Vanchlor Landfill

LOCKPORT, NEW YORK

Periodic Review Report

NYSDEC Site Number: 932039

Property Contact:
Vanchlor Company, Inc.
45 Main Street
Lockport, New York 14094

FEBRUARY 2018
Revised June 2018

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1.1 SITE OVERVIEW

1.2 Site Location & Description

The site is located at 600 Mill Street in the Town of Lockport County of Niagara, New York and is identified as Block 1 and Lot 56.11 on the Town of Lockport Tax Map. The site is an approximately 5-acre area bounded by Mill Street to the north, Somerset Railroad Corp corridor to the southeast, Twin Lakes Chemical Inc. beyond the rail corridor to the east, Plank Road and the City of Lockport Waste Water Treatment facility to the west (see Figure 1-1). The site is monitored under the New York State Inactive Hazardous Waste Disposal Site Remedial Program administered by New York State Department of Environmental Conservation (NYSDEC).

1.3 Nature and Extent of Contamination Prior to Remediation

Based on the historic use of the Site, the NYSDEC designated the Site as a Class 4 Inactive Hazardous Waste Disposal Site (Site #932039), which indicates that the Site was properly closed, but requires continued management. Following the expiration of the Post-Closure RCRA Permit #9-2909-00049/0003 in September 2013, the NYSDEC requested that Vanchlor Company, Inc. {the current property holder) enter into an Order of Consent executed July 10, 2014 (Order). The Order has replaced the permit as the legal basis for continued fulfillment of operation, maintenance and monitoring requirements previously contained in the permit and to be consistent with the provisions of the existing deed restrictions on the property recorded with the Niagara County Clerk on October 5, 1999.

1.3 Site Remedial Program

Landfilling activities at the Site reportedly began in 1957 and continued until 1982 (from NYSDEC Module III, Part 373 Permit, July 2008). The landfilling activities reportedly consisted primarily of waste by- products from the manufacture of silicon tetrachloride. The landfilled wastes were deposited in 55-gallon drums and placed in trenches with crushed limestone (to enhance the neutralization of the acidic wastes).

In 1988, the landfill was closed in accordance with a NYSDEC approved Closure Plan that included the installation of a final cover system. The cover system consisted of two feet of compacted clay overlain by a drainage layer of sand and loam soil and planted with a vegetative cover.

The following construction activities were performed to complete the approved cover system:

- Site grading and proof rolling;
- Installation of a pan-lysimeter;
- Lime application;
- Installation of an interceptor trench in perimeter ditch;
- Construction of a two-foot clay cover including lining of ditch with clay;

- Addition of loam and sand drainage layers; and
- Addition of topsoil layer and seeding.

1.4 Purpose of Periodic Review Report

This Periodic Review Report (PRR) presents information on the maintenance, monitoring and compliance activities for the Class 4 Inactive Hazardous Waste Disposal Site (Site No. 932039) for the period from February 13, 2017 to February 13, 2018.

Required environmental elements under the Order of Consent are the development and implementation of the Site Management Plan (SMP) [Ref.1] incorporating required engineering and institutional controls.

Institutional Controls have been put in place to control potential exposure to remaining contamination during use of the site in the future and for the protection of public health and the environment. The ICs place restrictions on site use, and mandate maintenance and reporting measures for the ICs. Methods necessary to ensure compliance with the ICs are specified in the SMP for the Site and required by the Deed Restrictions for contamination that remains at the site. The SMP has been approved by the NYSDEC, and compliance with the approved plan is required by the grantor of the Deed Restriction and the grantor's successors and assigns. The SMP may only be revised with the approval of the NYSDEC.

The SMP provides a detailed description of the procedures required to manage remaining contamination at the site including: (1) implementation/management of the Engineering and Institutional Controls; and (2) performance of periodic monitoring and inspections, certification of results, and submittal of Periodic Review Reports.

The required elements of the Periodic Review Report are described in the SMP and include the periodic submittal of information, recommendations, and certifications to NYSDEC.

2.0 REMEDIAL SYSTEMS COMPLIANCE

There are no remedial treatment systems currently operating at the Inactive Hazardous Waste facility identified as Site No. 932039. Existing engineering controls for the Site consist of a clay lined drainage ditch leading to an interceptor trench for storm water management and a site wide cover system comprised of two feet of compacted clay overlain by a drainage layer of sand and loam soil with a vegetated cover.

The approved SMP requires the implementation of a long-term monitoring plan that incorporates annual groundwater and surface water analysis along with annual inspections of the site to assess the performance and effectiveness of the remedy. In particular, the annual inspections are to focus on the condition and integrity of the cover system, drainage ditch, and groundwater monitoring system. The results of the required monitoring activities and annual inspection are presented in Section 5 "Monitoring Plan Compliance Report".

3.1 ENGINEERING CONTROL COMPLIANCE

3.2 Introduction

3.2.1 General

Since hazardous waste remains within the Site, Engineering Controls (ECs) are required to protect human health and the environment. The Engineering Control Plan is a component of the SMP and describes the procedures for the implementation and management of all ECs at the site.

3.3 Description of Engineering Controls

Exposure to remaining contamination in soil/fill at the site is prevented by a soil cover system placed over the site. This cover system is comprised of a minimum of 24 inches of compacted clay with a permeability of 1 x 10-7 cm/sec overlain by a minimum of six inches of drainage layer consisting of sand and loam topped with vegetative growth. The Excavation Work Plan (Appendix C in the SMP) outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed and any underlying remaining contamination is disturbed. Procedures for the inspection and maintenance of the cover system are provided in the Monitoring Plan included in SMP for the Site.

Procedures for maintaining the soil cover system are documented in the Operation and Maintenance Plan section of the SMP for the Site. The Monitoring Plan also addresses severe condition inspections in the event that a severe condition, which may affect the cover system at the site, occurs.

3.3.1 Status of ECs

During the reporting period covered by this PRR, all ECs were in place and effective in meeting their objectives. The soil cover system is a permanent control, and the quality and integrity of this system was observed as part of the annual inspection in conjunction with the PRR. There are no corrective measures required to address deficiencies in the ECs at this time based on the results of the monitoring and annual inspection performed.

No intrusive work was performed on the Site during the period covered by this PRR.

