DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- In accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

SCS Engineers - Consultant; Pace Labs - Laboratory

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: C. Ed Hilton, Jr., P.E. Phone: 813-621-0080

E-mail: ehilton@scsengineers.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Buncombe County New Landfill	85 Panther Branch Road Alexander, North Carolina 28701	11-07	.1600	September 30 - October 5, 2009

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☒ Detection Monitoring ☐ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☒ Leachate monitoring data
☒ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify)
☐ Other(specify)

Notification attached?

☐ No. No groundwater or surface water standards were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

C. Ed Hilton, Jr., P.E. Project Director 813-621-0080

Facility Representative Name (Print) Title (Area Code) Telephone Number

C. Ed Hilton Jr 12/22/09

Signature Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA PROFESSIONAL SEAL 7909 ENGINEER C. EDWARD HILTON, JR.

C. Edward Hilton Jr 12/22/09

Revised 01/2007

ATTACHMENT TO NC DENR ENVIRONMENTAL MONITORING REPORT FORM

FALL 2009 STATISTICAL ANALYSIS

NEW BUNCOMBE COUNTY LANDFILL PERMIT # 11-07

Constituents detected during the Fall 2009 sampling event were analyzed in order to determine whether there is statically significant evidence of contamination. This analysis was conducted by calculating Tolerance Intervals using background and compliance well data and the non-parametric method specified in EPA, 1992[1]. Additionally, a two-sample test of proportions was conducted by comparing the compliance locations to background locations and compliance limits using the non-parametric test as provided in the U.S. Navy 1999 Guidance Document[2]. Background concentrations from the shallow monitoring well (MW-1) were compared to shallow compliance well MW-2 through MW-14 (installed April 5, 2006), with the exception of MW-9 which is no longer in service. The background concentrations from the deep monitoring well (MW-1D) were compared to the deep compliance wells (MW-2D, MW-4D, MW-5D, and MW-8D through MW-14D), again with the exception of MW-9D which is no longer in service. Tolerance Interval calculations and the two-sample test of proportions are provided in the attached tables.

Compliance well concentrations fell outside calculated Tolerance Intervals for: cobalt (MW-2) and lead (MW-2). North Carolina Department of Environment and Natural Resources (NCDENR's) groundwater quality standard was not exceeded for cobalt. The lead concentration at MW-2 (27.7 ug/L) slightly exceeded the groundwater quality standard (15 ug/L) and is likely the result of elevated turbidity. Additionally, chromium at MW-2 (72.4 ug/L) exceeded the groundwater quality standard (50 ug/L) and is likely the result of elevated turbidity. Manganese concentrations at background well MW-1 (200 ug/L) and compliance well MW-12 (182 ug/L) exceed the groundwater quality standard (50 ug/L) and is likely the result of background conditions. The two-sample test of proportions indicated these exceedances are not statistically significant.

Site ID's designated as LD or Leachate are liner detections or leachate which are not part of the groundwater. Historically, background and compliance wells, typically have shown the presence of metals. We believe that this is a naturally occurring phenomena which has been present based on historical test results.

Reference:

[1] EPA, 1992. Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Addendum to Interim Final Guidance, Office of Solid Waste. Washington, D.C.

[2] U.S. Navy, 1999, Handbook for Statistical Analysis of Environmental Background Data, Prepared by SWDIV and EFA West of Naval Facilities Engineering Command, July 1999.

WELL CONDITION SUMMARY

Site: Buncombe County New Landfill **Personnel:** MPS

Date: 10-1-09 & 10-2 **Page** 1 of 5

Well ID	Protective Casing	Well Casing	Label	Lock	Sample Equipment Type	Comments/Observations*
MW-1	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☐ OK ☐ Inadequate	☑ Yes ☐ No	TFE BAILER	purged 2.00 gal SLIGHTLY TURBID NO ODOR
MW-1D	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	TFE BAILER	purged - DRYE 7.25 gallon CLEAR NO ODOR
MW-2	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	TFE BAILER	CLOUDY NO ODOR Purged 7.00 GALL NO ODOR
MW-2D	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	PUMP TFE BAILER	CLEAR NO ODOR Purged 24 gal
MW-3	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	TFE BAILER	CLOUDY ~~SLIGHT~~ NO ODOR Purged 1.5 gal
MW-4	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	TFE BAILER	Purged CLOUDY NO ODOR DRYE 3.75
MW-4D	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	TFE BAILER	purged 20 gallon CLEAR NO ODOR

*Note ponding water, weep holes, or any other information pertaining to well condition. Provide additional details on listed items.
Return this form to SCS Engineers

WELL F

MW-5	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	TFE Bailer	Purged today 6.25 gall CLEAR, NO ODOR
MW-5D	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	Pump Disp Bailer	Purged 25 gallon CLEAR / NO ODOR
MW-6	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	Disp TFE Bailer	Purged 11 gal CLEAR, NO ODOR

*Note ponding water, weep holes, or any other information pertaining to well condition. Provide additional details on listed items.
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WELL CONDITION SUMMARY

Site: Buncombe County New Landfill

Personnel: MPS

Date: 10-1 & 10-2

Page 3 **of** 5

Well ID	Protective Casing	Well Casing	Label	Lock	Sample Equipment Type	Comments/Observations*
MW-7	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	TFE Bailer	PURGED 3.5 GAL Clear Organic odor
MW-8	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	TFE Bailer	Great Access purged DRY to 11.75 CLEAR NO ODOR
MW-8D	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	TFE ~~Bailer~~ Disp ~~Purged~~ Pump purged	purged 30 gal CLEAR NO ODOR
MW-10	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☐ OK ☐ Inadequate	☑ Yes ☐ No	TFE BAILER	purged 1.5 gallon cloudy NO ODOR
MW-10D	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☐ OK ☐ Inadequate	☑ Yes ☐ No	Pump Sampled TFE BAILER	Pumped DRY @ 9.00 GAL SLIGHTLY TO cloudy NO ODOR
MW-11	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	TFE BAILER	purged 9.00 GAL CLEAR NO ODOR
MW-11D	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	PUMP DISP BAILER	purged 16 GAL CLEAR NO ODOR

*Note ponding water, weep holes, or any other information pertaining to well condition. Provide additional details on listed items.
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	d	d				
MW-12	☑ OK ☐ Damage d	☑ OK ☐ Damage d	☑ OK ☐ Inadequate	☑ Yes ☐ No	TFE BAILER	PURGED 3.00 GALL CLOUDY NO ODOR
MW-12D	☑ OK ☐ Damage d	☑ OK ☐ Damage d	☑ OK ☐ Inadequate	☑ Yes ☐ No	TFE BAILER	PURGED 12.5 GALL CLEAR NO ODOR
MW-13	☑ OK ☐ Damage d	☑ OK ☐ Damage d	☑ OK ☐ Inadequate	☐ Yes ☐ No	TFE BAILER	PURGED 6.5 gall CLEAR NO ODOR

*Note ponding water, weep holes, or any other information pertaining to well condition. Provide additional details on listed items.
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WELL CONDITION SUMMARY

Site: Buncombe County New Landfill

Date: 10-1-09 & 10-2

Personnel: MPJ

Page 5 of 5

Well ID	Protective Casing	Well Casing	Label	Lock	Sample Equipment Type	Comments/Observations*
MW-13D	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	TFE BAILER	PURGED 20 gallon CLEAR NO ODOR
MW-14	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	TFE	PURGED 10 gall CLOUDY NO ODOR
MW-14D	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	PUMP TFE BAILER	PUMP DRYE 9.5 ~~bot~~ Bees get in Well Lid Well Lid over WILL NOT CLOSE, PVC CASING TOO TALL CONCRETE PAD UNDER MOWED, ROCKY ↑ CLEAR, NO ODOR
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No		
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No		
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No		
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No		

*Note ponding water, weep holes, or any other information pertaining to well condition. Provide additional details on listed items.
Return this form to SCS Engineers

Detections by Date Range

Buncombe County New Facility

From: 9/30/2009 ***To:*** 10/5/2009

Site ID	*Analyte*	*Date*	*Result*
SW-4			
	Chromium		
		9/30/2009	25.7 ug/L
	Copper		
		9/30/2009	21.7 ug/L
	Nickel		
		9/30/2009	23.7 ug/L
	Zinc		
		9/30/2009	44.8 ug/L
SW-5			
	Chromium		
		9/30/2009	9.6 ug/L
	Copper		
		9/30/2009	5.3 ug/L
	Nickel		
		9/30/2009	8.5 ug/L
	Zinc		
		9/30/2009	11.9 ug/L

Exceedances by Date Range

Buncombe County New Facility

From: 9/30/2009 ***To:*** 10/5/2009

Site ID	*Analyte*		*Date*	*Result*
MW-1				
	Manganese			
	DENR WQS:	50 ***ug/l***		
			10/2/2009	200 ug/L
MW-12				
	Manganese			
	DENR WQS:	50 ***ug/l***		
			10/2/2009	182 ug/L
MW-2				
	Chromium			
	DENR WQS:	50 ***ug/l***		
			10/1/2009	72.4 ug/L
	Lead			
	DENR WQS:	15 ***ug/l***		
			10/1/2009	27.7 ug/L

Detections By Date Range

Buncombe County New Facility

From: 9/30/2009 ***To:*** 10/5/2009

Site ID	*Analyte*	*Date*	*Result*
MW-1			
	Chloride		
		10/2/2009	5900 ug/L
	Chromium		
		10/2/2009	27.1 ug/L
	Copper		
		10/2/2009	29.5 ug/L
	Manganese		
		10/2/2009	200 ug/L
	Nickel		
		10/2/2009	20.3 ug/L
	Sulfate		
		10/2/2009	19800 ug/L
	Total Dissolved Solids		
		10/2/2009	116000 ug/L
	Zinc		
		10/2/2009	34.8 ug/L
MW-10			
	Chromium		
		10/1/2009	7.5 ug/L
	Copper		
		10/1/2009	10.3 ug/L
	Nickel		
		10/1/2009	5.9 ug/L
	Zinc		
		10/1/2009	28.5 ug/L
MW-10D			
	Copper		
		10/1/2009	5.8 ug/L
	Nickel		
		10/1/2009	9.5 ug/L
MW-11			
	Nickel		
		10/5/2009	31.6 ug/L

Site ID	Analyte	Date	Result
MW-12			
	Chloride		
		10/2/2009	18600 ug/L
	Chromium		
		10/2/2009	5.6 ug/L
	Copper		
		10/2/2009	6.1 ug/L
	Manganese		
		10/2/2009	182 ug/L
	Nickel		
		10/2/2009	14.6 ug/L
	Sulfate		
		10/2/2009	53600 ug/L
	Total Dissolved Solids		
		10/2/2009	282000 ug/L
MW-12D			
	Manganese		
		10/2/2009	23.5 ug/L
		10/2/2009	23.5 ug/L
	Nickel		
		10/2/2009	12.7 ug/L
		10/2/2009	12.7 ug/L
	Sulfate		
		10/2/2009	28800 ug/L
		10/2/2009	28800 ug/L
	Total Dissolved Solids		
		10/2/2009	124000 ug/L
		10/2/2009	124000 ug/L
	Zinc		
		10/2/2009	12.2 ug/L
		10/2/2009	12.2 ug/L
MW-13D			
	Nickel		
		10/2/2009	29.0 ug/L
MW-14			
	Manganese		
		10/2/2009	24.9 ug/L
	Nickel		
		10/2/2009	5.0 ug/L
	Sulfate		
		10/2/2009	28900 ug/L
	Zinc		
		10/2/2009	10.7 ug/L

Site ID	Analyte	Date	Result
MW-14D			
	Sulfate		
		10/2/2009	16000 ug/L
	Total Dissolved Solids		
		10/2/2009	180000 ug/L
	Zinc		
		10/2/2009	11.1 ug/L
MW-1D			
	Chloride		
		10/2/2009	6300 ug/L
	Manganese		
		10/2/2009	15.4 ug/L
	Nickel		
		10/2/2009	6.4 ug/L
	Total Dissolved Solids		
		10/2/2009	164000 ug/L
	Zinc		
		10/2/2009	12.2 ug/L
MW-2			
	Chromium		
		10/1/2009	72.4 ug/L
	Copper		
		10/1/2009	53.0 ug/L
	Lead		
		10/1/2009	27.7 ug/L
	Nickel		
		10/1/2009	84.8 ug/L
	Zinc		
		10/1/2009	316 ug/L
MW-2D			
	Zinc		
		10/1/2009	16.1 ug/L
MW-3			
	Chromium		
		10/1/2009	10.1 ug/L
	Copper		
		10/1/2009	7.6 ug/L
	Nickel		
		10/1/2009	24.3 ug/L
	Zinc		
		10/1/2009	13.6 ug/L
MW-4			
	Nickel		
		10/2/2009	6.2 ug/L

Site ID	Analyte	Date	Result
MW-4D			
	Chromium		
		10/2/2009	14.7 ug/L
	Copper		
		10/2/2009	17.4 ug/L
	Nickel		
		10/2/2009	13.2 ug/L
	Zinc		
		10/2/2009	11.9 ug/L
MW-5			
	Chromium		
		10/2/2009	16.3 ug/L
	Copper		
		10/2/2009	6.0 ug/L
	Nickel		
		10/2/2009	11.8 ug/L
	Zinc		
		10/2/2009	14.3 ug/L
MW-5D			
	Zinc		
		10/2/2009	10.3 ug/L
MW-7			
	Nickel		
		10/1/2009	11.8 ug/L
	Zinc		
		10/1/2009	16.5 ug/L
MW-8			
	Chromium		
		10/5/2009	5.8 ug/L

Non-Parametric Tolerance Interval

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Total Percent Non-Detects = 1.70455%
Background measurements (n) = 18
Maximum Background Concentration = 1290
Minimum Coverage = 84.7%
Average Coverage = 94.7368%

Location	Date	Value	Significant
MW-5D	4/13/1998	59	FALSE
MW-5D	11/11/1998	49	FALSE
MW-5D	4/26/1999	48	FALSE
MW-5D	11/2/1999	46	FALSE
MW-5D	4/3/2000	41	FALSE
MW-5D	11/6/2000	94	FALSE
MW-5D	4/30/2001	48	FALSE
MW-5D	10/22/2001	62	FALSE
MW-5D	4/29/2002	76	FALSE
MW-5D	10/28/2002	52	FALSE
MW-5D	3/24/2003	50	FALSE
MW-5D	9/29/2003	53	FALSE
MW-5D	3/29/2004	50	FALSE
MW-5D	9/27/2004	55	FALSE
MW-5D	4/12/2005	49	FALSE
MW-5D	9/26/2005	45	FALSE
MW-5D	3/27/2007	50 J	FALSE
MW-5D	9/27/2007	51.7	FALSE
MW-5D	3/26/2008	51.2	FALSE
MW-5D	9/30/2008	45.6	FALSE
MW-5D	3/26/2009	58.9	FALSE
MW-5D	10/2/2009	58.1	FALSE
MW-2D	4/15/1998	83	FALSE
MW-2D	11/11/1998	117	FALSE
MW-2D	4/27/1999	74	FALSE
MW-2D	11/2/1999	80	FALSE
MW-2D	4/4/2000	70	FALSE
MW-2D	11/6/2000	95	FALSE
MW-2D	4/30/2001	140	FALSE
MW-2D	10/22/2001	77	FALSE
MW-2D	4/29/2002	230	FALSE
MW-2D	10/28/2002	140	FALSE
MW-2D	3/24/2003	77	FALSE
MW-2D	9/29/2003	130	FALSE
MW-2D	3/29/2004	100	FALSE
MW-2D	9/27/2004	140	FALSE
MW-2D	4/11/2005	81	FALSE
MW-2D	9/26/2005	79	FALSE
MW-2D	3/27/2007	77 J	FALSE
MW-2D	9/28/2007	89.3	FALSE
MW-2D	3/26/2008	77.2	FALSE
MW-2D	9/29/2008	72	FALSE

MW-2D	3/26/2009	74.7	FALSE
MW-2D	10/1/2009	79.3	FALSE
MW-4D	4/15/1998	42	FALSE
MW-4D	11/9/1998	41	FALSE
MW-4D	4/26/1999	31	FALSE
MW-4D	11/1/1999	29	FALSE
MW-4D	4/4/2000	30	FALSE
MW-4D	11/6/2000	140	FALSE
MW-4D	4/30/2001	77	FALSE
MW-4D	10/22/2001	130	FALSE
MW-4D	4/29/2002	90	FALSE
MW-4D	10/28/2002	47	FALSE
MW-4D	3/24/2003	45	FALSE
MW-4D	9/29/2003	34	FALSE
MW-4D	3/29/2004	62	FALSE
MW-4D	9/27/2004	32	FALSE
MW-4D	4/11/2005	32	FALSE
MW-4D	9/26/2005	33	FALSE
MW-4D	3/27/2007	30 J	FALSE
MW-4D	9/28/2007	30.7	FALSE
MW-4D	3/26/2008	31.9	FALSE
MW-4D	9/29/2008	65	FALSE
MW-4D	3/26/2009	48.2	FALSE
MW-4D	10/2/2009	83.2	FALSE
MW-8D	4/17/1998	560	FALSE
MW-8D	11/10/1998	58	FALSE
MW-8D	4/26/1999	54	FALSE
MW-8D	11/1/1999	50	FALSE
MW-8D	4/3/2000	46	FALSE
MW-8D	11/7/2000	54	FALSE
MW-8D	4/30/2001	48	FALSE
MW-8D	10/22/2001	66	FALSE
MW-8D	4/29/2002	80	FALSE
MW-8D	10/28/2002	56	FALSE
MW-8D	3/25/2003	53	FALSE
MW-8D	9/30/2003	52	FALSE
MW-8D	3/30/2004	55	FALSE
MW-8D	9/27/2004	58	FALSE
MW-8D	4/12/2005	56	FALSE
MW-8D	9/27/2005	57	FALSE
MW-8D	3/27/2007	71 J	FALSE
MW-8D	9/28/2007	88.2	FALSE
MW-8D	3/27/2008	89.1	FALSE
MW-8D	9/29/2008	76.1	FALSE
MW-8D	3/25/2009	70.9	FALSE
MW-8D	10/5/2009	84	FALSE
MW-9D	4/30/1998	57	FALSE
MW-9D	11/9/1998	111	FALSE
MW-9D	4/27/1999	101	FALSE
MW-9D	11/1/1999	100	FALSE
MW-9D	4/3/2000	113	FALSE

MW-9D	11/7/2000	140	FALSE
MW-9D	4/30/2001	130	FALSE
MW-9D	10/22/2001	150	FALSE
MW-9D	4/29/2002	170	FALSE
MW-9D	10/28/2002	ND<2.5 U	FALSE
MW-9D	3/25/2003	130	FALSE
MW-9D	9/30/2003	180	FALSE
MW-9D	3/29/2004	190	FALSE
MW-9D	9/27/2004	220	FALSE
MW-9D	4/11/2005	200	FALSE
MW-9D	9/27/2005	240	FALSE
MW-11D	4/29/2002	350	FALSE
MW-11D	10/29/2002	ND<2.5 U	FALSE
MW-11D	3/25/2003	65	FALSE
MW-11D	9/29/2003	63	FALSE
MW-11D	3/30/2004	17	FALSE
MW-11D	9/27/2004	15	FALSE
MW-11D	4/12/2005	13	FALSE
MW-11D	9/26/2005	17	FALSE
MW-11D	3/27/2007	18 J	FALSE
MW-11D	9/27/2007	17.7	FALSE
MW-11D	3/27/2008	15.6	FALSE
MW-11D	9/30/2008	10.2	FALSE
MW-11D	3/26/2009	12.1	FALSE
MW-11D	10/5/2009	14.5	FALSE
MW-10D	4/30/2002	690	FALSE
MW-10D	10/29/2002	120	FALSE
MW-10D	3/25/2003	130	FALSE
MW-10D	9/30/2003	12	FALSE
MW-10D	3/30/2004	12	FALSE
MW-10D	9/27/2004	17	FALSE
MW-10D	4/12/2005	54	FALSE
MW-10D	9/27/2005	160	FALSE
MW-10D	3/27/2007	12 J	FALSE
MW-10D	9/27/2007	30.9	FALSE
MW-10D	3/26/2008	17.8	FALSE
MW-10D	9/26/2008	12.2	FALSE
MW-10D	3/26/2009	11	FALSE
MW-10D	10/1/2009	19.7	FALSE
MW-12D	10/28/2002	ND<2.5 U	FALSE
MW-12D	3/25/2003	1000	FALSE
MW-12D	9/30/2003	150	FALSE
MW-12D	3/30/2004	68	FALSE
MW-12D	9/27/2004	420	FALSE
MW-12D	4/11/2005	370	FALSE
MW-12D	9/27/2005	160	FALSE
MW-12D	3/27/2007	46 J	FALSE
MW-12D	9/28/2007	262	FALSE
MW-12D	3/27/2008	76.6	FALSE
MW-12D	9/30/2008	82.9	FALSE
MW-12D	3/26/2009	43.5	FALSE

MW-12D	10/2/2009	45.8	FALSE
MW-13D	9/27/2005	400	FALSE
MW-13D	3/27/2007	220	FALSE
MW-13D	9/28/2007	211	FALSE
MW-13D	3/27/2008	225	FALSE
MW-13D	9/29/2008	179	FALSE
MW-13D	3/26/2009	198	FALSE
MW-13D	10/2/2009	228	FALSE
MW-14D	3/27/2007	11 J	FALSE
MW-14D	9/28/2007	12.1	FALSE
MW-14D	3/27/2008	10.4	FALSE
MW-14D	9/30/2008	7.9	FALSE
MW-14D	3/26/2009	7.1	FALSE
MW-14D	10/2/2009	6.6	FALSE

Two-Sample Test of Proportions

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Background measurements = 18
Compliance measurements = 158
Comparison Level = 2000

0 background measurements exceed 2000
0 compliance measurements exceed 2000

p background = 0 = 0 / 18
p compliance = 0 = 0 / 158
p total = 0 = 0 / 176

nPs = 0 < 5.0
mPb = 0 < 5.0
n(1-Ps) = 158
m(1-Pb = 18

Divide by zero error.

Non-Parametric Tolerance Interval

Parameter: Beryllium

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Total Percent Non-Detects = 89.7727%
Background measurements (n) = 18
Maximum Background Concentration = 2.7
Minimum Coverage = 84.7%
Average Coverage = 94.7368%

Location	Date	Value	Significant
MW-5D	4/13/1998	ND<0.5 U	FALSE
MW-5D	11/11/1998	ND<0.5 U	FALSE
MW-5D	4/26/1999	ND<0.5 U	FALSE
MW-5D	11/2/1999	ND<0.5 U	FALSE
MW-5D	4/3/2000	ND<0.5 U	FALSE
MW-5D	11/6/2000	2.2	FALSE
MW-5D	4/30/2001	ND<1 U	FALSE
MW-5D	10/22/2001	ND<1 U	FALSE
MW-5D	4/29/2002	ND<1 U	FALSE
MW-5D	10/28/2002	ND<1 U	FALSE
MW-5D	3/24/2003	ND<1 U	FALSE
MW-5D	9/29/2003	ND<0.5 U	FALSE
MW-5D	3/29/2004	ND<0.5 U	FALSE
MW-5D	9/27/2004	ND<0.5 U	FALSE
MW-5D	4/12/2005	ND<0.5 U	FALSE
MW-5D	9/26/2005	ND<0.5 U	FALSE
MW-5D	3/27/2007	ND<0.5 U	FALSE
MW-5D	9/27/2007	ND<0.5 U	FALSE
MW-5D	3/26/2008	ND<0.05 U	FALSE
MW-5D	9/30/2008	ND<0.5 U	FALSE
MW-5D	3/26/2009	ND<0.5 U	FALSE
MW-5D	10/2/2009	ND<0.5 U	FALSE
MW-2D	4/15/1998	ND<0.5 U	FALSE
MW-2D	11/11/1998	ND<0.5 U	FALSE
MW-2D	4/27/1999	ND<0.5 U	FALSE
MW-2D	11/2/1999	ND<0.5 U	FALSE
MW-2D	4/4/2000	ND<0.5 U	FALSE
MW-2D	11/6/2000	2.1	FALSE
MW-2D	4/30/2001	ND<1 U	FALSE
MW-2D	10/22/2001	ND<1 U	FALSE
MW-2D	4/29/2002	ND<1 U	FALSE
MW-2D	10/28/2002	ND<1 U	FALSE
MW-2D	3/24/2003	ND<1 U	FALSE
MW-2D	9/29/2003	ND<0.5 U	FALSE
MW-2D	3/29/2004	ND<0.5 U	FALSE
MW-2D	9/27/2004	ND<0.5 U	FALSE
MW-2D	4/11/2005	ND<0.5 U	FALSE
MW-2D	9/26/2005	ND<0.5 U	FALSE
MW-2D	3/27/2007	ND<0.5 U	FALSE
MW-2D	9/28/2007	ND<0.5 U	FALSE
MW-2D	3/26/2008	ND<0.05 U	FALSE
MW-2D	9/29/2008	ND<0.5 U	FALSE

MW-2D	3/26/2009	ND<0.5 U	FALSE
MW-2D	10/1/2009	ND<0.5 U	FALSE

MW-4D	4/15/1998	ND<0.5 U	FALSE
MW-4D	11/9/1998	ND<0.5 U	FALSE
MW-4D	4/26/1999	ND<0.5 U	FALSE
MW-4D	11/1/1999	ND<0.5 U	FALSE
MW-4D	4/4/2000	ND<0.5 U	FALSE
MW-4D	11/6/2000	2.5	FALSE
MW-4D	4/30/2001	ND<1 U	FALSE
MW-4D	10/22/2001	ND<1 U	FALSE
MW-4D	4/29/2002	2.1	FALSE
MW-4D	10/28/2002	ND<1 U	FALSE
MW-4D	3/24/2003	ND<1 U	FALSE
MW-4D	9/29/2003	ND<0.5 U	FALSE
MW-4D	3/29/2004	ND<0.5 U	FALSE
MW-4D	9/27/2004	ND<0.5 U	FALSE
MW-4D	4/11/2005	ND<0.5 U	FALSE
MW-4D	9/26/2005	ND<0.5 U	FALSE
MW-4D	3/27/2007	ND<0.5 U	FALSE
MW-4D	9/28/2007	ND<0.5 U	FALSE
MW-4D	3/26/2008	ND<0.05 U	FALSE
MW-4D	9/29/2008	ND<0.5 U	FALSE
MW-4D	3/26/2009	ND<0.5 U	FALSE
MW-4D	10/2/2009	ND<0.5 U	FALSE

MW-8D	4/17/1998	ND<0.5 U	FALSE
MW-8D	11/10/1998	ND<0.5 U	FALSE
MW-8D	4/26/1999	ND<0.5 U	FALSE
MW-8D	11/1/1999	ND<0.5 U	FALSE
MW-8D	4/3/2000	ND<0.5 U	FALSE
MW-8D	11/7/2000	ND<1 U	FALSE
MW-8D	4/30/2001	ND<1 U	FALSE
MW-8D	10/22/2001	ND<1 U	FALSE
MW-8D	4/29/2002	2.2	FALSE
MW-8D	10/28/2002	ND<1 U	FALSE
MW-8D	3/25/2003	ND<1 U	FALSE
MW-8D	9/30/2003	ND<0.5 U	FALSE
MW-8D	3/30/2004	ND<0.5 U	FALSE
MW-8D	9/27/2004	ND<0.5 U	FALSE
MW-8D	4/12/2005	ND<0.5 U	FALSE
MW-8D	9/27/2005	ND<0.5 U	FALSE
MW-8D	3/27/2007	ND<0.5 U	FALSE
MW-8D	9/28/2007	ND<0.5 U	FALSE
MW-8D	3/27/2008	ND<0.05 U	FALSE
MW-8D	9/29/2008	ND<0.5 U	FALSE
MW-8D	3/25/2009	ND<0.5 U	FALSE
MW-8D	10/5/2009	ND<0.5 U	FALSE

MW-9D	4/30/1998	ND<0.5 U	FALSE
MW-9D	11/9/1998	ND<0.5 U	FALSE
MW-9D	4/27/1999	ND<0.5 U	FALSE
MW-9D	11/1/1999	ND<0.5 U	FALSE
MW-9D	4/3/2000	ND<0.5 U	FALSE

MW-9D	11/7/2000	ND<1 U	FALSE
MW-9D	4/30/2001	ND<1 U	FALSE
MW-9D	10/22/2001	ND<1 U	FALSE
MW-9D	4/29/2002	ND<1 U	FALSE
MW-9D	10/28/2002	ND<1 U	FALSE
MW-9D	3/25/2003	ND<1 U	FALSE
MW-9D	9/30/2003	ND<0.5 U	FALSE
MW-9D	3/29/2004	ND<0.5 U	FALSE
MW-9D	9/27/2004	ND<0.5 U	FALSE
MW-9D	4/11/2005	ND<0.5 U	FALSE
MW-9D	9/27/2005	ND<0.5 U	FALSE
MW-11D	4/29/2002	ND<1 U	FALSE
MW-11D	10/29/2002	ND<1 U	FALSE
MW-11D	3/25/2003	ND<1 U	FALSE
MW-11D	9/29/2003	ND<0.5 U	FALSE
MW-11D	3/30/2004	ND<0.5 U	FALSE
MW-11D	9/27/2004	ND<0.5 U	FALSE
MW-11D	4/12/2005	ND<0.5 U	FALSE
MW-11D	9/26/2005	ND<0.5 U	FALSE
MW-11D	3/27/2007	ND<0.5 U	FALSE
MW-11D	9/27/2007	ND<0.5 U	FALSE
MW-11D	3/27/2008	ND<0.05 U	FALSE
MW-11D	9/30/2008	ND<0.5 U	FALSE
MW-11D	3/26/2009	ND<0.5 U	FALSE
MW-11D	10/5/2009	ND<0.5 U	FALSE
MW-10D	**4/30/2002**	**3**	**TRUE**
MW-10D	10/29/2002	ND<1 U	FALSE
MW-10D	3/25/2003	ND<1 U	FALSE
MW-10D	9/30/2003	ND<0.5 U	FALSE
MW-10D	3/30/2004	ND<0.5 U	FALSE
MW-10D	9/27/2004	ND<0.5 U	FALSE
MW-10D	4/12/2005	ND<0.5 U	FALSE
MW-10D	9/27/2005	ND<0.5 U	FALSE
MW-10D	3/27/2007	ND<0.5 U	FALSE
MW-10D	9/27/2007	0.54 J	FALSE
MW-10D	3/26/2008	ND<0.05 U	FALSE
MW-10D	9/26/2008	ND<0.5 U	FALSE
MW-10D	3/26/2009	ND<0.5 U	FALSE
MW-10D	10/1/2009	ND<0.5 U	FALSE
MW-12D	10/28/2002	ND<1 U	FALSE
MW-12D	**3/25/2003**	**4.5**	**TRUE**
MW-12D	9/30/2003	ND<0.5 U	FALSE
MW-12D	3/30/2004	ND<0.5 U	FALSE
MW-12D	9/27/2004	1.5	FALSE
MW-12D	4/11/2005	2	FALSE
MW-12D	9/27/2005	ND<0.5 U	FALSE
MW-12D	3/27/2007	ND<0.5 U	FALSE
MW-12D	9/28/2007	ND<0.5 U	FALSE
MW-12D	3/27/2008	ND<0.05 U	FALSE
MW-12D	9/30/2008	ND<0.5 U	FALSE
MW-12D	3/26/2009	ND<0.5 U	FALSE

MW-12D	10/2/2009	ND<0.5 U	FALSE
MW-13D	9/27/2005	1.4	FALSE
MW-13D	3/27/2007	ND<0.5 U	FALSE
MW-13D	9/28/2007	ND<0.5 U	FALSE
MW-13D	3/27/2008	ND<0.05 U	FALSE
MW-13D	9/29/2008	ND<0.5 U	FALSE
MW-13D	3/26/2009	ND<0.5 U	FALSE
MW-13D	10/2/2009	ND<0.5 U	FALSE
MW-14D	3/27/2007	ND<0.5 U	FALSE
MW-14D	9/28/2007	ND<0.5 U	FALSE
MW-14D	3/27/2008	ND<0.05 U	FALSE
MW-14D	9/30/2008	ND<0.5 U	FALSE
MW-14D	3/26/2009	ND<0.5 U	FALSE
MW-14D	10/2/2009	ND<0.5 U	FALSE

Two-Sample Test of Proportions

Parameter: Beryllium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Background measurements = 18
Compliance measurements = 158
Comparison Level = 4

0 background measurements exceed 4
1 compliance measurements exceed 4

p background = 0 = 0 / 18
p compliance = 0.00632911 = 1 / 158
p total = 0.00568182 = 1 / 176

nPs = 1 < 5.0
mPb = 0 < 5.0
n(1-Ps) = 157
m(1-Pb = 18

Zp = 0.338489 = 0.00632911 / 0.0186981
Z critical = 1.64485 at 95% confidence level

