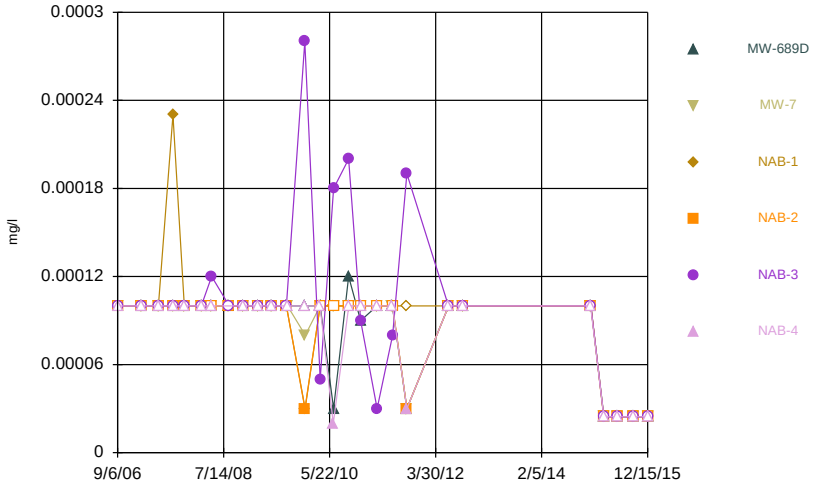
Time Series



Constituent: Mercury Analysis Run 2/19/2016 11:31 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG
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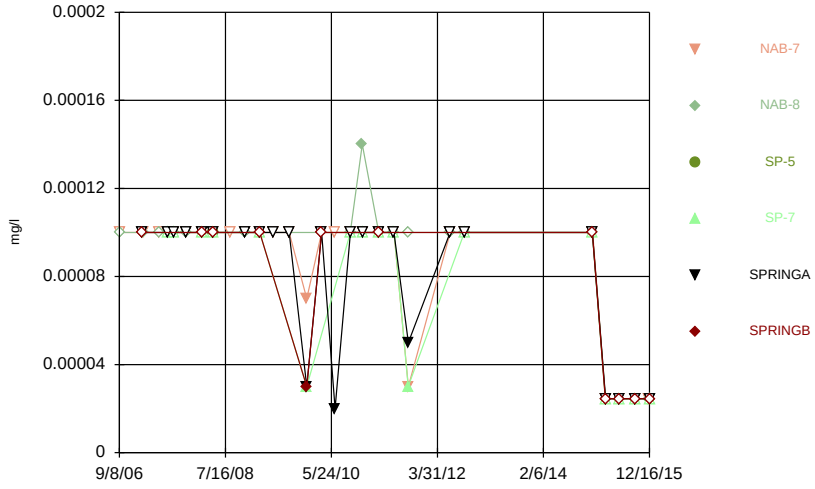
Time Series



Constituent: Mercury Analysis Run 2/19/2016 11:31 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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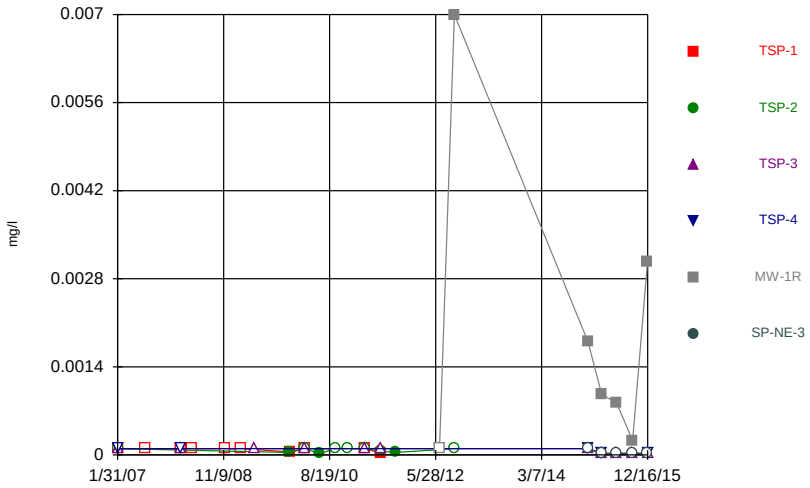
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Constituent: Mercury Analysis Run 2/19/2016 11:31 AM
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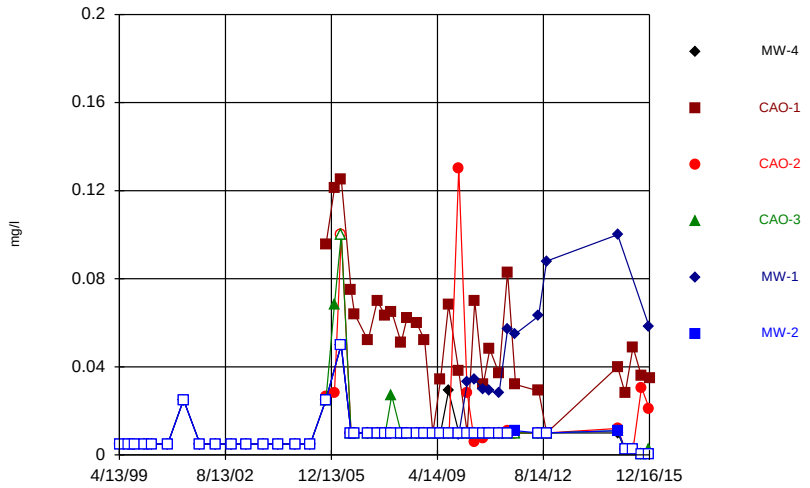
Time Series



Constituent: Mercury Analysis Run 2/19/2016 11:31 AM
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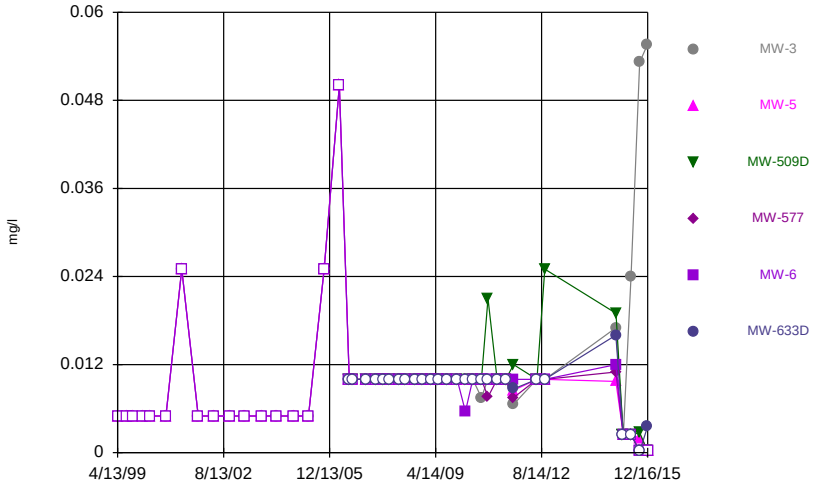
Time Series



Constituent: Nickel Analysis Run 2/19/2016 11:31 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG
Hollow symbols indicate censored values.