4.1 INSTITUTIONAL CONTROL COMPLIANCE

4.2 Introduction

4.1.1 General

Since hazardous waste remains within the Site, Institutional Controls (ICs) are required to protect human health and the environment. The Institutional Control Plan is a component of the SMP and describes the procedures for the implementation and management of all ICs at the site. The goals of the ICs are to: (1) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (2) limit the use and development of the site to industrial uses only (the most restrictive use as defined in DER 10. Adherence to these Institutional Controls on the Site will be implemented under this Site Management Plan.

4.3 Description of Institutional Controls

The Institutional Controls are:

- Compliance with the Deed Restrictions and this SMP by the Granter and the Grantor's successors and assigns;
- Performance of environmental or public health monitoring as defined in this SMP, if applicable;
- Implementation and documentation of the soil/fill management procedures provided in the Excavation Work Plan (EWP), when required;
- Reporting of information pertinent to Site Management of the Controlled Property must be performed at the frequency and in a manner defined in this SMP;

The site has a series of Institutional Controls in the form of site restrictions. Site restrictions that apply to the Controlled Property are:

- The property may only be used for restricted industrial use provided that the long-term Institutional Controls included in this SMP are employed;
- The property may not be used for a higher level of use, such as restricted commercial use without additional remediation and amendment of the Deed Restriction, as approved by the NYSDEC**;**
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with this SMP;
- The use of the groundwater underlying the property is prohibited;
- Vegetable gardens and farming on the property are prohibited;
- The site owner or remedial party will submit to NYSDEC a written statement that certifies under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by the site owner or an expert that the NYSDEC finds acceptable.

The deed restriction summarizing the site use restrictions and requirements for the site was executed by the Department on March 6, 2013, and filed with the Erie County Clerk on July 15, 2013.

4.2.1 Status of ICs

During the reporting period covered by this PRR, all ICs were in place and effective in meeting their objectives. There are no corrective measures required to address deficiencies in the ICs at this time based on the results of the monitoring and annual inspection performed.

5.1 MONITORING PLAN COMPLIANCE REPORT

5.2 Introduction

5.2.1 General

The Monitoring Plan describes the measures for evaluating the conditions at the Site and conformance with the Deed Restrictions to reduce or mitigate impacts from residual contamination at the site, and affected site media identified below. This Monitoring Plan may only be revised with the approval of NYSDEC.

5.2.2 Schedule

In September 2014 Vanchlor petitioned the Department for a reduction in the frequency of groundwater and surface water sampling from a semi-annual to an annual basis. This request was approved on October 3, 2014. Therefore, under the Site Management Plan groundwater sampling commencing in 2015 is performed annually on the landfill monitoring well network established under the former Part 373 permit for the Site. Annual groundwater monitoring events and inspections of the groundwater monitoring system will be conducted to assess the performance and effectiveness of the remedy and the overall reduction in contamination on-site. The Monitoring program is summarized in Table 5-1 and results of the monitoring performed are discussed further in Section 5.2 below.

Table 5-1: Monitoring/Inspection Schedule

Monitoring Program	Frequency*	Matrix Description	Analysis
Annual Groundwater & Surface Water Monitoring	Annual (during 3rd quarter)	Sample groundwater from wells D-55, VDM-9R, VDM-10, VDM-11, VDM-12, and VDM-14R. Sample surface water from Eighteen Mile Creek (just downstream of Site)	VOCs, Method 8260 Metals, Method 6010 Chloride, 9251 pH, Method 9040
Annual Site & Groundwater System Inspection	Annual (during 3rd quarter)	Inspect cover system integrity, vegetation condition, ditch lining, security fence and signage, monitoring well condition	Check for iron staining in drainage ditch and visible seeps in the cliff face

• The frequency of events will be conducted as specified until otherwise approved by NYSDEC and NYSDOH

5.3 Monitoring Program Results

5.3.1 Groundwater and Surface Water Monitoring

Groundwater samples were collected on September 22, 2017 by Vanchlor in accordance with the Groundwater Monitoring Plan (Appendix E of the SMP). Samples were collected from four (4) on-Site well locations and one (1) off- Site location (refer to Figure 5-1 for monitoring

well locations. Surface Water Samples were collected from Eighteen Mile Creek at a location downstream from the Site, but upstream of the City of Lockport Wastewater treatment plant SPDES discharge point. **Refer to Figure 5-2 for the approximate location of the Eighteen Mile Creek surface water sample location.**

Groundwater and surface water samples were analyzed in accordance with the specified analytical methods described more fully in the SMP for Chloroform, 1,2-Dichloroethane, Trans-1,2-Dichloroethane, Methylene Chloride, 1,1,2,2-Tetrachloroethane, Tetrachloroethene, Trichloroethene, Vinyl Chloride, Toluene, Chromium, Copper, Iron, Zinc, Chloride, and pH. The analytical results from the September 2017 sampling event are summarized and compared to NYSDEC groundwater and surface water standards respectively (NYSDEC 1998) in Table 5-2.

Several detections were noted in groundwater above NYSDEC Class GA Groundwater Standards during the annual sampling event conducted during the period covered by the PRR. Detections of Volatile Organic Compounds above groundwater standards include Chloroform and 1,2 Dichloroethane in VDM-10, as well as all VOCs analyzed for except Methylene Chloride in VDM-14R; however, the VDM-14R sample was qualified due to dilution. No exceedances of VOCs in monitored wells VDM-9R, VDM-11 and D-55 were detected.

No detections of volatile organics were found in the Eighteen Mile Creek surface water samples. Iron was found in all wells, and Eighteen Mile Creek surface waters above NYSDEC surface water standards during the September 2017 sampling event. Chloride was detected in VDM-9R, -10, -11, and -14R above NYSDEC ground water standards during the September 2017 sampling event.

A copy of the laboratory analytical report for all groundwater and surface water analyses performed is attached in Appendix A. A copy of the updated graphical historical trend analyses for each parameter at each monitoring location are also provided in Appendix A**. Each trend graph has been updated to include the best fit 1-year moving average trend line.**

5.4 Site Inspection Results

An annual inspection was performed in September 2017 in accordance with the SMP Monitoring Program requirements. A "Landfill/Groundwater Monitoring System Inspection" form was completed (Appendix B) during the monitoring event. The form compiles sufficient information to assess the following:

- Compliance with all EC/ICs, including site usage;
- General site conditions at the time of the inspection; and,
- The site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection.