0.338489 < 1.64485
No Statistical Significance at 95% Confidence Level
When Compared to Compliance Limit = 4

Non-Parametric Tolerance Interval

Parameter: Cadmium

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Total Percent Non-Detects = 94.3182%
Background measurements (n) = 18
Maximum Background Concentration = 6
Minimum Coverage = 84.7%
Average Coverage = 94.7368%

Location	Date	Value	Significant
MW-5D	4/13/1998	ND<0.5 U	FALSE
MW-5D	11/11/1998	ND<0.5 U	FALSE
MW-5D	4/26/1999	ND<0.5 U	FALSE
MW-5D	11/2/1999	ND<0.5 U	FALSE
MW-5D	4/3/2000	ND<0.5 U	FALSE
MW-5D	11/6/2000	ND<0.5 U	FALSE
MW-5D	4/30/2001	ND<0.5 U	FALSE
MW-5D	10/22/2001	ND<0.5 U	FALSE
MW-5D	4/29/2002	ND<0.5 U	FALSE
MW-5D	10/28/2002	ND<0.5 U	FALSE
MW-5D	3/24/2003	ND<0.5 U	FALSE
MW-5D	9/29/2003	ND<0.5 U	FALSE
MW-5D	3/29/2004	ND<0.5 U	FALSE
MW-5D	9/27/2004	ND<0.5 U	FALSE
MW-5D	4/12/2005	ND<0.5 U	FALSE
MW-5D	9/26/2005	ND<0.5 U	FALSE
MW-5D	3/27/2007	ND<0.5 U	FALSE
MW-5D	9/27/2007	ND<0.5 U	FALSE
MW-5D	3/26/2008	ND<0.25 U	FALSE
MW-5D	9/30/2008	ND<0.5 U	FALSE
MW-5D	3/26/2009	ND<0.5 U	FALSE
MW-5D	10/2/2009	ND<0.5 U	FALSE
MW-2D	4/15/1998	ND<0.5 U	FALSE
MW-2D	11/11/1998	ND<0.5 U	FALSE
MW-2D	4/27/1999	ND<0.5 U	FALSE
MW-2D	11/2/1999	ND<0.5 U	FALSE
MW-2D	4/4/2000	ND<0.5 U	FALSE
MW-2D	11/6/2000	ND<0.5 U	FALSE
MW-2D	4/30/2001	ND<0.5 U	FALSE
MW-2D	10/22/2001	ND<0.5 U	FALSE
MW-2D	4/29/2002	1.2	FALSE
MW-2D	10/28/2002	ND<0.5 U	FALSE
MW-2D	3/24/2003	ND<0.5 U	FALSE
MW-2D	9/29/2003	ND<0.5 U	FALSE
MW-2D	3/29/2004	ND<0.5 U	FALSE
MW-2D	9/27/2004	ND<0.5 U	FALSE
MW-2D	4/11/2005	ND<0.5 U	FALSE
MW-2D	9/26/2005	ND<0.5 U	FALSE
MW-2D	3/27/2007	ND<0.5 U	FALSE
MW-2D	9/28/2007	ND<0.5 U	FALSE
MW-2D	3/26/2008	ND<0.25 U	FALSE
MW-2D	9/29/2008	ND<0.5 U	FALSE

MW-2D	3/26/2009	ND<0.5 U	FALSE
MW-2D	10/1/2009	ND<0.5 U	FALSE

MW-4D	4/15/1998	ND<0.5 U	FALSE
MW-4D	11/9/1998	ND<0.5 U	FALSE
MW-4D	4/26/1999	ND<0.5 U	FALSE
MW-4D	11/1/1999	ND<0.5 U	FALSE
MW-4D	4/4/2000	ND<0.5 U	FALSE
MW-4D	11/6/2000	ND<0.5 U	FALSE
MW-4D	4/30/2001	ND<0.5 U	FALSE
MW-4D	10/22/2001	2.5	FALSE
MW-4D	4/29/2002	1.4	FALSE
MW-4D	10/28/2002	ND<0.5 U	FALSE
MW-4D	3/24/2003	ND<0.5 U	FALSE
MW-4D	9/29/2003	ND<0.5 U	FALSE
MW-4D	3/29/2004	ND<0.5 U	FALSE
MW-4D	9/27/2004	ND<0.5 U	FALSE
MW-4D	4/11/2005	ND<0.5 U	FALSE
MW-4D	9/26/2005	ND<0.5 U	FALSE
MW-4D	3/27/2007	ND<0.5 U	FALSE
MW-4D	9/28/2007	ND<0.5 U	FALSE
MW-4D	3/26/2008	ND<0.25 U	FALSE
MW-4D	9/29/2008	ND<0.5 U	FALSE
MW-4D	3/26/2009	ND<0.5 U	FALSE
MW-4D	10/2/2009	ND<0.5 U	FALSE

MW-8D	4/17/1998	ND<0.5 U	FALSE
MW-8D	11/10/1998	ND<0.5 U	FALSE
MW-8D	4/26/1999	ND<0.5 U	FALSE
MW-8D	11/1/1999	ND<0.5 U	FALSE
MW-8D	4/3/2000	ND<0.5 U	FALSE
MW-8D	11/7/2000	ND<0.5 U	FALSE
MW-8D	4/30/2001	ND<0.5 U	FALSE
MW-8D	10/22/2001	ND<0.5 U	FALSE
MW-8D	4/29/2002	ND<0.5 U	FALSE
MW-8D	10/28/2002	ND<0.5 U	FALSE
MW-8D	3/25/2003	ND<0.5 U	FALSE
MW-8D	9/30/2003	ND<0.5 U	FALSE
MW-8D	3/30/2004	ND<0.5 U	FALSE
MW-8D	9/27/2004	ND<0.5 U	FALSE
MW-8D	4/12/2005	ND<0.5 U	FALSE
MW-8D	9/27/2005	ND<0.5 U	FALSE
MW-8D	3/27/2007	ND<0.5 U	FALSE
MW-8D	9/28/2007	ND<0.5 U	FALSE
MW-8D	3/27/2008	ND<0.25 U	FALSE
MW-8D	9/29/2008	ND<0.5 U	FALSE
MW-8D	3/25/2009	ND<0.5 U	FALSE
MW-8D	10/5/2009	ND<0.5 U	FALSE

MW-9D	4/30/1998	ND<0.5 U	FALSE
MW-9D	11/9/1998	ND<0.5 U	FALSE
MW-9D	4/27/1999	3 I	FALSE
MW-9D	11/1/1999	ND<0.5 U	FALSE
MW-9D	4/3/2000	ND<0.5 U	FALSE

MW-9D	11/7/2000	ND<0.5 U	FALSE
MW-9D	4/30/2001	ND<0.5 U	FALSE
MW-9D	10/22/2001	ND<0.5 U	FALSE
MW-9D	4/29/2002	ND<0.5 U	FALSE
MW-9D	10/28/2002	ND<0.5 U	FALSE
MW-9D	3/25/2003	ND<0.5 U	FALSE
MW-9D	9/30/2003	ND<0.5 U	FALSE
MW-9D	3/29/2004	ND<0.5 U	FALSE
MW-9D	9/27/2004	ND<0.5 U	FALSE
MW-9D	4/11/2005	ND<0.5 U	FALSE
MW-9D	9/27/2005	ND<0.5 U	FALSE
MW-11D	4/29/2002	ND<0.5 U	FALSE
MW-11D	10/29/2002	ND<0.5 U	FALSE
MW-11D	3/25/2003	ND<0.5 U	FALSE
MW-11D	9/29/2003	ND<0.5 U	FALSE
MW-11D	3/30/2004	ND<0.5 U	FALSE
MW-11D	9/27/2004	ND<0.5 U	FALSE
MW-11D	4/12/2005	ND<0.5 U	FALSE
MW-11D	9/26/2005	ND<0.5 U	FALSE
MW-11D	3/27/2007	ND<0.5 U	FALSE
MW-11D	9/27/2007	ND<0.5 U	FALSE
MW-11D	3/27/2008	ND<0.25 U	FALSE
MW-11D	9/30/2008	ND<0.5 U	FALSE
MW-11D	3/26/2009	ND<0.5 U	FALSE
MW-11D	10/5/2009	ND<0.5 U	FALSE
MW-10D	**4/30/2002**	**9.1**	**TRUE**
MW-10D	10/29/2002	ND<0.5 U	FALSE
MW-10D	3/25/2003	ND<0.5 U	FALSE
MW-10D	9/30/2003	ND<0.5 U	FALSE
MW-10D	3/30/2004	ND<0.5 U	FALSE
MW-10D	9/27/2004	ND<0.5 U	FALSE
MW-10D	4/12/2005	ND<0.5 U	FALSE
MW-10D	9/27/2005	ND<0.5 U	FALSE
MW-10D	3/27/2007	ND<0.5 U	FALSE
MW-10D	9/27/2007	ND<0.5 U	FALSE
MW-10D	3/26/2008	ND<0.25 U	FALSE
MW-10D	9/26/2008	ND<0.5 U	FALSE
MW-10D	3/26/2009	ND<0.5 U	FALSE
MW-10D	10/1/2009	ND<0.5 U	FALSE
MW-12D	10/28/2002	ND<0.5 U	FALSE
MW-12D	**3/25/2003**	**12**	**TRUE**
MW-12D	9/30/2003	ND<0.5 U	FALSE
MW-12D	3/30/2004	ND<0.5 U	FALSE
MW-12D	9/27/2004	ND<0.5 U	FALSE
MW-12D	4/11/2005	ND<0.5 U	FALSE
MW-12D	9/27/2005	ND<0.5 U	FALSE
MW-12D	3/27/2007	ND<0.5 U	FALSE
MW-12D	9/28/2007	ND<0.5 U	FALSE
MW-12D	3/27/2008	ND<0.25 U	FALSE
MW-12D	9/30/2008	ND<0.5 U	FALSE
MW-12D	3/26/2009	ND<0.5 U	FALSE

MW-12D	10/2/2009	ND<0.5 U	FALSE
MW-13D	9/27/2005	ND<0.5 U	FALSE
MW-13D	3/27/2007	ND<0.5 U	FALSE
MW-13D	9/28/2007	ND<0.5 U	FALSE
MW-13D	3/27/2008	ND<0.25 U	FALSE
MW-13D	9/29/2008	ND<0.5 U	FALSE
MW-13D	3/26/2009	ND<0.5 U	FALSE
MW-13D	10/2/2009	ND<0.5 U	FALSE
MW-14D	3/27/2007	ND<0.5 U	FALSE
MW-14D	9/28/2007	ND<0.5 U	FALSE
MW-14D	3/27/2008	ND<0.25 U	FALSE
MW-14D	9/30/2008	ND<0.5 U	FALSE
MW-14D	3/26/2009	ND<0.5 U	FALSE
MW-14D	10/2/2009	ND<0.5 U	FALSE

Two-Sample Test of Proportions

Parameter: Cadmium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Background measurements = 18
Compliance measurements = 158
Comparison Level = 1.75

3 background measurements exceed 1.75
4 compliance measurements exceed 1.75

p background = 0.166667 = 3 / 18
p compliance = 0.0253165 = 4 / 158
p total = 0.0397727 = 7 / 176

nPs = 4 < 5.0
mPb = 3 < 5.0
n(1-Ps) = 154
m(1-Pb = 15

Zp = -2.90754 = -0.14135 / 0.0486151
Z critical = 1.64485 at 95% confidence level

-2.90754 < 1.64485
No Statistical Significance at 95% Confidence Level
When Compared to Compliance Limit = 1.75

Non-Parametric Tolerance Interval

Parameter: Chromium

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Total Percent Non-Detects = 61.3636%
Background measurements (n) = 18
Maximum Background Concentration = 202
Minimum Coverage = 84.7%
Average Coverage = 94.7368%

Location	Date	Value	Significant
MW-5D	4/13/1998	ND<5 U	FALSE
MW-5D	11/11/1998	4 I	FALSE
MW-5D	4/26/1999	3 I	FALSE
MW-5D	11/2/1999	3 I	FALSE
MW-5D	4/3/2000	1 I	FALSE
MW-5D	11/6/2000	ND<2.5 U	FALSE
MW-5D	4/30/2001	ND<2.5 U	FALSE
MW-5D	10/22/2001	ND<2.5 U	FALSE
MW-5D	4/29/2002	7	FALSE
MW-5D	10/28/2002	ND<2.5 U	FALSE
MW-5D	3/24/2003	ND<2.5 U	FALSE
MW-5D	9/29/2003	ND<1 U	FALSE
MW-5D	3/29/2004	ND<1 U	FALSE
MW-5D	9/27/2004	ND<1 U	FALSE
MW-5D	4/12/2005	ND<1 U	FALSE
MW-5D	9/26/2005	ND<1 U	FALSE
MW-5D	3/27/2007	0.92 J	FALSE
MW-5D	9/27/2007	1.3 J	FALSE
MW-5D	3/26/2008	ND<0.2 U	FALSE
MW-5D	9/30/2008	ND<2.5 U	FALSE
MW-5D	3/26/2009	ND<2.5 U	FALSE
MW-5D	10/2/2009	ND<2.5 U	FALSE
MW-2D	4/15/1998	ND<5 U	FALSE
MW-2D	11/11/1998	12	FALSE
MW-2D	4/27/1999	3 I	FALSE
MW-2D	11/2/1999	4 I	FALSE
MW-2D	4/4/2000	2 I	FALSE
MW-2D	11/6/2000	ND<2.5 U	FALSE
MW-2D	4/30/2001	ND<2.5 U	FALSE
MW-2D	10/22/2001	ND<2.5 U	FALSE
MW-2D	4/29/2002	10	FALSE
MW-2D	10/28/2002	ND<2.5 U	FALSE
MW-2D	3/24/2003	ND<2.5 U	FALSE
MW-2D	9/29/2003	9.7	FALSE
MW-2D	3/29/2004	5.7	FALSE
MW-2D	9/27/2004	5.1	FALSE
MW-2D	4/11/2005	ND<1 U	FALSE
MW-2D	9/26/2005	2.1	FALSE
MW-2D	3/27/2007	0.5 J	FALSE
MW-2D	9/28/2007	0.6 J	FALSE
MW-2D	3/26/2008	ND<0.2 U	FALSE
MW-2D	9/29/2008	ND<2.5 U	FALSE

MW-2D	3/26/2009	ND<2.5 U	FALSE
MW-2D	10/1/2009	ND<2.5 U	FALSE
MW-4D	4/15/1998	ND<5 U	FALSE
MW-4D	11/9/1998	4 I	FALSE
MW-4D	4/26/1999	3 I	FALSE
MW-4D	11/1/1999	3 I	FALSE
MW-4D	4/4/2000	ND<0.5 U	FALSE
MW-4D	11/6/2000	ND<2.5 U	FALSE
MW-4D	4/30/2001	ND<2.5 U	FALSE
MW-4D	10/22/2001	28	FALSE
MW-4D	4/29/2002	14	FALSE
MW-4D	10/28/2002	ND<2.5 U	FALSE
MW-4D	3/24/2003	ND<2.5 U	FALSE
MW-4D	9/29/2003	ND<1 U	FALSE
MW-4D	3/29/2004	8	FALSE
MW-4D	9/27/2004	ND<1 U	FALSE
MW-4D	4/11/2005	ND<1 U	FALSE
MW-4D	9/26/2005	ND<1 U	FALSE
MW-4D	3/27/2007	ND<5 U	FALSE
MW-4D	9/28/2007	0.59 J	FALSE
MW-4D	3/26/2008	ND<0.2 U	FALSE
MW-4D	9/29/2008	10.5	FALSE
MW-4D	3/26/2009	6.9	FALSE
MW-4D	10/2/2009	14.7	FALSE
MW-8D	4/17/1998	ND<5 U	FALSE
MW-8D	11/10/1998	3 I	FALSE
MW-8D	4/26/1999	3 I	FALSE
MW-8D	11/1/1999	2 I	FALSE
MW-8D	4/3/2000	2 I	FALSE
MW-8D	11/7/2000	ND<2.5 U	FALSE
MW-8D	4/30/2001	ND<2.5 U	FALSE
MW-8D	10/22/2001	6.2	FALSE
MW-8D	4/29/2002	9.2	FALSE
MW-8D	10/28/2002	ND<2.5 U	FALSE
MW-8D	3/25/2003	ND<2.5 U	FALSE
MW-8D	9/30/2003	ND<1 U	FALSE
MW-8D	3/30/2004	ND<1 U	FALSE
MW-8D	9/27/2004	ND<1 U	FALSE
MW-8D	4/12/2005	ND<1 U	FALSE
MW-8D	9/27/2005	ND<1 U	FALSE
MW-8D	3/27/2007	1.9 J	FALSE
MW-8D	9/28/2007	1.4 J	FALSE
MW-8D	3/27/2008	ND<0.2 U	FALSE
MW-8D	9/29/2008	ND<2.5 U	FALSE
MW-8D	3/25/2009	ND<2.5 U	FALSE
MW-8D	10/5/2009	ND<2.5 U	FALSE
MW-9D	4/30/1998	ND<5 U	FALSE
MW-9D	11/9/1998	3 I	FALSE
MW-9D	4/27/1999	2 I	FALSE
MW-9D	11/1/1999	3 I	FALSE
MW-9D	4/3/2000	1 I	FALSE

MW-9D	11/7/2000	ND<2.5 U	FALSE
MW-9D	4/30/2001	ND<2.5 U	FALSE
MW-9D	10/22/2001	ND<2.5 U	FALSE
MW-9D	4/29/2002	ND<2.5 U	FALSE
MW-9D	10/28/2002	ND<2.5 U	FALSE
MW-9D	3/25/2003	ND<2.5 U	FALSE
MW-9D	9/30/2003	2.7	FALSE
MW-9D	3/29/2004	ND<1 U	FALSE
MW-9D	9/27/2004	ND<1 U	FALSE
MW-9D	4/11/2005	ND<1 U	FALSE
MW-9D	9/27/2005	ND<1 U	FALSE
MW-11D	4/29/2002	12	FALSE
MW-11D	10/29/2002	ND<2.5 U	FALSE
MW-11D	3/25/2003	ND<2.5 U	FALSE
MW-11D	9/29/2003	ND<1 U	FALSE
MW-11D	3/30/2004	ND<1 U	FALSE
MW-11D	9/27/2004	ND<1 U	FALSE
MW-11D	4/12/2005	ND<1 U	FALSE
MW-11D	9/26/2005	ND<1 U	FALSE
MW-11D	3/27/2007	ND<5 U	FALSE
MW-11D	9/27/2007	ND<2.5 U	FALSE
MW-11D	3/27/2008	ND<0.2 U	FALSE
MW-11D	9/30/2008	ND<2.5 U	FALSE
MW-11D	3/26/2009	ND<2.5 U	FALSE
MW-11D	10/5/2009	ND<2.5 U	FALSE
MW-10D	**4/30/2002**	**230**	**TRUE**
MW-10D	10/29/2002	8.9	FALSE
MW-10D	3/25/2003	35	FALSE
MW-10D	9/30/2003	ND<1 U	FALSE
MW-10D	3/30/2004	ND<1 U	FALSE
MW-10D	9/27/2004	ND<1 U	FALSE
MW-10D	4/12/2005	8	FALSE
MW-10D	9/27/2005	33	FALSE
MW-10D	3/27/2007	0.7 J	FALSE
MW-10D	9/27/2007	2 J	FALSE
MW-10D	3/26/2008	ND<0.2 U	FALSE
MW-10D	9/26/2008	ND<2.5 U	FALSE
MW-10D	3/26/2009	ND<2.5 U	FALSE
MW-10D	10/1/2009	ND<2.5 U	FALSE
MW-12D	10/28/2002	ND<2.5 U	FALSE
MW-12D	3/25/2003	170	FALSE
MW-12D	9/30/2003	13	FALSE
MW-12D	3/30/2004	ND<1 U	FALSE
MW-12D	9/27/2004	50	FALSE
MW-12D	4/11/2005	45	FALSE
MW-12D	9/27/2005	3	FALSE
MW-12D	3/27/2007	2.3 J	FALSE
MW-12D	9/28/2007	25.5	FALSE
MW-12D	3/27/2008	5.6	FALSE
MW-12D	9/30/2008	ND<2.5 U	FALSE
MW-12D	3/26/2009	ND<2.5 U	FALSE

MW-12D	10/2/2009	ND<2.5 U	FALSE
MW-13D	9/27/2005	64	FALSE
MW-13D	3/27/2007	15	FALSE
MW-13D	9/28/2007	1.2 J	FALSE
MW-13D	3/27/2008	ND<0.2 U	FALSE
MW-13D	9/29/2008	ND<2.5 U	FALSE
MW-13D	3/26/2009	9.9	FALSE
MW-13D	10/2/2009	ND<2.5 U	FALSE
MW-14D	3/27/2007	ND<5 U	FALSE
MW-14D	9/28/2007	ND<2.5 U	FALSE
MW-14D	3/27/2008	ND<0.2 U	FALSE
MW-14D	9/30/2008	ND<2.5 U	FALSE
MW-14D	3/26/2009	ND<2.5 U	FALSE
MW-14D	10/2/2009	ND<2.5 U	FALSE

Two-Sample Test of Proportions

Parameter: Chromium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Background measurements = 18
Compliance measurements = 158
Comparison Level = 50

1 background measurements exceed 50
3 compliance measurements exceed 50

p background = 0.0555556 = 1 / 18
p compliance = 0.0189873 = 3 / 158
p total = 0.0227273 = 4 / 176

nPs = 3 < 5.0
mPb = 1 < 5.0
n(1-Ps) = 155
m(1-Pb = 17

Zp = -0.986349 = -0.0365682 / 0.0370743
Z critical = 1.64485 at 95% confidence level

-0.986349 < 1.64485
No Statistical Significance at 95% Confidence Level
When Compared to Compliance Limit = 50

Non-Parametric Tolerance Interval

Parameter: Cobalt

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Total Percent Non-Detects = 79.5455%
Background measurements (n) = 18
Maximum Background Concentration = 126
Minimum Coverage = 84.7%
Average Coverage = 94.7368%

Location	Date	Value	Significant
MW-5D	4/13/1998	ND<2.5 U	FALSE
MW-5D	11/11/1998	ND<2.5 U	FALSE
MW-5D	4/26/1999	ND<2.5 U	FALSE
MW-5D	11/2/1999	ND<2.5 U	FALSE
MW-5D	4/3/2000	ND<2.5 U	FALSE
MW-5D	11/6/2000	ND<2.5 U	FALSE
MW-5D	4/30/2001	ND<2.5 U	FALSE
MW-5D	10/22/2001	ND<2.5 U	FALSE
MW-5D	4/29/2002	ND<2.5 U	FALSE
MW-5D	10/28/2002	ND<2.5 U	FALSE
MW-5D	3/24/2003	ND<2.5 U	FALSE
MW-5D	9/29/2003	ND<2.5 U	FALSE
MW-5D	3/29/2004	ND<2.5 U	FALSE
MW-5D	9/27/2004	ND<2.5 U	FALSE
MW-5D	4/12/2005	ND<2.5 U	FALSE
MW-5D	9/26/2005	ND<2.5 U	FALSE
MW-5D	3/27/2007	ND<5 U	FALSE
MW-5D	9/27/2007	ND<2.5 U	FALSE
MW-5D	3/26/2008	ND<0.3 U	FALSE
MW-5D	9/30/2008	6.6	FALSE
MW-5D	3/26/2009	7.1	FALSE
MW-5D	10/2/2009	ND<2.5 U	FALSE
MW-2D	4/15/1998	ND<2.5 U	FALSE
MW-2D	11/11/1998	ND<2.5 U	FALSE
MW-2D	4/27/1999	ND<2.5 U	FALSE
MW-2D	11/2/1999	ND<2.5 U	FALSE
MW-2D	4/4/2000	ND<2.5 U	FALSE
MW-2D	11/6/2000	ND<2.5 U	FALSE
MW-2D	4/30/2001	ND<2.5 U	FALSE
MW-2D	10/22/2001	ND<2.5 U	FALSE
MW-2D	4/29/2002	5.8	FALSE
MW-2D	10/28/2002	ND<2.5 U	FALSE
MW-2D	3/24/2003	ND<2.5 U	FALSE
MW-2D	9/29/2003	ND<2.5 U	FALSE
MW-2D	3/29/2004	ND<2.5 U	FALSE
MW-2D	9/27/2004	ND<2.5 U	FALSE
MW-2D	4/11/2005	ND<2.5 U	FALSE
MW-2D	9/26/2005	ND<2.5 U	FALSE
MW-2D	3/27/2007	ND<5 U	FALSE
MW-2D	9/28/2007	4.2 J	FALSE
MW-2D	3/26/2008	ND<0.3 U	FALSE
MW-2D	9/29/2008	5	FALSE

MW-2D	3/26/2009	ND<2.5 U	FALSE
MW-2D	10/1/2009	ND<2.5 U	FALSE
MW-4D	4/15/1998	ND<2.5 U	FALSE
MW-4D	11/9/1998	ND<2.5 U	FALSE
MW-4D	4/26/1999	ND<2.5 U	FALSE
MW-4D	11/1/1999	ND<2.5 U	FALSE
MW-4D	4/4/2000	ND<2.5 U	FALSE
MW-4D	11/6/2000	ND<2.5 U	FALSE
MW-4D	4/30/2001	ND<2.5 U	FALSE
MW-4D	10/22/2001	9.3	FALSE
MW-4D	4/29/2002	6.6	FALSE
MW-4D	10/28/2002	ND<2.5 U	FALSE
MW-4D	3/24/2003	ND<2.5 U	FALSE
MW-4D	9/29/2003	ND<2.5 U	FALSE
MW-4D	3/29/2004	ND<2.5 U	FALSE
MW-4D	9/27/2004	ND<2.5 U	FALSE
MW-4D	4/11/2005	ND<2.5 U	FALSE
MW-4D	9/26/2005	ND<2.5 U	FALSE
MW-4D	3/27/2007	0.64 J	FALSE
MW-4D	9/28/2007	ND<2.5 U	FALSE
MW-4D	3/26/2008	ND<0.3 U	FALSE
MW-4D	9/29/2008	5.4	FALSE
MW-4D	3/26/2009	ND<2.5 U	FALSE
MW-4D	10/2/2009	ND<2.5 U	FALSE
MW-8D	4/17/1998	ND<2.5 U	FALSE
MW-8D	11/10/1998	ND<2.5 U	FALSE
MW-8D	4/26/1999	ND<2.5 U	FALSE
MW-8D	11/1/1999	ND<2.5 U	FALSE
MW-8D	4/3/2000	ND<2.5 U	FALSE
MW-8D	11/7/2000	ND<2.5 U	FALSE
MW-8D	4/30/2001	ND<2.5 U	FALSE
MW-8D	10/22/2001	ND<2.5 U	FALSE
MW-8D	4/29/2002	ND<2.5 U	FALSE
MW-8D	10/28/2002	ND<2.5 U	FALSE
MW-8D	3/25/2003	ND<2.5 U	FALSE
MW-8D	9/30/2003	ND<2.5 U	FALSE
MW-8D	3/30/2004	ND<2.5 U	FALSE
MW-8D	9/27/2004	ND<2.5 U	FALSE
MW-8D	4/12/2005	ND<2.5 U	FALSE
MW-8D	9/27/2005	ND<2.5 U	FALSE
MW-8D	3/27/2007	ND<5 U	FALSE
MW-8D	9/28/2007	3.5 J	FALSE
MW-8D	3/27/2008	ND<0.3 U	FALSE
MW-8D	9/29/2008	ND<2.5 U	FALSE
MW-8D	3/25/2009	ND<2.5 U	FALSE
MW-8D	10/5/2009	ND<2.5 U	FALSE
MW-9D	4/30/1998	ND<2.5 U	FALSE
MW-9D	11/9/1998	ND<2.5 U	FALSE
MW-9D	4/27/1999	ND<2.5 U	FALSE
MW-9D	11/1/1999	ND<2.5 U	FALSE
MW-9D	4/3/2000	ND<2.5 U	FALSE

MW-9D	11/7/2000	ND<2.5 U	FALSE
MW-9D	4/30/2001	ND<2.5 U	FALSE
MW-9D	10/22/2001	ND<2.5 U	FALSE
MW-9D	4/29/2002	ND<2.5 U	FALSE
MW-9D	10/28/2002	ND<2.5 U	FALSE
MW-9D	3/25/2003	ND<2.5 U	FALSE
MW-9D	9/30/2003	ND<2.5 U	FALSE
MW-9D	3/29/2004	ND<2.5 U	FALSE
MW-9D	9/27/2004	ND<2.5 U	FALSE
MW-9D	4/11/2005	ND<2.5 U	FALSE
MW-9D	9/27/2005	ND<2.5 U	FALSE
MW-11D	4/29/2002	8.4	FALSE
MW-11D	10/29/2002	ND<2.5 U	FALSE
MW-11D	3/25/2003	ND<2.5 U	FALSE
MW-11D	9/29/2003	ND<2.5 U	FALSE
MW-11D	3/30/2004	ND<2.5 U	FALSE
MW-11D	9/27/2004	ND<2.5 U	FALSE
MW-11D	4/12/2005	ND<2.5 U	FALSE
MW-11D	9/26/2005	ND<2.5 U	FALSE
MW-11D	3/27/2007	ND<5 U	FALSE
MW-11D	9/27/2007	ND<2.5 U	FALSE
MW-11D	3/27/2008	ND<0.3 U	FALSE
MW-11D	9/30/2008	ND<2.5 U	FALSE
MW-11D	3/26/2009	ND<2.5 U	FALSE
MW-11D	10/5/2009	ND<2.5 U	FALSE
MW-10D	4/30/2002	59	FALSE
MW-10D	10/29/2002	8.4	FALSE
MW-10D	3/25/2003	9	FALSE
MW-10D	9/30/2003	ND<2.5 U	FALSE
MW-10D	3/30/2004	ND<2.5 U	FALSE
MW-10D	9/27/2004	ND<2.5 U	FALSE
MW-10D	4/12/2005	5.9	FALSE
MW-10D	9/27/2005	19	FALSE
MW-10D	3/27/2007	ND<5 U	FALSE
MW-10D	9/27/2007	3.6 J	FALSE
MW-10D	3/26/2008	ND<0.3 U	FALSE
MW-10D	9/26/2008	ND<2.5 U	FALSE
MW-10D	3/26/2009	ND<2.5 U	FALSE
MW-10D	10/1/2009	ND<2.5 U	FALSE
MW-12D	10/28/2002	ND<2.5 U	FALSE
MW-12D	3/25/2003	81	FALSE
MW-12D	9/30/2003	ND<2.5 U	FALSE
MW-12D	3/30/2004	ND<2.5 U	FALSE
MW-12D	9/27/2004	22	FALSE
MW-12D	4/11/2005	15	FALSE
MW-12D	9/27/2005	ND<2.5 U	FALSE
MW-12D	3/27/2007	1.1 J	FALSE
MW-12D	9/28/2007	28.8	FALSE
MW-12D	3/27/2008	ND<0.3 U	FALSE
MW-12D	9/30/2008	5.7	FALSE
MW-12D	3/26/2009	ND<2.5 U	FALSE

MW-12D	10/2/2009	ND<2.5 U	FALSE
MW-13D	9/27/2005	12	FALSE
MW-13D	3/27/2007	ND<5 U	FALSE
MW-13D	9/28/2007	8.6	FALSE
MW-13D	3/27/2008	10	FALSE
MW-13D	9/29/2008	15.2	FALSE
MW-13D	3/26/2009	17.5	FALSE
MW-13D	10/2/2009	16	FALSE
MW-14D	3/27/2007	ND<5 U	FALSE
MW-14D	9/28/2007	ND<2.5 U	FALSE
MW-14D	3/27/2008	ND<0.3 U	FALSE
MW-14D	9/30/2008	ND<2.5 U	FALSE
MW-14D	3/26/2009	ND<2.5 U	FALSE
MW-14D	10/2/2009	ND<2.5 U	FALSE

Two-Sample Test of Proportions

Parameter: Cobalt

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Background measurements = 18
Compliance measurements = 158
Comparison Level = 70

1 background measurements exceed 70
1 compliance measurements exceed 70

p background = 0.0555556 = 1 / 18
p compliance = 0.00632911 = 1 / 158
p total = 0.0113636 = 2 / 176

nPs = 1 < 5.0
mPb = 1 < 5.0
n(1-Ps) = 157
m(1-Pb = 17

Zp = -1.86694 = -0.0492264 / 0.0263675
Z critical = 1.64485 at 95% confidence level

-1.86694 < 1.64485
No Statistical Significance at 95% Confidence Level
When Compared to Compliance Limit = 70