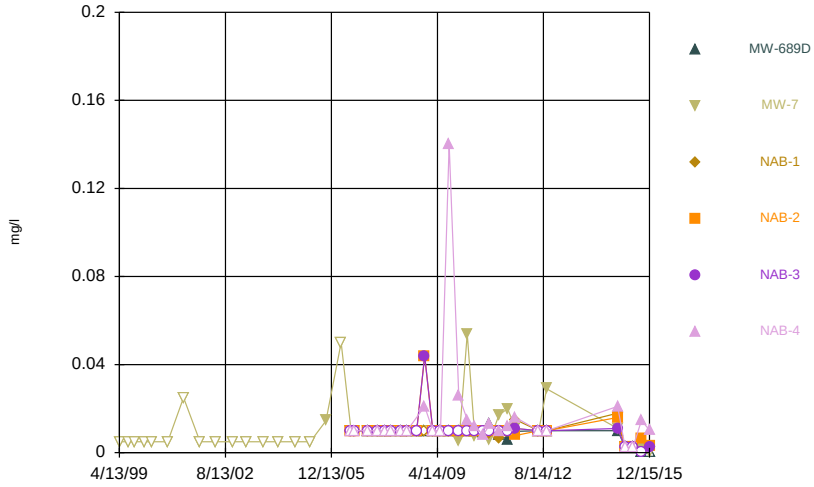
Time Series



Constituent: Nickel Analysis Run 2/19/2016 11:31 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG
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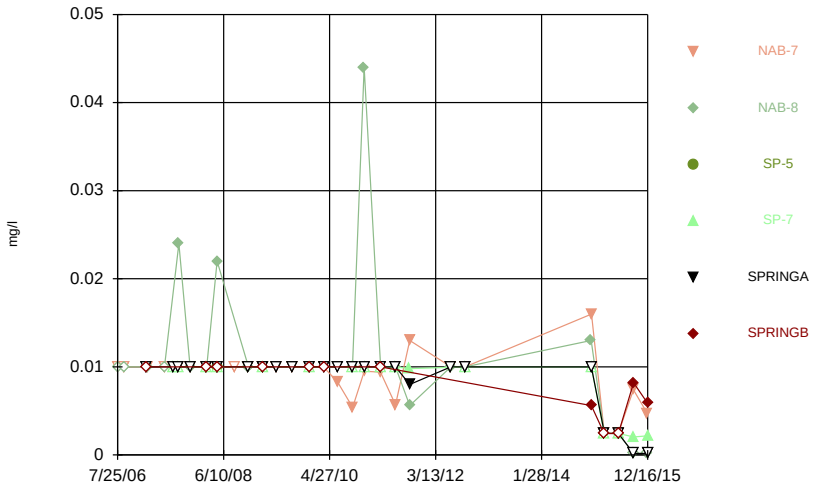
Time Series



Constituent: Nickel Analysis Run 2/19/2016 11:31 AM
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Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG
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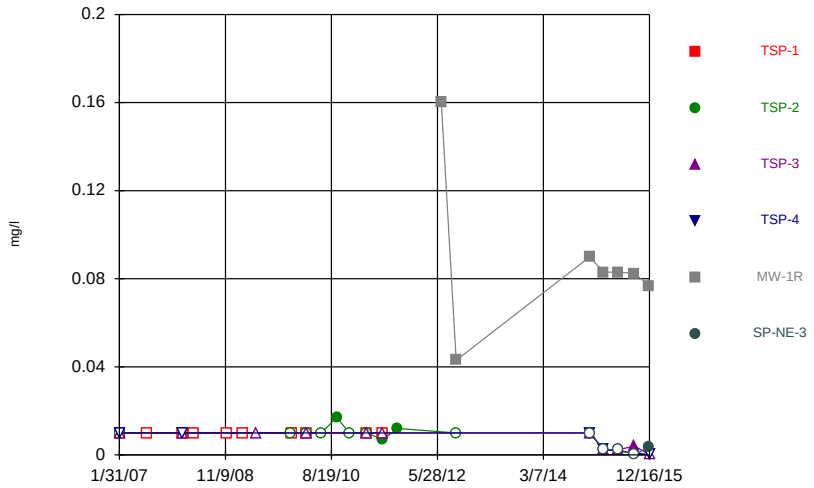
Time Series



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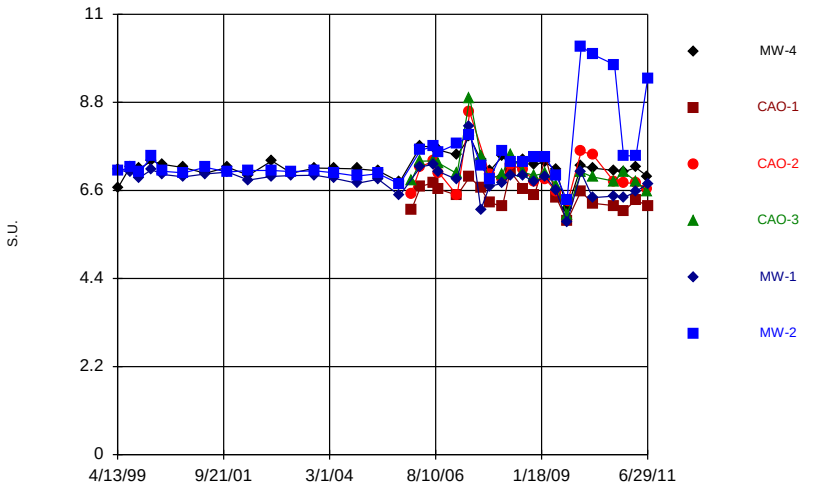
Time Series



Constituent: Nickel Analysis Run 2/19/2016 11:31 AM
NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

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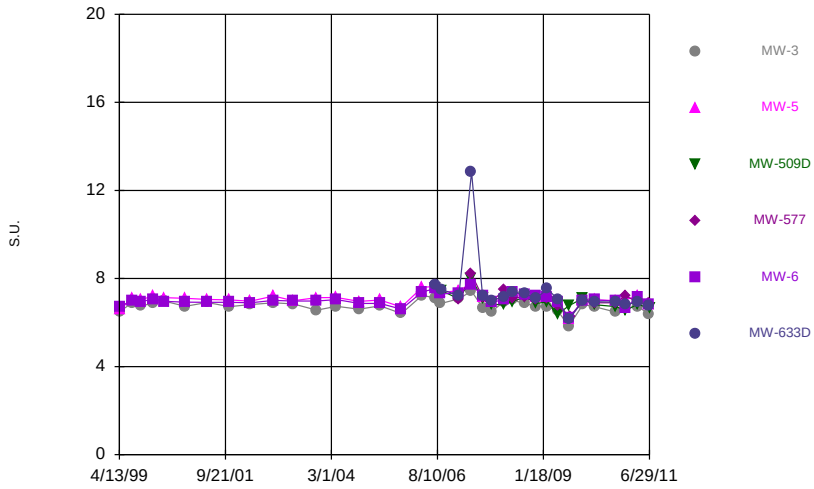
Time Series



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Sanitas™ v.9.5.22 Sanitas software licensed to SCS Engineers. UG