All areas of the Site were carefully inspected to assess the condition of cover system and groundwater monitoring system integrity to determine if evidence of erosion or related deterioration of the site soils. No erosion or deterioration in any areas was noted in the September Site Inspection report. No corrective

actions were noted to address or otherwise correct the problem(s) identified during the inspection during the reporting period of this PRR.

5.5 Conclusions and Recommendations

At the time of the annual inspection, the Site was fully compliant with Engineering and Institutional controls fully described in the SMP. The majority of monitoring results were below NYSDEC standards and/or exhibited neutral or decreasing concentrations in both Site groundwater and surface water. Historically VOCs analyzed for and detected in VDM-14R have exceeded NYS groundwater standards and continue to do so based on the 2017 sampling results. The concentration trends for individual constituents have fluctuated (both increasing and decreasing) since monitoring began in 1985, however downgradient concentrations of VOCs in wells VDM-9 (former), VDM-9R and VDM -10 as well as surface water collected in Eighteen Mile Creek consistently demonstrate that the localized contamination in the vicinity of VDM-14R is not impacting potential off-site receptors. Therefore, no changes to the monitoring and inspection program are recommended or proposed at this time.

6.0 OVERALL CONCLUSIONS AND RECOMMENDATIONS

Based on the initial monitoring and inspection results described in Section 5 and conducted during the time-frame covered by this PRR, compliance with all relevant components of the SMP EC/ICs were achieved.

The groundwater and surface water sampling completed to date has assessed the long term trends of contaminant concentrations to evaluate the performance of the remedy. Groundwater and surface water sample results over the last thirty (30) years, and the overall condition of the site and integrity of the soil cover system provide evidence that the remedy is achieving its intended goals of minimizing, to the extent feasible, exposure of remaining contamination to the environment through groundwater and surface water runoff and associated sediment erosion.

The next annual SMP monitoring event is scheduled for the third quarter of 2018, an inspection of the landfill cover system, including drainage, vegetative cover, indications of erosion or other deterioration of the soil cover, security fencing and the condition of monitoring wells will be performed in conjunction with this sampling and monitoring event.

7.1 REFERENCES

1. Golder Associates Inc., *Site Management Plan, Vanchlor Company, Inc., NYSDEC Site No. 932039,* prepared for Vanchlor Company, Inc., January 2015.

TABLE 5-2

(TABLE 5-1 IN TEXT)

TABLE 5-2
SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER AND SURFACE WATER SAMPLING

PERIODIC REVIEW REPORT

SITE# 932039 • VANCHLOR COMPANY NC
LOCKPORT, NY

Lab ID	NYSDEC Class GA Groundwater Standards (ug/L)	NYSDEC Class A, A-S, AA, AA-S Surface Water Standards/Guidance Values (ug/L)	L1733895-06			L1733895-01			L1733895-02			L1733895-03			L1733895-05		L1733895-04	
Sample ID			VDM-9R			VDM-10			VDM-11			VDM-14			D-55		Eighteen Mile Creek	
Sample Date			9/22/2017		Trend	9/22/2017		Trend	9/22/2017		Trend	9/22/2017		Trend	9/22/2017		9/22/2017	
Sample Matrix			Water			Water			Water			Water			Water		Water	
Units			ug/L			ug/L			ug/L			ug/L			ug/L		ug/L	
Volatile Organic Compounds (VOCs)				Qualifiers			Qualifiers			Qualifiers			Qualifiers			Qualifiers		Qualifiers
Chloroform	7	7	2.5		Neutral [2]	16		Increasing	2.5		Decreasing [2]	28	D	Decreasing	2.5 [2]		2.5 [2]	
1,2-Dichloroethane	0.6	0.6	0.5		Neutral [1]	1.2		Decreasing	0.16		Decreasing	6.3	D	Decreasing	0.5 [2]		0.5 [2]	
Trans-1,2-Dichloroethane	5	5	2.5		Neutral [2]	2.5		Neutral [1]	2.5		Neutral [1]	11	D	Decreasing	2.5 [2]		2.5 [2]	
Methylene Chloride	5	5	2.5		Neutral [1]	1.2		Neutral [1]	2.5		Neutral [1]	4.3	D	Neutral	2.5 [2]		2.5 [2]	
1,1,2,2-Tetrachloroethane	5	0.2	0.5		Neutral [1]	0.19		Neutral [1]	0.57		Neutral [1]	54	D	Decreasing	0.18	J	0.5 [2]	
Tetrachloroethene	5	0.7	5		Neutral	0.5		Neutral [1]	4.2		Neutral	200	D	Neutral	0.22	J	0.5 [2]	
Trichloroethene	5	5	0.55		Decreasing	0.3		Decreasing	0.92		Decreasing	55	D	Increasing	0.5 [2]		0.5 [2]	
Vinyl Chloride	2	0.3	0.07		Decreasing	1		Neutral [1]	1		Neutral [1]	21	D	Neutral	1.0 [2]		1.0 [2]	
Toluene	5	5	2.5		Neutral [1]	0.74		Neutral [1]	2.5		Neutral [1]	10	D	Neutral [2]	2.5 [2]		2.5 [2]	
Metals																		
Chloride	250,000	250,000	7,400,000	D		6,400,000	D		1,200,000	D		3,600,000	D		17,000		38,000	
Chromium	100	50	15.71		Neutral	2.84		Decreasing	5.69		Decreasing	249.3		Decreasing	5.58		0.51	
Copper	1,000	200	402.5		Increasing	92.33		Decreasing	109.3		Decreasing	224		Decreasing	6.21		3.79	
Iron	300	300	123,000			3,300			6,720			344,000			844		340	
Zinc	2,000	2,000	133.9		Decreasing	278.4		Decreasing	34.06		Neutral	637.6		Decreasing	29.35		5.87	

Footnotes:

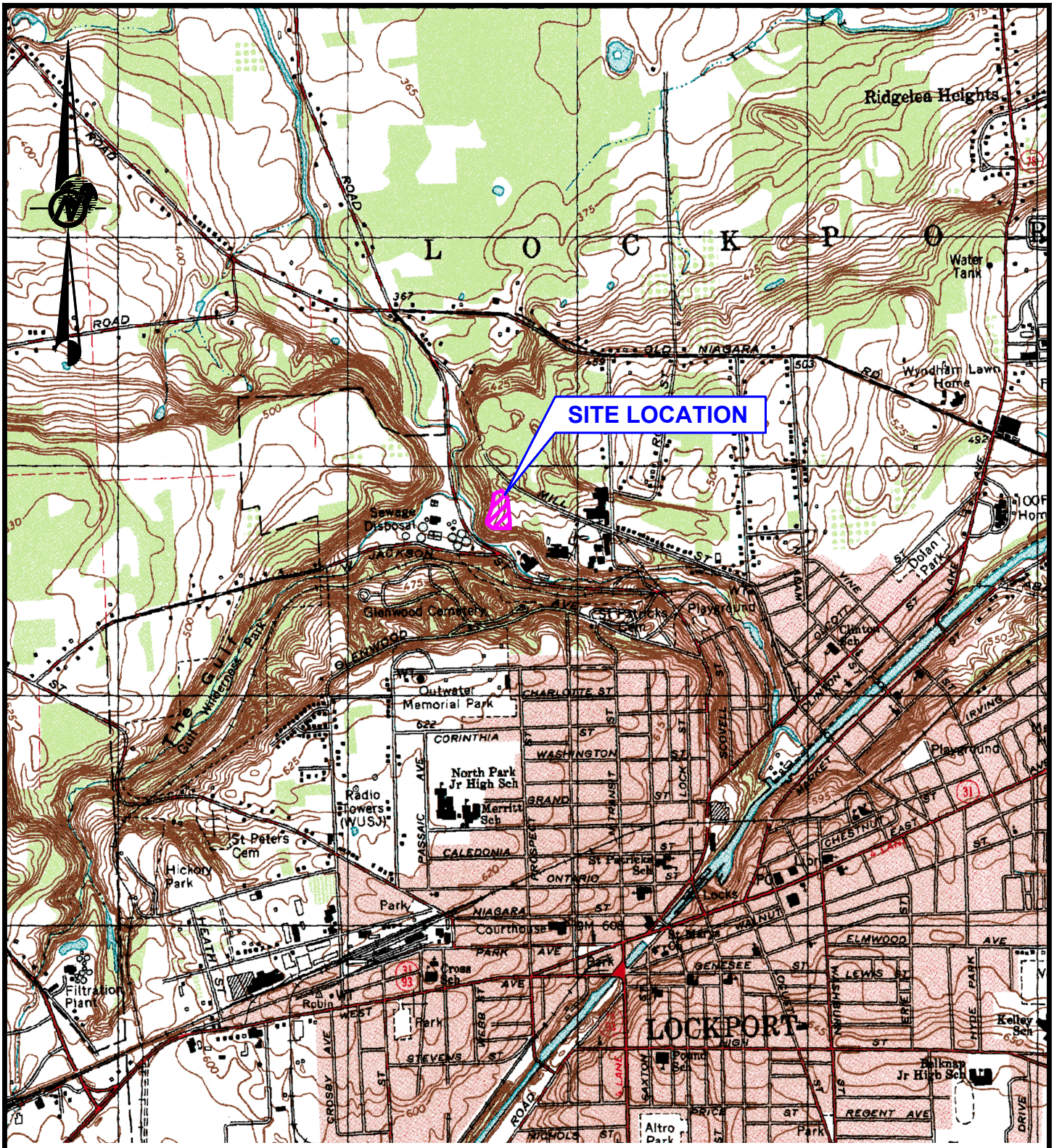
Trend Definitions:

Increasing - significant increasing trend identified on the plot for that parameter.
Decreasing - significant decreasing trend identified on the plot for that parameter.
Neutral - no significant increasing or decreasing trend identified on the plot for that parameter.

= Value exceeds NYSDEC Glass GA Groundwater /NYSDEC Class A, A-S, AA, AA-S Surface Water Standard D = Sample diluted.

[1] = Latest 3-5 years (or more) have been non-detect for parameter.
[2] = Non-detect for parameter this sampling event.

FIGURES



REFERENCES

1.) BASE MAP TAKEN FROM U.S.G.S. 7.5 MINUTE QUADRANGLE OF LOCKPORT, NEW YORK DATED 1980.