Non-Parametric Tolerance Interval

Parameter: Copper

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Total Percent Non-Detects = 56.25%
Background measurements (n) = 18
Maximum Background Concentration = 240
Minimum Coverage = 84.7%
Average Coverage = 94.7368%

Location	Date	Value	Significant
MW-5D	4/13/1998	ND<2.5 U	FALSE
MW-5D	11/11/1998	ND<2.5 U	FALSE
MW-5D	4/26/1999	ND<2.5 U	FALSE
MW-5D	11/2/1999	7 I	FALSE
MW-5D	4/3/2000	ND<2.5 U	FALSE
MW-5D	11/6/2000	ND<2.5 U	FALSE
MW-5D	4/30/2001	ND<2.5 U	FALSE
MW-5D	10/22/2001	ND<2.5 U	FALSE
MW-5D	4/29/2002	5.8	FALSE
MW-5D	10/28/2002	3	FALSE
MW-5D	3/24/2003	ND<1 U	FALSE
MW-5D	9/29/2003	2.2	FALSE
MW-5D	3/29/2004	ND<1 U	FALSE
MW-5D	9/27/2004	ND<1 U	FALSE
MW-5D	4/12/2005	ND<1 U	FALSE
MW-5D	9/26/2005	ND<1 U	FALSE
MW-5D	3/27/2007	1.5 J	FALSE
MW-5D	9/27/2007	0.78 J	FALSE
MW-5D	3/26/2008	ND<0.15 U	FALSE
MW-5D	9/30/2008	ND<2.5 U	FALSE
MW-5D	3/26/2009	ND<2.5 U	FALSE
MW-5D	10/2/2009	ND<2.5 U	FALSE
MW-2D	4/15/1998	ND<2.5 U	FALSE
MW-2D	11/11/1998	7 I	FALSE
MW-2D	4/27/1999	ND<2.5 U	FALSE
MW-2D	11/2/1999	ND<2.5 U	FALSE
MW-2D	4/4/2000	ND<2.5 U	FALSE
MW-2D	11/6/2000	ND<2.5 U	FALSE
MW-2D	4/30/2001	ND<2.5 U	FALSE
MW-2D	10/22/2001	ND<2.5 U	FALSE
MW-2D	4/29/2002	8.5	FALSE
MW-2D	10/28/2002	5	FALSE
MW-2D	3/24/2003	ND<1 U	FALSE
MW-2D	9/29/2003	6.8	FALSE
MW-2D	3/29/2004	3.4	FALSE
MW-2D	9/27/2004	11	FALSE
MW-2D	4/11/2005	ND<1 U	FALSE
MW-2D	9/26/2005	ND<1 U	FALSE
MW-2D	3/27/2007	ND<5 U	FALSE
MW-2D	9/28/2007	ND<2.5 U	FALSE
MW-2D	3/26/2008	ND<0.15 U	FALSE
MW-2D	9/29/2008	ND<2.5 U	FALSE

MW-2D	3/26/2009	ND<2.5 U	FALSE
MW-2D	10/1/2009	ND<2.5 U	FALSE
MW-4D	4/15/1998	5 I	FALSE
MW-4D	11/9/1998	5 I	FALSE
MW-4D	4/26/1999	ND<2.5 U	FALSE
MW-4D	11/1/1999	8 I	FALSE
MW-4D	4/4/2000	ND<2.5 U	FALSE
MW-4D	11/6/2000	16	FALSE
MW-4D	4/30/2001	ND<2.5 U	FALSE
MW-4D	10/22/2001	35	FALSE
MW-4D	4/29/2002	23	FALSE
MW-4D	10/28/2002	5.8	FALSE
MW-4D	3/24/2003	6.7	FALSE
MW-4D	9/29/2003	2.4	FALSE
MW-4D	3/29/2004	13	FALSE
MW-4D	9/27/2004	ND<1 U	FALSE
MW-4D	4/11/2005	ND<1 U	FALSE
MW-4D	9/26/2005	ND<1 U	FALSE
MW-4D	3/27/2007	0.36 J	FALSE
MW-4D	9/28/2007	ND<2.5 U	FALSE
MW-4D	3/26/2008	ND<0.15 U	FALSE
MW-4D	9/29/2008	13.6	FALSE
MW-4D	3/26/2009	8.1	FALSE
MW-4D	10/2/2009	17.4	FALSE
MW-8D	4/17/1998	ND<2.5 U	FALSE
MW-8D	11/10/1998	ND<2.5 U	FALSE
MW-8D	4/26/1999	ND<2.5 U	FALSE
MW-8D	11/1/1999	ND<2.5 U	FALSE
MW-8D	4/3/2000	6	FALSE
MW-8D	11/7/2000	ND<2.5 U	FALSE
MW-8D	4/30/2001	ND<2.5 U	FALSE
MW-8D	10/22/2001	ND<2.5 U	FALSE
MW-8D	4/29/2002	6.3	FALSE
MW-8D	10/28/2002	3.2	FALSE
MW-8D	3/25/2003	ND<1 U	FALSE
MW-8D	9/30/2003	ND<1 U	FALSE
MW-8D	3/30/2004	ND<1 U	FALSE
MW-8D	9/27/2004	4.1	FALSE
MW-8D	4/12/2005	ND<1 U	FALSE
MW-8D	9/27/2005	ND<1 U	FALSE
MW-8D	3/27/2007	1.3 J	FALSE
MW-8D	9/28/2007	2.2 J	FALSE
MW-8D	3/27/2008	ND<0.15 U	FALSE
MW-8D	9/29/2008	ND<2.5 U	FALSE
MW-8D	3/25/2009	ND<2.5 U	FALSE
MW-8D	10/5/2009	ND<2.5 U	FALSE
MW-9D	4/30/1998	ND<2.5 U	FALSE
MW-9D	11/9/1998	ND<2.5 U	FALSE
MW-9D	4/27/1999	ND<2.5 U	FALSE
MW-9D	11/1/1999	7 I	FALSE
MW-9D	4/3/2000	ND<2.5 U	FALSE

MW-9D	11/7/2000	ND<2.5 U	FALSE
MW-9D	4/30/2001	ND<2.5 U	FALSE
MW-9D	10/22/2001	ND<2.5 U	FALSE
MW-9D	4/29/2002	ND<1 U	FALSE
MW-9D	10/28/2002	ND<1 U	FALSE
MW-9D	3/25/2003	ND<1 U	FALSE
MW-9D	9/30/2003	6.7	FALSE
MW-9D	3/29/2004	3.4	FALSE
MW-9D	9/27/2004	2.7	FALSE
MW-9D	4/11/2005	ND<1 U	FALSE
MW-9D	9/27/2005	ND<1 U	FALSE
MW-11D	4/29/2002	13	FALSE
MW-11D	10/29/2002	ND<1 U	FALSE
MW-11D	3/25/2003	2.6	FALSE
MW-11D	9/29/2003	3.2	FALSE
MW-11D	3/30/2004	ND<1 U	FALSE
MW-11D	9/27/2004	ND<1 U	FALSE
MW-11D	4/12/2005	ND<1 U	FALSE
MW-11D	9/26/2005	ND<1 U	FALSE
MW-11D	3/27/2007	2.6 J	FALSE
MW-11D	9/27/2007	ND<2.5 U	FALSE
MW-11D	3/27/2008	ND<0.15 U	FALSE
MW-11D	9/30/2008	ND<2.5 U	FALSE
MW-11D	3/26/2009	ND<2.5 U	FALSE
MW-11D	10/5/2009	ND<2.5 U	FALSE
MW-10D	4/30/2002	180	FALSE
MW-10D	10/29/2002	17	FALSE
MW-10D	3/25/2003	21	FALSE
MW-10D	9/30/2003	2.8	FALSE
MW-10D	3/30/2004	3	FALSE
MW-10D	9/27/2004	2	FALSE
MW-10D	4/12/2005	19	FALSE
MW-10D	9/27/2005	43	FALSE
MW-10D	3/27/2007	0.91 J	FALSE
MW-10D	9/27/2007	10.6	FALSE
MW-10D	3/26/2008	ND<0.15 U	FALSE
MW-10D	9/26/2008	ND<2.5 U	FALSE
MW-10D	3/26/2009	ND<2.5 U	FALSE
MW-10D	10/1/2009	5.8	FALSE
MW-12D	10/28/2002	ND<1 U	FALSE
MW-12D	3/25/2003	200	FALSE
MW-12D	9/30/2003	16	FALSE
MW-12D	3/30/2004	2.2	FALSE
MW-12D	9/27/2004	82	FALSE
MW-12D	4/11/2005	61	FALSE
MW-12D	9/27/2005	12	FALSE
MW-12D	3/27/2007	3 J	FALSE
MW-12D	9/28/2007	43.1	FALSE
MW-12D	3/27/2008	6.1	FALSE
MW-12D	9/30/2008	ND<2.5 U	FALSE
MW-12D	3/26/2009	ND<2.5 U	FALSE

MW-12D	10/2/2009	ND<2.5 U	FALSE
MW-13D	9/27/2005	34	FALSE
MW-13D	3/27/2007	12	FALSE
MW-13D	9/28/2007	0.3 J	FALSE
MW-13D	3/27/2008	ND<0.15 U	FALSE
MW-13D	9/29/2008	ND<2.5 U	FALSE
MW-13D	3/26/2009	5.6	FALSE
MW-13D	10/2/2009	ND<2.5 U	FALSE
MW-14D	3/27/2007	ND<5 U	FALSE
MW-14D	9/28/2007	0.66 J	FALSE
MW-14D	3/27/2008	ND<0.15 U	FALSE
MW-14D	9/30/2008	ND<2.5 U	FALSE
MW-14D	3/26/2009	ND<2.5 U	FALSE
MW-14D	10/2/2009	ND<2.5 U	FALSE

Two-Sample Test of Proportions

Parameter: Copper

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Background measurements = 18
Compliance measurements = 158
Comparison Level = 1000

0 background measurements exceed 1000
0 compliance measurements exceed 1000

p background = 0 = 0 / 18
p compliance = 0 = 0 / 158
p total = 0 = 0 / 176

nPs = 0 < 5.0
mPb = 0 < 5.0
n(1-Ps) = 158
m(1-Pb = 18

Divide by zero error.

Non-Parametric Tolerance Interval

Parameter: Lead

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Total Percent Non-Detects = 89.2045%
Background measurements (n) = 18
Maximum Background Concentration = 25
Minimum Coverage = 84.7%
Average Coverage = 94.7368%

Location	Date	Value	Significant
MW-5D	4/13/1998	ND<2 U	FALSE
MW-5D	11/11/1998	ND<2 U	FALSE
MW-5D	4/26/1999	ND<2 U	FALSE
MW-5D	11/2/1999	ND<2 U	FALSE
MW-5D	4/3/2000	ND<2 U	FALSE
MW-5D	11/6/2000	ND<5 U	FALSE
MW-5D	4/30/2001	ND<5 U	FALSE
MW-5D	10/22/2001	ND<5 U	FALSE
MW-5D	4/29/2002	ND<5 U	FALSE
MW-5D	10/28/2002	ND<5 U	FALSE
MW-5D	3/24/2003	ND<5 U	FALSE
MW-5D	9/29/2003	ND<2.5 U	FALSE
MW-5D	3/29/2004	ND<2.5 U	FALSE
MW-5D	9/27/2004	ND<2.5 U	FALSE
MW-5D	4/12/2005	ND<2.5 U	FALSE
MW-5D	9/26/2005	ND<2.5 U	FALSE
MW-5D	3/27/2007	ND<5 U	FALSE
MW-5D	9/27/2007	ND<2.5 U	FALSE
MW-5D	3/26/2008	ND<2 U	FALSE
MW-5D	9/30/2008	ND<2.5 U	FALSE
MW-5D	3/26/2009	ND<2.5 U	FALSE
MW-5D	10/2/2009	ND<2.5 U	FALSE
MW-2D	4/15/1998	5 I	FALSE
MW-2D	11/11/1998	6 I	FALSE
MW-2D	4/27/1999	ND<2 U	FALSE
MW-2D	11/2/1999	ND<2 U	FALSE
MW-2D	4/4/2000	ND<2 U	FALSE
MW-2D	11/6/2000	ND<5 U	FALSE
MW-2D	4/30/2001	ND<5 U	FALSE
MW-2D	10/22/2001	ND<5 U	FALSE
MW-2D	4/29/2002	ND<5 U	FALSE
MW-2D	10/28/2002	ND<5 U	FALSE
MW-2D	3/24/2003	ND<5 U	FALSE
MW-2D	9/29/2003	ND<2.5 U	FALSE
MW-2D	3/29/2004	ND<2.5 U	FALSE
MW-2D	9/27/2004	ND<2.5 U	FALSE
MW-2D	4/11/2005	ND<2.5 U	FALSE
MW-2D	9/26/2005	ND<2.5 U	FALSE
MW-2D	3/27/2007	ND<5 U	FALSE
MW-2D	9/28/2007	ND<2.5 U	FALSE
MW-2D	3/26/2008	ND<2 U	FALSE
MW-2D	9/29/2008	ND<2.5 U	FALSE

MW-2D	3/26/2009	ND<2.5 U	FALSE
MW-2D	10/1/2009	ND<2.5 U	FALSE

MW-4D	4/15/1998	13 I	FALSE
MW-4D	11/9/1998	ND<2 U	FALSE
MW-4D	4/26/1999	ND<2 U	FALSE
MW-4D	11/1/1999	ND<2 U	FALSE
MW-4D	4/4/2000	ND<2 U	FALSE
MW-4D	11/6/2000	ND<5 U	FALSE
MW-4D	4/30/2001	ND<5 U	FALSE
MW-4D	10/22/2001	ND<5 U	FALSE
MW-4D	4/29/2002	ND<5 U	FALSE
MW-4D	10/28/2002	ND<5 U	FALSE
MW-4D	3/24/2003	ND<5 U	FALSE
MW-4D	9/29/2003	ND<2.5 U	FALSE
MW-4D	3/29/2004	ND<2.5 U	FALSE
MW-4D	9/27/2004	ND<2.5 U	FALSE
MW-4D	4/11/2005	ND<2.5 U	FALSE
MW-4D	9/26/2005	ND<2.5 U	FALSE
MW-4D	3/27/2007	ND<5 U	FALSE
MW-4D	9/28/2007	ND<2.5 U	FALSE
MW-4D	3/26/2008	ND<2 U	FALSE
MW-4D	9/29/2008	ND<2.5 U	FALSE
MW-4D	3/26/2009	ND<2.5 U	FALSE
MW-4D	10/2/2009	ND<2.5 U	FALSE

MW-8D	4/17/1998	ND<2 U	FALSE
MW-8D	11/10/1998	ND<2 U	FALSE
MW-8D	4/26/1999	ND<2 U	FALSE
MW-8D	11/1/1999	ND<2 U	FALSE
MW-8D	4/3/2000	ND<2 U	FALSE
MW-8D	11/7/2000	ND<5 U	FALSE
MW-8D	4/30/2001	ND<5 U	FALSE
MW-8D	10/22/2001	ND<5 U	FALSE
MW-8D	4/29/2002	ND<5 U	FALSE
MW-8D	10/28/2002	ND<5 U	FALSE
MW-8D	3/25/2003	ND<5 U	FALSE
MW-8D	9/30/2003	ND<2.5 U	FALSE
MW-8D	3/30/2004	ND<2.5 U	FALSE
MW-8D	9/27/2004	ND<2.5 U	FALSE
MW-8D	4/12/2005	ND<2.5 U	FALSE
MW-8D	9/27/2005	ND<2.5 U	FALSE
MW-8D	3/27/2007	ND<5 U	FALSE
MW-8D	9/28/2007	ND<2.5 U	FALSE
MW-8D	3/27/2008	ND<2 U	FALSE
MW-8D	9/29/2008	ND<2.5 U	FALSE
MW-8D	3/25/2009	ND<2.5 U	FALSE
MW-8D	10/5/2009	ND<2.5 U	FALSE

MW-9D	4/30/1998	ND<2 U	FALSE
MW-9D	11/9/1998	7 I	FALSE
MW-9D	4/27/1999	ND<2 U	FALSE
MW-9D	11/1/1999	ND<2 U	FALSE
MW-9D	4/3/2000	ND<2 U	FALSE

MW-9D	11/7/2000	ND<5 U	FALSE
MW-9D	4/30/2001	ND<5 U	FALSE
MW-9D	10/22/2001	ND<5 U	FALSE
MW-9D	4/29/2002	ND<5 U	FALSE
MW-9D	10/28/2002	ND<5 U	FALSE
MW-9D	3/25/2003	ND<5 U	FALSE
MW-9D	9/30/2003	6	FALSE
MW-9D	3/29/2004	5.1	FALSE
MW-9D	9/27/2004	ND<2.5 U	FALSE
MW-9D	4/11/2005	ND<2.5 U	FALSE
MW-9D	9/27/2005	ND<2.5 U	FALSE
MW-11D	4/29/2002	ND<5 U	FALSE
MW-11D	10/29/2002	ND<5 U	FALSE
MW-11D	3/25/2003	ND<5 U	FALSE
MW-11D	9/29/2003	ND<2.5 U	FALSE
MW-11D	3/30/2004	ND<2.5 U	FALSE
MW-11D	9/27/2004	ND<2.5 U	FALSE
MW-11D	4/12/2005	ND<2.5 U	FALSE
MW-11D	9/26/2005	ND<2.5 U	FALSE
MW-11D	3/27/2007	ND<5 U	FALSE
MW-11D	9/27/2007	ND<2.5 U	FALSE
MW-11D	3/27/2008	ND<2 U	FALSE
MW-11D	9/30/2008	ND<2.5 U	FALSE
MW-11D	3/26/2009	ND<2.5 U	FALSE
MW-11D	10/5/2009	ND<2.5 U	FALSE
MW-10D	4/30/2002	ND<5 U	FALSE
MW-10D	10/29/2002	ND<5 U	FALSE
MW-10D	3/25/2003	12	FALSE
MW-10D	9/30/2003	ND<2.5 U	FALSE
MW-10D	3/30/2004	ND<2.5 U	FALSE
MW-10D	9/27/2004	ND<2.5 U	FALSE
MW-10D	4/12/2005	5.1	FALSE
MW-10D	9/27/2005	ND<2.5 U	FALSE
MW-10D	3/27/2007	ND<5 U	FALSE
MW-10D	9/27/2007	ND<2.5 U	FALSE
MW-10D	3/26/2008	ND<2 U	FALSE
MW-10D	9/26/2008	ND<2.5 U	FALSE
MW-10D	3/26/2009	ND<2.5 U	FALSE
MW-10D	10/1/2009	ND<2.5 U	FALSE
MW-12D	10/28/2002	ND<5 U	FALSE
MW-12D	3/25/2003	ND<5 U	FALSE
MW-12D	9/30/2003	ND<2.5 U	FALSE
MW-12D	3/30/2004	ND<2.5 U	FALSE
MW-12D	9/27/2004	16	FALSE
MW-12D	4/11/2005	16	FALSE
MW-12D	9/27/2005	ND<2.5 U	FALSE
MW-12D	3/27/2007	ND<5 U	FALSE
MW-12D	9/28/2007	6	FALSE
MW-12D	3/27/2008	ND<2 U	FALSE
MW-12D	9/30/2008	ND<2.5 U	FALSE
MW-12D	3/26/2009	ND<2.5 U	FALSE

MW-12D	10/2/2009	ND<2.5 U	FALSE
MW-13D	9/27/2005	8.9	FALSE
MW-13D	3/27/2007	ND<5 U	FALSE
MW-13D	9/28/2007	ND<2.5 U	FALSE
MW-13D	3/27/2008	ND<2 U	FALSE
MW-13D	9/29/2008	ND<2.5 U	FALSE
MW-13D	3/26/2009	ND<2.5 U	FALSE
MW-13D	10/2/2009	ND<2.5 U	FALSE
MW-14D	3/27/2007	ND<5 U	FALSE
MW-14D	9/28/2007	ND<2.5 U	FALSE
MW-14D	3/27/2008	ND<2 U	FALSE
MW-14D	9/30/2008	ND<2.5 U	FALSE
MW-14D	3/26/2009	ND<2.5 U	FALSE
MW-14D	10/2/2009	ND<2.5 U	FALSE

Two-Sample Test of Proportions

Parameter: Lead

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Background measurements = 18
Compliance measurements = 158
Comparison Level = 15

1 background measurements exceed 15
2 compliance measurements exceed 15

p background = 0.0555556 = 1 / 18
p compliance = 0.0126582 = 2 / 158
p total = 0.0170455 = 3 / 176

nPs = 2 < 5.0
mPb = 1 < 5.0
n(1-Ps) = 156
m(1-Pb = 17

Zp = -1.33219 = -0.0428973 / 0.0322005
Z critical = 1.64485 at 95% confidence level

-1.33219 < 1.64485
No Statistical Significance at 95% Confidence Level
When Compared to Compliance Limit = 15

Non-Parametric Tolerance Interval

Parameter: Nickel

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Total Percent Non-Detects = 56.8182%
Background measurements (n) = 18
Maximum Background Concentration = 212
Minimum Coverage = 84.7%
Average Coverage = 94.7368%

Location	Date	Value	Significant
MW-5D	4/13/1998	8 I	FALSE
MW-5D	11/11/1998	6 I	FALSE
MW-5D	4/26/1999	ND<2.5 U	FALSE
MW-5D	11/2/1999	ND<2.5 U	FALSE
MW-5D	4/3/2000	ND<2.5 U	FALSE
MW-5D	11/6/2000	7.1	FALSE
MW-5D	4/30/2001	ND<2.5 U	FALSE
MW-5D	10/22/2001	6	FALSE
MW-5D	4/29/2002	9	FALSE
MW-5D	10/28/2002	ND<2.5 U	FALSE
MW-5D	3/24/2003	ND<2.5 U	FALSE
MW-5D	9/29/2003	ND<2.5 U	FALSE
MW-5D	3/29/2004	ND<2.5 U	FALSE
MW-5D	9/27/2004	ND<2.5 U	FALSE
MW-5D	4/12/2005	ND<2.5 U	FALSE
MW-5D	9/26/2005	ND<2.5 U	FALSE
MW-5D	3/27/2007	ND<25 U	FALSE
MW-5D	9/27/2007	2.9 J	FALSE
MW-5D	3/26/2008	ND<0.85 U	FALSE
MW-5D	9/30/2008	ND<2.5 U	FALSE
MW-5D	3/26/2009	ND<2.5 U	FALSE
MW-5D	10/2/2009	ND<2.5 U	FALSE
MW-2D	4/15/1998	ND<2.5 U	FALSE
MW-2D	11/11/1998	8 I	FALSE
MW-2D	4/27/1999	ND<2.5 U	FALSE
MW-2D	11/2/1999	ND<2.5 U	FALSE
MW-2D	4/4/2000	ND<2.5 U	FALSE
MW-2D	11/6/2000	ND<2.5 U	FALSE
MW-2D	4/30/2001	ND<2.5 U	FALSE
MW-2D	10/22/2001	ND<2.5 U	FALSE
MW-2D	4/29/2002	11	FALSE
MW-2D	10/28/2002	5.5	FALSE
MW-2D	3/24/2003	ND<2.5 U	FALSE
MW-2D	9/29/2003	7.2	FALSE
MW-2D	3/29/2004	ND<2.5 U	FALSE
MW-2D	9/27/2004	ND<2.5 U	FALSE
MW-2D	4/11/2005	ND<2.5 U	FALSE
MW-2D	9/26/2005	ND<2.5 U	FALSE
MW-2D	3/27/2007	ND<25 U	FALSE
MW-2D	9/28/2007	ND<2.5 U	FALSE
MW-2D	3/26/2008	ND<0.85 U	FALSE
MW-2D	9/29/2008	ND<2.5 U	FALSE

MW-2D	3/26/2009	ND<2.5 U	FALSE
MW-2D	10/1/2009	ND<2.5 U	FALSE
MW-4D	4/15/1998	ND<2.5 U	FALSE
MW-4D	11/9/1998	6 I	FALSE
MW-4D	4/26/1999	ND<2.5 U	FALSE
MW-4D	11/1/1999	5 I	FALSE
MW-4D	4/4/2000	ND<2.5 U	FALSE
MW-4D	11/6/2000	6.5	FALSE
MW-4D	4/30/2001	ND<2.5 U	FALSE
MW-4D	10/22/2001	24	FALSE
MW-4D	4/29/2002	14	FALSE
MW-4D	10/28/2002	ND<2.5 U	FALSE
MW-4D	3/24/2003	ND<2.5 U	FALSE
MW-4D	9/29/2003	ND<2.5 U	FALSE
MW-4D	3/29/2004	7	FALSE
MW-4D	9/27/2004	ND<2.5 U	FALSE
MW-4D	4/11/2005	ND<2.5 U	FALSE
MW-4D	9/26/2005	ND<2.5 U	FALSE
MW-4D	3/27/2007	ND<25 U	FALSE
MW-4D	9/28/2007	ND<2.5 U	FALSE
MW-4D	3/26/2008	ND<0.85 U	FALSE
MW-4D	9/29/2008	8	FALSE
MW-4D	3/26/2009	7.1	FALSE
MW-4D	10/2/2009	13.2	FALSE
MW-8D	4/17/1998	ND<2.5 U	FALSE
MW-8D	11/10/1998	ND<2.5 U	FALSE
MW-8D	4/26/1999	ND<2.5 U	FALSE
MW-8D	11/1/1999	ND<2.5 U	FALSE
MW-8D	4/3/2000	5 I	FALSE
MW-8D	11/7/2000	ND<2.5 U	FALSE
MW-8D	4/30/2001	ND<2.5 U	FALSE
MW-8D	10/22/2001	12	FALSE
MW-8D	4/29/2002	7.7	FALSE
MW-8D	10/28/2002	ND<2.5 U	FALSE
MW-8D	3/25/2003	ND<2.5 U	FALSE
MW-8D	9/30/2003	ND<2.5 U	FALSE
MW-8D	3/30/2004	ND<2.5 U	FALSE
MW-8D	9/27/2004	ND<2.5 U	FALSE
MW-8D	4/12/2005	ND<2.5 U	FALSE
MW-8D	9/27/2005	ND<2.5 U	FALSE
MW-8D	3/27/2007	ND<25 U	FALSE
MW-8D	9/28/2007	ND<2.5 U	FALSE
MW-8D	3/27/2008	ND<0.85 U	FALSE
MW-8D	9/29/2008	ND<2.5 U	FALSE
MW-8D	3/25/2009	ND<2.5 U	FALSE
MW-8D	10/5/2009	ND<2.5 U	FALSE
MW-9D	4/30/1998	ND<2.5 U	FALSE
MW-9D	11/9/1998	7 I	FALSE
MW-9D	4/27/1999	ND<2.5 U	FALSE
MW-9D	11/1/1999	8 I	FALSE
MW-9D	4/3/2000	ND<2.5 U	FALSE

MW-9D	11/7/2000	ND<2.5 U	FALSE
MW-9D	4/30/2001	ND<2.5 U	FALSE
MW-9D	10/22/2001	6	FALSE
MW-9D	4/29/2002	6.8	FALSE
MW-9D	10/28/2002	ND<2.5 U	FALSE
MW-9D	3/25/2003	5.9	FALSE
MW-9D	9/30/2003	10	FALSE
MW-9D	3/29/2004	8.6	FALSE
MW-9D	9/27/2004	ND<2.5 U	FALSE
MW-9D	4/11/2005	8.7	FALSE
MW-9D	9/27/2005	14	FALSE
MW-11D	4/29/2002	20	FALSE
MW-11D	10/29/2002	ND<2.5 U	FALSE
MW-11D	3/25/2003	13	FALSE
MW-11D	9/29/2003	ND<2.5 U	FALSE
MW-11D	3/30/2004	ND<2.5 U	FALSE
MW-11D	9/27/2004	ND<2.5 U	FALSE
MW-11D	4/12/2005	ND<2.5 U	FALSE
MW-11D	9/26/2005	ND<2.5 U	FALSE
MW-11D	3/27/2007	ND<25 U	FALSE
MW-11D	9/27/2007	ND<2.5 U	FALSE
MW-11D	3/27/2008	ND<0.85 U	FALSE
MW-11D	9/30/2008	ND<2.5 U	FALSE
MW-11D	3/26/2009	ND<2.5 U	FALSE
MW-11D	10/5/2009	ND<2.5 U	FALSE
MW-10D	**4/30/2002**	**240**	**TRUE**
MW-10D	10/29/2002	48	FALSE
MW-10D	3/25/2003	47	FALSE
MW-10D	9/30/2003	10	FALSE
MW-10D	3/30/2004	8.8	FALSE
MW-10D	9/27/2004	12	FALSE
MW-10D	4/12/2005	35	FALSE
MW-10D	9/27/2005	63	FALSE
MW-10D	3/27/2007	4.8 J	FALSE
MW-10D	9/27/2007	15.2	FALSE
MW-10D	3/26/2008	7.9	FALSE
MW-10D	9/26/2008	5.5	FALSE
MW-10D	3/26/2009	6	FALSE
MW-10D	10/1/2009	9.5	FALSE
MW-12D	10/28/2002	ND<2.5 U	FALSE
MW-12D	**3/25/2003**	**230**	**TRUE**
MW-12D	9/30/2003	15	FALSE
MW-12D	3/30/2004	ND<2.5 U	FALSE
MW-12D	9/27/2004	52	FALSE
MW-12D	4/11/2005	41	FALSE
MW-12D	9/27/2005	9.9	FALSE
MW-12D	3/27/2007	ND<25 U	FALSE
MW-12D	9/28/2007	32.5	FALSE
MW-12D	3/27/2008	6.7	FALSE
MW-12D	9/30/2008	9	FALSE
MW-12D	3/26/2009	ND<2.5 U	FALSE

MW-12D	10/2/2009	12.7	FALSE
MW-13D	9/27/2005	58	FALSE
MW-13D	3/27/2007	26 J	FALSE
MW-13D	9/28/2007	24.3	FALSE
MW-13D	3/27/2008	35.6	FALSE
MW-13D	9/29/2008	23.1	FALSE
MW-13D	3/26/2009	26.2	FALSE
MW-13D	10/2/2009	29	FALSE
MW-14D	3/27/2007	ND<25 U	FALSE
MW-14D	9/28/2007	ND<2.5 U	FALSE
MW-14D	3/27/2008	ND<0.85 U	FALSE
MW-14D	9/30/2008	ND<2.5 U	FALSE
MW-14D	3/26/2009	ND<2.5 U	FALSE
MW-14D	10/2/2009	ND<2.5 U	FALSE

Two-Sample Test of Proportions

Parameter: Nickel

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Background measurements = 18
Compliance measurements = 158
Comparison Level = 100

1 background measurements exceed 100
2 compliance measurements exceed 100

p background = 0.0555556 = 1 / 18
p compliance = 0.0126582 = 2 / 158
p total = 0.0170455 = 3 / 176

nPs = 2 < 5.0
mPb = 1 < 5.0
n(1-Ps) = 156
m(1-Pb = 17

Zp = -1.33219 = -0.0428973 / 0.0322005
Z critical = 1.64485 at 95% confidence level

-1.33219 < 1.64485
No Statistical Significance at 95% Confidence Level
When Compared to Compliance Limit = 100

Non-Parametric Tolerance Interval

Parameter: Vanadium

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Total Percent Non-Detects = 50.5682%
Background measurements (n) = 18
Maximum Background Concentration = 420
Minimum Coverage = 84.7%
Average Coverage = 94.7368%

Location	Date	Value	Significant
MW-5D	4/13/1998	12 I	FALSE
MW-5D	11/11/1998	6 I	FALSE
MW-5D	4/26/1999	ND<2.5 U	FALSE
MW-5D	11/2/1999	ND<2.5 U	FALSE
MW-5D	4/3/2000	ND<2.5 U	FALSE
MW-5D	11/6/2000	8.3	FALSE
MW-5D	4/30/2001	ND<2.5 U	FALSE
MW-5D	10/22/2001	7.3	FALSE
MW-5D	4/29/2002	15	FALSE
MW-5D	10/28/2002	ND<2.5 U	FALSE
MW-5D	3/24/2003	ND<2.5 U	FALSE
MW-5D	9/29/2003	ND<2.5 U	FALSE
MW-5D	3/29/2004	ND<2.5 U	FALSE
MW-5D	9/27/2004	ND<2.5 U	FALSE
MW-5D	4/12/2005	ND<2.5 U	FALSE
MW-5D	9/26/2005	ND<2.5 U	FALSE
MW-5D	3/27/2007	2.4 J	FALSE
MW-5D	9/27/2007	1.9 J	FALSE
MW-5D	3/26/2008	ND<0.1 U	FALSE
MW-5D	9/30/2008	ND<2.5 U	FALSE
MW-5D	3/26/2009	7.5	FALSE
MW-5D	10/2/2009	ND<2.5 U	FALSE
MW-2D	4/15/1998	ND<2.5 U	FALSE
MW-2D	11/11/1998	14 I	FALSE
MW-2D	4/27/1999	ND<2.5 U	FALSE
MW-2D	11/2/1999	6 I	FALSE
MW-2D	4/4/2000	ND<2.5 U	FALSE
MW-2D	11/6/2000	5.3	FALSE
MW-2D	4/30/2001	8.1	FALSE
MW-2D	10/22/2001	ND<2.5 U	FALSE
MW-2D	4/29/2002	17	FALSE
MW-2D	10/28/2002	10	FALSE
MW-2D	3/24/2003	ND<2.5 U	FALSE
MW-2D	9/29/2003	13	FALSE
MW-2D	3/29/2004	8.2	FALSE
MW-2D	9/27/2004	9.9	FALSE
MW-2D	4/11/2005	ND<2.5 U	FALSE
MW-2D	9/26/2005	ND<2.5 U	FALSE
MW-2D	3/27/2007	2.6 J	FALSE
MW-2D	9/28/2007	3.1 J	FALSE
MW-2D	3/26/2008	ND<0.1 U	FALSE
MW-2D	9/29/2008	ND<2.5 U	FALSE