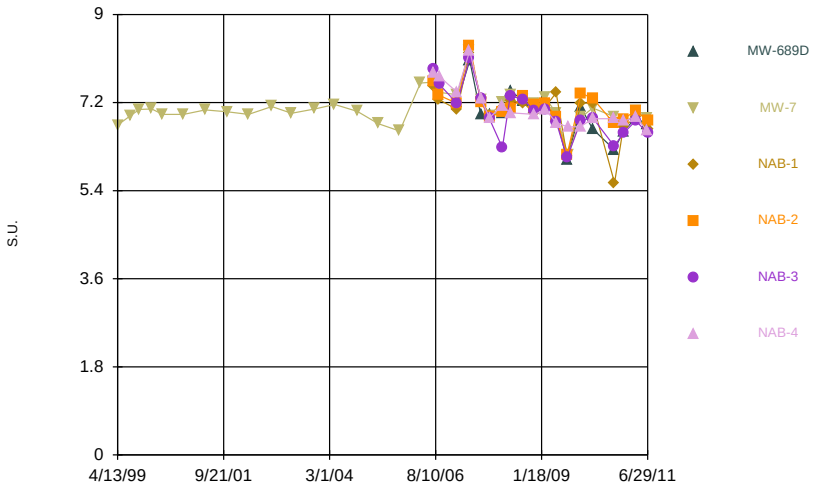
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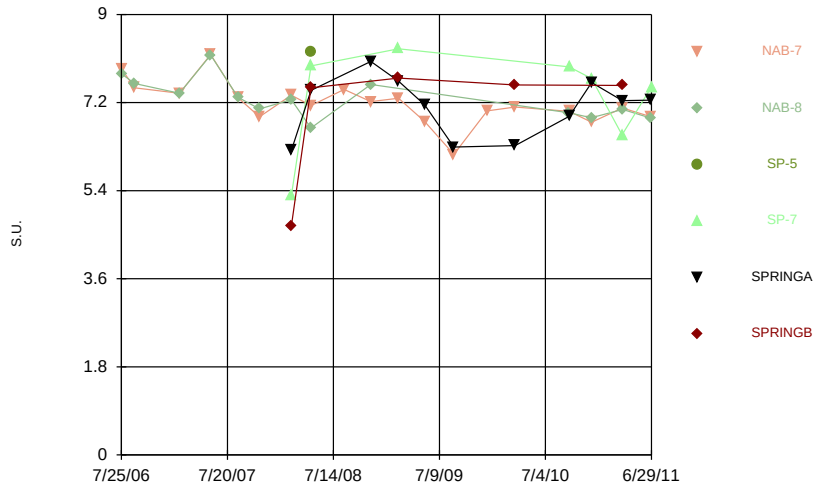


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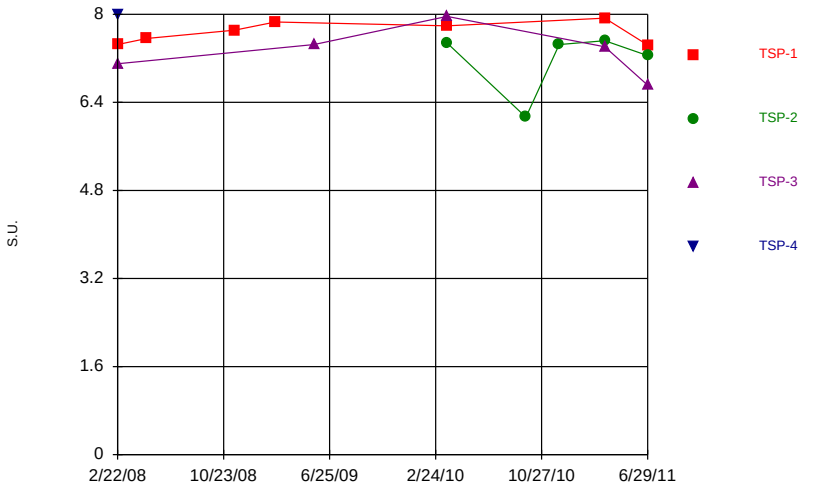


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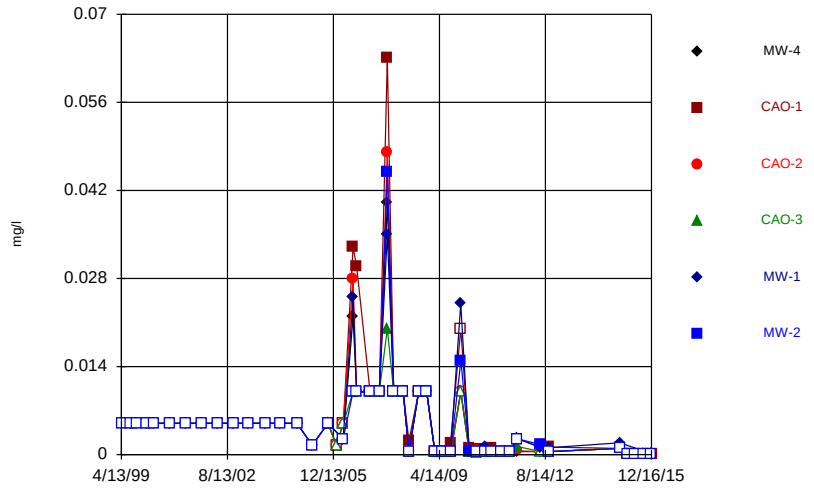
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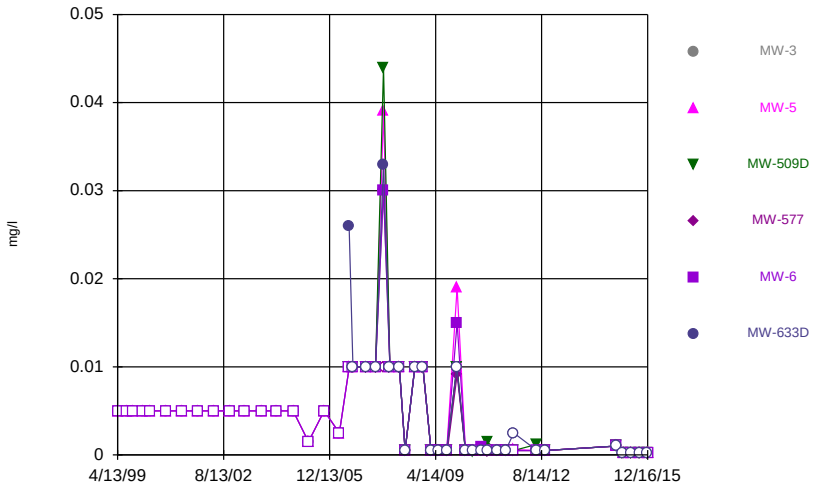