GOLDER

SCALE	AS SHOWN
DATE	06/06/18
DESIGN	KMC
CADD	RWC
CHECK	
REVIEW	

FILE No. 18102371
PROJECT No. 18102371 REV. 0

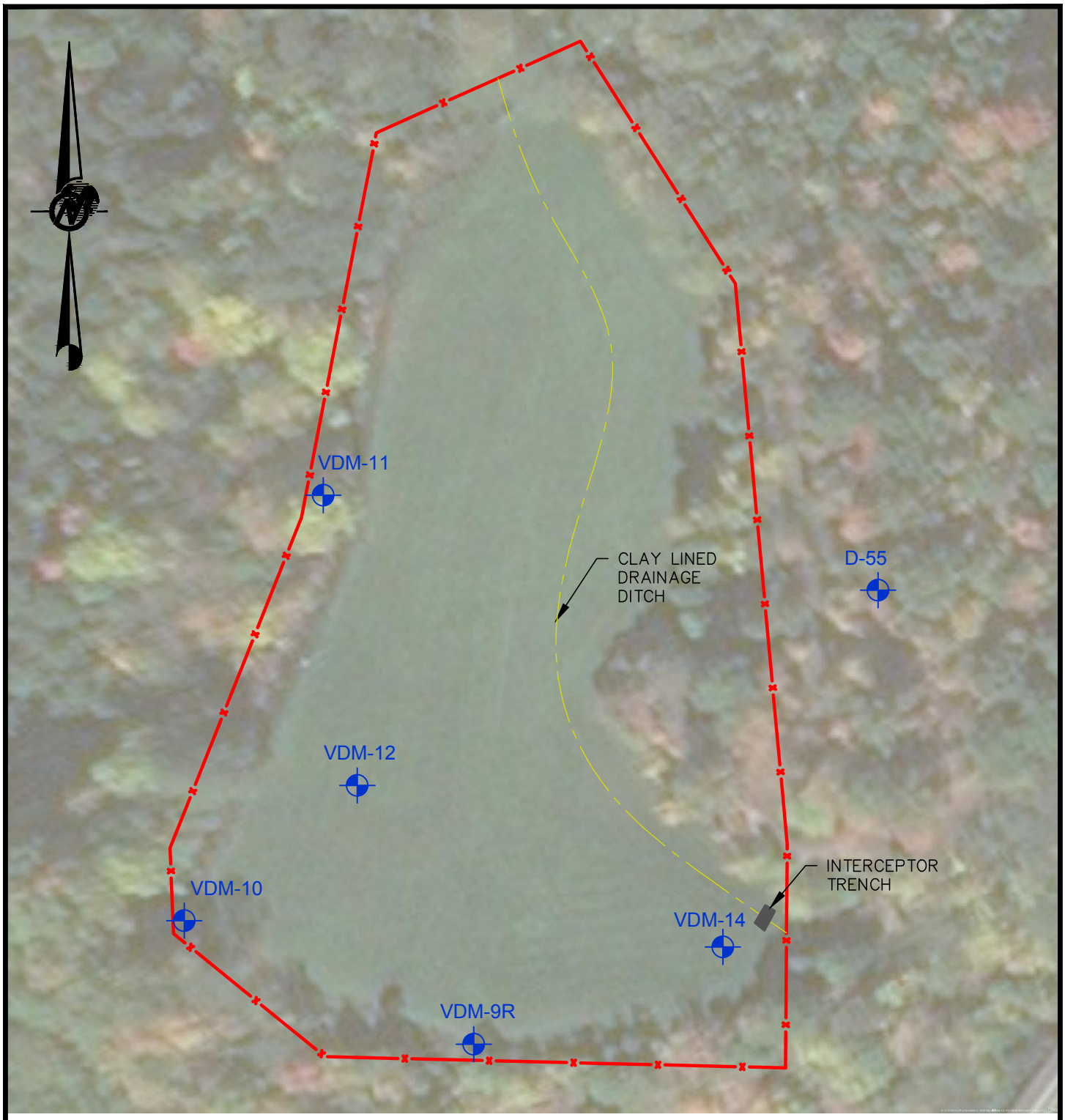
TITLE

SITE VICINITY MAP

VANCHLOR COMPANY INC.

FIGURE 1-1

Drawing file: 18102371001.dwg Jun 06, 2018 – 5:00pm



LEGEND

FENCE / APPROXIMATE SITE PROPERTY LINE

VDM-9R MONITORING WELL APPROXIMATE LOCATION

REFERENCES

1.) BASE MAP GENERATED FROM BING AERIAL IMAGERY.

75 0 75

SCALE FEET

GOLDER

SCALE	AS SHOWN
DATE	06/06/18
DESIGN	KMC
CADD	RWC
CHECK	
REVIEW	

FILE No. 18102371001

PROJECT No. 18102371 REV. 0

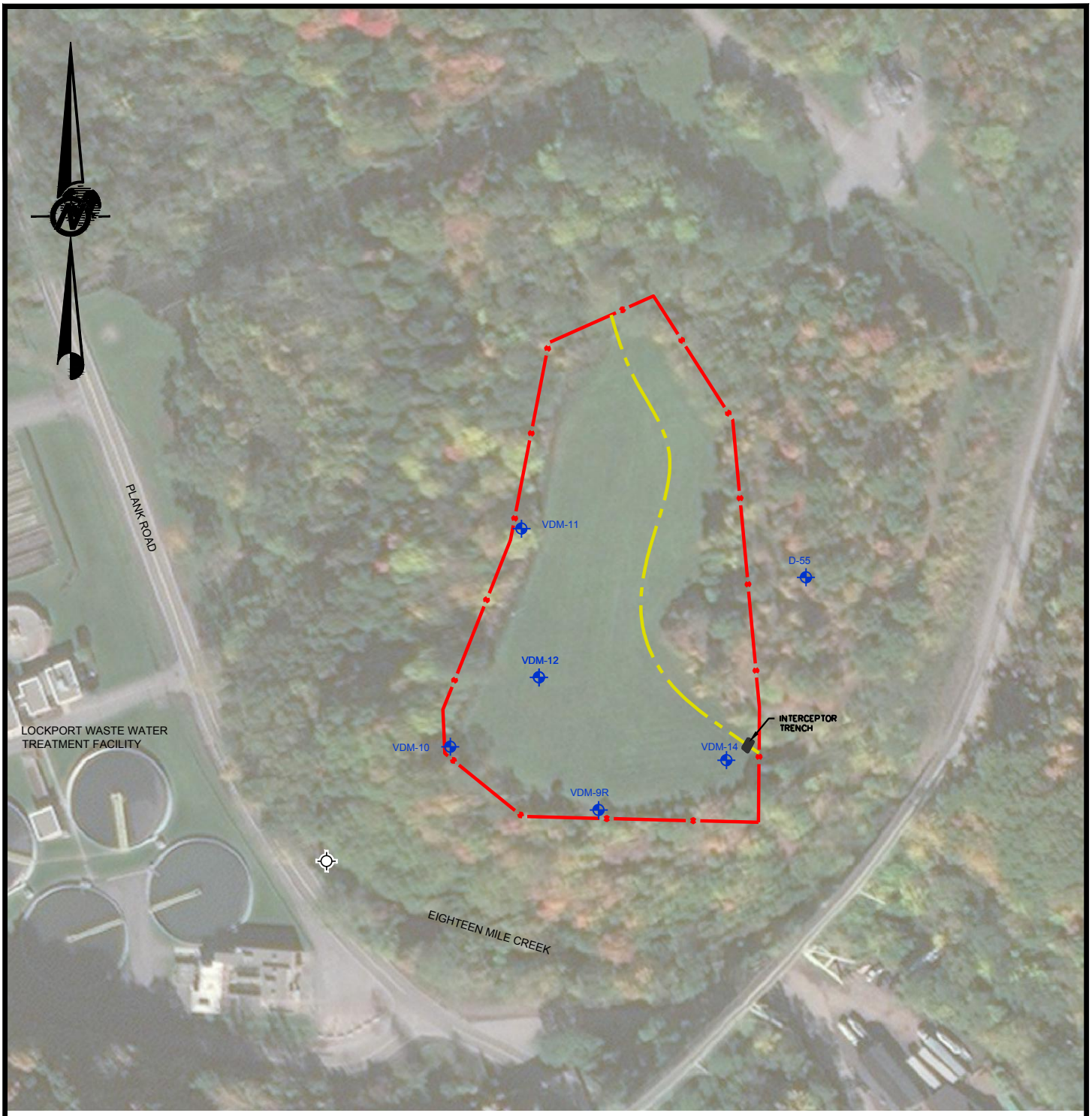
TITLE

GROUNDWATER SAMPLE LOCATIONS
VANCHLOR LANDFILL

VANCHLOR COMPANY INC.