MW-2D	3/26/2009	ND<2.5 U	FALSE
MW-2D	10/1/2009	ND<2.5 U	FALSE
MW-4D	4/15/1998	6 I	FALSE
MW-4D	11/9/1998	18 I	FALSE
MW-4D	4/26/1999	5 I	FALSE
MW-4D	11/1/1999	ND<2.5 U	FALSE
MW-4D	4/4/2000	ND<2.5 U	FALSE
MW-4D	11/6/2000	44	FALSE
MW-4D	4/30/2001	21	FALSE
MW-4D	10/22/2001	100	FALSE
MW-4D	4/29/2002	59	FALSE
MW-4D	10/28/2002	12	FALSE
MW-4D	3/24/2003	22	FALSE
MW-4D	9/29/2003	8.6	FALSE
MW-4D	3/29/2004	39	FALSE
MW-4D	9/27/2004	6.2	FALSE
MW-4D	4/11/2005	6.1	FALSE
MW-4D	9/26/2005	5.1	FALSE
MW-4D	3/27/2007	4.3 J	FALSE
MW-4D	9/28/2007	3.7 J	FALSE
MW-4D	3/26/2008	9.7	FALSE
MW-4D	9/29/2008	46.7	FALSE
MW-4D	3/26/2009	30.5	FALSE
MW-4D	10/2/2009	60.7	FALSE
MW-8D	4/17/1998	ND<2.5 U	FALSE
MW-8D	11/10/1998	ND<2.5 U	FALSE
MW-8D	4/26/1999	ND<2.5 U	FALSE
MW-8D	11/1/1999	ND<2.5 U	FALSE
MW-8D	4/3/2000	ND<2.5 U	FALSE
MW-8D	11/7/2000	ND<2.5 U	FALSE
MW-8D	4/30/2001	ND<2.5 U	FALSE
MW-8D	10/22/2001	8.5	FALSE
MW-8D	4/29/2002	18	FALSE
MW-8D	10/28/2002	ND<2.5 U	FALSE
MW-8D	3/25/2003	ND<2.5 U	FALSE
MW-8D	9/30/2003	ND<2.5 U	FALSE
MW-8D	3/30/2004	ND<2.5 U	FALSE
MW-8D	9/27/2004	ND<2.5 U	FALSE
MW-8D	4/12/2005	ND<2.5 U	FALSE
MW-8D	9/27/2005	ND<2.5 U	FALSE
MW-8D	3/27/2007	1.8 J	FALSE
MW-8D	9/28/2007	1.9 J	FALSE
MW-8D	3/27/2008	ND<0.1 U	FALSE
MW-8D	9/29/2008	ND<2.5 U	FALSE
MW-8D	3/25/2009	ND<2.5 U	FALSE
MW-8D	10/5/2009	ND<2.5 U	FALSE
MW-9D	4/30/1998	ND<2.5 U	FALSE
MW-9D	11/9/1998	8 I	FALSE
MW-9D	4/27/1999	ND<2.5 U	FALSE
MW-9D	11/1/1999	ND<2.5 U	FALSE
MW-9D	4/3/2000	ND<2.5 U	FALSE

MW-9D	11/7/2000	ND<2.5 U	FALSE
MW-9D	4/30/2001	ND<2.5 U	FALSE
MW-9D	10/22/2001	5.4	FALSE
MW-9D	4/29/2002	ND<2.5 U	FALSE
MW-9D	10/28/2002	ND<2.5 U	FALSE
MW-9D	3/25/2003	ND<2.5 U	FALSE
MW-9D	9/30/2003	11	FALSE
MW-9D	3/29/2004	6.2	FALSE
MW-9D	9/27/2004	ND<2.5 U	FALSE
MW-9D	4/11/2005	ND<2.5 U	FALSE
MW-9D	9/27/2005	ND<2.5 U	FALSE
MW-11D	4/29/2002	13	FALSE
MW-11D	10/29/2002	ND<2.5 U	FALSE
MW-11D	3/25/2003	ND<2.5 U	FALSE
MW-11D	9/29/2003	ND<2.5 U	FALSE
MW-11D	3/30/2004	ND<2.5 U	FALSE
MW-11D	9/27/2004	ND<2.5 U	FALSE
MW-11D	4/12/2005	ND<2.5 U	FALSE
MW-11D	9/26/2005	ND<2.5 U	FALSE
MW-11D	3/27/2007	2.1 J	FALSE
MW-11D	9/27/2007	1.4 J	FALSE
MW-11D	3/27/2008	ND<0.1 U	FALSE
MW-11D	9/30/2008	ND<2.5 U	FALSE
MW-11D	3/26/2009	ND<2.5 U	FALSE
MW-11D	10/5/2009	ND<2.5 U	FALSE
MW-10D	4/30/2002	190	FALSE
MW-10D	10/29/2002	14	FALSE
MW-10D	3/25/2003	25	FALSE
MW-10D	9/30/2003	ND<2.5 U	FALSE
MW-10D	3/30/2004	ND<2.5 U	FALSE
MW-10D	9/27/2004	ND<2.5 U	FALSE
MW-10D	4/12/2005	9.8	FALSE
MW-10D	9/27/2005	27	FALSE
MW-10D	3/27/2007	3.9 J	FALSE
MW-10D	9/27/2007	5.8	FALSE
MW-10D	3/26/2008	ND<0.1 U	FALSE
MW-10D	9/26/2008	ND<2.5 U	FALSE
MW-10D	3/26/2009	ND<2.5 U	FALSE
MW-10D	10/1/2009	ND<2.5 U	FALSE
MW-12D	10/28/2002	ND<2.5 U	FALSE
MW-12D	3/25/2003	300	FALSE
MW-12D	9/30/2003	25	FALSE
MW-12D	3/30/2004	ND<2.5 U	FALSE
MW-12D	9/27/2004	120	FALSE
MW-12D	4/11/2005	100	FALSE
MW-12D	9/27/2005	16	FALSE
MW-12D	3/27/2007	7.4 J	FALSE
MW-12D	9/28/2007	83.1	FALSE
MW-12D	3/27/2008	15.5	FALSE
MW-12D	9/30/2008	ND<2.5 U	FALSE
MW-12D	3/26/2009	7	FALSE

MW-12D	10/2/2009	ND<2.5 U	FALSE
MW-13D	9/27/2005	130	FALSE
MW-13D	3/27/2007	30	FALSE
MW-13D	9/28/2007	0.67 J	FALSE
MW-13D	3/27/2008	9.6	FALSE
MW-13D	9/29/2008	5.2	FALSE
MW-13D	3/26/2009	17.3	FALSE
MW-13D	10/2/2009	ND<2.5 U	FALSE
MW-14D	3/27/2007	1.4 J	FALSE
MW-14D	9/28/2007	2 J	FALSE
MW-14D	3/27/2008	ND<0.1 U	FALSE
MW-14D	9/30/2008	ND<2.5 U	FALSE
MW-14D	3/26/2009	ND<2.5 U	FALSE
MW-14D	10/2/2009	ND<2.5 U	FALSE

Two-Sample Test of Proportions

Parameter: Vanadium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Background measurements = 18
Compliance measurements = 158
Comparison Level = 3.5

18 background measurements exceed 3.5
141 compliance measurements exceed 3.5

p background = 1 = 18 / 18
p compliance = 0.892405 = 141 / 158
p total = 0.903409 = 159 / 176

nPs = 141
mPb = 18
n(1-Ps) = 17
m(1-Pb = 0 < 5.0

Zp = -1.46416 = -0.107595 / 0.0734855
Z critical = 1.64485 at 95% confidence level

-1.46416 < 1.64485
No Statistical Significance at 95% Confidence Level
When Compared to Compliance Limit = 3.5

Non-Parametric Tolerance Interval

Parameter: Zinc

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Total Percent Non-Detects = 30.6818%
Background measurements (n) = 18
Maximum Background Concentration = 195
Minimum Coverage = 84.7%
Average Coverage = 94.7368%

Location	Date	Value	Significant
MW-5D	4/13/1998	30 I	FALSE
MW-5D	11/11/1998	96 I	FALSE
MW-5D	4/26/1999	49 I	FALSE
MW-5D	11/2/1999	70 I	FALSE
MW-5D	4/3/2000	47 I	FALSE
MW-5D	11/6/2000	28	FALSE
MW-5D	4/30/2001	ND<5 U	FALSE
MW-5D	10/22/2001	33	FALSE
MW-5D	4/29/2002	52	FALSE
MW-5D	10/28/2002	11	FALSE
MW-5D	3/24/2003	11	FALSE
MW-5D	9/29/2003	ND<5 U	FALSE
MW-5D	3/29/2004	ND<5 U	FALSE
MW-5D	9/27/2004	79	FALSE
MW-5D	4/12/2005	32	FALSE
MW-5D	9/26/2005	17	FALSE
MW-5D	3/27/2007	15	FALSE
MW-5D	9/27/2007	20.7	FALSE
MW-5D	3/26/2008	22.4	FALSE
MW-5D	9/30/2008	ND<5 U	FALSE
MW-5D	3/26/2009	17.2	FALSE
MW-5D	10/2/2009	10.3	FALSE
MW-2D	4/15/1998	180	FALSE
MW-2D	11/11/1998	28 I	FALSE
MW-2D	4/27/1999	29 I	FALSE
MW-2D	11/2/1999	20 I	FALSE
MW-2D	4/4/2000	ND<12.5 U	FALSE
MW-2D	11/6/2000	14	FALSE
MW-2D	4/30/2001	37	FALSE
MW-2D	10/22/2001	ND<5 U	FALSE
MW-2D	4/29/2002	33	FALSE
MW-2D	10/28/2002	18	FALSE
MW-2D	3/24/2003	ND<5 U	FALSE
MW-2D	9/29/2003	24	FALSE
MW-2D	3/29/2004	18	FALSE
MW-2D	9/27/2004	16	FALSE
MW-2D	4/11/2005	ND<5 U	FALSE
MW-2D	9/26/2005	ND<5 U	FALSE
MW-2D	3/27/2007	6.6 J	FALSE
MW-2D	9/28/2007	5.6 J	FALSE
MW-2D	3/26/2008	ND<0.2 U	FALSE
MW-2D	9/29/2008	ND<5 U	FALSE

MW-2D	3/26/2009	ND<5 U	FALSE
MW-2D	10/1/2009	16.1	FALSE
MW-4D	4/15/1998	110	FALSE
MW-4D	11/9/1998	38 I	FALSE
MW-4D	4/26/1999	140	FALSE
MW-4D	11/1/1999	80 I	FALSE
MW-4D	4/4/2000	ND<12.5 U	FALSE
MW-4D	11/6/2000	18	FALSE
MW-4D	4/30/2001	21	FALSE
MW-4D	10/22/2001	92	FALSE
MW-4D	4/29/2002	20	FALSE
MW-4D	10/28/2002	ND<5 U	FALSE
MW-4D	3/24/2003	ND<5 U	FALSE
MW-4D	9/29/2003	12	FALSE
MW-4D	3/29/2004	14	FALSE
MW-4D	9/27/2004	ND<5 U	FALSE
MW-4D	4/11/2005	18	FALSE
MW-4D	9/26/2005	28	FALSE
MW-4D	3/27/2007	5.3 J	FALSE
MW-4D	9/28/2007	37.9	FALSE
MW-4D	3/26/2008	ND<0.2 U	FALSE
MW-4D	9/29/2008	ND<5 U	FALSE
MW-4D	3/26/2009	10.4	FALSE
MW-4D	10/2/2009	11.9	FALSE
MW-8D	4/17/1998	60 I	FALSE
MW-8D	**11/10/1998**	**248**	**TRUE**
MW-8D	4/26/1999	102 I	FALSE
MW-8D	11/1/1999	30 I	FALSE
MW-8D	4/3/2000	42 I	FALSE
MW-8D	11/7/2000	19	FALSE
MW-8D	4/30/2001	ND<5 U	FALSE
MW-8D	10/22/2001	69	FALSE
MW-8D	4/29/2002	34	FALSE
MW-8D	10/28/2002	32	FALSE
MW-8D	3/25/2003	30	FALSE
MW-8D	9/30/2003	ND<5 U	FALSE
MW-8D	3/30/2004	ND<5 U	FALSE
MW-8D	9/27/2004	ND<5 U	FALSE
MW-8D	4/12/2005	11	FALSE
MW-8D	9/27/2005	18	FALSE
MW-8D	3/27/2007	27	FALSE
MW-8D	9/28/2007	32.3	FALSE
MW-8D	3/27/2008	ND<0.2 U	FALSE
MW-8D	9/29/2008	ND<5 U	FALSE
MW-8D	3/25/2009	ND<5 U	FALSE
MW-8D	10/5/2009	ND<5 U	FALSE
MW-9D	4/30/1998	110	FALSE
MW-9D	11/9/1998	75 I	FALSE
MW-9D	4/27/1999	35 I	FALSE
MW-9D	11/1/1999	80 I	FALSE
MW-9D	4/3/2000	ND<12.5 U	FALSE

MW-9D	11/7/2000	10	FALSE
MW-9D	4/30/2001	11	FALSE
MW-9D	10/22/2001	25	FALSE
MW-9D	4/29/2002	ND<5 U	FALSE
MW-9D	10/28/2002	ND<5 U	FALSE
MW-9D	3/25/2003	15	FALSE
MW-9D	9/30/2003	17	FALSE
MW-9D	3/29/2004	60	FALSE
MW-9D	9/27/2004	ND<5 U	FALSE
MW-9D	4/11/2005	20	FALSE
MW-9D	9/27/2005	ND<5 U	FALSE
MW-11D	4/29/2002	33	FALSE
MW-11D	10/29/2002	ND<5 U	FALSE
MW-11D	3/25/2003	16	FALSE
MW-11D	9/29/2003	ND<5 U	FALSE
MW-11D	3/30/2004	ND<5 U	FALSE
MW-11D	9/27/2004	24	FALSE
MW-11D	4/12/2005	ND<5 U	FALSE
MW-11D	9/26/2005	12	FALSE
MW-11D	3/27/2007	21	FALSE
MW-11D	9/27/2007	13.2	FALSE
MW-11D	3/27/2008	28	FALSE
MW-11D	9/30/2008	ND<5 U	FALSE
MW-11D	3/26/2009	32.8	FALSE
MW-11D	10/5/2009	ND<5 U	FALSE
MW-10D	**4/30/2002**	**210**	**TRUE**
MW-10D	10/29/2002	30	FALSE
MW-10D	3/25/2003	40	FALSE
MW-10D	9/30/2003	16	FALSE
MW-10D	3/30/2004	ND<5 U	FALSE
MW-10D	9/27/2004	ND<5 U	FALSE
MW-10D	4/12/2005	20	FALSE
MW-10D	9/27/2005	56	FALSE
MW-10D	3/27/2007	6.9 J	FALSE
MW-10D	9/27/2007	21.9	FALSE
MW-10D	3/26/2008	11.2	FALSE
MW-10D	9/26/2008	ND<5 U	FALSE
MW-10D	3/26/2009	ND<5 U	FALSE
MW-10D	10/1/2009	ND<5 U	FALSE
MW-12D	10/28/2002	ND<5 U	FALSE
MW-12D	**3/25/2003**	**320**	**TRUE**
MW-12D	9/30/2003	20	FALSE
MW-12D	3/30/2004	ND<5 U	FALSE
MW-12D	9/27/2004	95	FALSE
MW-12D	4/11/2005	79	FALSE
MW-12D	9/27/2005	12	FALSE
MW-12D	3/27/2007	7.8 J	FALSE
MW-12D	9/28/2007	64.5	FALSE
MW-12D	3/27/2008	10.1	FALSE
MW-12D	9/30/2008	ND<5 U	FALSE
MW-12D	3/26/2009	ND<5 U	FALSE

MW-12D	10/2/2009	12.2	FALSE
MW-13D	9/27/2005	39	FALSE
MW-13D	3/27/2007	26	FALSE
MW-13D	9/28/2007	40.6	FALSE
MW-13D	3/27/2008	16.4	FALSE
MW-13D	9/29/2008	ND<5 U	FALSE
MW-13D	3/26/2009	ND<5 U	FALSE
MW-13D	10/2/2009	ND<5 U	FALSE
MW-14D	3/27/2007	6.7 J	FALSE
MW-14D	9/28/2007	23.2	FALSE
MW-14D	3/27/2008	ND<0.2 U	FALSE
MW-14D	9/30/2008	ND<5 U	FALSE
MW-14D	3/26/2009	ND<5 U	FALSE
MW-14D	10/2/2009	11.1	FALSE

Two-Sample Test of Proportions

Parameter: Zinc

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Background measurements = 18
Compliance measurements = 158
Comparison Level = 1050

0 background measurements exceed 1050
0 compliance measurements exceed 1050

p background = 0 = 0 / 18
p compliance = 0 = 0 / 158
p total = 0 = 0 / 176

nPs = 0 < 5.0
mPb = 0 < 5.0
n(1-Ps) = 158
m(1-Pb = 18

Divide by zero error.

Non-Parametric Tolerance Interval

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Total Percent Non-Detects = 2.02429%
Background measurements (n) = 22
Maximum Background Concentration = 709
Minimum Coverage = 87.3%
Average Coverage = 95.6522%

Location	Date	Value	Significant
MW-5	4/13/1998	484	FALSE
MW-5	11/11/1998	331	FALSE
MW-5	4/26/1999	42	FALSE
MW-5	11/2/1999	52	FALSE
MW-5	4/3/2000	63	FALSE
MW-5	**11/6/2000**	**1500**	**TRUE**
MW-5	4/30/2001	76	FALSE
MW-5	10/22/2001	46	FALSE
MW-5	4/29/2002	280	FALSE
MW-5	10/28/2002	12	FALSE
MW-5	3/24/2003	52	FALSE
MW-5	9/29/2003	67	FALSE
MW-5	3/30/2004	120	FALSE
MW-5	9/27/2004	74	FALSE
MW-5	4/12/2005	69	FALSE
MW-5	9/26/2005	78	FALSE
MW-5	3/27/2007	98 J	FALSE
MW-5	9/27/2007	89.9	FALSE
MW-5	3/26/2008	103	FALSE
MW-5	9/30/2008	96.9	FALSE
MW-5	3/26/2009	106	FALSE
MW-5	10/2/2009	152	FALSE
MW-6	4/13/1998	209	FALSE
MW-6	11/11/1998	265	FALSE
MW-6	4/26/1999	131	FALSE
MW-6	11/2/1999	120	FALSE
MW-6	4/3/2000	105	FALSE
MW-6	**11/6/2000**	**1400**	**TRUE**
MW-6	4/30/2001	400	FALSE
MW-6	**10/22/2001**	**1900**	**TRUE**
MW-6	**4/29/2002**	**1000**	**TRUE**
MW-6	10/28/2002	ND<2.5 U	FALSE
MW-6	3/25/2003	59	FALSE
MW-6	**9/29/2003**	**1100**	**TRUE**
MW-6	3/30/2004	54	FALSE
MW-6	9/27/2004	180	FALSE
MW-6	**4/12/2005**	**1400**	**TRUE**
MW-6	9/26/2005	180	FALSE
MW-6	3/27/2007	51 J	FALSE
MW-6	9/27/2007	92.5	FALSE
MW-6	3/26/2008	165	FALSE
MW-6	9/30/2008	64.9	FALSE

MW-6	3/26/2009	71	FALSE
MW-6	10/2/2009	61.4	FALSE

MW-7	4/13/1998	271	FALSE
MW-7	11/11/1998	337	FALSE
MW-7	**4/26/1999**	**730**	**TRUE**
MW-7	11/2/1999	70	FALSE
MW-7	4/3/2000	63	FALSE
MW-7	11/6/2000	320	FALSE
MW-7	4/30/2001	240	FALSE
MW-7	**10/22/2001**	**1500**	**TRUE**
MW-7	**4/29/2002**	**770**	**TRUE**
MW-7	10/28/2002	270	FALSE
MW-7	3/25/2003	120	FALSE
MW-7	9/29/2003	500	FALSE
MW-7	3/30/2004	160	FALSE
MW-7	9/27/2004	220	FALSE
MW-7	**4/12/2005**	**1500**	**TRUE**
MW-7	9/26/2005	300	FALSE
MW-7	3/27/2007	200	FALSE
MW-7	9/27/2007	125	FALSE
MW-7	3/26/2008	98.3	FALSE
MW-7	9/26/2008	94.8	FALSE
MW-7	3/26/2009	90.2	FALSE
MW-7	10/1/2009	155	FALSE

MW-3	**4/14/1998**	**1100**	**TRUE**
MW-3	**11/9/1998**	**1180**	**TRUE**
MW-3	4/27/1999	335	FALSE
MW-3	11/1/1999	230	FALSE
MW-3	4/3/2000	105	FALSE
MW-3	11/6/2000	410	FALSE
MW-3	4/30/2001	340	FALSE
MW-3	10/22/2001	340	FALSE
MW-3	4/29/2002	410	FALSE
MW-3	10/28/2002	400	FALSE
MW-3	3/24/2003	260	FALSE
MW-3	9/29/2003	380	FALSE
MW-3	3/30/2004	150	FALSE
MW-3	9/27/2004	220	FALSE
MW-3	**4/11/2005**	**1300**	**TRUE**
MW-3	**9/26/2005**	**1500**	**TRUE**
MW-3	3/27/2007	180	FALSE
MW-3	9/28/2007	207	FALSE
MW-3	3/26/2008	302	FALSE
MW-3	9/30/2008	182	FALSE
MW-3	3/26/2009	355	FALSE
MW-3	10/1/2009	204	FALSE

MW-2	4/15/1998	527	FALSE
MW-2	11/11/1998	441	FALSE
MW-2	4/27/1999	91	FALSE
MW-2	11/2/1999	240	FALSE
MW-2	4/4/2000	213	FALSE

MW-2	11/6/2000	210	FALSE
MW-2	4/30/2001	140	FALSE
MW-2	10/22/2001	680	FALSE
MW-2	**4/29/2002**	**1100**	**TRUE**
MW-2	10/28/2002	ND<2.5 U	FALSE
MW-2	3/24/2003	120	FALSE
MW-2	9/29/2003	410	FALSE
MW-2	3/29/2004	280	FALSE
MW-2	**9/27/2004**	**1100**	**TRUE**
MW-2	**4/11/2005**	**1000**	**TRUE**
MW-2	9/26/2005	610	FALSE
MW-2	3/27/2007	72 J	FALSE
MW-2	**9/28/2007**	**1080**	**TRUE**
MW-2	3/26/2008	61	FALSE
MW-2	9/29/2008	175	FALSE
MW-2	3/26/2009	518	FALSE
MW-2	**10/1/2009**	**955**	**TRUE**

MW-4	**4/15/1998**	**911**	**TRUE**
MW-4	11/9/1998	302	FALSE
MW-4	4/26/1999	110	FALSE
MW-4	11/1/1999	140	FALSE
MW-4	4/4/2000	208	FALSE
MW-4	11/6/2000	100	FALSE
MW-4	4/30/2001	96	FALSE
MW-4	10/22/2001	200	FALSE
MW-4	4/29/2002	140	FALSE
MW-4	10/28/2002	120	FALSE
MW-4	3/24/2003	110	FALSE
MW-4	9/30/2003	87	FALSE
MW-4	3/29/2004	200	FALSE
MW-4	9/27/2004	86	FALSE
MW-4	4/11/2005	470	FALSE
MW-4	9/26/2005	160	FALSE
MW-4	3/27/2007	72 J	FALSE
MW-4	9/28/2007	87.8	FALSE
MW-4	3/26/2008	74.9	FALSE
MW-4	9/29/2008	85.4	FALSE
MW-4	3/26/2009	61.1	FALSE
MW-4	10/2/2009	69.8	FALSE

MW-8	4/17/1998	115	FALSE
MW-8	11/10/1998	274	FALSE
MW-8	4/26/1999	90	FALSE
MW-8	11/1/1999	60	FALSE
MW-8	4/3/2000	48	FALSE
MW-8	11/7/2000	150	FALSE
MW-8	4/30/2001	210	FALSE
MW-8	10/22/2001	480	FALSE
MW-8	1/14/2002	100	FALSE
MW-8	4/29/2002	260	FALSE
MW-8	10/28/2002	59	FALSE
MW-8	3/25/2003	62	FALSE
MW-8	9/30/2003	70	FALSE
MW-8	3/30/2004	87	FALSE

MW-8	9/27/2004	100	FALSE
MW-8	4/12/2005	130	FALSE
MW-8	9/27/2005	52	FALSE
MW-8	3/27/2007	76 J	FALSE
MW-8	9/28/2007	83.7	FALSE
MW-8	3/27/2008	98.9	FALSE
MW-8	9/29/2008	75	FALSE
MW-8	3/25/2009	70.8	FALSE
MW-8	10/5/2009	101	FALSE
MW-9	4/30/1998	358	FALSE
MW-9	11/9/1998	186	FALSE
MW-9	4/27/1999	160	FALSE
MW-9	11/1/1999	200	FALSE
MW-9	4/3/2000	176	FALSE
MW-9	11/7/2000	180	FALSE
MW-9	4/30/2001	170	FALSE
MW-9	10/22/2001	190	FALSE
MW-9	4/29/2002	170	FALSE
MW-9	10/28/2002	ND<2.5 U	FALSE
MW-9	3/25/2003	160	FALSE
MW-9	9/30/2003	190	FALSE
MW-9	4/26/2004	250	FALSE
MW-9	9/27/2004	240	FALSE
MW-9	4/11/2005	220	FALSE
MW-9	9/27/2005	200	FALSE
MW-11	4/29/2002	270	FALSE
MW-11	10/29/2002	ND<2.5 U	FALSE
MW-11	3/25/2003	61	FALSE
MW-11	9/29/2003	60	FALSE
MW-11	3/30/2004	100	FALSE
MW-11	9/27/2004	49	FALSE
MW-11	4/12/2005	61	FALSE
MW-11	9/26/2005	77	FALSE
MW-11	3/27/2007	60 J	FALSE
MW-11	9/27/2007	179	FALSE
MW-11	3/27/2008	66.6	FALSE
MW-11	9/30/2008	48.6	FALSE
MW-11	3/26/2009	53.5	FALSE
MW-11	10/5/2009	58.4	FALSE
MW-10	4/30/2002	140	FALSE
MW-10	10/29/2002	550	FALSE
MW-10	3/25/2003	320	FALSE
MW-10	9/30/2003	240	FALSE
MW-10	3/30/2004	150	FALSE
MW-10	9/27/2004	340	FALSE
MW-10	4/12/2005	410	FALSE
MW-10	9/27/2005	200	FALSE
MW-10	3/27/2007	100	FALSE
MW-10	9/27/2007	132	FALSE
MW-10	3/26/2008	116	FALSE
MW-10	9/26/2008	152	FALSE

MW-10	3/26/2009	90.6	FALSE
MW-10	10/1/2009	136	FALSE
MW-12	10/28/2002	ND<2.5 U	FALSE
MW-12	3/25/2003	220	FALSE
MW-12	9/30/2003	86	FALSE
MW-12	3/30/2004	140	FALSE
MW-12	9/27/2004	280	FALSE
MW-12	4/11/2005	220	FALSE
MW-12	9/27/2005	260	FALSE
MW-12	3/27/2007	90 J	FALSE
MW-12	9/28/2007	460	FALSE
MW-12	3/27/2008	98.1	FALSE
MW-12	9/30/2008	155	FALSE
MW-12	3/26/2009	149	FALSE
MW-12	10/2/2009	167	FALSE
MW-13	9/27/2005	140	FALSE
MW-13	3/27/2007	120	FALSE
MW-13	9/28/2007	217	FALSE
MW-13	3/27/2008	160	FALSE
MW-13	9/29/2008	191	FALSE
MW-13	3/26/2009	181	FALSE
MW-13	10/2/2009	165	FALSE
MW-14	3/27/2007	68 J	FALSE
MW-14	9/28/2007	217	FALSE
MW-14	3/27/2008	143	FALSE
MW-14	9/30/2008	68.3	FALSE
MW-14	3/26/2009	50.8	FALSE
MW-14	10/2/2009	61.4	FALSE

Two-Sample Test of Proportions

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Background measurements = 22
Compliance measurements = 225
Comparison Level = 2000

0 background measurements exceed 2000
0 compliance measurements exceed 2000

p background = 0 = 0 / 22
p compliance = 0 = 0 / 225
p total = 0 = 0 / 247

nPs = 0 < 5.0
mPb = 0 < 5.0
n(1-Ps) = 225
m(1-Pb = 22

Divide by zero error.