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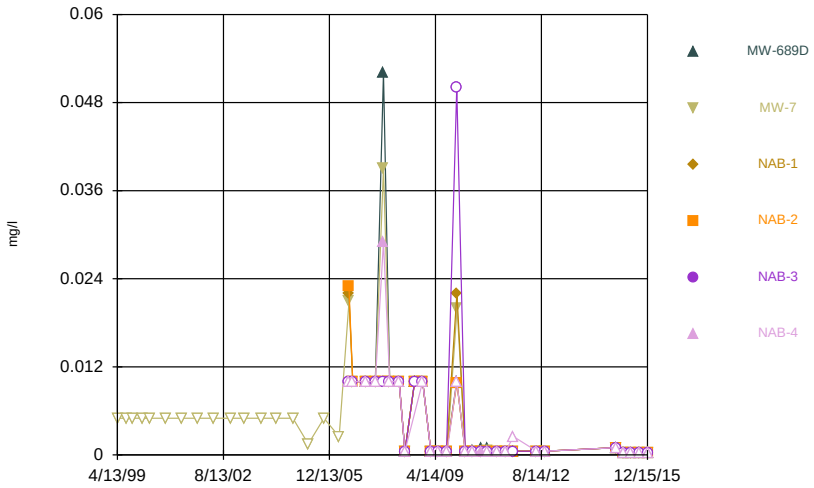
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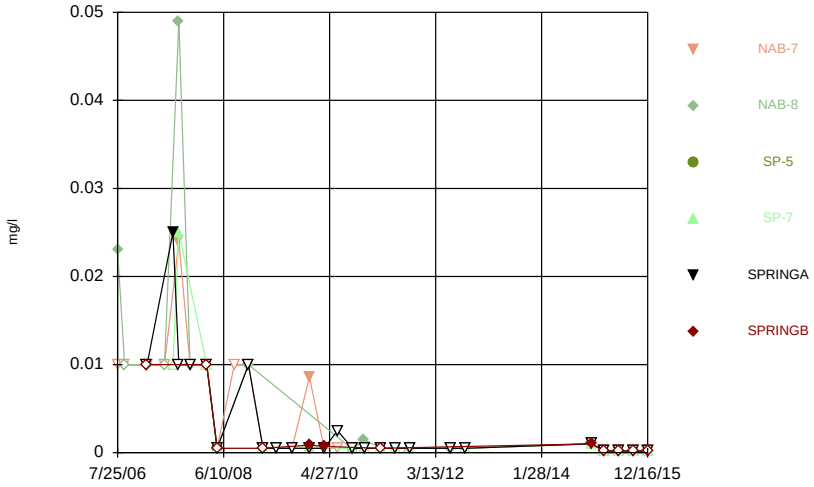
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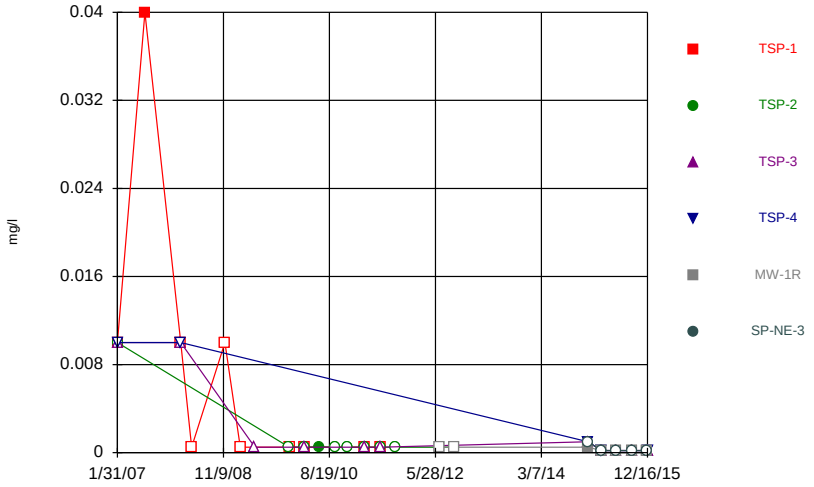
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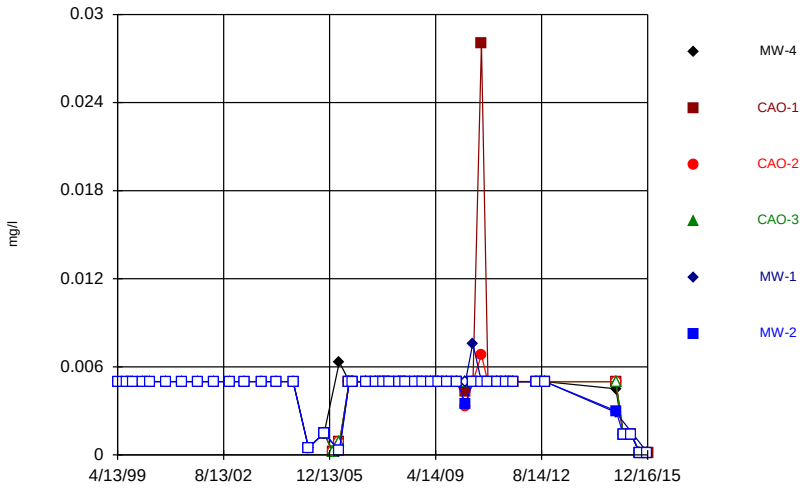
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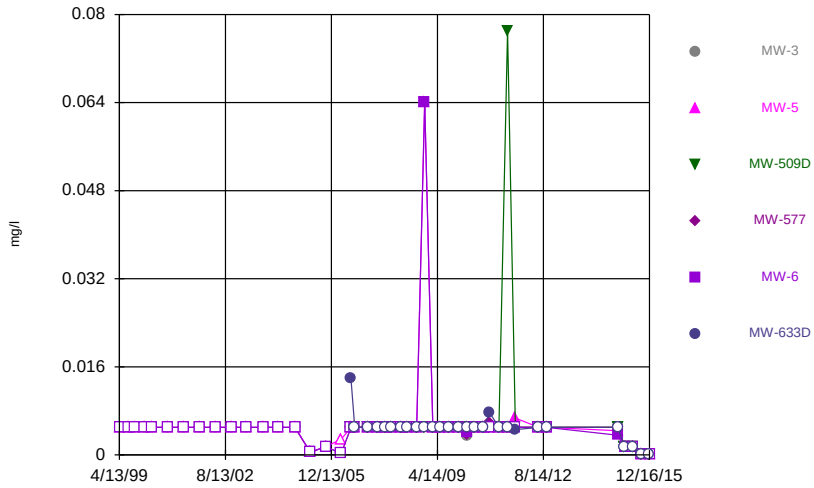
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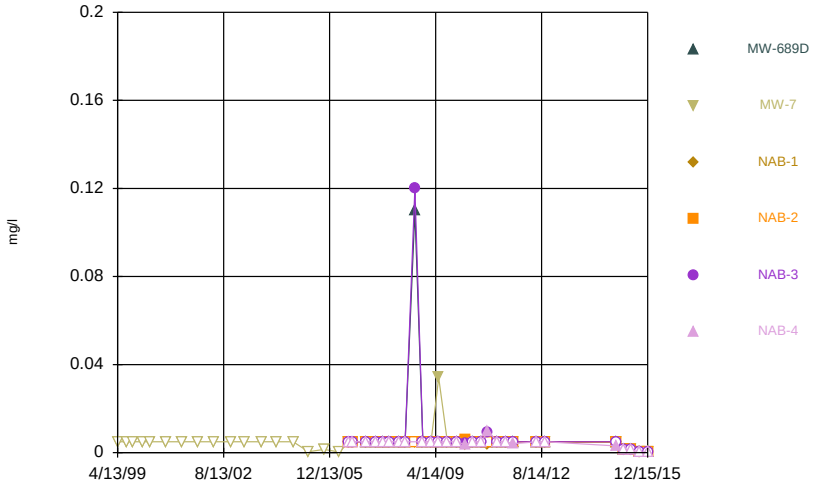
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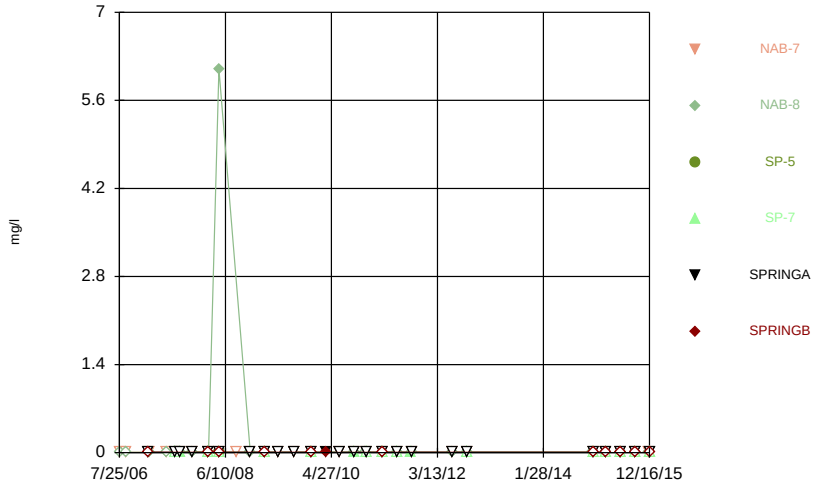