FIGURE 5-1

Drawing file: 18102371001.dwg Jun 06, 2018 - 4:45pm



LEGEND

FENCE / APPROXIMATE SITE PROPERTY LINE

VDM-9R MONITORING WELL APPROXIMATE LOCATION

APPROXIMATE SURFACE WATER SAMPLE LOCATION

150 0 150

SCALE FEET

REFERENCES

1.) BASE MAP GENERATED FROM BING AERIAL IMAGERY.
2.) ELEVATIONS ARE BASED ON SITE DATUM.

GOLDER

FILE No.	18102371002
PROJECT No.	18102371
REV.	0

SCALE	AS SHOWN
DATE	06/06/18
DESIGN	KMC
CADD	RWC
CHECK	KMC
REVIEW	PTM

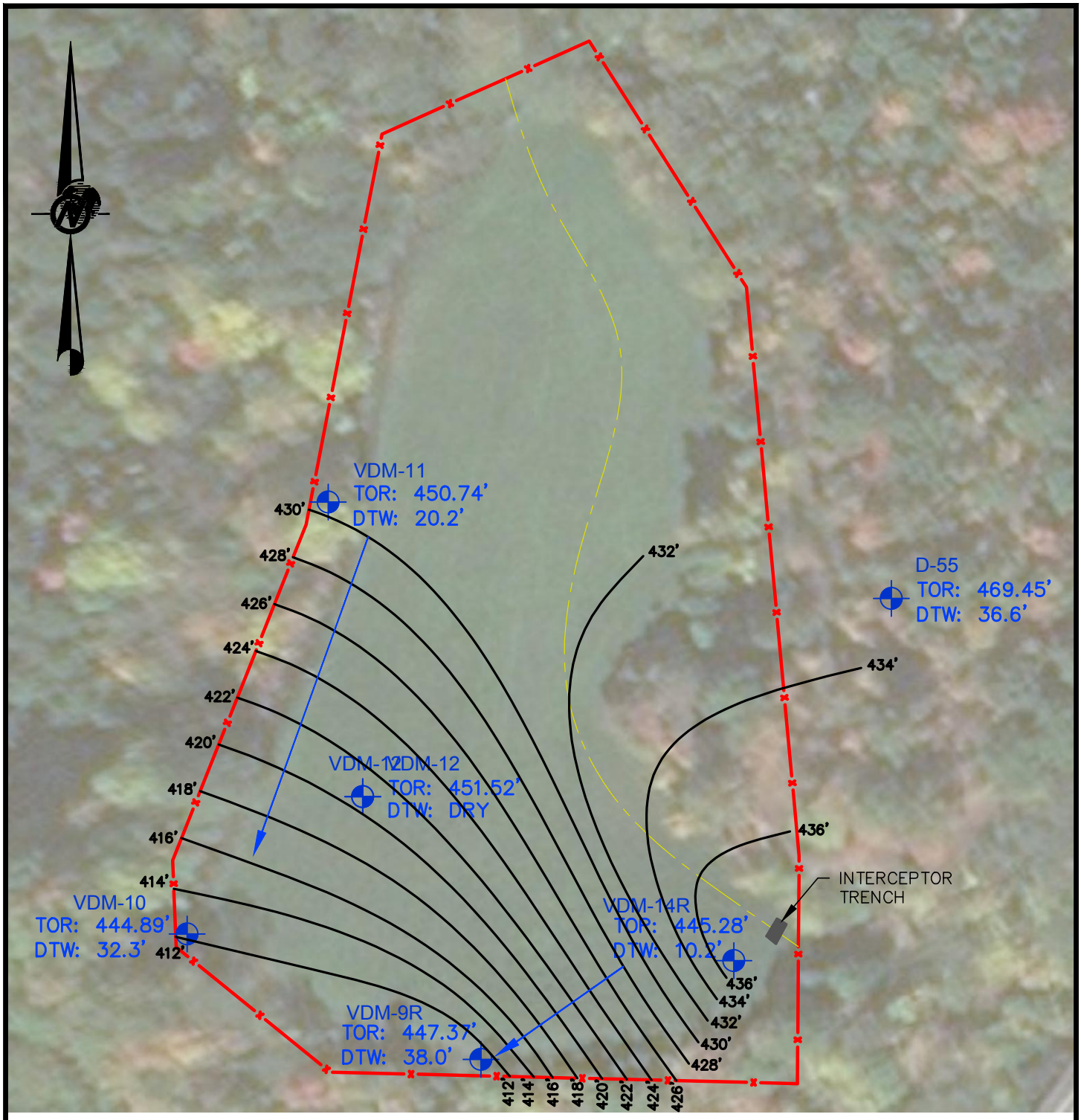
TITLE

EIGHTEEN MILE CREEK SURFACE WATER SAMPLE LOCATION
VANCHLOR LANDFILL

VANCHLOR CO. INC.

FIGURE **5-2**

Drawing file: 18102371002.dwg Jun 07, 2018 - 9:27am



LEGEND

- FENCE / APPROXIMATE SITE PROPERTY LINE
- VDM-9R — MONITORING WELL APPROXIMATE LOCATION
- GROUNDWATER FLOW DIRECTION (APPROX.)

75 0 75
SCALE FEET

REFERENCES

1.) BASE MAP GENERATED FROM BING AERIAL IMAGERY.
2.) ELEVATIONS ARE BASED ON SITE DATUM.
3.) WATER ELEVATIONS PER SEPT. 21, 2017 SAMPLING EVENT.