Non-Parametric Tolerance Interval

Parameter: Beryllium

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Total Percent Non-Detects = 80.9717%
Background measurements (n) = 22
Maximum Background Concentration = 2.1
Minimum Coverage = 87.3%
Average Coverage = 95.6522%

Location	Date	Value	Significant
MW-5	4/13/1998	2 I	FALSE
MW-5	11/11/1998	1 I	FALSE
MW-5	4/26/1999	ND<0.5 U	FALSE
MW-5	11/2/1999	ND<0.5 U	FALSE
MW-5	4/3/2000	ND<0.5 U	FALSE
MW-5	**11/6/2000**	**4.7**	**TRUE**
MW-5	4/30/2001	ND<1 U	FALSE
MW-5	10/22/2001	ND<1 U	FALSE
MW-5	**4/29/2002**	**2.9**	**TRUE**
MW-5	10/28/2002	ND<1 U	FALSE
MW-5	3/24/2003	ND<1 U	FALSE
MW-5	9/29/2003	ND<0.5 U	FALSE
MW-5	3/30/2004	ND<0.5 U	FALSE
MW-5	9/27/2004	ND<0.5 U	FALSE
MW-5	4/12/2005	ND<0.5 U	FALSE
MW-5	9/26/2005	ND<0.5 U	FALSE
MW-5	3/27/2007	ND<0.5 U	FALSE
MW-5	9/27/2007	ND<0.5 U	FALSE
MW-5	3/26/2008	ND<0.05 U	FALSE
MW-5	9/30/2008	ND<0.5 U	FALSE
MW-5	3/26/2009	ND<0.5 U	FALSE
MW-5	10/2/2009	ND<0.5 U	FALSE
MW-6	4/13/1998	ND<0.5 U	FALSE
MW-6	11/11/1998	1 I	FALSE
MW-6	4/26/1999	ND<0.5 U	FALSE
MW-6	11/2/1999	ND<0.5 U	FALSE
MW-6	4/3/2000	ND<0.5 U	FALSE
MW-6	**11/6/2000**	**7**	**TRUE**
MW-6	**4/30/2001**	**3.3**	**TRUE**
MW-6	**10/22/2001**	**12**	**TRUE**
MW-6	**4/29/2002**	**6.9**	**TRUE**
MW-6	10/28/2002	ND<1 U	FALSE
MW-6	3/25/2003	ND<1 U	FALSE
MW-6	**9/29/2003**	**4.3**	**TRUE**
MW-6	3/30/2004	ND<0.5 U	FALSE
MW-6	9/27/2004	ND<0.5 U	FALSE
MW-6	4/12/2005	ND<0.5 U	FALSE
MW-6	9/26/2005	1.3	FALSE
MW-6	3/27/2007	ND<0.5 U	FALSE
MW-6	9/27/2007	0.17 J	FALSE
MW-6	3/26/2008	ND<0.05 U	FALSE
MW-6	9/30/2008	ND<0.5 U	FALSE

MW-6	3/26/2009	ND<0.5 U	FALSE
MW-6	10/2/2009	ND<0.5 U	FALSE

MW-7	4/13/1998	ND<0.5 U	FALSE
MW-7	11/11/1998	ND<0.5 U	FALSE
MW-7	4/26/1999	ND<0.5 U	FALSE
MW-7	11/2/1999	ND<0.5 U	FALSE
MW-7	4/3/2000	ND<0.5 U	FALSE
MW-7	**11/6/2000**	**2.6**	**TRUE**
MW-7	4/30/2001	ND<1 U	FALSE
MW-7	**10/22/2001**	**4.8**	**TRUE**
MW-7	**4/29/2002**	**3.3**	**TRUE**
MW-7	10/28/2002	ND<1 U	FALSE
MW-7	3/25/2003	ND<1 U	FALSE
MW-7	9/29/2003	ND<0.5 U	FALSE
MW-7	3/30/2004	ND<0.5 U	FALSE
MW-7	9/27/2004	ND<0.5 U	FALSE
MW-7	4/12/2005	ND<0.5 U	FALSE
MW-7	9/26/2005	ND<0.5 U	FALSE
MW-7	3/27/2007	ND<0.5 U	FALSE
MW-7	9/27/2007	ND<0.5 U	FALSE
MW-7	3/26/2008	ND<0.05 U	FALSE
MW-7	9/26/2008	ND<0.5 U	FALSE
MW-7	3/26/2009	ND<0.5 U	FALSE
MW-7	10/1/2009	ND<0.5 U	FALSE

MW-3	**4/14/1998**	**6**	**TRUE**
MW-3	**11/9/1998**	**5**	**TRUE**
MW-3	4/27/1999	ND<0.5 U	FALSE
MW-3	11/1/1999	ND<0.5 U	FALSE
MW-3	4/3/2000	ND<0.5 U	FALSE
MW-3	**11/6/2000**	**2.4**	**TRUE**
MW-3	4/30/2001	ND<1 U	FALSE
MW-3	10/22/2001	ND<1 U	FALSE
MW-3	**4/29/2002**	**2.4**	**TRUE**
MW-3	10/28/2002	ND<1 U	FALSE
MW-3	3/24/2003	ND<1 U	FALSE
MW-3	9/29/2003	ND<0.5 U	FALSE
MW-3	3/30/2004	ND<0.5 U	FALSE
MW-3	9/27/2004	ND<0.5 U	FALSE
MW-3	**4/11/2005**	**6**	**TRUE**
MW-3	**9/26/2005**	**2.5**	**TRUE**
MW-3	3/27/2007	0.21 J	FALSE
MW-3	9/28/2007	ND<0.5 U	FALSE
MW-3	3/26/2008	ND<0.05 U	FALSE
MW-3	9/30/2008	ND<0.5 U	FALSE
MW-3	3/26/2009	1.1	FALSE
MW-3	10/1/2009	ND<0.5 U	FALSE

MW-2	4/15/1998	2 I	FALSE
MW-2	11/11/1998	1 I	FALSE
MW-2	4/27/1999	ND<0.5 U	FALSE
MW-2	11/2/1999	ND<0.5 U	FALSE
MW-2	4/4/2000	ND<0.5 U	FALSE

MW-2	**11/6/2000**	**2.8**	**TRUE**
MW-2	4/30/2001	ND<1 U	FALSE
MW-2	**10/22/2001**	**3.2**	**TRUE**
MW-2	**4/29/2002**	**5.7**	**TRUE**
MW-2	10/28/2002	ND<1 U	FALSE
MW-2	3/24/2003	ND<1 U	FALSE
MW-2	9/29/2003	ND<0.5 U	FALSE
MW-2	3/29/2004	ND<0.5 U	FALSE
MW-2	**9/27/2004**	**2.5**	**TRUE**
MW-2	**4/11/2005**	**4.5**	**TRUE**
MW-2	**9/26/2005**	**3**	**TRUE**
MW-2	3/27/2007	ND<0.5 U	FALSE
MW-2	9/28/2007	ND<0.5 U	FALSE
MW-2	3/26/2008	ND<0.05 U	FALSE
MW-2	9/29/2008	ND<0.5 U	FALSE
MW-2	3/26/2009	1.4	FALSE
MW-2	**10/1/2009**	**3.3**	**TRUE**

MW-4	**4/15/1998**	**4**	**TRUE**
MW-4	11/9/1998	ND<0.5 U	FALSE
MW-4	4/26/1999	ND<0.5 U	FALSE
MW-4	11/1/1999	ND<0.5 U	FALSE
MW-4	4/4/2000	ND<0.5 U	FALSE
MW-4	11/6/2000	2.1	FALSE
MW-4	4/30/2001	ND<1 U	FALSE
MW-4	10/22/2001	ND<1 U	FALSE
MW-4	**4/29/2002**	**2.5**	**TRUE**
MW-4	10/28/2002	ND<1 U	FALSE
MW-4	3/24/2003	ND<1 U	FALSE
MW-4	9/30/2003	ND<0.5 U	FALSE
MW-4	3/29/2004	ND<0.5 U	FALSE
MW-4	9/27/2004	ND<0.5 U	FALSE
MW-4	**4/11/2005**	**2.3**	**TRUE**
MW-4	9/26/2005	1	FALSE
MW-4	3/27/2007	ND<0.5 U	FALSE
MW-4	9/28/2007	ND<0.5 U	FALSE
MW-4	3/26/2008	ND<0.05 U	FALSE
MW-4	9/29/2008	ND<0.5 U	FALSE
MW-4	3/26/2009	ND<0.5 U	FALSE
MW-4	10/2/2009	ND<0.5 U	FALSE

MW-8	4/17/1998	ND<0.5 U	FALSE
MW-8	11/10/1998	1 I	FALSE
MW-8	4/26/1999	ND<0.5 U	FALSE
MW-8	11/1/1999	ND<0.5 U	FALSE
MW-8	4/3/2000	ND<0.5 U	FALSE
MW-8	11/7/2000	2	FALSE
MW-8	4/30/2001	ND<1 U	FALSE
MW-8	**10/22/2001**	**2.9**	**TRUE**
MW-8	1/14/2002	ND<1 U	FALSE
MW-8	**4/29/2002**	**3**	**TRUE**
MW-8	10/28/2002	ND<1 U	FALSE
MW-8	3/25/2003	ND<1 U	FALSE
MW-8	9/30/2003	ND<0.5 U	FALSE
MW-8	3/30/2004	ND<0.5 U	FALSE

MW-8	9/27/2004	ND<0.5 U	FALSE
MW-8	4/12/2005	ND<0.5 U	FALSE
MW-8	9/27/2005	ND<0.5 U	FALSE
MW-8	3/27/2007	ND<0.5 U	FALSE
MW-8	9/28/2007	ND<0.5 U	FALSE
MW-8	3/27/2008	ND<0.05 U	FALSE
MW-8	9/29/2008	ND<0.5 U	FALSE
MW-8	3/25/2009	ND<0.5 U	FALSE
MW-8	10/5/2009	ND<0.5 U	FALSE

MW-9	4/30/1998	2 I	FALSE
MW-9	11/9/1998	ND<0.5 U	FALSE
MW-9	4/27/1999	ND<0.5 U	FALSE
MW-9	11/1/1999	ND<0.5 U	FALSE
MW-9	4/3/2000	ND<0.5 U	FALSE
MW-9	11/7/2000	ND<1 U	FALSE
MW-9	4/30/2001	ND<1 U	FALSE
MW-9	10/22/2001	ND<1 U	FALSE
MW-9	4/29/2002	ND<1 U	FALSE
MW-9	10/28/2002	ND<1 U	FALSE
MW-9	3/25/2003	ND<1 U	FALSE
MW-9	9/30/2003	ND<0.5 U	FALSE
MW-9	4/26/2004	ND<0.5 U	FALSE
MW-9	9/27/2004	ND<0.5 U	FALSE
MW-9	4/11/2005	ND<0.5 U	FALSE
MW-9	9/27/2005	ND<0.5 U	FALSE

MW-11	**4/29/2002**	**3.4**	**TRUE**
MW-11	10/29/2002	ND<1 U	FALSE
MW-11	3/25/2003	ND<1 U	FALSE
MW-11	9/29/2003	ND<0.5 U	FALSE
MW-11	3/30/2004	ND<0.5 U	FALSE
MW-11	9/27/2004	ND<0.5 U	FALSE
MW-11	4/12/2005	ND<0.5 U	FALSE
MW-11	9/26/2005	ND<0.5 U	FALSE
MW-11	3/27/2007	ND<0.5 U	FALSE
MW-11	9/27/2007	ND<0.5 U	FALSE
MW-11	3/27/2008	ND<0.05 U	FALSE
MW-11	9/30/2008	ND<0.5 U	FALSE
MW-11	3/26/2009	ND<0.5 U	FALSE
MW-11	10/5/2009	ND<0.5 U	FALSE

MW-10	4/30/2002	2	FALSE
MW-10	10/29/2002	ND<1 U	FALSE
MW-10	3/25/2003	ND<1 U	FALSE
MW-10	9/30/2003	ND<0.5 U	FALSE
MW-10	3/30/2004	ND<0.5 U	FALSE
MW-10	9/27/2004	ND<0.5 U	FALSE
MW-10	4/12/2005	ND<0.5 U	FALSE
MW-10	9/27/2005	ND<0.5 U	FALSE
MW-10	3/27/2007	ND<0.5 U	FALSE
MW-10	9/27/2007	ND<0.5 U	FALSE
MW-10	3/26/2008	ND<0.05 U	FALSE
MW-10	9/26/2008	ND<0.5 U	FALSE

MW-10	3/26/2009	ND<0.5 U	FALSE
MW-10	10/1/2009	ND<0.5 U	FALSE
MW-12	10/28/2002	ND<1 U	FALSE
MW-12	3/25/2003	ND<1 U	FALSE
MW-12	9/30/2003	ND<0.5 U	FALSE
MW-12	3/30/2004	ND<0.5 U	FALSE
MW-12	9/27/2004	ND<0.5 U	FALSE
MW-12	4/11/2005	ND<0.5 U	FALSE
MW-12	9/27/2005	ND<0.5 U	FALSE
MW-12	3/27/2007	ND<0.5 U	FALSE
MW-12	9/28/2007	ND<0.5 U	FALSE
MW-12	3/27/2008	ND<0.05 U	FALSE
MW-12	9/30/2008	ND<0.5 U	FALSE
MW-12	3/26/2009	ND<0.5 U	FALSE
MW-12	10/2/2009	ND<0.5 U	FALSE
MW-13	9/27/2005	ND<0.5 U	FALSE
MW-13	3/27/2007	ND<0.5 U	FALSE
MW-13	9/28/2007	ND<0.5 U	FALSE
MW-13	3/27/2008	ND<0.05 U	FALSE
MW-13	9/29/2008	ND<0.5 U	FALSE
MW-13	3/26/2009	ND<0.5 U	FALSE
MW-13	10/2/2009	ND<0.5 U	FALSE
MW-14	3/27/2007	ND<0.5 U	FALSE
MW-14	9/28/2007	ND<0.5 U	FALSE
MW-14	3/27/2008	ND<0.05 U	FALSE
MW-14	9/30/2008	ND<0.5 U	FALSE
MW-14	3/26/2009	ND<0.5 U	FALSE
MW-14	10/2/2009	ND<0.5 U	FALSE

Two-Sample Test of Proportions

Parameter: Beryllium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Background measurements = 22
Compliance measurements = 225
Comparison Level = 4

0 background measurements exceed 4
11 compliance measurements exceed 4

p background = 0 = 0 / 22
p compliance = 0.0488889 = 11 / 225
p total = 0.0445344 = 11 / 247

nPs = 11
mPb = 0 < 5.0
n(1-Ps) = 214
m(1-Pb = 22

Zp = 1.06098 = 0.0488889 / 0.0460788
Z critical = 1.64485 at 95% confidence level

1.06098 < 1.64485
No Statistical Significance at 95% Confidence Level
When Compared to Compliance Limit = 4

Non-Parametric Tolerance Interval

Parameter: Cadmium

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Total Percent Non-Detects = 86.6397%
Background measurements (n) = 22
Maximum Background Concentration = 3.1
Minimum Coverage = 87.3%
Average Coverage = 95.6522%

Location	Date	Value	Significant
MW-5	4/13/1998	ND<0.5 U	FALSE
MW-5	11/11/1998	ND<0.5 U	FALSE
MW-5	4/26/1999	ND<0.5 U	FALSE
MW-5	11/2/1999	ND<0.5 U	FALSE
MW-5	4/3/2000	ND<0.5 U	FALSE
MW-5	11/6/2000	ND<0.5 U	FALSE
MW-5	4/30/2001	ND<0.5 U	FALSE
MW-5	10/22/2001	ND<0.5 U	FALSE
MW-5	**4/29/2002**	**4.3**	**TRUE**
MW-5	10/28/2002	ND<0.5 U	FALSE
MW-5	3/24/2003	ND<0.5 U	FALSE
MW-5	9/29/2003	ND<0.5 U	FALSE
MW-5	3/30/2004	ND<0.5 U	FALSE
MW-5	9/27/2004	ND<0.5 U	FALSE
MW-5	4/12/2005	ND<0.5 U	FALSE
MW-5	9/26/2005	ND<0.5 U	FALSE
MW-5	3/27/2007	ND<0.5 U	FALSE
MW-5	9/27/2007	ND<0.5 U	FALSE
MW-5	3/26/2008	ND<0.25 U	FALSE
MW-5	9/30/2008	ND<0.5 U	FALSE
MW-5	3/26/2009	ND<0.5 U	FALSE
MW-5	10/2/2009	ND<0.5 U	FALSE
MW-6	4/13/1998	ND<0.5 U	FALSE
MW-6	11/11/1998	ND<0.5 U	FALSE
MW-6	4/26/1999	ND<0.5 U	FALSE
MW-6	11/2/1999	ND<0.5 U	FALSE
MW-6	4/3/2000	ND<0.5 U	FALSE
MW-6	11/6/2000	ND<0.5 U	FALSE
MW-6	4/30/2001	1.5	FALSE
MW-6	**10/22/2001**	**28**	**TRUE**
MW-6	**4/29/2002**	**16**	**TRUE**
MW-6	10/28/2002	ND<0.5 U	FALSE
MW-6	3/25/2003	ND<0.5 U	FALSE
MW-6	9/29/2003	ND<0.5 U	FALSE
MW-6	3/30/2004	ND<0.5 U	FALSE
MW-6	9/27/2004	ND<0.5 U	FALSE
MW-6	**4/12/2005**	**5.7**	**TRUE**
MW-6	9/26/2005	ND<0.5 U	FALSE
MW-6	3/27/2007	ND<0.5 U	FALSE
MW-6	9/27/2007	ND<0.5 U	FALSE
MW-6	3/26/2008	ND<0.25 U	FALSE
MW-6	9/30/2008	ND<0.5 U	FALSE

MW-6	3/26/2009	ND<0.5 U	FALSE
MW-6	10/2/2009	ND<0.5 U	FALSE

MW-7	4/13/1998	ND<0.5 U	FALSE
MW-7	11/11/1998	ND<0.5 U	FALSE
MW-7	4/26/1999	ND<0.5 U	FALSE
MW-7	11/2/1999	ND<0.5 U	FALSE
MW-7	4/3/2000	ND<0.5 U	FALSE
MW-7	11/6/2000	1.4	FALSE
MW-7	4/30/2001	1.3	FALSE
MW-7	**10/22/2001**	**26**	**TRUE**
MW-7	**4/29/2002**	**12**	**TRUE**
MW-7	10/28/2002	1.3	FALSE
MW-7	3/25/2003	ND<0.5 U	FALSE
MW-7	9/29/2003	ND<0.5 U	FALSE
MW-7	3/30/2004	ND<0.5 U	FALSE
MW-7	9/27/2004	ND<0.5 U	FALSE
MW-7	**4/12/2005**	**5.1**	**TRUE**
MW-7	9/26/2005	ND<0.5 U	FALSE
MW-7	3/27/2007	ND<0.5 U	FALSE
MW-7	9/27/2007	ND<0.5 U	FALSE
MW-7	3/26/2008	ND<0.25 U	FALSE
MW-7	9/26/2008	ND<0.5 U	FALSE
MW-7	3/26/2009	ND<0.5 U	FALSE
MW-7	10/1/2009	ND<0.5 U	FALSE

MW-3	4/14/1998	3 I	FALSE
MW-3	11/9/1998	ND<0.5 U	FALSE
MW-3	4/27/1999	ND<0.5 U	FALSE
MW-3	11/1/1999	ND<0.5 U	FALSE
MW-3	4/3/2000	ND<0.5 U	FALSE
MW-3	11/6/2000	ND<0.5 U	FALSE
MW-3	4/30/2001	ND<0.5 U	FALSE
MW-3	10/22/2001	2.9	FALSE
MW-3	**4/29/2002**	**5.2**	**TRUE**
MW-3	10/28/2002	ND<0.5 U	FALSE
MW-3	3/24/2003	1.5	FALSE
MW-3	9/29/2003	ND<0.5 U	FALSE
MW-3	3/30/2004	ND<0.5 U	FALSE
MW-3	9/27/2004	ND<0.5 U	FALSE
MW-3	4/11/2005	ND<0.5 U	FALSE
MW-3	9/26/2005	ND<0.5 U	FALSE
MW-3	3/27/2007	ND<0.5 U	FALSE
MW-3	9/28/2007	ND<0.5 U	FALSE
MW-3	3/26/2008	ND<0.25 U	FALSE
MW-3	9/30/2008	ND<0.5 U	FALSE
MW-3	3/26/2009	ND<0.5 U	FALSE
MW-3	10/1/2009	ND<0.5 U	FALSE

MW-2	4/15/1998	2 I	FALSE
MW-2	11/11/1998	ND<0.5 U	FALSE
MW-2	4/27/1999	ND<0.5 U	FALSE
MW-2	11/2/1999	ND<0.5 U	FALSE
MW-2	4/4/2000	ND<0.5 U	FALSE

MW-2	11/6/2000	ND<0.5 U	FALSE
MW-2	4/30/2001	ND<0.5 U	FALSE
MW-2	**10/22/2001**	**6.3**	**TRUE**
MW-2	**4/29/2002**	**10**	**TRUE**
MW-2	10/28/2002	ND<0.5 U	FALSE
MW-2	3/24/2003	ND<0.5 U	FALSE
MW-2	9/29/2003	ND<0.5 U	FALSE
MW-2	3/29/2004	ND<0.5 U	FALSE
MW-2	9/27/2004	ND<0.5 U	FALSE
MW-2	4/11/2005	ND<0.5 U	FALSE
MW-2	9/26/2005	ND<0.5 U	FALSE
MW-2	3/27/2007	ND<0.5 U	FALSE
MW-2	9/28/2007	0.53 J	FALSE
MW-2	3/26/2008	ND<0.25 U	FALSE
MW-2	9/29/2008	ND<0.5 U	FALSE
MW-2	3/26/2009	ND<0.5 U	FALSE
MW-2	10/1/2009	ND<0.5 U	FALSE

MW-4	**4/15/1998**	**6**	**TRUE**
MW-4	11/9/1998	ND<0.5 U	FALSE
MW-4	4/26/1999	ND<0.5 U	FALSE
MW-4	11/1/1999	ND<0.5 U	FALSE
MW-4	4/4/2000	ND<0.5 U	FALSE
MW-4	11/6/2000	ND<0.5 U	FALSE
MW-4	4/30/2001	ND<0.5 U	FALSE
MW-4	10/22/2001	ND<0.5 U	FALSE
MW-4	4/29/2002	1.6	FALSE
MW-4	10/28/2002	ND<0.5 U	FALSE
MW-4	3/24/2003	ND<0.5 U	FALSE
MW-4	9/30/2003	ND<0.5 U	FALSE
MW-4	3/29/2004	ND<0.5 U	FALSE
MW-4	9/27/2004	ND<0.5 U	FALSE
MW-4	4/11/2005	ND<0.5 U	FALSE
MW-4	9/26/2005	ND<0.5 U	FALSE
MW-4	3/27/2007	ND<0.5 U	FALSE
MW-4	9/28/2007	ND<0.5 U	FALSE
MW-4	3/26/2008	ND<0.25 U	FALSE
MW-4	9/29/2008	ND<0.5 U	FALSE
MW-4	3/26/2009	ND<0.5 U	FALSE
MW-4	10/2/2009	ND<0.5 U	FALSE

MW-8	4/17/1998	ND<0.5 U	FALSE
MW-8	11/10/1998	ND<0.5 U	FALSE
MW-8	4/26/1999	ND<0.5 U	FALSE
MW-8	11/1/1999	2 I	FALSE
MW-8	4/3/2000	ND<0.5 U	FALSE
MW-8	11/7/2000	ND<0.5 U	FALSE
MW-8	4/30/2001	ND<0.5 U	FALSE
MW-8	**10/22/2001**	**10**	**TRUE**
MW-8	1/14/2002	ND<0.5 U	FALSE
MW-8	**4/29/2002**	**4.5**	**TRUE**
MW-8	10/28/2002	ND<0.5 U	FALSE
MW-8	3/25/2003	ND<0.5 U	FALSE
MW-8	9/30/2003	ND<0.5 U	FALSE
MW-8	3/30/2004	ND<0.5 U	FALSE

MW-8	9/27/2004	ND<0.5 U	FALSE
MW-8	4/12/2005	ND<0.5 U	FALSE
MW-8	9/27/2005	ND<0.5 U	FALSE
MW-8	3/27/2007	ND<0.5 U	FALSE
MW-8	9/28/2007	ND<0.5 U	FALSE
MW-8	3/27/2008	ND<0.25 U	FALSE
MW-8	9/29/2008	ND<0.5 U	FALSE
MW-8	3/25/2009	ND<0.5 U	FALSE
MW-8	10/5/2009	ND<0.5 U	FALSE

MW-9	4/30/1998	1 I	FALSE
MW-9	11/9/1998	ND<0.5 U	FALSE
MW-9	4/27/1999	ND<0.5 U	FALSE
MW-9	11/1/1999	ND<0.5 U	FALSE
MW-9	4/3/2000	ND<0.5 U	FALSE
MW-9	11/7/2000	ND<0.5 U	FALSE
MW-9	4/30/2001	ND<0.5 U	FALSE
MW-9	10/22/2001	ND<0.5 U	FALSE
MW-9	4/29/2002	ND<0.5 U	FALSE
MW-9	10/28/2002	ND<0.5 U	FALSE
MW-9	3/25/2003	ND<0.5 U	FALSE
MW-9	9/30/2003	ND<0.5 U	FALSE
MW-9	4/26/2004	ND<0.5 U	FALSE
MW-9	9/27/2004	ND<0.5 U	FALSE
MW-9	4/11/2005	ND<0.5 U	FALSE
MW-9	9/27/2005	ND<0.5 U	FALSE

MW-11	**4/29/2002**	**6**	**TRUE**
MW-11	10/29/2002	ND<0.5 U	FALSE
MW-11	3/25/2003	ND<0.5 U	FALSE
MW-11	9/29/2003	ND<0.5 U	FALSE
MW-11	3/30/2004	ND<0.5 U	FALSE
MW-11	9/27/2004	ND<0.5 U	FALSE
MW-11	4/12/2005	ND<0.5 U	FALSE
MW-11	9/26/2005	ND<0.5 U	FALSE
MW-11	3/27/2007	ND<0.5 U	FALSE
MW-11	9/27/2007	ND<0.5 U	FALSE
MW-11	3/27/2008	ND<0.25 U	FALSE
MW-11	9/30/2008	ND<0.5 U	FALSE
MW-11	3/26/2009	ND<0.5 U	FALSE
MW-11	10/5/2009	ND<0.5 U	FALSE

MW-10	4/30/2002	ND<0.5 U	FALSE
MW-10	10/29/2002	1.9	FALSE
MW-10	3/25/2003	2.8	FALSE
MW-10	9/30/2003	ND<0.5 U	FALSE
MW-10	3/30/2004	ND<0.5 U	FALSE
MW-10	9/27/2004	ND<0.5 U	FALSE
MW-10	**4/12/2005**	**4.9**	**TRUE**
MW-10	9/27/2005	ND<0.5 U	FALSE
MW-10	3/27/2007	ND<0.5 U	FALSE
MW-10	9/27/2007	ND<0.5 U	FALSE
MW-10	3/26/2008	ND<0.25 U	FALSE
MW-10	9/26/2008	ND<0.5 U	FALSE

MW-10	3/26/2009	ND<0.5 U	FALSE
MW-10	10/1/2009	ND<0.5 U	FALSE
MW-12	10/28/2002	ND<0.5 U	FALSE
MW-12	3/25/2003	1.8	FALSE
MW-12	9/30/2003	ND<0.5 U	FALSE
MW-12	3/30/2004	ND<0.5 U	FALSE
MW-12	9/27/2004	ND<0.5 U	FALSE
MW-12	4/11/2005	ND<0.5 U	FALSE
MW-12	9/27/2005	ND<0.5 U	FALSE
MW-12	3/27/2007	ND<0.5 U	FALSE
MW-12	9/28/2007	ND<0.5 U	FALSE
MW-12	3/27/2008	ND<0.25 U	FALSE
MW-12	9/30/2008	ND<0.5 U	FALSE
MW-12	3/26/2009	ND<0.5 U	FALSE
MW-12	10/2/2009	ND<0.5 U	FALSE
MW-13	9/27/2005	ND<0.5 U	FALSE
MW-13	3/27/2007	ND<0.5 U	FALSE
MW-13	9/28/2007	ND<0.5 U	FALSE
MW-13	3/27/2008	ND<0.25 U	FALSE
MW-13	9/29/2008	ND<0.5 U	FALSE
MW-13	3/26/2009	ND<0.5 U	FALSE
MW-13	10/2/2009	ND<0.5 U	FALSE
MW-14	3/27/2007	ND<0.5 U	FALSE
MW-14	9/28/2007	ND<0.5 U	FALSE
MW-14	3/27/2008	ND<0.25 U	FALSE
MW-14	9/30/2008	ND<0.5 U	FALSE
MW-14	3/26/2009	ND<0.5 U	FALSE
MW-14	10/2/2009	ND<0.5 U	FALSE

Two-Sample Test of Proportions

Parameter: Cadmium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Background measurements = 22
Compliance measurements = 225
Comparison Level = 1.75

2 background measurements exceed 1.75
22 compliance measurements exceed 1.75

p background = 0.0909091 = 2 / 22
p compliance = 0.0977778 = 22 / 225
p total = 0.097166 = 24 / 247

nPs = 22
mPb = 2 < 5.0
n(1-Ps) = 203
m(1-Pb = 20

Zp = 0.103817 = 0.00686869 / 0.0661617
Z critical = 1.64485 at 95% confidence level

0.103817 < 1.64485
No Statistical Significance at 95% Confidence Level
When Compared to Compliance Limit = 1.75

Non-Parametric Tolerance Interval

Parameter: Chromium

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Total Percent Non-Detects = 24.6964%
Background measurements (n) = 22
Maximum Background Concentration = 176
Minimum Coverage = 87.3%
Average Coverage = 95.6522%

Location	Date	Value	Significant
MW-5	4/13/1998	150	FALSE
MW-5	11/11/1998	80	FALSE
MW-5	4/26/1999	9	FALSE
MW-5	11/2/1999	8	FALSE
MW-5	4/3/2000	7	FALSE
MW-5	11/6/2000	9	FALSE
MW-5	4/30/2001	6.5	FALSE
MW-5	10/22/2001	11	FALSE
MW-5	4/29/2002	79	FALSE
MW-5	10/28/2002	ND<2.5 U	FALSE
MW-5	3/24/2003	8.4	FALSE
MW-5	9/29/2003	7.4	FALSE
MW-5	3/30/2004	8.3	FALSE
MW-5	9/27/2004	8	FALSE
MW-5	4/12/2005	2.8	FALSE
MW-5	9/26/2005	12	FALSE
MW-5	3/27/2007	3.9 J	FALSE
MW-5	9/27/2007	3.2 J	FALSE
MW-5	3/26/2008	6.9	FALSE
MW-5	9/30/2008	6.4	FALSE
MW-5	3/26/2009	11.8	FALSE
MW-5	10/2/2009	16.3	FALSE
MW-6	4/13/1998	60	FALSE
MW-6	11/11/1998	64	FALSE
MW-6	4/26/1999	30	FALSE
MW-6	11/2/1999	32	FALSE
MW-6	4/3/2000	3 I	FALSE
MW-6	11/6/2000	5.2	FALSE
MW-6	4/30/2001	ND<2.5 U	FALSE
MW-6	**10/22/2001**	**350**	**TRUE**
MW-6	**4/29/2002**	**260**	**TRUE**
MW-6	10/28/2002	ND<2.5 U	FALSE
MW-6	3/25/2003	ND<2.5 U	FALSE
MW-6	**9/29/2003**	**290**	**TRUE**
MW-6	3/30/2004	ND<1 U	FALSE
MW-6	9/27/2004	37	FALSE
MW-6	**4/12/2005**	**300**	**TRUE**
MW-6	9/26/2005	16	FALSE
MW-6	3/27/2007	1.2 J	FALSE
MW-6	9/27/2007	2.5 J	FALSE
MW-6	3/26/2008	31.6	FALSE
MW-6	9/30/2008	ND<2.5 U	FALSE

MW-6	3/26/2009	6.6	FALSE
MW-6	10/2/2009	ND<2.5 U	FALSE

MW-7	4/13/1998	80	FALSE
MW-7	11/11/1998	66	FALSE
MW-7	4/26/1999	5	FALSE
MW-7	11/2/1999	6	FALSE
MW-7	4/3/2000	2 I	FALSE
MW-7	11/6/2000	14	FALSE
MW-7	4/30/2001	9.9	FALSE
MW-7	**10/22/2001**	**370**	**TRUE**
MW-7	**4/29/2002**	**190**	**TRUE**
MW-7	10/28/2002	17	FALSE
MW-7	3/25/2003	5.1	FALSE
MW-7	9/29/2003	81	FALSE
MW-7	3/30/2004	ND<1 U	FALSE
MW-7	9/27/2004	15	FALSE
MW-7	**4/12/2005**	**220**	**TRUE**
MW-7	9/26/2005	23	FALSE
MW-7	3/27/2007	9 J	FALSE
MW-7	9/27/2007	2.7 J	FALSE
MW-7	3/26/2008	ND<0.2 U	FALSE
MW-7	9/26/2008	6.2	FALSE
MW-7	3/26/2009	ND<2.5 U	FALSE
MW-7	10/1/2009	ND<2.5 U	FALSE

MW-3	**4/14/1998**	**476**	**TRUE**
MW-3	**11/9/1998**	**444**	**TRUE**
MW-3	4/27/1999	89	FALSE
MW-3	11/1/1999	56	FALSE
MW-3	4/3/2000	2 I	FALSE
MW-3	11/6/2000	10	FALSE
MW-3	4/30/2001	ND<2.5 U	FALSE
MW-3	10/22/2001	69	FALSE
MW-3	4/29/2002	110	FALSE
MW-3	10/28/2002	13	FALSE
MW-3	3/24/2003	47	FALSE
MW-3	9/29/2003	85	FALSE
MW-3	3/30/2004	12	FALSE
MW-3	9/27/2004	27	FALSE
MW-3	**4/11/2005**	**280**	**TRUE**
MW-3	9/26/2005	25	FALSE
MW-3	3/27/2007	10	FALSE
MW-3	9/28/2007	12.7	FALSE
MW-3	3/26/2008	45.6	FALSE
MW-3	9/30/2008	8.1	FALSE
MW-3	3/26/2009	63	FALSE
MW-3	10/1/2009	10.1	FALSE