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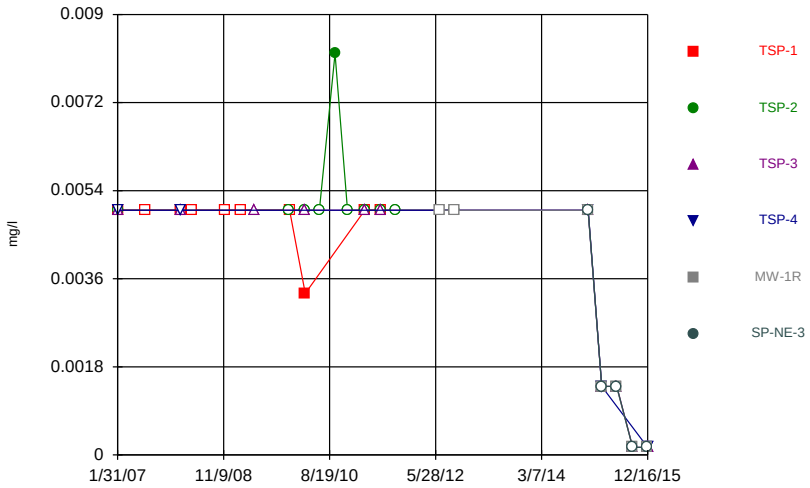
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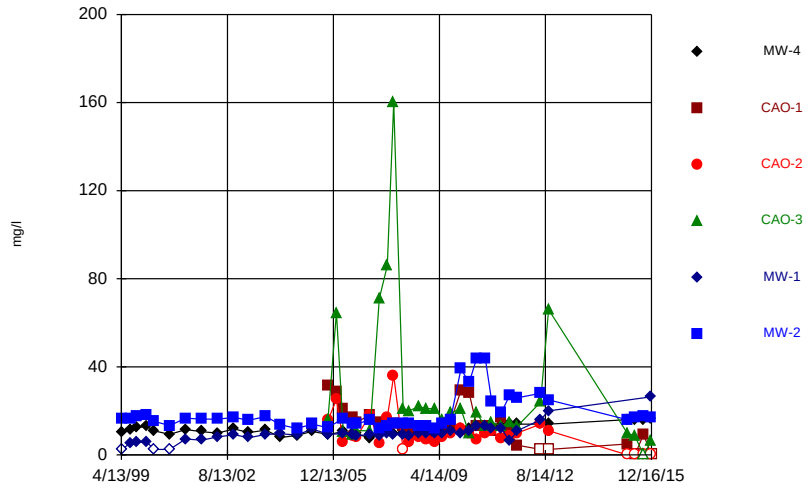
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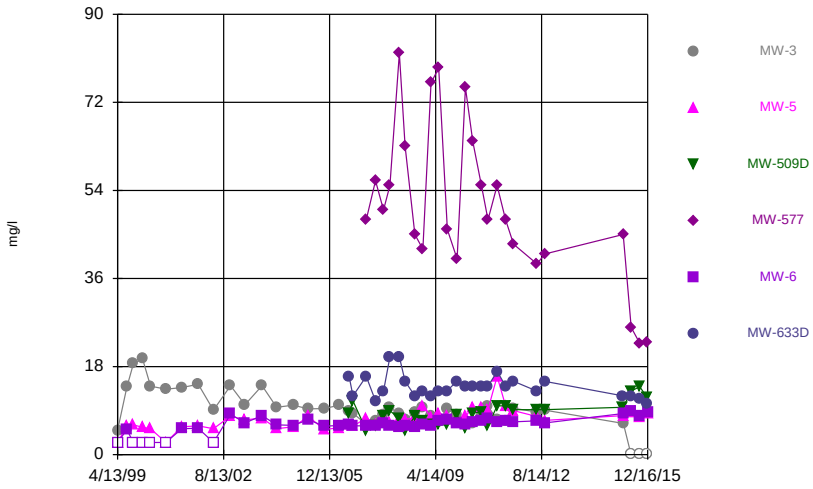
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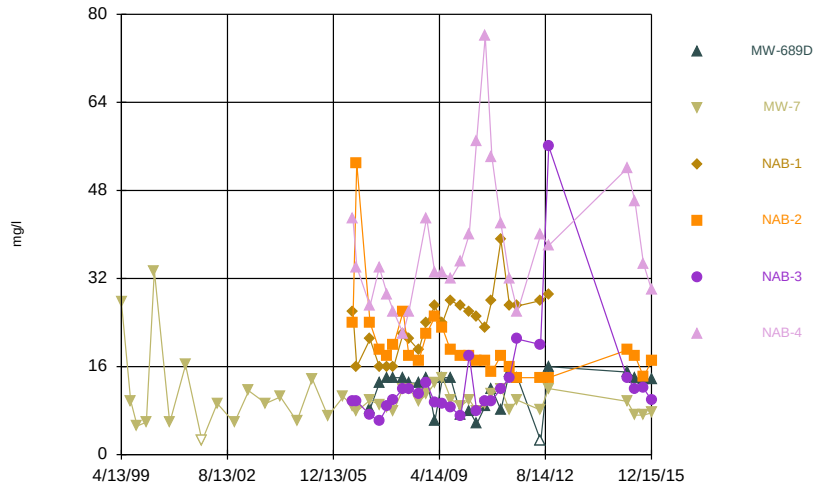
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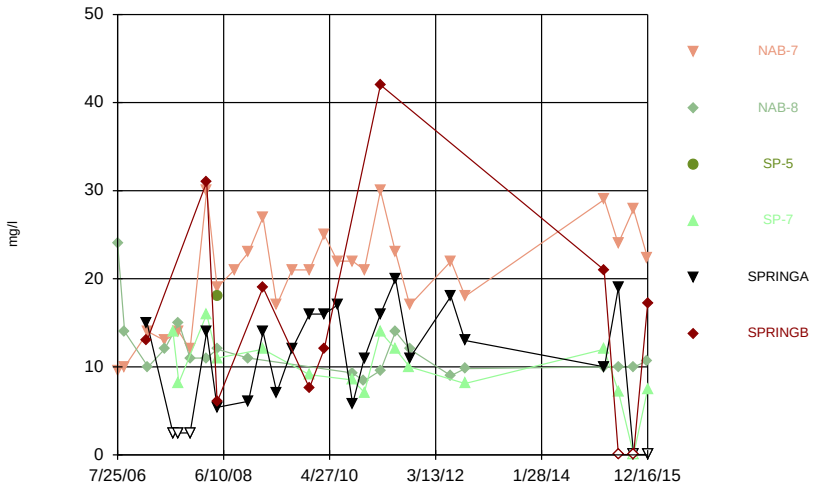
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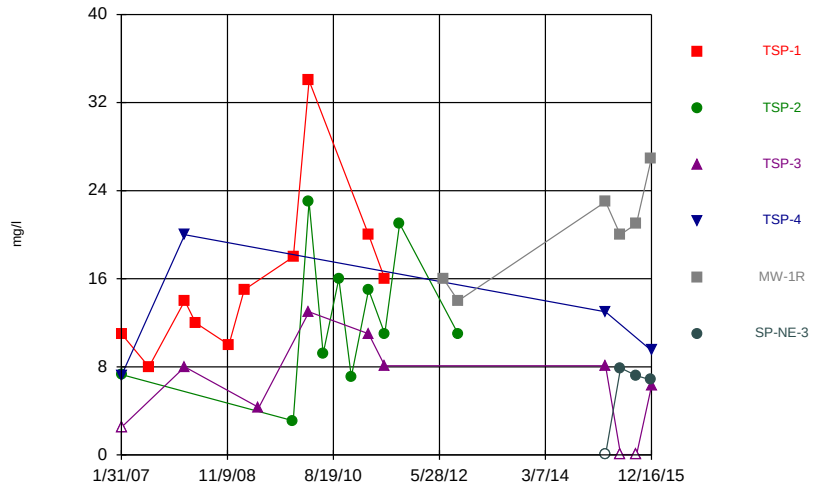
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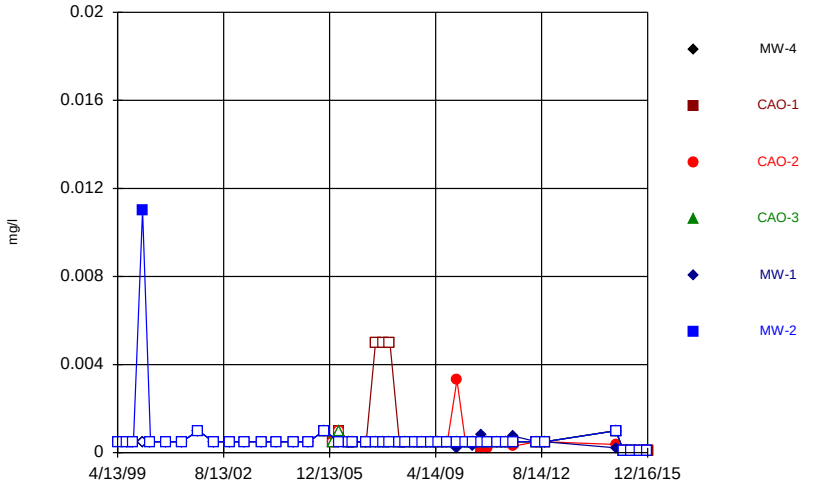
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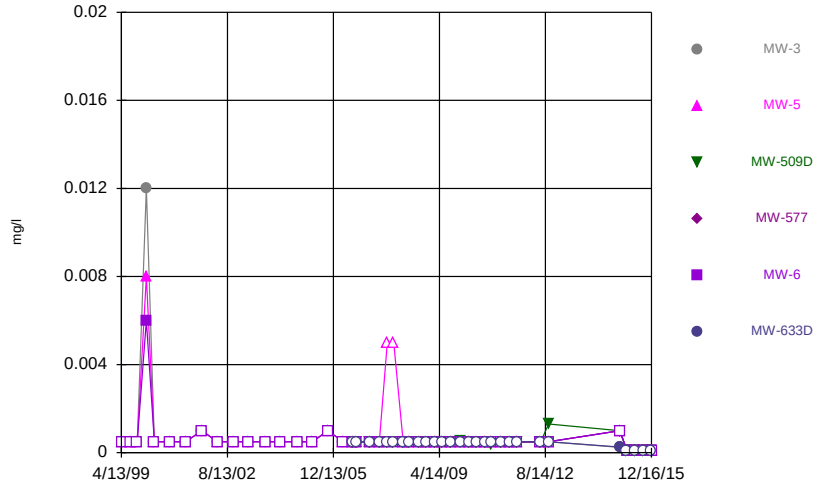