GOLDER

FILE No.	18102371002
PROJECT No.	18102371
REV.	0

SCALE	AS SHOWN
DATE	06/06/18
DESIGN	KMC
CADD	RWC
CHECK	KMC
REVIEW	PTM

TITLE

GROUNDWATER ISOPOTENTIAL MAP
VANCHLOR LANDFILL

VANCHLOR CO. INC.

FIGURE 5-3

Drawing file: 181025/1001.dwg Jun 12, 2018 - 11:19am

APPENDIX A

ANALTICAL DATA REPORT &
HISTORICAL PARAMETER TREND ANALYSES

ANALYTICAL REPORT

Lab Number:	L1733895
Client:	VandeMark Chemical, Inc. 1 North Transit Road. Lockport, NY 14094-2399
ATTN:	Jim Wrazen
Phone:	(716) 433-6764
Project Name:	ANNUAL GROUNDWATER MONITORING
Project Number:	Not Specified
Report Date:	10/09/17

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: ANNUAL GROUNDWATER MONITORING
Project Number: Not Specified

Lab Number: L1733895
Report Date: 10/09/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1733895-01	VDM-10	WATER	LOCKPORT, NY	09/22/17 08:55	09/22/17
L1733895-02	VDM-11	WATER	LOCKPORT, NY	09/22/17 08:40	09/22/17
L1733895-03	VDM-14	WATER	LOCKPORT, NY	09/22/17 09:20	09/22/17
L1733895-04	EIGHTEEN MILE CREEK	WATER	LOCKPORT, NY	09/22/17 10:15	09/22/17
L1733895-05	D-55	WATER	LOCKPORT, NY	09/22/17 09:45	09/22/17
L1733895-06	VDM-9	WATER	LOCKPORT, NY	09/22/17 09:10	09/22/17
L1733895-07	FIELD DUP	WATER	LOCKPORT, NY	09/22/17 08:55	09/22/17
L1733895-08	TRIP BLANK	WATER	LOCKPORT, NY	09/22/17 00:00	09/22/17

Project Name: ANNUAL GROUNDWATER MONITORING **Lab Number:** L1733895
Project Number: Not Specified **Report Date:** 10/09/17

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	ANNUAL GROUNDWATER MONITORING	**Lab Number:**	L1733895
Project Number:	Not Specified	**Report Date:**	10/09/17

Case Narrative (continued)

Report Revision

October 09, 2017: The Volatile Organics analyte list has been amended on L1733895-01 through -08 to include 1,2-Dichloroethane.

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Please note that this report format does not contain typical QC parameters that were performed with these samples. As such, any QC outliers or non-conformances can only be reviewed by accessing your Alpha Customer Center account at www.alphalab.com and building a Data Usability table (format 11) in our Data Merger tool.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Melissa Cripps

Title: Technical Director/Representative Date: 10/09/17

VOLATILES

Project Name: ANNUAL GROUNDWATER MONITORING **Lab Number:** L1733895

Project Number: Not Specified **Report Date:** 10/09/17

SAMPLE RESULTS

Lab ID: L1733895-01
Client ID: VDM-10
Sample Location: LOCKPORT, NY

Date Collected: 09/22/17 08:55
Date Received: 09/22/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/30/17 14:00
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	1.2	J	ug/l	2.5	0.70	1
Chloroform	16		ug/l	2.5	0.70	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloroethane	1.2		ug/l	0.50	0.13	1
1,1,2,2-Tetrachloroethane	0.19	J	ug/l	0.50	0.17	1
Toluene	0.74	J	ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.30	J	ug/l	0.50	0.18	1
Bromochloromethane	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	105		70-130

Project Name: ANNUAL GROUNDWATER MONITORING **Lab Number:** L1733895

Project Number: Not Specified **Report Date:** 10/09/17

SAMPLE RESULTS

Lab ID: L1733895-02
Client ID: VDM-11
Sample Location: LOCKPORT, NY

Date Collected: 09/22/17 08:40
Date Received: 09/22/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/30/17 14:33
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
Chloroform	2.5		ug/l	2.5	0.70	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	4.2		ug/l	0.50	0.18	1
1,2-Dichloroethane	0.16	J	ug/l	0.50	0.13	1
1,1,2,2-Tetrachloroethane	0.57		ug/l	0.50	0.17	1
Toluene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.92		ug/l	0.50	0.18	1
Bromochloromethane	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	104		70-130

Project Name: ANNUAL GROUNDWATER MONITORING **Lab Number:** L1733895

Project Number: Not Specified **Report Date:** 10/09/17

SAMPLE RESULTS

Lab ID: L1733895-03 D
Client ID: VDM-14
Sample Location: LOCKPORT, NY

Date Collected: 09/22/17 09:20
Date Received: 09/22/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/30/17 15:07
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	4.3	J	ug/l	10	2.8	4
Chloroform	28		ug/l	10	2.8	4
1,1,2-Trichloroethane	24		ug/l	6.0	2.0	4
Tetrachloroethene	200		ug/l	2.0	0.72	4
1,2-Dichloroethane	6.3		ug/l	2.0	0.53	4
1,1,2,2-Tetrachloroethane	54		ug/l	2.0	0.67	4
Toluene	ND		ug/l	10	2.8	4
Vinyl chloride	21		ug/l	4.0	0.28	4
trans-1,2-Dichloroethene	11		ug/l	10	2.8	4
Trichloroethene	55		ug/l	2.0	0.70	4
Bromochloromethane	ND		ug/l	10	2.8	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	106		70-130

Project Name: ANNUAL GROUNDWATER MONITORING **Lab Number:** L1733895

Project Number: Not Specified **Report Date:** 10/09/17

SAMPLE RESULTS

Lab ID: L1733895-04
Client ID: EIGHTEEN MILE CREEK
Sample Location: LOCKPORT, NY

Date Collected: 09/22/17 10:15
Date Received: 09/22/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/30/17 15:40
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Toluene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
Bromochloromethane	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	104		70-130