MW-2	4/15/1998	40 I	FALSE
MW-2	11/11/1998	38	FALSE
MW-2	4/27/1999	7	FALSE
MW-2	11/2/1999	19	FALSE
MW-2	4/4/2000	16	FALSE

MW-2	11/6/2000	7	FALSE
MW-2	4/30/2001	ND<2.5 U	FALSE
MW-2	10/22/2001	55	FALSE
MW-2	4/29/2002	68	FALSE
MW-2	10/28/2002	ND<2.5 U	FALSE
MW-2	3/24/2003	7	FALSE
MW-2	9/29/2003	26	FALSE
MW-2	3/29/2004	18	FALSE
MW-2	9/27/2004	57	FALSE
MW-2	4/11/2005	83	FALSE
MW-2	9/26/2005	46	FALSE
MW-2	3/27/2007	2.4 J	FALSE
MW-2	9/28/2007	59.1	FALSE
MW-2	3/26/2008	ND<0.2 U	FALSE
MW-2	9/29/2008	9.1	FALSE
MW-2	3/26/2009	33.7	FALSE
MW-2	10/1/2009	72.4	FALSE
MW-4	**4/15/1998**	**260**	**TRUE**
MW-4	11/9/1998	47	FALSE
MW-4	4/26/1999	14	FALSE
MW-4	11/1/1999	8	FALSE
MW-4	4/4/2000	37	FALSE
MW-4	11/6/2000	ND<2.5 U	FALSE
MW-4	4/30/2001	ND<2.5 U	FALSE
MW-4	10/22/2001	18	FALSE
MW-4	4/29/2002	16	FALSE
MW-4	10/28/2002	ND<2.5 U	FALSE
MW-4	3/24/2003	9.3	FALSE
MW-4	9/30/2003	ND<1 U	FALSE
MW-4	3/29/2004	23	FALSE
MW-4	9/27/2004	2.1	FALSE
MW-4	4/11/2005	68	FALSE
MW-4	9/26/2005	19	FALSE
MW-4	3/27/2007	1.4 J	FALSE
MW-4	9/28/2007	1.3 J	FALSE
MW-4	3/26/2008	ND<0.2 U	FALSE
MW-4	9/29/2008	ND<2.5 U	FALSE
MW-4	3/26/2009	ND<2.5 U	FALSE
MW-4	10/2/2009	ND<2.5 U	FALSE
MW-8	4/17/1998	60	FALSE
MW-8	11/10/1998	70	FALSE
MW-8	4/26/1999	12	FALSE
MW-8	11/1/1999	8	FALSE
MW-8	4/3/2000	2 I	FALSE
MW-8	11/7/2000	ND<2.5 U	FALSE
MW-8	4/30/2001	ND<2.5 U	FALSE
MW-8	10/22/2001	110	FALSE
MW-8	1/14/2002	7.9	FALSE
MW-8	4/29/2002	53	FALSE
MW-8	10/28/2002	ND<2.5 U	FALSE
MW-8	3/25/2003	ND<2.5 U	FALSE
MW-8	9/30/2003	5.2	FALSE
MW-8	3/30/2004	9.5	FALSE

MW-8	9/27/2004	8.3	FALSE
MW-8	4/12/2005	14	FALSE
MW-8	9/27/2005	2.5	FALSE
MW-8	3/27/2007	2.5 J	FALSE
MW-8	9/28/2007	2.2 J	FALSE
MW-8	3/27/2008	5.1	FALSE
MW-8	9/29/2008	14.7	FALSE
MW-8	3/25/2009	ND<2.5 U	FALSE
MW-8	10/5/2009	5.8	FALSE
MW-9	4/30/1998	100	FALSE
MW-9	11/9/1998	16	FALSE
MW-9	4/27/1999	2 I	FALSE
MW-9	11/1/1999	2 I	FALSE
MW-9	4/3/2000	ND<0.5 U	FALSE
MW-9	11/7/2000	ND<2.5 U	FALSE
MW-9	4/30/2001	ND<2.5 U	FALSE
MW-9	10/22/2001	ND<2.5 U	FALSE
MW-9	4/29/2002	ND<2.5 U	FALSE
MW-9	10/28/2002	ND<2.5 U	FALSE
MW-9	3/25/2003	ND<2.5 U	FALSE
MW-9	9/30/2003	ND<1 U	FALSE
MW-9	4/26/2004	ND<1 U	FALSE
MW-9	9/27/2004	ND<1 U	FALSE
MW-9	4/11/2005	4.6	FALSE
MW-9	9/27/2005	ND<1 U	FALSE
MW-11	4/29/2002	150	FALSE
MW-11	10/29/2002	ND<2.5 U	FALSE
MW-11	3/25/2003	7.6	FALSE
MW-11	9/29/2003	6.9	FALSE
MW-11	3/30/2004	20	FALSE
MW-11	9/27/2004	ND<1 U	FALSE
MW-11	4/12/2005	2	FALSE
MW-11	9/26/2005	6	FALSE
MW-11	3/27/2007	0.83 J	FALSE
MW-11	9/27/2007	45.5	FALSE
MW-11	3/27/2008	ND<0.2 U	FALSE
MW-11	9/30/2008	ND<2.5 U	FALSE
MW-11	3/26/2009	ND<2.5 U	FALSE
MW-11	10/5/2009	ND<2.5 U	FALSE
MW-10	4/30/2002	18	FALSE
MW-10	10/29/2002	26	FALSE
MW-10	3/25/2003	69	FALSE
MW-10	9/30/2003	43	FALSE
MW-10	3/30/2004	16	FALSE
MW-10	9/27/2004	43	FALSE
MW-10	4/12/2005	59	FALSE
MW-10	9/27/2005	16	FALSE
MW-10	3/27/2007	4.7 J	FALSE
MW-10	9/27/2007	5.6	FALSE
MW-10	3/26/2008	5	FALSE
MW-10	9/26/2008	12.4	FALSE

MW-10	3/26/2009	ND<2.5 U	FALSE
MW-10	10/1/2009	7.5	FALSE
MW-12	10/28/2002	ND<2.5 U	FALSE
MW-12	3/25/2003	36	FALSE
MW-12	9/30/2003	7.7	FALSE
MW-12	3/30/2004	ND<1 U	FALSE
MW-12	9/27/2004	10	FALSE
MW-12	4/11/2005	13	FALSE
MW-12	9/27/2005	4.3	FALSE
MW-12	3/27/2007	1.4 J	FALSE
MW-12	9/28/2007	36.8	FALSE
MW-12	3/27/2008	ND<0.2 U	FALSE
MW-12	9/30/2008	ND<2.5 U	FALSE
MW-12	3/26/2009	11.9	FALSE
MW-12	10/2/2009	5.6	FALSE
MW-13	9/27/2005	ND<1 U	FALSE
MW-13	3/27/2007	ND<5 U	FALSE
MW-13	9/28/2007	0.94 J	FALSE
MW-13	3/27/2008	ND<0.2 U	FALSE
MW-13	9/29/2008	ND<2.5 U	FALSE
MW-13	3/26/2009	ND<2.5 U	FALSE
MW-13	10/2/2009	ND<2.5 U	FALSE
MW-14	3/27/2007	8.1 J	FALSE
MW-14	9/28/2007	40.1	FALSE
MW-14	3/27/2008	23.7	FALSE
MW-14	9/30/2008	10.6	FALSE
MW-14	3/26/2009	ND<2.5 U	FALSE
MW-14	10/2/2009	ND<2.5 U	FALSE

Two-Sample Test of Proportions

Parameter: Chromium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Background measurements = 22
Compliance measurements = 225
Comparison Level = 50

2 background measurements exceed 50
40 compliance measurements exceed 50

p background = 0.0909091 = 2 / 22
p compliance = 0.177778 = 40 / 225
p total = 0.17004 = 42 / 247

nPs = 40
mPb = 2 < 5.0
n(1-Ps) = 185
m(1-Pb = 20

Zp = 1.03517 = 0.0868687 / 0.0839171
Z critical = 1.64485 at 95% confidence level

1.03517 < 1.64485
No Statistical Significance at 95% Confidence Level
When Compared to Compliance Limit = 50

Non-Parametric Tolerance Interval

Parameter: Cobalt

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Total Percent Non-Detects = 45.749%
Background measurements (n) = 22
Maximum Background Concentration = 37
Minimum Coverage = 87.3%
Average Coverage = 95.6522%

Location	Date	Value	Significant
MW-5	**4/13/1998**	**46**	**TRUE**
MW-5	11/11/1998	25	FALSE
MW-5	4/26/1999	ND<2.5 U	FALSE
MW-5	11/2/1999	ND<2.5 U	FALSE
MW-5	4/3/2000	ND<2.5 U	FALSE
MW-5	11/6/2000	28	FALSE
MW-5	4/30/2001	ND<2.5 U	FALSE
MW-5	10/22/2001	ND<2.5 U	FALSE
MW-5	4/29/2002	18	FALSE
MW-5	10/28/2002	ND<2.5 U	FALSE
MW-5	3/24/2003	ND<2.5 U	FALSE
MW-5	9/29/2003	ND<2.5 U	FALSE
MW-5	3/30/2004	ND<2.5 U	FALSE
MW-5	9/27/2004	ND<2.5 U	FALSE
MW-5	4/12/2005	ND<2.5 U	FALSE
MW-5	9/26/2005	ND<2.5 U	FALSE
MW-5	3/27/2007	ND<5 U	FALSE
MW-5	9/27/2007	0.9 J	FALSE
MW-5	3/26/2008	ND<0.3 U	FALSE
MW-5	9/30/2008	5.7	FALSE
MW-5	3/26/2009	ND<2.5 U	FALSE
MW-5	10/2/2009	ND<2.5 U	FALSE
MW-6	4/13/1998	20 I	FALSE
MW-6	11/11/1998	26	FALSE
MW-6	4/26/1999	10 I	FALSE
MW-6	11/2/1999	7 I	FALSE
MW-6	4/3/2000	8 I	FALSE
MW-6	**11/6/2000**	**89**	**TRUE**
MW-6	4/30/2001	32	FALSE
MW-6	**10/22/2001**	**190**	**TRUE**
MW-6	**4/29/2002**	**100**	**TRUE**
MW-6	10/28/2002	ND<2.5 U	FALSE
MW-6	3/25/2003	ND<2.5 U	FALSE
MW-6	**9/29/2003**	**100**	**TRUE**
MW-6	3/30/2004	ND<2.5 U	FALSE
MW-6	9/27/2004	15	FALSE
MW-6	**4/12/2005**	**110**	**TRUE**
MW-6	9/26/2005	21	FALSE
MW-6	3/27/2007	1.1 J	FALSE
MW-6	9/27/2007	2.7 J	FALSE
MW-6	3/26/2008	ND<0.3 U	FALSE
MW-6	9/30/2008	6.3	FALSE

MW-6	3/26/2009	7	FALSE
MW-6	10/2/2009	ND<2.5 U	FALSE

MW-7	4/13/1998	29	FALSE
MW-7	11/11/1998	29	FALSE
MW-7	4/26/1999	ND<2.5 U	FALSE
MW-7	11/2/1999	ND<2.5 U	FALSE
MW-7	4/3/2000	ND<2.5 U	FALSE
MW-7	11/6/2000	22	FALSE
MW-7	4/30/2001	18	FALSE
MW-7	**10/22/2001**	**140**	**TRUE**
MW-7	**4/29/2002**	**68**	**TRUE**
MW-7	10/28/2002	17	FALSE
MW-7	3/25/2003	ND<2.5 U	FALSE
MW-7	9/29/2003	32	FALSE
MW-7	3/30/2004	6.4	FALSE
MW-7	9/27/2004	12	FALSE
MW-7	**4/12/2005**	**96**	**TRUE**
MW-7	9/26/2005	13	FALSE
MW-7	3/27/2007	3.7 J	FALSE
MW-7	9/27/2007	ND<2.5 U	FALSE
MW-7	3/26/2008	ND<0.3 U	FALSE
MW-7	9/26/2008	ND<2.5 U	FALSE
MW-7	3/26/2009	ND<2.5 U	FALSE
MW-7	10/1/2009	ND<2.5 U	FALSE

MW-3	**4/14/1998**	**97**	**TRUE**
MW-3	**11/9/1998**	**105**	**TRUE**
MW-3	4/27/1999	26	FALSE
MW-3	11/1/1999	18 I	FALSE
MW-3	4/3/2000	ND<2.5 U	FALSE
MW-3	11/6/2000	20	FALSE
MW-3	4/30/2001	15	FALSE
MW-3	10/22/2001	17	FALSE
MW-3	4/29/2002	26	FALSE
MW-3	10/28/2002	19	FALSE
MW-3	3/24/2003	21	FALSE
MW-3	**9/29/2003**	**44**	**TRUE**
MW-3	3/30/2004	25	FALSE
MW-3	9/27/2004	18	FALSE
MW-3	**4/11/2005**	**87**	**TRUE**
MW-3	**9/26/2005**	**95**	**TRUE**
MW-3	3/27/2007	9.2 J	FALSE
MW-3	9/28/2007	8.5	FALSE
MW-3	3/26/2008	ND<0.3 U	FALSE
MW-3	9/30/2008	9.8	FALSE
MW-3	3/26/2009	18.9	FALSE
MW-3	10/1/2009	6.9	FALSE

MW-2	**4/15/1998**	**42**	**TRUE**
MW-2	11/11/1998	31	FALSE
MW-2	4/27/1999	ND<2.5 U	FALSE
MW-2	11/2/1999	17 I	FALSE
MW-2	4/4/2000	13 I	FALSE

MW-2	11/6/2000	ND<2.5 U	FALSE
MW-2	4/30/2001	ND<2.5 U	FALSE
MW-2	**10/22/2001**	**44**	**TRUE**
MW-2	**4/29/2002**	**68**	**TRUE**
MW-2	10/28/2002	ND<2.5 U	FALSE
MW-2	3/24/2003	5.4	FALSE
MW-2	9/29/2003	27	FALSE
MW-2	3/29/2004	19	FALSE
MW-2	**9/27/2004**	**75**	**TRUE**
MW-2	**4/11/2005**	**87**	**TRUE**
MW-2	**9/26/2005**	**46**	**TRUE**
MW-2	3/27/2007	1.1 J	FALSE
MW-2	**9/28/2007**	**49.9**	**TRUE**
MW-2	3/26/2008	ND<0.3 U	FALSE
MW-2	9/29/2008	12.6	FALSE
MW-2	**3/26/2009**	**37.6**	**TRUE**
MW-2	**10/1/2009**	**73.6**	**TRUE**

MW-4	**4/15/1998**	**84**	**TRUE**
MW-4	11/9/1998	18 I	FALSE
MW-4	4/26/1999	14 I	FALSE
MW-4	11/1/1999	6 I	FALSE
MW-4	4/4/2000	17 I	FALSE
MW-4	11/6/2000	ND<2.5 U	FALSE
MW-4	4/30/2001	ND<2.5 U	FALSE
MW-4	10/22/2001	11	FALSE
MW-4	4/29/2002	9.3	FALSE
MW-4	10/28/2002	ND<2.5 U	FALSE
MW-4	3/24/2003	ND<2.5 U	FALSE
MW-4	9/30/2003	ND<2.5 U	FALSE
MW-4	3/29/2004	6.9	FALSE
MW-4	9/27/2004	ND<2.5 U	FALSE
MW-4	4/11/2005	17	FALSE
MW-4	9/26/2005	ND<2.5 U	FALSE
MW-4	3/27/2007	0.91 J	FALSE
MW-4	9/28/2007	1.7 J	FALSE
MW-4	3/26/2008	ND<0.3 U	FALSE
MW-4	9/29/2008	ND<2.5 U	FALSE
MW-4	3/26/2009	ND<2.5 U	FALSE
MW-4	10/2/2009	ND<2.5 U	FALSE

MW-8	4/17/1998	8 I	FALSE
MW-8	11/10/1998	23	FALSE
MW-8	4/26/1999	ND<2.5 U	FALSE
MW-8	11/1/1999	ND<2.5 U	FALSE
MW-8	4/3/2000	ND<2.5 U	FALSE
MW-8	11/7/2000	ND<2.5 U	FALSE
MW-8	4/30/2001	9.7	FALSE
MW-8	10/22/2001	37	FALSE
MW-8	1/14/2002	ND<2.5 U	FALSE
MW-8	4/29/2002	17	FALSE
MW-8	10/28/2002	ND<2.5 U	FALSE
MW-8	3/25/2003	ND<2.5 U	FALSE
MW-8	9/30/2003	ND<2.5 U	FALSE
MW-8	3/30/2004	ND<2.5 U	FALSE

MW-8	9/27/2004	ND<2.5 U	FALSE
MW-8	4/12/2005	ND<2.5 U	FALSE
MW-8	9/27/2005	ND<2.5 U	FALSE
MW-8	3/27/2007	ND<5 U	FALSE
MW-8	9/28/2007	2.6 J	FALSE
MW-8	3/27/2008	ND<0.3 U	FALSE
MW-8	9/29/2008	ND<2.5 U	FALSE
MW-8	3/25/2009	ND<2.5 U	FALSE
MW-8	10/5/2009	ND<2.5 U	FALSE
MW-9	**4/30/1998**	**38**	**TRUE**
MW-9	11/9/1998	ND<2.5 U	FALSE
MW-9	4/27/1999	ND<2.5 U	FALSE
MW-9	11/1/1999	ND<2.5 U	FALSE
MW-9	4/3/2000	ND<2.5 U	FALSE
MW-9	11/7/2000	ND<2.5 U	FALSE
MW-9	4/30/2001	ND<2.5 U	FALSE
MW-9	10/22/2001	ND<2.5 U	FALSE
MW-9	4/29/2002	ND<2.5 U	FALSE
MW-9	10/28/2002	ND<2.5 U	FALSE
MW-9	3/25/2003	ND<2.5 U	FALSE
MW-9	9/30/2003	ND<2.5 U	FALSE
MW-9	4/26/2004	ND<2.5 U	FALSE
MW-9	9/27/2004	ND<2.5 U	FALSE
MW-9	4/11/2005	11	FALSE
MW-9	9/27/2005	ND<2.5 U	FALSE
MW-11	**4/29/2002**	**46**	**TRUE**
MW-11	10/29/2002	ND<2.5 U	FALSE
MW-11	3/25/2003	ND<2.5 U	FALSE
MW-11	9/29/2003	ND<2.5 U	FALSE
MW-11	3/30/2004	9.8	FALSE
MW-11	9/27/2004	ND<2.5 U	FALSE
MW-11	4/12/2005	ND<2.5 U	FALSE
MW-11	9/26/2005	5.8	FALSE
MW-11	3/27/2007	1.4 J	FALSE
MW-11	9/27/2007	13.3	FALSE
MW-11	3/27/2008	ND<0.3 U	FALSE
MW-11	9/30/2008	ND<2.5 U	FALSE
MW-11	3/26/2009	ND<2.5 U	FALSE
MW-11	10/5/2009	ND<2.5 U	FALSE
MW-10	4/30/2002	5.1	FALSE
MW-10	10/29/2002	17	FALSE
MW-10	3/25/2003	14	FALSE
MW-10	9/30/2003	5.4	FALSE
MW-10	3/30/2004	ND<2.5 U	FALSE
MW-10	9/27/2004	8.5	FALSE
MW-10	4/12/2005	17	FALSE
MW-10	9/27/2005	5.3	FALSE
MW-10	3/27/2007	ND<5 U	FALSE
MW-10	9/27/2007	ND<2.5 U	FALSE
MW-10	3/26/2008	ND<0.3 U	FALSE
MW-10	9/26/2008	ND<2.5 U	FALSE

MW-10	3/26/2009	ND<2.5 U	FALSE
MW-10	10/1/2009	ND<2.5 U	FALSE
MW-12	10/28/2002	ND<2.5 U	FALSE
MW-12	3/25/2003	18	FALSE
MW-12	9/30/2003	ND<2.5 U	FALSE
MW-12	3/30/2004	ND<2.5 U	FALSE
MW-12	9/27/2004	11	FALSE
MW-12	4/11/2005	10	FALSE
MW-12	9/27/2005	5.7	FALSE
MW-12	3/27/2007	1.1 J	FALSE
MW-12	9/28/2007	11.9	FALSE
MW-12	3/27/2008	ND<0.3 U	FALSE
MW-12	9/30/2008	6.4	FALSE
MW-12	3/26/2009	15.5	FALSE
MW-12	10/2/2009	ND<2.5 U	FALSE
MW-13	9/27/2005	18	FALSE
MW-13	3/27/2007	21	FALSE
MW-13	9/28/2007	ND<2.5 U	FALSE
MW-13	3/27/2008	ND<0.3 U	FALSE
MW-13	9/29/2008	14.8	FALSE
MW-13	**3/26/2009**	**50**	**TRUE**
MW-13	10/2/2009	32.2	FALSE
MW-14	3/27/2007	ND<5 U	FALSE
MW-14	9/28/2007	24	FALSE
MW-14	3/27/2008	ND<0.3 U	FALSE
MW-14	9/30/2008	7.5	FALSE
MW-14	3/26/2009	ND<2.5 U	FALSE
MW-14	10/2/2009	ND<2.5 U	FALSE

Two-Sample Test of Proportions

Parameter: Cobalt

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Background measurements = 22
Compliance measurements = 225
Comparison Level = 70

0 background measurements exceed 70
15 compliance measurements exceed 70

p background = 0 = 0 / 22
p compliance = 0.0666667 = 15 / 225
p total = 0.0607287 = 15 / 247

nPs = 15
mPb = 0 < 5.0
n(1-Ps) = 210
m(1-Pb = 22

Zp = 1.2496 = 0.0666667 / 0.0533505
Z critical = 1.64485 at 95% confidence level

1.2496 < 1.64485
No Statistical Significance at 95% Confidence Level
When Compared to Compliance Limit = 70

Non-Parametric Tolerance Interval

Parameter: Copper

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Total Percent Non-Detects = 26.7206%
Background measurements (n) = 22
Maximum Background Concentration = 76
Minimum Coverage = 87.3%
Average Coverage = 95.6522%

Location	Date	Value	Significant
MW-5	4/13/1998	69	FALSE
MW-5	11/11/1998	36	FALSE
MW-5	4/26/1999	ND<2.5 U	FALSE
MW-5	11/2/1999	ND<2.5 U	FALSE
MW-5	4/3/2000	ND<2.5 U	FALSE
MW-5	11/6/2000	13	FALSE
MW-5	4/30/2001	ND<2.5 U	FALSE
MW-5	10/22/2001	ND<2.5 U	FALSE
MW-5	4/29/2002	36	FALSE
MW-5	10/28/2002	3.6	FALSE
MW-5	3/24/2003	2.9	FALSE
MW-5	9/29/2003	3.6	FALSE
MW-5	3/30/2004	5.2	FALSE
MW-5	9/27/2004	2.5	FALSE
MW-5	4/12/2005	ND<1 U	FALSE
MW-5	9/26/2005	2.5	FALSE
MW-5	3/27/2007	2.1 J	FALSE
MW-5	9/27/2007	ND<2.5 U	FALSE
MW-5	3/26/2008	ND<0.15 U	FALSE
MW-5	9/30/2008	15.3	FALSE
MW-5	3/26/2009	ND<2.5 U	FALSE
MW-5	10/2/2009	6	FALSE
MW-6	4/13/1998	25	FALSE
MW-6	11/11/1998	30	FALSE
MW-6	4/26/1999	11 I	FALSE
MW-6	11/2/1999	10 I	FALSE
MW-6	4/3/2000	5 I	FALSE
MW-6	11/6/2000	32	FALSE
MW-6	4/30/2001	10	FALSE
MW-6	**10/22/2001**	**210**	**TRUE**
MW-6	**4/29/2002**	**110**	**TRUE**
MW-6	10/28/2002	ND<1 U	FALSE
MW-6	3/25/2003	ND<1 U	FALSE
MW-6	**9/29/2003**	**130**	**TRUE**
MW-6	3/30/2004	ND<1 U	FALSE
MW-6	9/27/2004	14	FALSE
MW-6	**4/12/2005**	**140**	**TRUE**
MW-6	9/26/2005	9	FALSE
MW-6	3/27/2007	ND<5 U	FALSE
MW-6	9/27/2007	2.9 J	FALSE
MW-6	3/26/2008	15.6	FALSE
MW-6	9/30/2008	ND<2.5 U	FALSE

MW-6	3/26/2009	ND<2.5 U	FALSE
MW-6	10/2/2009	ND<2.5 U	FALSE

MW-7	4/13/1998	50	FALSE
MW-7	11/11/1998	51	FALSE
MW-7	4/26/1999	6 I	FALSE
MW-7	11/2/1999	6 I	FALSE
MW-7	4/3/2000	ND<2.5 U	FALSE
MW-7	11/6/2000	22	FALSE
MW-7	4/30/2001	22	FALSE
MW-7	**10/22/2001**	**300**	**TRUE**
MW-7	**4/29/2002**	**140**	**TRUE**
MW-7	10/28/2002	32	FALSE
MW-7	3/25/2003	5.5	FALSE
MW-7	9/29/2003	74	FALSE
MW-7	3/30/2004	ND<1 U	FALSE
MW-7	9/27/2004	22	FALSE
MW-7	**4/12/2005**	**240**	**TRUE**
MW-7	9/26/2005	28	FALSE
MW-7	3/27/2007	18	FALSE
MW-7	9/27/2007	4.3 J	FALSE
MW-7	3/26/2008	6.2	FALSE
MW-7	9/26/2008	6.4	FALSE
MW-7	3/26/2009	ND<2.5 U	FALSE
MW-7	10/1/2009	ND<2.5 U	FALSE

MW-3	**4/14/1998**	**165**	**TRUE**
MW-3	**11/9/1998**	**143**	**TRUE**
MW-3	4/27/1999	30	FALSE
MW-3	11/1/1999	17 I	FALSE
MW-3	4/3/2000	ND<2.5 U	FALSE
MW-3	11/6/2000	8.2	FALSE
MW-3	4/30/2001	7.8	FALSE
MW-3	10/22/2001	28	FALSE
MW-3	4/29/2002	43	FALSE
MW-3	10/28/2002	15	FALSE
MW-3	3/24/2003	18	FALSE
MW-3	9/29/2003	36	FALSE
MW-3	3/30/2004	9.3	FALSE
MW-3	9/27/2004	13	FALSE
MW-3	**4/11/2005**	**160**	**TRUE**
MW-3	**9/26/2005**	**77**	**TRUE**
MW-3	3/27/2007	8.6 J	FALSE
MW-3	9/28/2007	10.6	FALSE
MW-3	3/26/2008	37.6	FALSE
MW-3	9/30/2008	6.7	FALSE
MW-3	3/26/2009	40.6	FALSE
MW-3	10/1/2009	7.6	FALSE

MW-2	4/15/1998	28	FALSE
MW-2	11/11/1998	23	FALSE
MW-2	4/27/1999	5	FALSE
MW-2	11/2/1999	10 I	FALSE
MW-2	4/4/2000	10 I	FALSE

MW-2	11/6/2000	ND<2.5 U	FALSE
MW-2	4/30/2001	ND<2.5 U	FALSE
MW-2	10/22/2001	34	FALSE
MW-2	4/29/2002	50	FALSE
MW-2	10/28/2002	ND<1 U	FALSE
MW-2	3/24/2003	4	FALSE
MW-2	9/29/2003	20	FALSE
MW-2	3/29/2004	13	FALSE
MW-2	9/27/2004	46	FALSE
MW-2	4/11/2005	61	FALSE
MW-2	9/26/2005	28	FALSE
MW-2	3/27/2007	0.58 J	FALSE
MW-2	9/28/2007	50.9	FALSE
MW-2	3/26/2008	ND<0.15 U	FALSE
MW-2	9/29/2008	6.8	FALSE
MW-2	3/26/2009	23.5	FALSE
MW-2	10/1/2009	53	FALSE
MW-4	**4/15/1998**	**171**	**TRUE**
MW-4	11/9/1998	31	FALSE
MW-4	4/26/1999	16 I	FALSE
MW-4	11/1/1999	7 I	FALSE
MW-4	4/4/2000	32	FALSE
MW-4	11/6/2000	ND<2.5 U	FALSE
MW-4	4/30/2001	ND<2.5 U	FALSE
MW-4	10/22/2001	18	FALSE
MW-4	4/29/2002	14	FALSE
MW-4	10/28/2002	4.1	FALSE
MW-4	3/24/2003	8.1	FALSE
MW-4	9/30/2003	2.7	FALSE
MW-4	3/29/2004	19	FALSE
MW-4	9/27/2004	ND<1 U	FALSE
MW-4	4/11/2005	57	FALSE
MW-4	9/26/2005	12	FALSE
MW-4	3/27/2007	1.4 J	FALSE
MW-4	9/28/2007	2.4 J	FALSE
MW-4	3/26/2008	ND<0.15 U	FALSE
MW-4	9/29/2008	ND<2.5 U	FALSE
MW-4	3/26/2009	ND<2.5 U	FALSE
MW-4	10/2/2009	ND<2.5 U	FALSE
MW-8	4/17/1998	15 I	FALSE
MW-8	11/10/1998	47	FALSE
MW-8	4/26/1999	10 I	FALSE
MW-8	11/1/1999	6 I	FALSE
MW-8	4/3/2000	ND<2.5 U	FALSE
MW-8	11/7/2000	ND<2.5 U	FALSE
MW-8	4/30/2001	ND<2.5 U	FALSE
MW-8	**10/22/2001**	**99**	**TRUE**
MW-8	1/14/2002	9.8	FALSE
MW-8	4/29/2002	47	FALSE
MW-8	10/28/2002	2.7	FALSE
MW-8	3/25/2003	4.1	FALSE
MW-8	9/30/2003	5.9	FALSE
MW-8	3/30/2004	9.3	FALSE

MW-8	9/27/2004	8.4	FALSE
MW-8	4/12/2005	14	FALSE
MW-8	9/27/2005	ND<1 U	FALSE
MW-8	3/27/2007	2.3 J	FALSE
MW-8	9/28/2007	0.7 J	FALSE
MW-8	3/27/2008	ND<0.15 U	FALSE
MW-8	9/29/2008	ND<2.5 U	FALSE
MW-8	3/25/2009	ND<2.5 U	FALSE
MW-8	10/5/2009	ND<2.5 U	FALSE
MW-9	4/30/1998	37	FALSE
MW-9	11/9/1998	10 I	FALSE
MW-9	4/27/1999	ND<2.5 U	FALSE
MW-9	11/1/1999	ND<2.5 U	FALSE
MW-9	4/3/2000	ND<2.5 U	FALSE
MW-9	11/7/2000	ND<2.5 U	FALSE
MW-9	4/30/2001	ND<2.5 U	FALSE
MW-9	10/22/2001	ND<2.5 U	FALSE
MW-9	4/29/2002	ND<1 U	FALSE
MW-9	10/28/2002	ND<1 U	FALSE
MW-9	3/25/2003	2.6	FALSE
MW-9	9/30/2003	2.6	FALSE
MW-9	4/26/2004	ND<1 U	FALSE
MW-9	9/27/2004	2.7	FALSE
MW-9	4/11/2005	3.2	FALSE
MW-9	9/27/2005	3.7	FALSE
MW-11	**4/29/2002**	**84**	**TRUE**
MW-11	10/29/2002	ND<1 U	FALSE
MW-11	3/25/2003	5.9	FALSE
MW-11	9/29/2003	9.7	FALSE
MW-11	3/30/2004	28	FALSE
MW-11	9/27/2004	2.7	FALSE
MW-11	4/12/2005	5.2	FALSE
MW-11	9/26/2005	14	FALSE
MW-11	3/27/2007	3 J	FALSE
MW-11	9/27/2007	67.5	FALSE
MW-11	3/27/2008	46.7	FALSE
MW-11	9/30/2008	ND<2.5 U	FALSE
MW-11	3/26/2009	ND<2.5 U	FALSE
MW-11	10/5/2009	ND<2.5 U	FALSE
MW-10	4/30/2002	9	FALSE
MW-10	10/29/2002	24	FALSE
MW-10	3/25/2003	31	FALSE
MW-10	9/30/2003	24	FALSE
MW-10	3/30/2004	6	FALSE
MW-10	9/27/2004	28	FALSE
MW-10	**4/12/2005**	**170**	**TRUE**
MW-10	**9/27/2005**	**79**	**TRUE**
MW-10	3/27/2007	17	FALSE
MW-10	9/27/2007	17.6	FALSE
MW-10	3/26/2008	10.1	FALSE
MW-10	9/26/2008	17.3	FALSE

MW-10	3/26/2009	ND<2.5 U	FALSE
MW-10	10/1/2009	10.3	FALSE
MW-12	10/28/2002	ND<1 U	FALSE
MW-12	3/25/2003	22	FALSE
MW-12	9/30/2003	8	FALSE
MW-12	3/30/2004	ND<1 U	FALSE
MW-12	9/27/2004	15	FALSE
MW-12	4/11/2005	15	FALSE
MW-12	9/27/2005	5.2	FALSE
MW-12	3/27/2007	0.91 J	FALSE
MW-12	9/28/2007	62.5	FALSE
MW-12	3/27/2008	ND<0.15 U	FALSE
MW-12	9/30/2008	ND<2.5 U	FALSE
MW-12	3/26/2009	12.5	FALSE
MW-12	10/2/2009	6.1	FALSE
MW-13	9/27/2005	3.6	FALSE
MW-13	3/27/2007	0.47 J	FALSE
MW-13	9/28/2007	1.4 J	FALSE
MW-13	3/27/2008	ND<0.15 U	FALSE
MW-13	9/29/2008	ND<2.5 U	FALSE
MW-13	3/26/2009	ND<2.5 U	FALSE
MW-13	10/2/2009	ND<2.5 U	FALSE
MW-14	3/27/2007	5.2 J	FALSE
MW-14	9/28/2007	42.6	FALSE
MW-14	3/27/2008	19.2	FALSE
MW-14	9/30/2008	6.3	FALSE
MW-14	3/26/2009	ND<2.5 U	FALSE
MW-14	10/2/2009	ND<2.5 U	FALSE

Two-Sample Test of Proportions

Parameter: Copper

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Background measurements = 22
Compliance measurements = 225
Comparison Level = 1000

0 background measurements exceed 1000
0 compliance measurements exceed 1000

p background = 0 = 0 / 22
p compliance = 0 = 0 / 225
p total = 0 = 0 / 247

nPs = 0 < 5.0
mPb = 0 < 5.0
n(1-Ps) = 225
m(1-Pb = 22

Divide by zero error.