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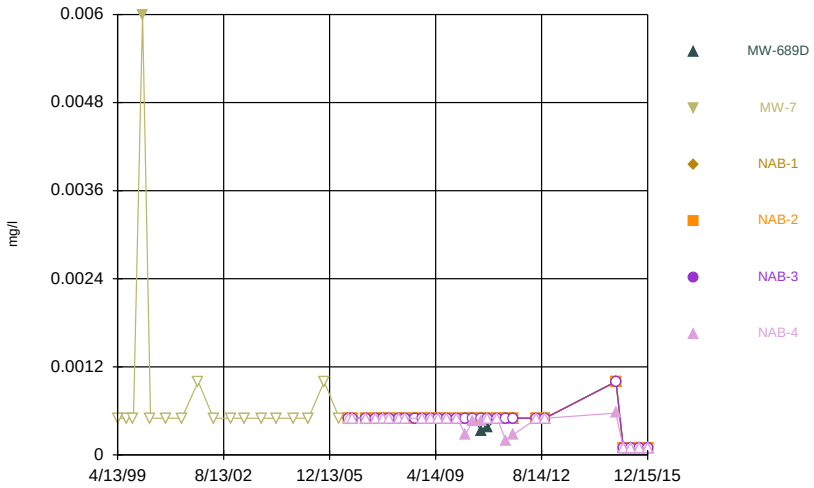
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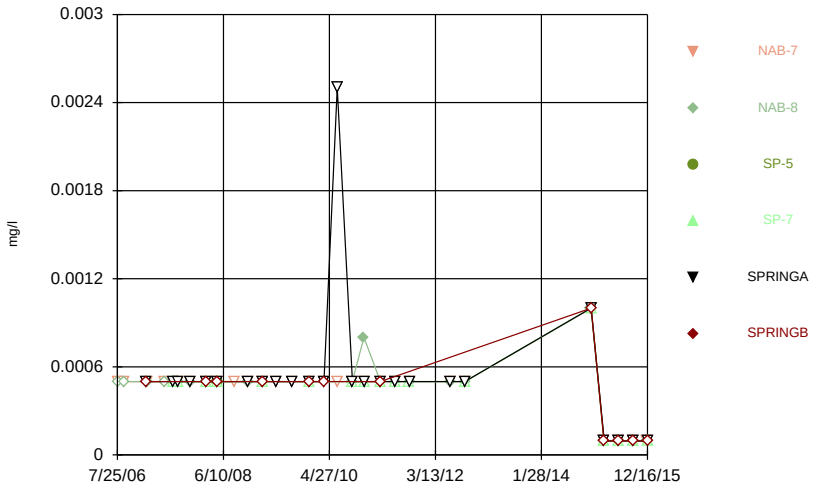
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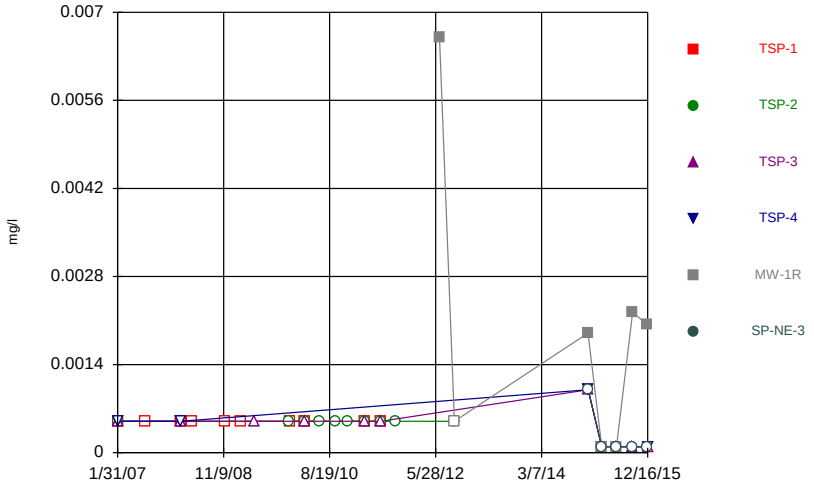
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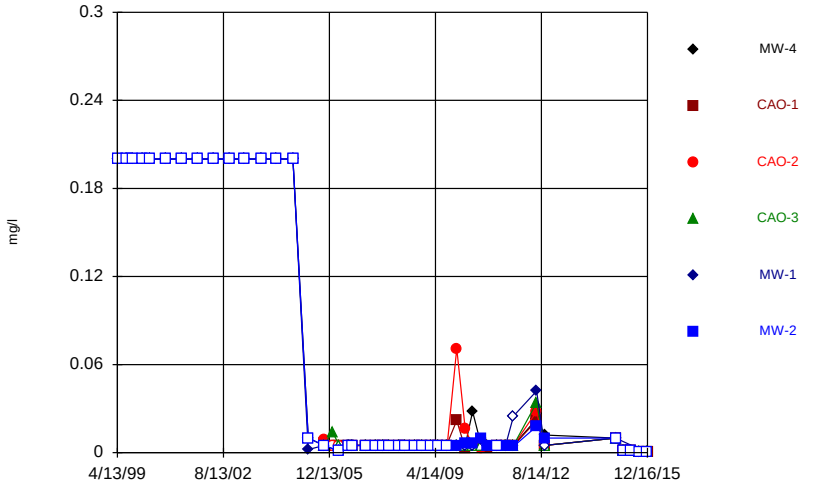
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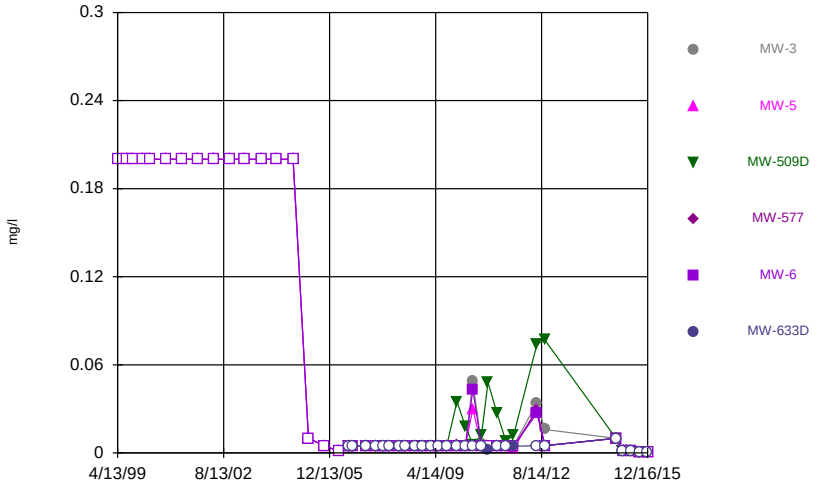
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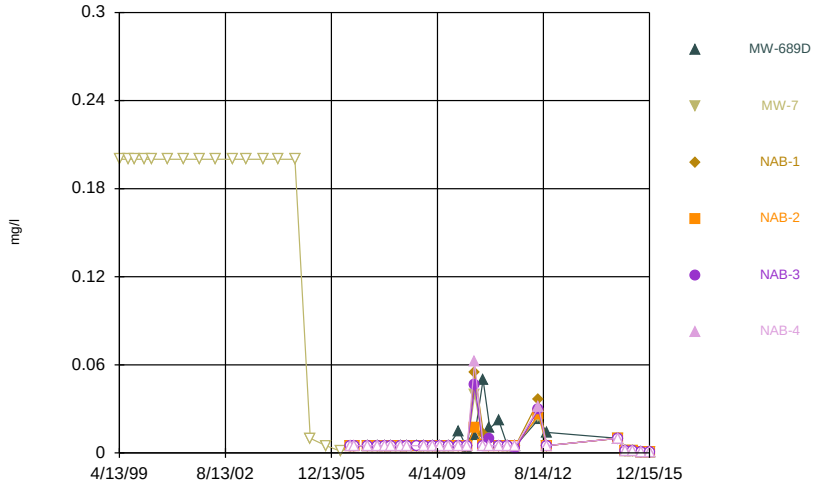
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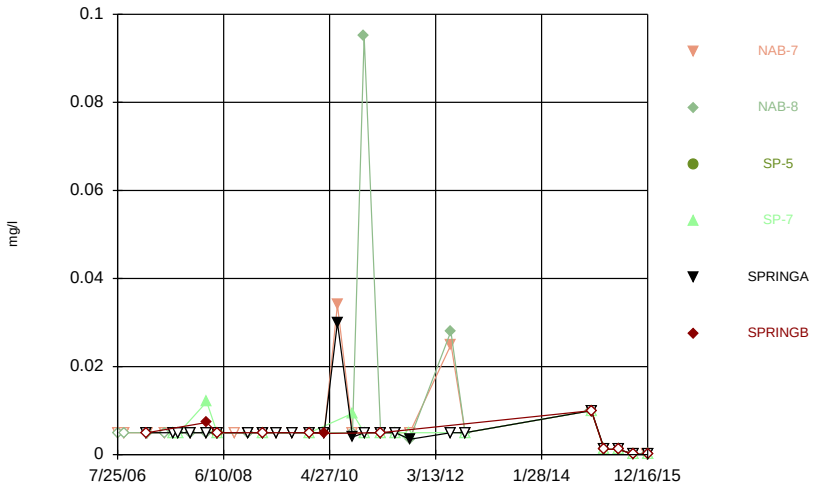