Non-Parametric Tolerance Interval

Parameter: Lead

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Total Percent Non-Detects = 76.5182%
Background measurements (n) = 22
Maximum Background Concentration = 10
Minimum Coverage = 87.3%
Average Coverage = 95.6522%

Location	Date	Value	Significant
MW-5	**4/13/1998**	**18**	**TRUE**
MW-5	**11/11/1998**	**12 I**	**TRUE**
MW-5	4/26/1999	ND<2 U	FALSE
MW-5	11/2/1999	ND<2 U	FALSE
MW-5	4/3/2000	ND<2 U	FALSE
MW-5	11/6/2000	ND<5 U	FALSE
MW-5	4/30/2001	ND<5 U	FALSE
MW-5	10/22/2001	ND<5 U	FALSE
MW-5	4/29/2002	ND<5 U	FALSE
MW-5	10/28/2002	ND<5 U	FALSE
MW-5	3/24/2003	ND<5 U	FALSE
MW-5	9/29/2003	ND<2.5 U	FALSE
MW-5	3/30/2004	ND<2.5 U	FALSE
MW-5	9/27/2004	ND<2.5 U	FALSE
MW-5	4/12/2005	ND<2.5 U	FALSE
MW-5	9/26/2005	ND<2.5 U	FALSE
MW-5	3/27/2007	ND<5 U	FALSE
MW-5	9/27/2007	ND<2.5 U	FALSE
MW-5	3/26/2008	ND<2 U	FALSE
MW-5	9/30/2008	ND<2.5 U	FALSE
MW-5	3/26/2009	ND<2.5 U	FALSE
MW-5	10/2/2009	ND<2.5 U	FALSE
MW-6	4/13/1998	8 I	FALSE
MW-6	11/11/1998	10 I	FALSE
MW-6	4/26/1999	4 I	FALSE
MW-6	11/2/1999	ND<2 U	FALSE
MW-6	4/3/2000	ND<2 U	FALSE
MW-6	11/6/2000	ND<5 U	FALSE
MW-6	4/30/2001	ND<5 U	FALSE
MW-6	**10/22/2001**	**14**	**TRUE**
MW-6	**4/29/2002**	**12**	**TRUE**
MW-6	10/28/2002	ND<5 U	FALSE
MW-6	3/25/2003	ND<5 U	FALSE
MW-6	**9/29/2003**	**34**	**TRUE**
MW-6	3/30/2004	ND<2.5 U	FALSE
MW-6	9/27/2004	10	FALSE
MW-6	**4/12/2005**	**30**	**TRUE**
MW-6	9/26/2005	6	FALSE
MW-6	3/27/2007	ND<5 U	FALSE
MW-6	9/27/2007	ND<2.5 U	FALSE
MW-6	3/26/2008	ND<2 U	FALSE
MW-6	9/30/2008	ND<2.5 U	FALSE

MW-6	3/26/2009	ND<2.5 U	FALSE
MW-6	10/2/2009	ND<2.5 U	FALSE

MW-7	4/13/1998	9 I	FALSE
MW-7	11/11/1998	8 I	FALSE
MW-7	4/26/1999	ND<2 U	FALSE
MW-7	11/2/1999	ND<2 U	FALSE
MW-7	4/3/2000	ND<2 U	FALSE
MW-7	11/6/2000	ND<5 U	FALSE
MW-7	4/30/2001	ND<5 U	FALSE
MW-7	10/22/2001	10	FALSE
MW-7	4/29/2002	ND<5 U	FALSE
MW-7	10/28/2002	ND<5 U	FALSE
MW-7	3/25/2003	ND<5 U	FALSE
MW-7	9/29/2003	6.5	FALSE
MW-7	3/30/2004	ND<2.5 U	FALSE
MW-7	9/27/2004	ND<2.5 U	FALSE
MW-7	**4/12/2005**	**12**	**TRUE**
MW-7	9/26/2005	ND<2.5 U	FALSE
MW-7	3/27/2007	ND<5 U	FALSE
MW-7	9/27/2007	ND<2.5 U	FALSE
MW-7	3/26/2008	ND<2 U	FALSE
MW-7	9/26/2008	ND<2.5 U	FALSE
MW-7	3/26/2009	ND<2.5 U	FALSE
MW-7	10/1/2009	ND<2.5 U	FALSE

MW-3	**4/14/1998**	**49**	**TRUE**
MW-3	**11/9/1998**	**32**	**TRUE**
MW-3	4/27/1999	10 I	FALSE
MW-3	11/1/1999	4 I	FALSE
MW-3	4/3/2000	ND<2 U	FALSE
MW-3	11/6/2000	ND<5 U	FALSE
MW-3	4/30/2001	ND<5 U	FALSE
MW-3	10/22/2001	ND<5 U	FALSE
MW-3	4/29/2002	ND<5 U	FALSE
MW-3	10/28/2002	ND<5 U	FALSE
MW-3	3/24/2003	ND<5 U	FALSE
MW-3	9/29/2003	6.1	FALSE
MW-3	3/30/2004	ND<2.5 U	FALSE
MW-3	9/27/2004	ND<2.5 U	FALSE
MW-3	**4/11/2005**	**42**	**TRUE**
MW-3	**9/26/2005**	**13**	**TRUE**
MW-3	3/27/2007	ND<5 U	FALSE
MW-3	9/28/2007	ND<2.5 U	FALSE
MW-3	3/26/2008	ND<2 U	FALSE
MW-3	9/30/2008	ND<2.5 U	FALSE
MW-3	3/26/2009	6.2	FALSE
MW-3	10/1/2009	ND<2.5 U	FALSE

MW-2	**4/15/1998**	**20**	**TRUE**
MW-2	**11/11/1998**	**19**	**TRUE**
MW-2	4/27/1999	ND<2 U	FALSE
MW-2	11/2/1999	5 I	FALSE
MW-2	4/4/2000	4 I	FALSE

MW-2	11/6/2000	ND<5 U	FALSE
MW-2	4/30/2001	ND<5 U	FALSE
MW-2	**10/22/2001**	**22**	**TRUE**
MW-2	**4/29/2002**	**33**	**TRUE**
MW-2	10/28/2002	ND<5 U	FALSE
MW-2	3/24/2003	ND<5 U	FALSE
MW-2	**9/29/2003**	**12**	**TRUE**
MW-2	**3/29/2004**	**11**	**TRUE**
MW-2	**9/27/2004**	**31**	**TRUE**
MW-2	**4/11/2005**	**47**	**TRUE**
MW-2	**9/26/2005**	**22**	**TRUE**
MW-2	3/27/2007	ND<5 U	FALSE
MW-2	**9/28/2007**	**27.8**	**TRUE**
MW-2	3/26/2008	ND<2 U	FALSE
MW-2	9/29/2008	ND<2.5 U	FALSE
MW-2	**3/26/2009**	**12.3**	**TRUE**
MW-2	**10/1/2009**	**27.7**	**TRUE**

MW-4	**4/15/1998**	**23**	**TRUE**
MW-4	11/9/1998	6 I	FALSE
MW-4	4/26/1999	6 I	FALSE
MW-4	11/1/1999	ND<2 U	FALSE
MW-4	4/4/2000	ND<2 U	FALSE
MW-4	11/6/2000	ND<5 U	FALSE
MW-4	4/30/2001	ND<5 U	FALSE
MW-4	10/22/2001	ND<5 U	FALSE
MW-4	4/29/2002	ND<5 U	FALSE
MW-4	10/28/2002	ND<5 U	FALSE
MW-4	3/24/2003	ND<5 U	FALSE
MW-4	9/30/2003	ND<2.5 U	FALSE
MW-4	3/29/2004	5.9	FALSE
MW-4	9/27/2004	ND<2.5 U	FALSE
MW-4	**4/11/2005**	**18**	**TRUE**
MW-4	9/26/2005	ND<2.5 U	FALSE
MW-4	3/27/2007	ND<5 U	FALSE
MW-4	9/28/2007	ND<2.5 U	FALSE
MW-4	3/26/2008	ND<2 U	FALSE
MW-4	9/29/2008	ND<2.5 U	FALSE
MW-4	3/26/2009	ND<2.5 U	FALSE
MW-4	10/2/2009	ND<2.5 U	FALSE

MW-8	4/17/1998	4 I	FALSE
MW-8	**11/10/1998**	**13 I**	**TRUE**
MW-8	4/26/1999	ND<2 U	FALSE
MW-8	11/1/1999	ND<2 U	FALSE
MW-8	4/3/2000	ND<2 U	FALSE
MW-8	11/7/2000	ND<5 U	FALSE
MW-8	4/30/2001	ND<5 U	FALSE
MW-8	**10/22/2001**	**16**	**TRUE**
MW-8	1/14/2002	ND<5 U	FALSE
MW-8	4/29/2002	ND<5 U	FALSE
MW-8	10/28/2002	ND<5 U	FALSE
MW-8	3/25/2003	ND<5 U	FALSE
MW-8	9/30/2003	ND<2.5 U	FALSE
MW-8	3/30/2004	ND<2.5 U	FALSE

MW-8	9/27/2004	ND<2.5 U	FALSE
MW-8	4/12/2005	ND<2.5 U	FALSE
MW-8	9/27/2005	ND<2.5 U	FALSE
MW-8	3/27/2007	ND<5 U	FALSE
MW-8	9/28/2007	9.4	FALSE
MW-8	3/27/2008	ND<2 U	FALSE
MW-8	9/29/2008	ND<2.5 U	FALSE
MW-8	3/25/2009	ND<2.5 U	FALSE
MW-8	10/5/2009	ND<2.5 U	FALSE
MW-9	**4/30/1998**	**18**	**TRUE**
MW-9	11/9/1998	9 I	FALSE
MW-9	4/27/1999	ND<2 U	FALSE
MW-9	11/1/1999	ND<2 U	FALSE
MW-9	4/3/2000	ND<2 U	FALSE
MW-9	11/7/2000	ND<5 U	FALSE
MW-9	4/30/2001	ND<5 U	FALSE
MW-9	10/22/2001	ND<5 U	FALSE
MW-9	4/29/2002	ND<5 U	FALSE
MW-9	10/28/2002	ND<5 U	FALSE
MW-9	3/25/2003	ND<5 U	FALSE
MW-9	9/30/2003	ND<2.5 U	FALSE
MW-9	4/26/2004	ND<2.5 U	FALSE
MW-9	9/27/2004	ND<2.5 U	FALSE
MW-9	4/11/2005	ND<2.5 U	FALSE
MW-9	9/27/2005	ND<2.5 U	FALSE
MW-11	4/29/2002	ND<5 U	FALSE
MW-11	10/29/2002	ND<5 U	FALSE
MW-11	3/25/2003	ND<5 U	FALSE
MW-11	9/29/2003	ND<2.5 U	FALSE
MW-11	3/30/2004	6.5	FALSE
MW-11	9/27/2004	ND<2.5 U	FALSE
MW-11	4/12/2005	ND<2.5 U	FALSE
MW-11	9/26/2005	ND<2.5 U	FALSE
MW-11	3/27/2007	ND<5 U	FALSE
MW-11	9/27/2007	5	FALSE
MW-11	3/27/2008	ND<2 U	FALSE
MW-11	9/30/2008	ND<2.5 U	FALSE
MW-11	3/26/2009	ND<2.5 U	FALSE
MW-11	10/5/2009	ND<2.5 U	FALSE
MW-10	4/30/2002	ND<5 U	FALSE
MW-10	10/29/2002	ND<5 U	FALSE
MW-10	3/25/2003	ND<5 U	FALSE
MW-10	9/30/2003	ND<2.5 U	FALSE
MW-10	3/30/2004	ND<2.5 U	FALSE
MW-10	9/27/2004	ND<2.5 U	FALSE
MW-10	4/12/2005	5.9	FALSE
MW-10	9/27/2005	ND<2.5 U	FALSE
MW-10	3/27/2007	7.4 J	FALSE
MW-10	9/27/2007	5.4	FALSE
MW-10	3/26/2008	ND<2 U	FALSE
MW-10	9/26/2008	ND<2.5 U	FALSE

MW-10	3/26/2009	ND<2.5 U	FALSE
MW-10	10/1/2009	ND<2.5 U	FALSE
MW-12	10/28/2002	ND<5 U	FALSE
MW-12	3/25/2003	ND<5 U	FALSE
MW-12	9/30/2003	ND<2.5 U	FALSE
MW-12	3/30/2004	ND<2.5 U	FALSE
MW-12	9/27/2004	ND<2.5 U	FALSE
MW-12	4/11/2005	ND<2.5 U	FALSE
MW-12	9/27/2005	ND<2.5 U	FALSE
MW-12	3/27/2007	ND<5 U	FALSE
MW-12	9/28/2007	ND<2.5 U	FALSE
MW-12	3/27/2008	ND<2 U	FALSE
MW-12	9/30/2008	ND<2.5 U	FALSE
MW-12	3/26/2009	ND<2.5 U	FALSE
MW-12	10/2/2009	ND<2.5 U	FALSE
MW-13	9/27/2005	ND<2.5 U	FALSE
MW-13	3/27/2007	ND<5 U	FALSE
MW-13	9/28/2007	ND<2.5 U	FALSE
MW-13	3/27/2008	ND<2 U	FALSE
MW-13	9/29/2008	ND<2.5 U	FALSE
MW-13	3/26/2009	ND<2.5 U	FALSE
MW-13	10/2/2009	ND<2.5 U	FALSE
MW-14	3/27/2007	ND<5 U	FALSE
MW-14	**9/28/2007**	**15.9**	**TRUE**
MW-14	3/27/2008	5.6	FALSE
MW-14	9/30/2008	ND<2.5 U	FALSE
MW-14	3/26/2009	ND<2.5 U	FALSE
MW-14	10/2/2009	ND<2.5 U	FALSE

Two-Sample Test of Proportions

Parameter: Lead

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Background measurements = 22
Compliance measurements = 225
Comparison Level = 15

0 background measurements exceed 15
20 compliance measurements exceed 15

p background = 0 = 0 / 22
p compliance = 0.0888889 = 20 / 225
p total = 0.0809717 = 20 / 247

nPs = 20
mPb = 0 < 5.0
n(1-Ps) = 205
m(1-Pb = 22

Zp = 1.45872 = 0.0888889 / 0.0609364
Z critical = 1.64485 at 95% confidence level

1.45872 < 1.64485
No Statistical Significance at 95% Confidence Level
When Compared to Compliance Limit = 15

Non-Parametric Tolerance Interval

Parameter: Nickel

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Total Percent Non-Detects = 22.6721%
Background measurements (n) = 22
Maximum Background Concentration = 120
Minimum Coverage = 87.3%
Average Coverage = 95.6522%

Location	Date	Value	Significant
MW-5	4/13/1998	88	FALSE
MW-5	11/11/1998	52	FALSE
MW-5	4/26/1999	ND<2.5 U	FALSE
MW-5	11/2/1999	ND<2.5 U	FALSE
MW-5	4/3/2000	ND<2.5 U	FALSE
MW-5	11/6/2000	34	FALSE
MW-5	4/30/2001	ND<2.5 U	FALSE
MW-5	10/22/2001	5.1	FALSE
MW-5	4/29/2002	49	FALSE
MW-5	10/28/2002	ND<2.5 U	FALSE
MW-5	3/24/2003	ND<2.5 U	FALSE
MW-5	9/29/2003	ND<2.5 U	FALSE
MW-5	3/30/2004	5.1	FALSE
MW-5	9/27/2004	ND<2.5 U	FALSE
MW-5	4/12/2005	ND<2.5 U	FALSE
MW-5	9/26/2005	ND<2.5 U	FALSE
MW-5	3/27/2007	ND<25 U	FALSE
MW-5	9/27/2007	ND<2.5 U	FALSE
MW-5	3/26/2008	5.1	FALSE
MW-5	9/30/2008	6.2	FALSE
MW-5	3/26/2009	7.3	FALSE
MW-5	10/2/2009	11.8	FALSE
MW-6	4/13/1998	24	FALSE
MW-6	11/11/1998	28	FALSE
MW-6	4/26/1999	12 I	FALSE
MW-6	11/2/1999	10 I	FALSE
MW-6	4/3/2000	ND<2.5 U	FALSE
MW-6	11/6/2000	31	FALSE
MW-6	4/30/2001	12	FALSE
MW-6	**10/22/2001**	**170**	**TRUE**
MW-6	4/29/2002	94	FALSE
MW-6	10/28/2002	ND<2.5 U	FALSE
MW-6	3/25/2003	ND<2.5 U	FALSE
MW-6	9/29/2003	100	FALSE
MW-6	3/30/2004	ND<2.5 U	FALSE
MW-6	9/27/2004	12	FALSE
MW-6	4/12/2005	92	FALSE
MW-6	9/26/2005	8	FALSE
MW-6	3/27/2007	ND<25 U	FALSE
MW-6	9/27/2007	1.8 J	FALSE
MW-6	3/26/2008	12.2	FALSE
MW-6	9/30/2008	ND<2.5 U	FALSE

MW-6	3/26/2009	ND<2.5 U	FALSE
MW-6	10/2/2009	ND<2.5 U	FALSE

MW-7	4/13/1998	85	FALSE
MW-7	11/11/1998	64	FALSE
MW-7	4/26/1999	9 I	FALSE
MW-7	11/2/1999	10 I	FALSE
MW-7	4/3/2000	8 I	FALSE
MW-7	11/6/2000	52	FALSE
MW-7	4/30/2001	36	FALSE
MW-7	**10/22/2001**	**340**	**TRUE**
MW-7	**4/29/2002**	**170**	**TRUE**
MW-7	10/28/2002	41	FALSE
MW-7	3/25/2003	12	FALSE
MW-7	9/29/2003	92	FALSE
MW-7	3/30/2004	13	FALSE
MW-7	9/27/2004	28	FALSE
MW-7	**4/12/2005**	**250**	**TRUE**
MW-7	9/26/2005	42	FALSE
MW-7	3/27/2007	18 J	FALSE
MW-7	9/27/2007	14.2	FALSE
MW-7	3/26/2008	14.2	FALSE
MW-7	9/26/2008	13.3	FALSE
MW-7	3/26/2009	7.3	FALSE
MW-7	10/1/2009	11.8	FALSE

MW-3	**4/14/1998**	**293**	**TRUE**
MW-3	**11/9/1998**	**264**	**TRUE**
MW-3	4/27/1999	84	FALSE
MW-3	11/1/1999	66	FALSE
MW-3	4/3/2000	34	FALSE
MW-3	11/6/2000	70	FALSE
MW-3	4/30/2001	53	FALSE
MW-3	10/22/2001	94	FALSE
MW-3	4/29/2002	100	FALSE
MW-3	10/28/2002	54	FALSE
MW-3	3/24/2003	62	FALSE
MW-3	9/29/2003	100	FALSE
MW-3	3/30/2004	55	FALSE
MW-3	9/27/2004	50	FALSE
MW-3	**4/11/2005**	**190**	**TRUE**
MW-3	9/26/2005	120	FALSE
MW-3	3/27/2007	28 J	FALSE
MW-3	9/28/2007	23.5	FALSE
MW-3	3/26/2008	42.2	FALSE
MW-3	9/30/2008	20.8	FALSE
MW-3	3/26/2009	46.3	FALSE
MW-3	10/1/2009	24.3	FALSE

MW-2	4/15/1998	49	FALSE
MW-2	11/11/1998	40	FALSE
MW-2	4/27/1999	5 I	FALSE
MW-2	11/2/1999	18 I	FALSE
MW-2	4/4/2000	16 I	FALSE

MW-2	11/6/2000	6.5	FALSE
MW-2	4/30/2001	ND<2.5 U	FALSE
MW-2	10/22/2001	61	FALSE
MW-2	4/29/2002	92	FALSE
MW-2	10/28/2002	ND<2.5 U	FALSE
MW-2	3/24/2003	6.7	FALSE
MW-2	9/29/2003	32	FALSE
MW-2	3/29/2004	21	FALSE
MW-2	9/27/2004	66	FALSE
MW-2	4/11/2005	97	FALSE
MW-2	9/26/2005	54	FALSE
MW-2	3/27/2007	ND<25 U	FALSE
MW-2	9/28/2007	80.6	FALSE
MW-2	3/26/2008	ND<0.85 U	FALSE
MW-2	9/29/2008	10.1	FALSE
MW-2	3/26/2009	40.9	FALSE
MW-2	10/1/2009	84.8	FALSE
MW-4	**4/15/1998**	**126**	**TRUE**
MW-4	11/9/1998	33	FALSE
MW-4	4/26/1999	15 I	FALSE
MW-4	11/1/1999	13 I	FALSE
MW-4	4/4/2000	20 I	FALSE
MW-4	11/6/2000	6.7	FALSE
MW-4	4/30/2001	6	FALSE
MW-4	10/22/2001	21	FALSE
MW-4	4/29/2002	18	FALSE
MW-4	10/28/2002	8.5	FALSE
MW-4	3/24/2003	5.5	FALSE
MW-4	9/30/2003	ND<2.5 U	FALSE
MW-4	3/29/2004	13	FALSE
MW-4	9/27/2004	ND<2.5 U	FALSE
MW-4	4/11/2005	35	FALSE
MW-4	9/26/2005	9.4	FALSE
MW-4	3/27/2007	2.5 J	FALSE
MW-4	9/28/2007	6.5	FALSE
MW-4	3/26/2008	5	FALSE
MW-4	9/29/2008	8.1	FALSE
MW-4	3/26/2009	ND<2.5 U	FALSE
MW-4	10/2/2009	6.2	FALSE
MW-8	4/17/1998	38	FALSE
MW-8	11/10/1998	40	FALSE
MW-8	4/26/1999	8 I	FALSE
MW-8	11/1/1999	7 I	FALSE
MW-8	4/3/2000	ND<2.5 U	FALSE
MW-8	11/7/2000	7.8	FALSE
MW-8	4/30/2001	16	FALSE
MW-8	10/22/2001	65	FALSE
MW-8	1/14/2002	ND<2.5 U	FALSE
MW-8	4/29/2002	30	FALSE
MW-8	10/28/2002	ND<2.5 U	FALSE
MW-8	3/25/2003	ND<2.5 U	FALSE
MW-8	9/30/2003	ND<2.5 U	FALSE
MW-8	3/30/2004	5.2	FALSE

MW-8	9/27/2004	ND<2.5 U	FALSE
MW-8	4/12/2005	9.7	FALSE
MW-8	9/27/2005	ND<2.5 U	FALSE
MW-8	3/27/2007	ND<25 U	FALSE
MW-8	9/28/2007	ND<2.5 U	FALSE
MW-8	3/27/2008	ND<0.85 U	FALSE
MW-8	9/29/2008	9.7	FALSE
MW-8	3/25/2009	ND<2.5 U	FALSE
MW-8	10/5/2009	ND<2.5 U	FALSE
MW-9	4/30/1998	58	FALSE
MW-9	11/9/1998	15 I	FALSE
MW-9	4/27/1999	6 I	FALSE
MW-9	11/1/1999	12 I	FALSE
MW-9	4/3/2000	9 I	FALSE
MW-9	11/7/2000	11	FALSE
MW-9	4/30/2001	6.7	FALSE
MW-9	10/22/2001	7.9	FALSE
MW-9	4/29/2002	7.4	FALSE
MW-9	10/28/2002	ND<2.5 U	FALSE
MW-9	3/25/2003	36	FALSE
MW-9	9/30/2003	21	FALSE
MW-9	4/26/2004	23	FALSE
MW-9	9/27/2004	20	FALSE
MW-9	4/11/2005	33	FALSE
MW-9	9/27/2005	30	FALSE
MW-11	4/29/2002	120	FALSE
MW-11	10/29/2002	ND<2.5 U	FALSE
MW-11	3/25/2003	21	FALSE
MW-11	9/29/2003	20	FALSE
MW-11	3/30/2004	48	FALSE
MW-11	9/27/2004	19	FALSE
MW-11	4/12/2005	32	FALSE
MW-11	9/26/2005	35	FALSE
MW-11	3/27/2007	23 J	FALSE
MW-11	9/27/2007	80.3	FALSE
MW-11	3/27/2008	59.8	FALSE
MW-11	9/30/2008	26.8	FALSE
MW-11	3/26/2009	48.6	FALSE
MW-11	10/5/2009	31.6	FALSE
MW-10	4/30/2002	16	FALSE
MW-10	10/29/2002	35	FALSE
MW-10	3/25/2003	36	FALSE
MW-10	9/30/2003	23	FALSE
MW-10	3/30/2004	8.7	FALSE
MW-10	9/27/2004	18	FALSE
MW-10	4/12/2005	36	FALSE
MW-10	9/27/2005	14	FALSE
MW-10	3/27/2007	1.8 J	FALSE
MW-10	9/27/2007	5.6	FALSE
MW-10	3/26/2008	ND<0.85 U	FALSE
MW-10	9/26/2008	7.3	FALSE

MW-10	3/26/2009	ND<2.5 U	FALSE
MW-10	10/1/2009	5.9	FALSE
MW-12	10/28/2002	ND<2.5 U	FALSE
MW-12	3/25/2003	48	FALSE
MW-12	9/30/2003	9.1	FALSE
MW-12	3/30/2004	5	FALSE
MW-12	9/27/2004	23	FALSE
MW-12	4/11/2005	21	FALSE
MW-12	9/27/2005	22	FALSE
MW-12	3/27/2007	5.9 J	FALSE
MW-12	9/28/2007	61.6	FALSE
MW-12	3/27/2008	11.7	FALSE
MW-12	9/30/2008	10.7	FALSE
MW-12	3/26/2009	21.1	FALSE
MW-12	10/2/2009	14.6	FALSE
MW-13	9/27/2005	ND<2.5 U	FALSE
MW-13	3/27/2007	ND<25 U	FALSE
MW-13	9/28/2007	2.4 J	FALSE
MW-13	3/27/2008	ND<0.85 U	FALSE
MW-13	9/29/2008	ND<2.5 U	FALSE
MW-13	3/26/2009	ND<2.5 U	FALSE
MW-13	10/2/2009	ND<2.5 U	FALSE
MW-14	3/27/2007	4.8 J	FALSE
MW-14	9/28/2007	35.6	FALSE
MW-14	3/27/2008	20.1	FALSE
MW-14	9/30/2008	6.7	FALSE
MW-14	3/26/2009	ND<2.5 U	FALSE
MW-14	10/2/2009	5	FALSE

Two-Sample Test of Proportions

Parameter: Nickel

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Background measurements = 22
Compliance measurements = 225
Comparison Level = 100

1 background measurements exceed 100
10 compliance measurements exceed 100

p background = 0.0454545 = 1 / 22
p compliance = 0.0444444 = 10 / 225
p total = 0.0445344 = 11 / 247

nPs = 10
mPb = 1 < 5.0
n(1-Ps) = 215
m(1-Pb = 21

Zp = -0.0219212 = -0.0010101 / 0.0460788
Z critical = 1.64485 at 95% confidence level

-0.0219212 < 1.64485
No Statistical Significance at 95% Confidence Level
When Compared to Compliance Limit = 100

Non-Parametric Tolerance Interval

Parameter: Vanadium

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Total Percent Non-Detects = 20.6478%
Background measurements (n) = 22
Maximum Background Concentration = 131
Minimum Coverage = 87.3%
Average Coverage = 95.6522%

Location	Date	Value	Significant
MW-5	**4/13/1998**	**198**	**TRUE**
MW-5	11/11/1998	116	FALSE
MW-5	4/26/1999	50	FALSE
MW-5	11/2/1999	50	FALSE
MW-5	4/3/2000	52	FALSE
MW-5	11/6/2000	55	FALSE
MW-5	4/30/2001	51	FALSE
MW-5	10/22/2001	38	FALSE
MW-5	4/29/2002	130	FALSE
MW-5	10/28/2002	13	FALSE
MW-5	3/24/2003	38	FALSE
MW-5	9/29/2003	28	FALSE
MW-5	3/30/2004	15	FALSE
MW-5	9/27/2004	25	FALSE
MW-5	4/12/2005	13	FALSE
MW-5	9/26/2005	26	FALSE
MW-5	3/27/2007	7.8 J	FALSE
MW-5	9/27/2007	8.3	FALSE
MW-5	3/26/2008	13.7	FALSE
MW-5	9/30/2008	8.8	FALSE
MW-5	3/26/2009	20.7	FALSE
MW-5	10/2/2009	24.2	FALSE
MW-6	4/13/1998	74	FALSE
MW-6	11/11/1998	86	FALSE
MW-6	4/26/1999	35	FALSE
MW-6	11/2/1999	30	FALSE
MW-6	4/3/2000	8 I	FALSE
MW-6	11/6/2000	49	FALSE
MW-6	4/30/2001	15	FALSE
MW-6	**10/22/2001**	**550**	**TRUE**
MW-6	**4/29/2002**	**350**	**TRUE**
MW-6	10/28/2002	ND<2.5 U	FALSE
MW-6	3/25/2003	ND<2.5 U	FALSE
MW-6	**9/29/2003**	**380**	**TRUE**
MW-6	3/30/2004	ND<2.5 U	FALSE
MW-6	9/27/2004	49	FALSE
MW-6	**4/12/2005**	**430**	**TRUE**
MW-6	9/26/2005	29	FALSE
MW-6	3/27/2007	2.2 J	FALSE
MW-6	9/27/2007	7.7	FALSE
MW-6	3/26/2008	48.1	FALSE
MW-6	9/30/2008	6.1	FALSE

MW-6	3/26/2009	8.2	FALSE
MW-6	10/2/2009	ND<2.5 U	FALSE

MW-7	**4/13/1998**	**134**	**TRUE**
MW-7	11/11/1998	105	FALSE
MW-7	4/26/1999	7 I	FALSE
MW-7	11/2/1999	10 I	FALSE
MW-7	4/3/2000	ND<2.5 U	FALSE
MW-7	11/6/2000	46	FALSE
MW-7	4/30/2001	39	FALSE
MW-7	**10/22/2001**	**620**	**TRUE**
MW-7	**4/29/2002**	**310**	**TRUE**
MW-7	10/28/2002	49	FALSE
MW-7	3/25/2003	11	FALSE
MW-7	**9/29/2003**	**140**	**TRUE**
MW-7	3/30/2004	ND<2.5 U	FALSE
MW-7	9/27/2004	26	FALSE
MW-7	**4/12/2005**	**480**	**TRUE**
MW-7	9/26/2005	48	FALSE
MW-7	3/27/2007	23 J	FALSE
MW-7	9/27/2007	8.3	FALSE
MW-7	3/26/2008	9.6	FALSE
MW-7	9/26/2008	9.9	FALSE
MW-7	3/26/2009	7.7	FALSE
MW-7	10/1/2009	ND<2.5 U	FALSE

MW-3	**4/14/1998**	**783**	**TRUE**
MW-3	**11/9/1998**	**600**	**TRUE**
MW-3	**4/27/1999**	**132**	**TRUE**
MW-3	11/1/1999	75	FALSE
MW-3	4/3/2000	6 I	FALSE
MW-3	11/6/2000	35	FALSE
MW-3	4/30/2001	22	FALSE
MW-3	10/22/2001	97	FALSE
MW-3	**4/29/2002**	**140**	**TRUE**
MW-3	10/28/2002	36	FALSE
MW-3	3/24/2003	66	FALSE
MW-3	9/29/2003	94	FALSE
MW-3	3/30/2004	22	FALSE
MW-3	9/27/2004	37	FALSE
MW-3	**4/11/2005**	**540**	**TRUE**
MW-3	9/26/2005	100	FALSE
MW-3	3/27/2007	22 J	FALSE
MW-3	9/28/2007	22.5	FALSE
MW-3	3/26/2008	90.4	FALSE
MW-3	9/30/2008	15.6	FALSE
MW-3	3/26/2009	93	FALSE
MW-3	10/1/2009	18.4	FALSE

MW-2	4/15/1998	47	FALSE
MW-2	11/11/1998	36	FALSE
MW-2	4/27/1999	ND<2.5 U	FALSE
MW-2	11/2/1999	16 I	FALSE
MW-2	4/4/2000	14 I	FALSE