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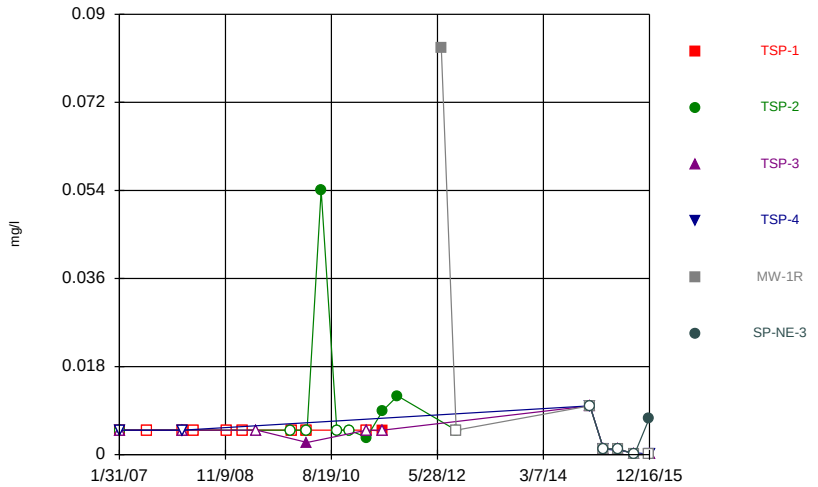
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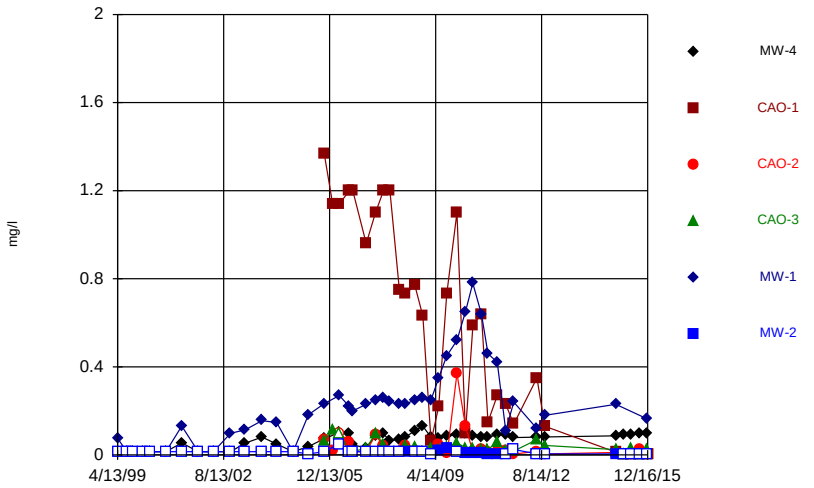
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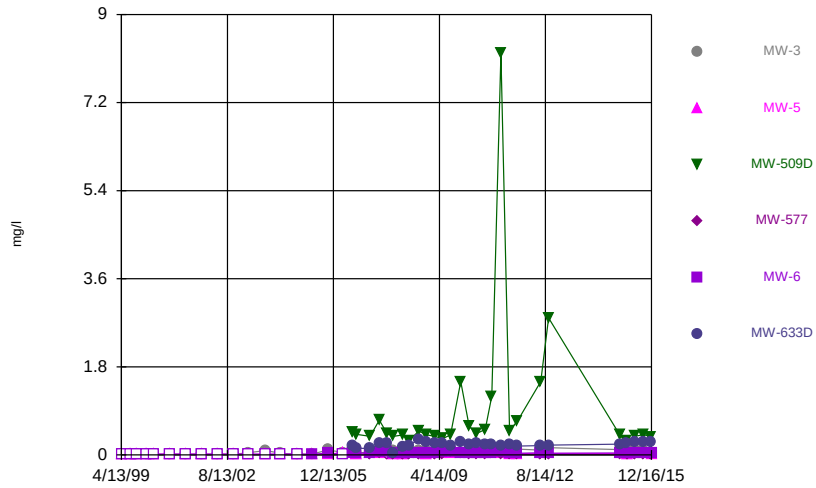
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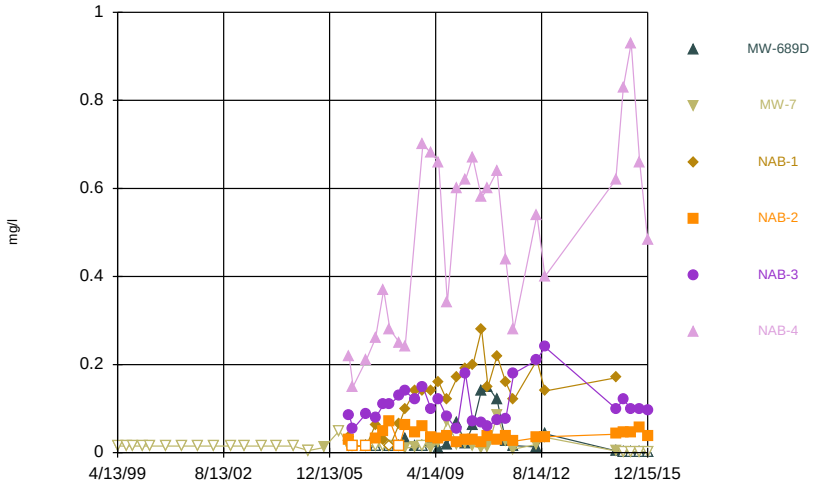
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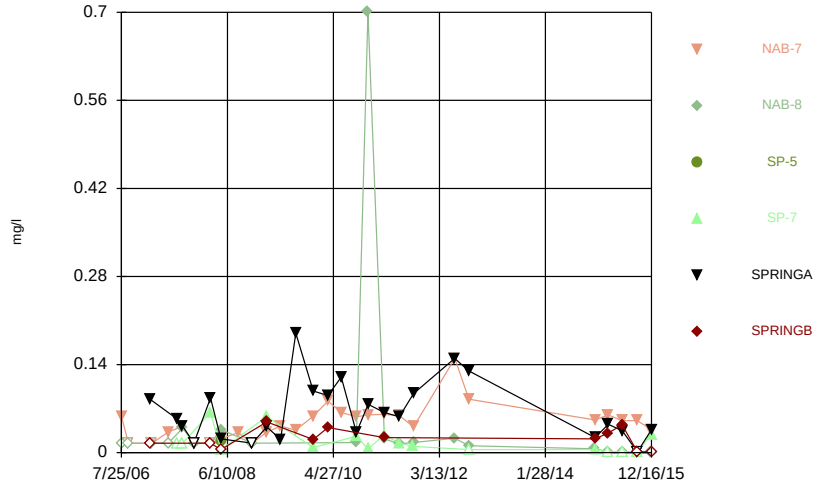
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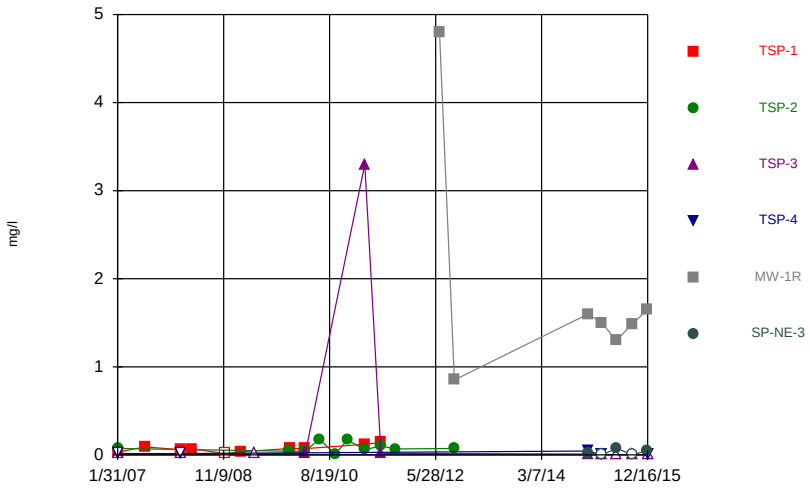
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NABORS Client: SCS Engineers Data: NABORS flat file database 9-2015 flat