MW-2	11/6/2000	7.8	FALSE
MW-2	4/30/2001	ND<2.5 U	FALSE
MW-2	10/22/2001	77	FALSE
MW-2	4/29/2002	87	FALSE
MW-2	10/28/2002	ND<2.5 U	FALSE
MW-2	3/24/2003	6.8	FALSE
MW-2	9/29/2003	30	FALSE
MW-2	3/29/2004	23	FALSE
MW-2	9/27/2004	74	FALSE
MW-2	4/11/2005	98	FALSE
MW-2	9/26/2005	59	FALSE
MW-2	3/27/2007	1.4 J	FALSE
MW-2	9/28/2007	76.1	FALSE
MW-2	3/26/2008	ND<0.1 U	FALSE
MW-2	9/29/2008	11.8	FALSE
MW-2	3/26/2009	37.8	FALSE
MW-2	10/1/2009	96.8	FALSE
MW-4	**4/15/1998**	**342**	**TRUE**
MW-4	11/9/1998	55	FALSE
MW-4	4/26/1999	22	FALSE
MW-4	11/1/1999	11 I	FALSE
MW-4	4/4/2000	56	FALSE
MW-4	11/6/2000	ND<2.5 U	FALSE
MW-4	4/30/2001	ND<2.5 U	FALSE
MW-4	10/22/2001	23	FALSE
MW-4	4/29/2002	24	FALSE
MW-4	10/28/2002	ND<2.5 U	FALSE
MW-4	3/24/2003	19	FALSE
MW-4	9/30/2003	ND<2.5 U	FALSE
MW-4	3/29/2004	38	FALSE
MW-4	9/27/2004	5.1	FALSE
MW-4	4/11/2005	110	FALSE
MW-4	9/26/2005	31	FALSE
MW-4	3/27/2007	4.3 J	FALSE
MW-4	9/28/2007	4.5 J	FALSE
MW-4	3/26/2008	10.5	FALSE
MW-4	9/29/2008	7	FALSE
MW-4	3/26/2009	6.8	FALSE
MW-4	10/2/2009	6.5	FALSE
MW-8	4/17/1998	23	FALSE
MW-8	11/10/1998	81	FALSE
MW-8	4/26/1999	12 I	FALSE
MW-8	11/1/1999	8 I	FALSE
MW-8	4/3/2000	ND<2.5 U	FALSE
MW-8	11/7/2000	13	FALSE
MW-8	4/30/2001	16	FALSE
MW-8	**10/22/2001**	**160**	**TRUE**
MW-8	1/14/2002	18	FALSE
MW-8	4/29/2002	72	FALSE
MW-8	10/28/2002	ND<2.5 U	FALSE
MW-8	3/25/2003	7	FALSE
MW-8	9/30/2003	7.6	FALSE
MW-8	3/30/2004	15	FALSE

MW-8	9/27/2004	14	FALSE
MW-8	4/12/2005	26	FALSE
MW-8	9/27/2005	ND<2.5 U	FALSE
MW-8	3/27/2007	5.4 J	FALSE
MW-8	9/28/2007	3.1 J	FALSE
MW-8	3/27/2008	11.5	FALSE
MW-8	9/29/2008	6.5	FALSE
MW-8	3/25/2009	5.7	FALSE
MW-8	10/5/2009	10.3	FALSE
MW-9	4/30/1998	130	FALSE
MW-9	11/9/1998	26	FALSE
MW-9	4/27/1999	ND<2.5 U	FALSE
MW-9	11/1/1999	ND<2.5 U	FALSE
MW-9	4/3/2000	ND<2.5 U	FALSE
MW-9	11/7/2000	ND<2.5 U	FALSE
MW-9	4/30/2001	ND<2.5 U	FALSE
MW-9	10/22/2001	ND<2.5 U	FALSE
MW-9	4/29/2002	ND<2.5 U	FALSE
MW-9	10/28/2002	ND<2.5 U	FALSE
MW-9	3/25/2003	ND<2.5 U	FALSE
MW-9	9/30/2003	ND<2.5 U	FALSE
MW-9	4/26/2004	ND<2.5 U	FALSE
MW-9	9/27/2004	ND<2.5 U	FALSE
MW-9	4/11/2005	7.1	FALSE
MW-9	9/27/2005	ND<2.5 U	FALSE
MW-11	4/29/2002	130	FALSE
MW-11	10/29/2002	ND<2.5 U	FALSE
MW-11	3/25/2003	7.7	FALSE
MW-11	9/29/2003	7.9	FALSE
MW-11	3/30/2004	19	FALSE
MW-11	9/27/2004	ND<2.5 U	FALSE
MW-11	4/12/2005	ND<2.5 U	FALSE
MW-11	9/26/2005	6.1	FALSE
MW-11	3/27/2007	2 J	FALSE
MW-11	9/27/2007	58.6	FALSE
MW-11	3/27/2008	ND<0.1 U	FALSE
MW-11	9/30/2008	ND<2.5 U	FALSE
MW-11	3/26/2009	ND<2.5 U	FALSE
MW-11	10/5/2009	ND<2.5 U	FALSE
MW-10	4/30/2002	21	FALSE
MW-10	10/29/2002	50	FALSE
MW-10	3/25/2003	69	FALSE
MW-10	9/30/2003	42	FALSE
MW-10	3/30/2004	18	FALSE
MW-10	9/27/2004	46	FALSE
MW-10	4/12/2005	74	FALSE
MW-10	9/27/2005	22	FALSE
MW-10	3/27/2007	7.3 J	FALSE
MW-10	9/27/2007	9	FALSE
MW-10	3/26/2008	7.8	FALSE
MW-10	9/26/2008	15.4	FALSE

MW-10	3/26/2009	ND<2.5 U	FALSE
MW-10	10/1/2009	9.1	FALSE
MW-12	10/28/2002	ND<2.5 U	FALSE
MW-12	3/25/2003	45	FALSE
MW-12	9/30/2003	13	FALSE
MW-12	3/30/2004	ND<2.5 U	FALSE
MW-12	9/27/2004	24	FALSE
MW-12	4/11/2005	26	FALSE
MW-12	9/27/2005	9.2	FALSE
MW-12	3/27/2007	2.4 J	FALSE
MW-12	9/28/2007	91.9	FALSE
MW-12	3/27/2008	ND<0.1 U	FALSE
MW-12	9/30/2008	ND<2.5 U	FALSE
MW-12	3/26/2009	22.2	FALSE
MW-12	10/2/2009	10.9	FALSE
MW-13	9/27/2005	ND<2.5 U	FALSE
MW-13	3/27/2007	ND<12.5 U	FALSE
MW-13	9/28/2007	0.7 J	FALSE
MW-13	3/27/2008	ND<0.1 U	FALSE
MW-13	9/29/2008	ND<2.5 U	FALSE
MW-13	3/26/2009	ND<2.5 U	FALSE
MW-13	10/2/2009	ND<2.5 U	FALSE
MW-14	3/27/2007	17 J	FALSE
MW-14	9/28/2007	111	FALSE
MW-14	3/27/2008	56.1	FALSE
MW-14	9/30/2008	20.4	FALSE
MW-14	3/26/2009	10.6	FALSE
MW-14	10/2/2009	10	FALSE

Two-Sample Test of Proportions

Parameter: Vanadium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Background measurements = 22
Compliance measurements = 225
Comparison Level = 3.5

22 background measurements exceed 3.5
215 compliance measurements exceed 3.5

p background = 1 = 22 / 22
p compliance = 0.955556 = 215 / 225
p total = 0.959514 = 237 / 247

nPs = 215
mPb = 22
n(1-Ps) = 10
m(1-Pb = 0 < 5.0

Zp = -1.00947 = -0.0444444 / 0.0440274
Z critical = 1.64485 at 95% confidence level

-1.00947 < 1.64485
No Statistical Significance at 95% Confidence Level
When Compared to Compliance Limit = 3.5

Non-Parametric Tolerance Interval

Parameter: Zinc

Original Data (Not Transformed)

Non-Detects Replaced with 1/2 DL

Total Percent Non-Detects = 28.7449%
Background measurements (n) = 22
Maximum Background Concentration = 200
Minimum Coverage = 87.3%
Average Coverage = 95.6522%

Location	Date	Value	Significant
MW-5	4/13/1998	180	FALSE
MW-5	11/11/1998	97 I	FALSE
MW-5	4/26/1999	27 I	FALSE
MW-5	11/2/1999	20 I	FALSE
MW-5	4/3/2000	ND<12.5 U	FALSE
MW-5	11/6/2000	75	FALSE
MW-5	4/30/2001	ND<5 U	FALSE
MW-5	10/22/2001	13	FALSE
MW-5	4/29/2002	84	FALSE
MW-5	10/28/2002	ND<5 U	FALSE
MW-5	3/24/2003	ND<5 U	FALSE
MW-5	9/29/2003	ND<5 U	FALSE
MW-5	3/30/2004	13	FALSE
MW-5	9/27/2004	21	FALSE
MW-5	4/12/2005	ND<5 U	FALSE
MW-5	9/26/2005	11	FALSE
MW-5	3/27/2007	7.7 J	FALSE
MW-5	9/27/2007	12.4	FALSE
MW-5	3/26/2008	ND<0.2 U	FALSE
MW-5	9/30/2008	12	FALSE
MW-5	3/26/2009	15.1	FALSE
MW-5	10/2/2009	14.3	FALSE
MW-6	4/13/1998	79	FALSE
MW-6	11/11/1998	63 I	FALSE
MW-6	4/26/1999	55 I	FALSE
MW-6	11/2/1999	50 I	FALSE
MW-6	4/3/2000	34 I	FALSE
MW-6	11/6/2000	73	FALSE
MW-6	4/30/2001	27	FALSE
MW-6	**10/22/2001**	**440**	**TRUE**
MW-6	**4/29/2002**	**260**	**TRUE**
MW-6	10/28/2002	ND<5 U	FALSE
MW-6	3/25/2003	ND<5 U	FALSE
MW-6	**9/29/2003**	**290**	**TRUE**
MW-6	3/30/2004	ND<5 U	FALSE
MW-6	9/27/2004	57	FALSE
MW-6	**4/12/2005**	**320**	**TRUE**
MW-6	9/26/2005	21	FALSE
MW-6	3/27/2007	4.2 J	FALSE
MW-6	9/27/2007	17.1	FALSE
MW-6	3/26/2008	42.9	FALSE
MW-6	9/30/2008	ND<5 U	FALSE

MW-6	3/26/2009	15	FALSE
MW-6	10/2/2009	ND<5 U	FALSE

MW-7	4/13/1998	90	FALSE
MW-7	11/11/1998	95 I	FALSE
MW-7	4/26/1999	ND<12.5 U	FALSE
MW-7	11/2/1999	40 I	FALSE
MW-7	4/3/2000	ND<12.5 U	FALSE
MW-7	11/6/2000	66	FALSE
MW-7	4/30/2001	42	FALSE
MW-7	**10/22/2001**	**430**	**TRUE**
MW-7	**4/29/2002**	**240**	**TRUE**
MW-7	10/28/2002	47	FALSE
MW-7	3/25/2003	14	FALSE
MW-7	9/29/2003	99	FALSE
MW-7	3/30/2004	ND<5 U	FALSE
MW-7	9/27/2004	23	FALSE
MW-7	**4/12/2005**	**320**	**TRUE**
MW-7	9/26/2005	54	FALSE
MW-7	3/27/2007	37	FALSE
MW-7	9/27/2007	26.5	FALSE
MW-7	3/26/2008	15.6	FALSE
MW-7	9/26/2008	13.3	FALSE
MW-7	3/26/2009	14.4	FALSE
MW-7	10/1/2009	16.5	FALSE

MW-3	**4/14/1998**	**380**	**TRUE**
MW-3	**11/9/1998**	**315**	**TRUE**
MW-3	4/27/1999	88 I	FALSE
MW-3	11/1/1999	60 I	FALSE
MW-3	4/3/2000	ND<12.5 U	FALSE
MW-3	11/6/2000	55	FALSE
MW-3	4/30/2001	30	FALSE
MW-3	10/22/2001	67	FALSE
MW-3	4/29/2002	87	FALSE
MW-3	10/28/2002	38	FALSE
MW-3	3/24/2003	43	FALSE
MW-3	9/29/2003	89	FALSE
MW-3	3/30/2004	32	FALSE
MW-3	9/27/2004	38	FALSE
MW-3	**4/11/2005**	**280**	**TRUE**
MW-3	9/26/2005	150	FALSE
MW-3	3/27/2007	21	FALSE
MW-3	9/28/2007	22.2	FALSE
MW-3	3/26/2008	52.2	FALSE
MW-3	9/30/2008	ND<5 U	FALSE
MW-3	3/26/2009	53.9	FALSE
MW-3	10/1/2009	13.6	FALSE

MW-2	4/15/1998	190	FALSE
MW-2	11/11/1998	145	FALSE
MW-2	4/27/1999	31 I	FALSE
MW-2	11/2/1999	70 I	FALSE
MW-2	4/4/2000	61 I	FALSE

MW-2	11/6/2000	25	FALSE
MW-2	4/30/2001	22	FALSE
MW-2	**10/22/2001**	**230**	**TRUE**
MW-2	**4/29/2002**	**360**	**TRUE**
MW-2	10/28/2002	ND<5 U	FALSE
MW-2	3/24/2003	23	FALSE
MW-2	9/29/2003	120	FALSE
MW-2	3/29/2004	78	FALSE
MW-2	**9/27/2004**	**260**	**TRUE**
MW-2	**4/11/2005**	**330**	**TRUE**
MW-2	9/26/2005	190	FALSE
MW-2	3/27/2007	9 J	FALSE
MW-2	**9/28/2007**	**311**	**TRUE**
MW-2	3/26/2008	ND<0.2 U	FALSE
MW-2	9/29/2008	33.1	FALSE
MW-2	3/26/2009	152	FALSE
MW-2	**10/1/2009**	**316**	**TRUE**

MW-4	**4/15/1998**	**210**	**TRUE**
MW-4	11/9/1998	46 I	FALSE
MW-4	4/26/1999	42 I	FALSE
MW-4	11/1/1999	ND<12.5 U	FALSE
MW-4	4/4/2000	42 I	FALSE
MW-4	11/6/2000	ND<5 U	FALSE
MW-4	4/30/2001	ND<5 U	FALSE
MW-4	10/22/2001	27	FALSE
MW-4	4/29/2002	19	FALSE
MW-4	10/28/2002	10	FALSE
MW-4	3/24/2003	30	FALSE
MW-4	9/30/2003	ND<5 U	FALSE
MW-4	3/29/2004	27	FALSE
MW-4	9/27/2004	22	FALSE
MW-4	4/11/2005	79	FALSE
MW-4	9/26/2005	24	FALSE
MW-4	3/27/2007	5.4 J	FALSE
MW-4	9/28/2007	12.2	FALSE
MW-4	3/26/2008	ND<0.2 U	FALSE
MW-4	9/29/2008	ND<5 U	FALSE
MW-4	3/26/2009	ND<5 U	FALSE
MW-4	10/2/2009	ND<5 U	FALSE

MW-8	4/17/1998	40 I	FALSE
MW-8	11/10/1998	84 I	FALSE
MW-8	4/26/1999	45 I	FALSE
MW-8	11/1/1999	40 I	FALSE
MW-8	4/3/2000	ND<12.5 U	FALSE
MW-8	11/7/2000	20	FALSE
MW-8	4/30/2001	39	FALSE
MW-8	10/22/2001	200	FALSE
MW-8	1/14/2002	21	FALSE
MW-8	4/29/2002	75	FALSE
MW-8	10/28/2002	ND<5 U	FALSE
MW-8	3/25/2003	ND<5 U	FALSE
MW-8	9/30/2003	ND<5 U	FALSE
MW-8	3/30/2004	14	FALSE

MW-8	9/27/2004	12	FALSE
MW-8	4/12/2005	21	FALSE
MW-8	9/27/2005	ND<5 U	FALSE
MW-8	3/27/2007	7.8 J	FALSE
MW-8	9/28/2007	10.7	FALSE
MW-8	3/27/2008	12.8	FALSE
MW-8	9/29/2008	ND<5 U	FALSE
MW-8	3/25/2009	19.5	FALSE
MW-8	10/5/2009	ND<5 U	FALSE
MW-9	4/30/1998	100	FALSE
MW-9	11/9/1998	27 I	FALSE
MW-9	4/27/1999	ND<12.5 U	FALSE
MW-9	11/1/1999	ND<12.5 U	FALSE
MW-9	4/3/2000	ND<12.5 U	FALSE
MW-9	11/7/2000	ND<5 U	FALSE
MW-9	4/30/2001	ND<5 U	FALSE
MW-9	10/22/2001	ND<5 U	FALSE
MW-9	4/29/2002	ND<5 U	FALSE
MW-9	10/28/2002	ND<5 U	FALSE
MW-9	3/25/2003	ND<5 U	FALSE
MW-9	9/30/2003	ND<5 U	FALSE
MW-9	4/26/2004	ND<5 U	FALSE
MW-9	9/27/2004	ND<5 U	FALSE
MW-9	4/11/2005	10	FALSE
MW-9	9/27/2005	ND<5 U	FALSE
MW-11	4/29/2002	91	FALSE
MW-11	10/29/2002	ND<5 U	FALSE
MW-11	3/25/2003	14	FALSE
MW-11	9/29/2003	11	FALSE
MW-11	3/30/2004	21	FALSE
MW-11	9/27/2004	ND<5 U	FALSE
MW-11	4/12/2005	ND<5 U	FALSE
MW-11	9/26/2005	12	FALSE
MW-11	3/27/2007	8.8 J	FALSE
MW-11	9/27/2007	57.6	FALSE
MW-11	3/27/2008	ND<0.2 U	FALSE
MW-11	9/30/2008	ND<5 U	FALSE
MW-11	3/26/2009	ND<5 U	FALSE
MW-11	10/5/2009	ND<5 U	FALSE
MW-10	4/30/2002	14	FALSE
MW-10	10/29/2002	56	FALSE
MW-10	3/25/2003	62	FALSE
MW-10	9/30/2003	38	FALSE
MW-10	3/30/2004	21	FALSE
MW-10	9/27/2004	40	FALSE
MW-10	**4/12/2005**	**370**	**TRUE**
MW-10	9/27/2005	140	FALSE
MW-10	3/27/2007	37	FALSE
MW-10	9/27/2007	55	FALSE
MW-10	3/26/2008	25.8	FALSE
MW-10	9/26/2008	31.7	FALSE

MW-10	3/26/2009	17	FALSE
MW-10	10/1/2009	28.5	FALSE
MW-12	10/28/2002	ND<5 U	FALSE
MW-12	3/25/2003	130	FALSE
MW-12	9/30/2003	16	FALSE
MW-12	3/30/2004	ND<5 U	FALSE
MW-12	9/27/2004	26	FALSE
MW-12	4/11/2005	53	FALSE
MW-12	9/27/2005	ND<5 U	FALSE
MW-12	3/27/2007	6.7 J	FALSE
MW-12	9/28/2007	105	FALSE
MW-12	3/27/2008	ND<0.2 U	FALSE
MW-12	9/30/2008	ND<5 U	FALSE
MW-12	3/26/2009	21.7	FALSE
MW-12	10/2/2009	ND<5 U	FALSE
MW-13	9/27/2005	ND<5 U	FALSE
MW-13	3/27/2007	19	FALSE
MW-13	9/28/2007	24.7	FALSE
MW-13	3/27/2008	23.6	FALSE
MW-13	9/29/2008	ND<5 U	FALSE
MW-13	3/26/2009	ND<5 U	FALSE
MW-13	10/2/2009	ND<5 U	FALSE
MW-14	3/27/2007	16	FALSE
MW-14	9/28/2007	56.1	FALSE
MW-14	3/27/2008	30.3	FALSE
MW-14	9/30/2008	ND<5 U	FALSE
MW-14	3/26/2009	ND<5 U	FALSE
MW-14	10/2/2009	10.7	FALSE

Two-Sample Test of Proportions

Parameter: Zinc

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Background measurements = 22
Compliance measurements = 225
Comparison Level = 1050

0 background measurements exceed 1050
0 compliance measurements exceed 1050

p background = 0 = 0 / 22
p compliance = 0 = 0 / 225
p total = 0 = 0 / 247

nPs = 0 < 5.0
mPb = 0 < 5.0
n(1-Ps) = 225
m(1-Pb = 22

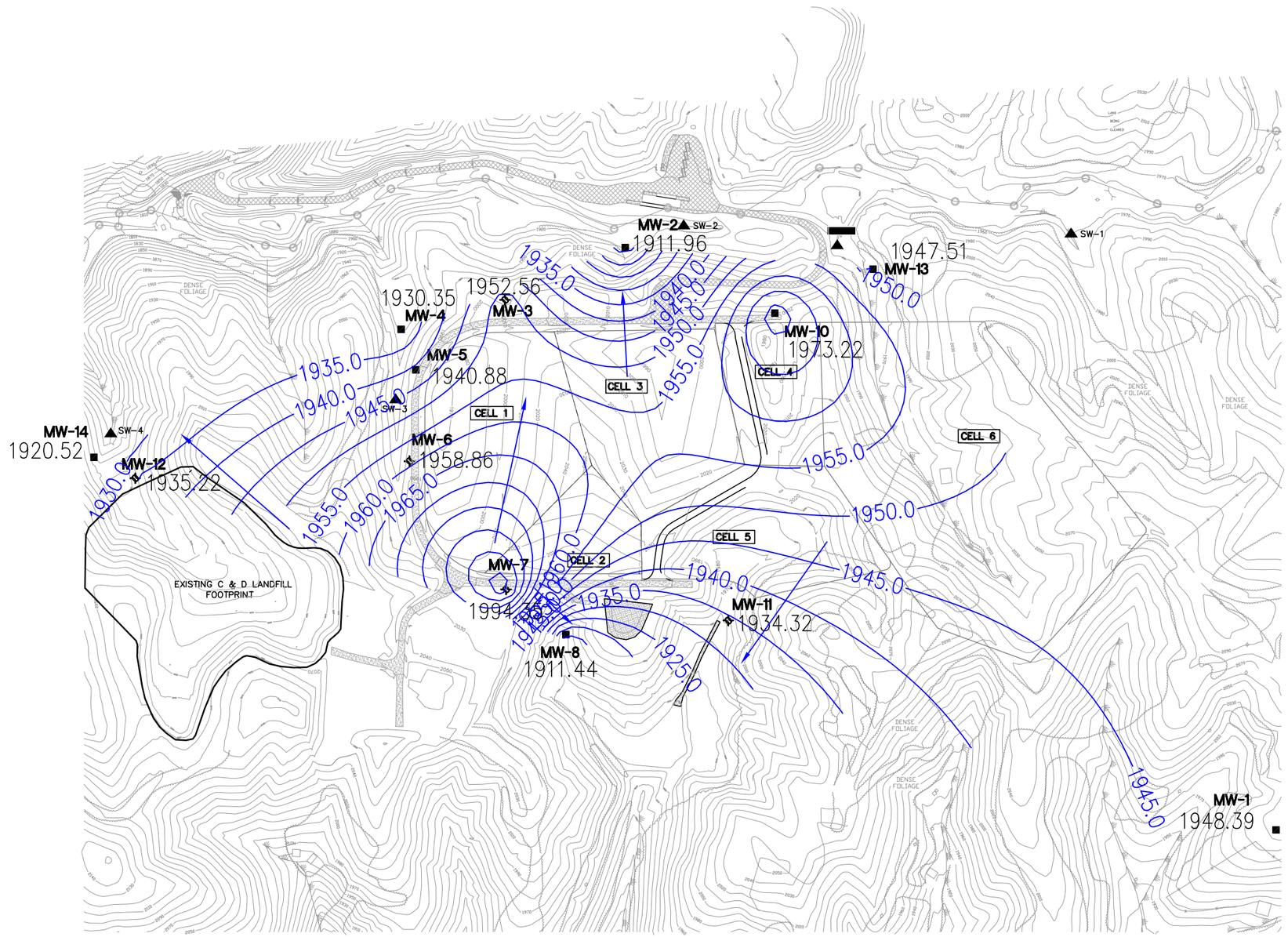
Divide by zero error.

Table 1. Groundwater Velocity Calcuations, New Buncombe County Landfill, Buncombe County, North Carolina.

MW-ID	Hydraulic Conductivity (feet/day)	Change in head (dh) (feet)	Distance between wells (dl)(feet)	Hydraulic Gradient (dh/dl) (feet)	Porosity (n_e)	Velocity (feet/day) (V)	Comments
MW-1	0.117				0.05		
MW-2	5.67	40.6	491	0.08	0.05	9.38	Between MW-3 to MW-2
MW-3	1.84	5	325	0.02	0.05	0.57	Between 1955.0 and 1950.0 contour
MW-4	1.42	10.53	163	0.06	0.05	1.83	Between MW-5 to MW-4
MW-5	2.75	10	151	0.07	0.05	3.64	Between 1940.0 and 1950.0 contour
MW-6	0.414	20	333	0.06	0.05	0.50	Between 1960.0 and 1980.0 contour
MW-7	0.201	82.91	282	0.29	0.05	1.18	Between MW-7 to MW-8
MW-8	0.0358	82.91	282	0.29	0.05	0.21	Between MW-7 to MW-8
MW-10	0.07	15	148	0.10	0.05	0.14	Between 1955.0 and 1970.0 contour
MW-11	0.915	10	272	0.04	0.05	0.67	Between 1935.0 and 1945.0 contour
MW-12	0.33	14.7	175	0.08	0.05	0.55	Between MW-12 and MW-14
MW-13	0.77	12.49	201	0.06	0.3	0.16	Between MW-13 and 1960.0 contour
MW-14	0.33	14.7	175	0.08	0.05	0.55	Between MW-12 and MW-14
MW-1D	0.0327	2	393	0.01	0.05	0.003	Between 1942.0 and 1944.0 contour
MW-2D	0.159	6	135	0.04	0.05	0.14	Between 1914.0 and 1920.0 contour
MW-4D	0.833	6	123	0.05	0.05	0.81	Between 1930.0 and 1936.0 contour
MW-5D	0.329	6	123	0.05	0.05	0.32	Between 1930.0 and 1936.0 contour
MW-8D	3.35	2	230	0.01	0.05	0.58	Between 1928.0 and 1930.0 contour
MW-10D	0.176	10	226	0.04	0.05	0.16	Between 1928.0 and 1938.0 contour
MW-11D	1.35	2	170	0.01	0.05	0.32	Between 1932.0 and 1934.0 contour
MW-12D					0.05		
MW-13D	0.28	2	230	0.01	0.05	0.05	Between 1928.0 and 1930.0 contour
MW-14D	0.04	13.62	150	0.09	0.05	0.07	Between MW-12 and MW-14

Notes:

1. dh calculations used nearest monitoring well water level data or a representative contour elevation values from Figures 1 (shallow) and 2 (deep) lying closest to the monitoring well for which groundwater velocity is listed.
2. Velocity calculation based on mondified Darcy equation.



MW-1	MONITORING WELL
MW-2 MW-2D	MONITORING WELL CLUSTER
M-1	METHANE GAS WELL
1911.44	WATER LEVEL ELEVATION (FT. AMSL)
1950.0	WATER LEVEL CONTOUR (FT. AMSL) (DASHED WHERE INFERRED)
	GROUNDWATER FLOW DIRECTION

REV	DATE	DESCRIPTION	BY

CERTIFICATE NO.

DRAWING TITLE
GROUNDWATER AND SURFACE WATER MONITORING WELL LOCATION MAP

PROJECT TITLE
OCTOBER 2009
NEW BUNCOMBE COUNTY LANDFILL
SHALLOW MONITORING WELLS

CLIENT
BUNCOMBE COUNTY
NORTH CAROLINA

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS
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PH (813) 621-0080 FAX NO. (813) 623-6757
FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004892

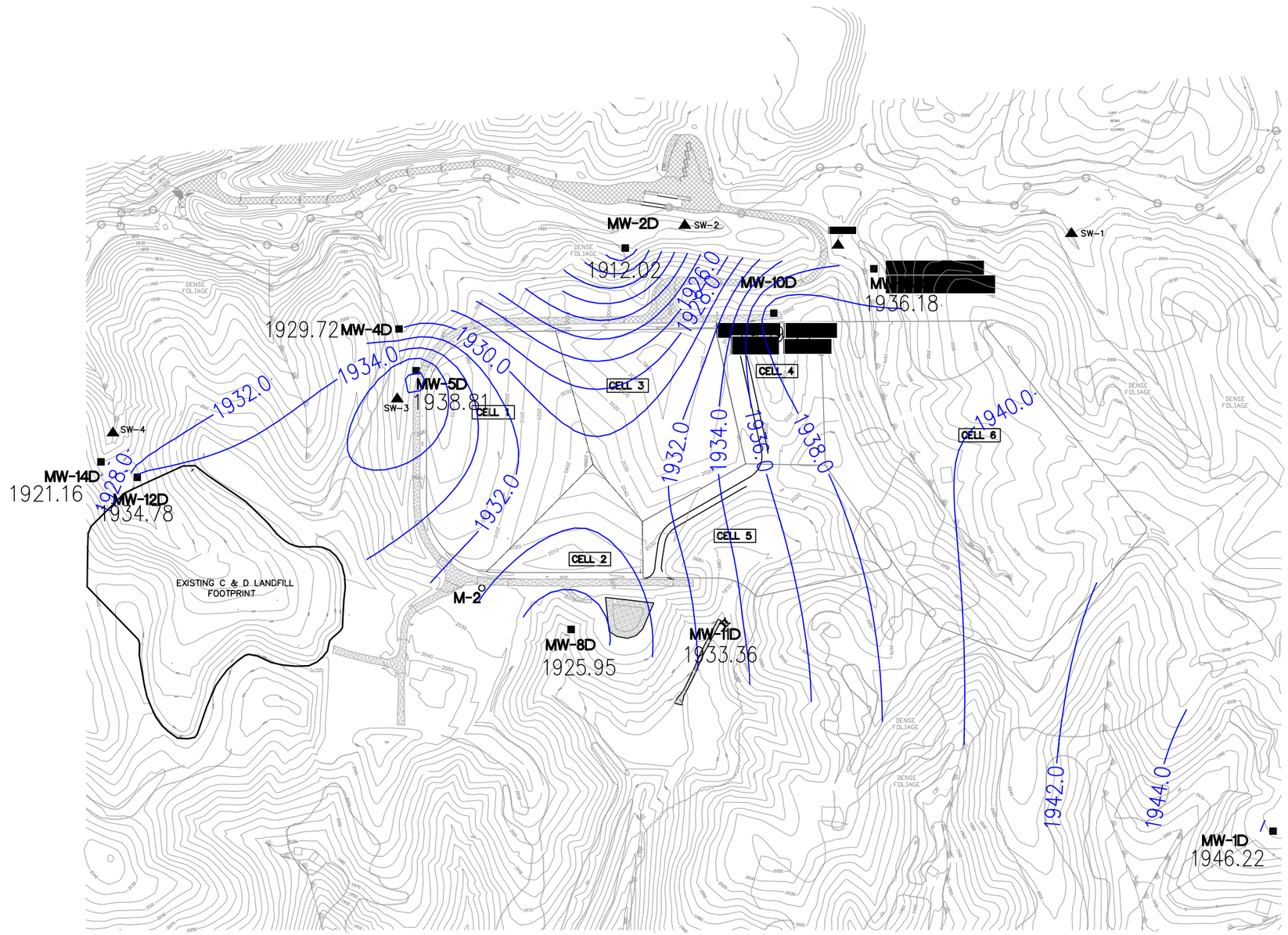
PROJ. NO. 09204072.01
DSN. BY: FBS&J
DWN. BY: JTK
CHK. BY: CEH
Q/A RVW. BY: CEH
APP. BY: CEH

CADD FILE: 047201SITE1

DATE: December 2009

SCALE: AS SHOWN

DRAWING NO.
1 of 1



LEGEND

✧ MW-1	MONITORING WELL
■ MW-2 MW-2D	MONITORING WELL CLUSTER
○ M-1	METHANE GAS WELL
1934.78	WATER LEVEL ELEVATION (FT. AMSL)
1932.0	WATER LEVEL CONTOUR (FT. AMSL) (DASHED WHERE INFERRED)
→	GROUNDWATER FLOW DIRECTION

REV	DATE	DESCRIPTION	BY

CERTIFICATE NO.

DRAWING TITLE
GROUNDWATER AND SURFACE WATER MONITORING WELL LOCATION MAP

PROJECT TITLE
OCTOBER 2009
NEW BUNCOMBE COUNTY LANDFILL
DEEP MONITORING WELLS

CLIENT
BUNCOMBE COUNTY
NORTH CAROLINA

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FLORIDA CERTIFICATE OF AUTHORIZATION NO. 00004892

PROJ. NO. 09204072.03 | DWN. BY: DKG | Q/A RVW. BY: KEG
DSN. BY: FBS&J | CHK. BY: KEG | APP. BY: KEG

CADD FILE: 047201SITE1

DATE: APRIL 2009

SCALE: AS SHOWN

DRAWING NO.
1 of 1