December 21, 2015

Mr. Bill Sadler, P.G.
Solid Waste Division
Arkansas Department of Environmental Quality
5301 Northshore Drive
North Little Rock, AR 72118-5317

Re: **Fourth Quarter 2015 Explosive Gas Monitoring**
NABORS - Class I Landfill
AFIN: 03-0051 Permit No. 0249-S1-R2, 0249-S4

Dear Mr. Sadler:

Chimney Rock Consulting (CRC) is pleased to present you with the results of the Fourth Quarter 2015 Explosive Gas Monitoring at the NABORS – Class I Landfill (Landfill). The Fourth Quarter Explosive Gas Monitoring Event was conducted on December 17, 2015 and consisted of monitoring the site perimeter Explosive Gas Monitoring probes GP-1 through GP-18, GP-14R, GP-16R and GP-18R. In addition to these perimeter probes, the landfill office and scale house were monitored for Explosive Gas. It should be noted that GP-5, located on the southern boundary of the property, had methane readings above 100% LEL during the Fourth Quarter 2015 event.

Two (2) interior gas probes (GP-16, and GP-18) which are not point of compliance probes were monitored for information purposes. Probe readings indicated methane was above 100% LEL at GP-16 and GP-18.

As previously stated GP-16, and GP-18 are interior gas probes and not point of compliance probes. GP-15 which is located along the property boundary to the due north of GP-18 and GP-16 reported low levels of methane during the Fourth Quarter 2015 event.

The next required Quarterly Explosive Gas monitoring event for the Landfill is scheduled for March 2016. Please contact us if we can be of further service or if you have any questions concerning this report.

Sincerely,





Kiefer Vaughn
Staff Geologist

Dan McCullough
Senior Hydrogeologist/President

Attachments: *Fourth Quarter 2015 Gas Monitoring Form*
Explosive Gas Probe Location Map

NABORS Landfill

QUARTERLY GAS MONITORING FORM

EVENT: Fourth Quarter 2015 **DATE:** 12/17/2015

WEATHER CONDITIONS: Sunny, 5 mph wind, Pressure 30.01 in **TEMP:** 33.5° F

SAMPLE POINT	TIME	% CH4	METHANE (%LEL)	% O2
GP-1	0645	0.0		19.4
GP-2	0648	0.0		17.2
GP-3	0651	0.0		19.9
GP-4	0658	0.0		6.9
GP-5	0654	12.6		3.2
GP-6	0701	0.0		2.5
GP-7	0704	0.0		5.2
GP-8	0707	0.0		5.9
GP-9	0710	0.0		17.5
GP-10	0713	0.0		19.1
GP-11	0715	0.0		15.2
GP-12	0720	0.0		18.7
GP-13	0723	0.0		5.7
GP-14	0729	0.0		1.6
GP-15	0732	0.7		6.4
GP-16	0740	13.7		2.0
GP-17	0743	0.0		7.3
GP-18	0750	9.4		4.8
GP-14R	0726	0.0		15.6
GP-16R	0735	0.0		16.7
GP-18R	0746	0.0		6.1
Scale House	0810	0.0		16.3
Office	0805	0.0		19.7
Office 2nd Room	0807	0.0		19.6
2nd Reading GP-5	0759	15.0		2.5
2nd Reading GP-16	0820	14.0		2.0
2nd Reading GP-18	0840	9.4		4.7

Notes: GP-6 has risen up-lid.