Project Name: ANNUAL GROUNDWATER MONITORING **Lab Number:** L1733895

Project Number: Not Specified **Report Date:** 10/09/17

SAMPLE RESULTS

Lab ID: L1733895-05
Client ID: D-55
Sample Location: LOCKPORT, NY

Date Collected: 09/22/17 09:45
Date Received: 09/22/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/30/17 16:13
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.22	J	ug/l	0.50	0.18	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,2,2-Tetrachloroethane	0.18	J	ug/l	0.50	0.17	1
Toluene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
Bromochloromethane	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	104		70-130

Project Name: ANNUAL GROUNDWATER MONITORING **Lab Number:** L1733895

Project Number: Not Specified **Report Date:** 10/09/17

SAMPLE RESULTS

Lab ID: L1733895-06
Client ID: VDM-9
Sample Location: LOCKPORT, NY

Date Collected: 09/22/17 09:10
Date Received: 09/22/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/30/17 16:47
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	5.0		ug/l	0.50	0.18	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Toluene	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.07	J	ug/l	1.0	0.07	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.55		ug/l	0.50	0.18	1
Bromochloromethane	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	105		70-130

Project Name: ANNUAL GROUNDWATER MONITORING **Lab Number:** L1733895

Project Number: Not Specified **Report Date:** 10/09/17

SAMPLE RESULTS

Lab ID: L1733895-07
Client ID: FIELD DUP
Sample Location: LOCKPORT, NY

Date Collected: 09/22/17 08:55
Date Received: 09/22/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/02/17 11:52
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	0.96	J	ug/l	2.5	0.70	1
Chloroform	13		ug/l	2.5	0.70	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloroethane	1.5		ug/l	0.50	0.13	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Toluene	0.85	J	ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.36	J	ug/l	0.50	0.18	1
Bromochloromethane	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	106		70-130

Project Name: ANNUAL GROUNDWATER MONITORING **Lab Number:** L1733895

Project Number: Not Specified **Report Date:** 10/09/17

SAMPLE RESULTS

Lab ID: L1733895-08
Client ID: TRIP BLANK
Sample Location: LOCKPORT, NY

Date Collected: 09/22/17 00:00
Date Received: 09/22/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/29/17 21:20
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Toluene	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
Bromochloromethane	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	105		70-130

METALS

Project Name: ANNUAL GROUNDWATER MONITORING
Lab Number: L1733895
Project Number: Not Specified
Report Date: 10/09/17

SAMPLE RESULTS

Lab ID: L1733895-01
Client ID: VDM-10
Sample Location: LOCKPORT, NY
Matrix: Water

Date Collected: 09/22/17 08:55
Date Received: 09/22/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Chromium, Total	0.00284		mg/l	0.00100	0.00017	1	09/26/17 17:55	09/27/17 15:27	EPA 3005A	1,6020A	AM
Copper, Total	0.09233		mg/l	0.00100	0.00038	1	09/26/17 17:55	09/27/17 15:27	EPA 3005A	1,6020A	AM
Iron, Total	3.30		mg/l	0.0500	0.0191	1	09/26/17 17:55	09/27/17 15:27	EPA 3005A	1,6020A	AM
Zinc, Total	0.2784		mg/l	0.01000	0.00341	1	09/26/17 17:55	09/27/17 15:27	EPA 3005A	1,6020A	AM

Project Name: ANNUAL GROUNDWATER MONITORING
Lab Number: L1733895
Project Number: Not Specified
Report Date: 10/09/17

SAMPLE RESULTS

Lab ID: L1733895-02
Client ID: VDM-11
Sample Location: LOCKPORT, NY
Matrix: Water

Date Collected: 09/22/17 08:40
Date Received: 09/22/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Chromium, Total	0.00569		mg/l	0.00100	0.00017	1	09/26/17 17:55	09/27/17 15:35	EPA 3005A	1,6020A	AM
Copper, Total	0.1093		mg/l	0.00100	0.00038	1	09/26/17 17:55	09/27/17 15:35	EPA 3005A	1,6020A	AM
Iron, Total	6.72		mg/l	0.0500	0.0191	1	09/26/17 17:55	09/27/17 15:35	EPA 3005A	1,6020A	AM
Zinc, Total	0.03406		mg/l	0.01000	0.00341	1	09/26/17 17:55	09/27/17 15:35	EPA 3005A	1,6020A	AM

Project Name: ANNUAL GROUNDWATER MONITORING
Lab Number: L1733895
Project Number: Not Specified
Report Date: 10/09/17

SAMPLE RESULTS

Lab ID: L1733895-03
Client ID: VDM-14
Sample Location: LOCKPORT, NY
Matrix: Water

Date Collected: 09/22/17 09:20
Date Received: 09/22/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Chromium, Total	0.2493		mg/l	0.00100	0.00017	1	09/26/17 17:55	09/27/17 15:39	EPA 3005A	1,6020A	AM
Copper, Total	0.2240		mg/l	0.00100	0.00038	1	09/26/17 17:55	09/27/17 15:39	EPA 3005A	1,6020A	AM
Iron, Total	344.		mg/l	0.0500	0.0191	1	09/26/17 17:55	09/27/17 15:39	EPA 3005A	1,6020A	AM
Zinc, Total	0.6376		mg/l	0.01000	0.00341	1	09/26/17 17:55	09/27/17 15:39	EPA 3005A	1,6020A	AM

Project Name: ANNUAL GROUNDWATER MONITORING
Lab Number: L1733895
Project Number: Not Specified
Report Date: 10/09/17

SAMPLE RESULTS

Lab ID: L1733895-04
Client ID: EIGHTEEN MILE CREEK
Sample Location: LOCKPORT, NY
Matrix: Water

Date Collected: 09/22/17 10:15
Date Received: 09/22/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Chromium, Total	0.00051	J	mg/l	0.00100	0.00017	1	09/26/17 17:55	09/27/17 15:43	EPA 3005A	1,6020A	AM
Copper, Total	0.00379		mg/l	0.00100	0.00038	1	09/26/17 17:55	09/27/17 15:43	EPA 3005A	1,6020A	AM
Iron, Total	0.340		mg/l	0.0500	0.0191	1	09/26/17 17:55	09/27/17 15:43	EPA 3005A	1,6020A	AM
Zinc, Total	0.00587	J	mg/l	0.01000	0.00341	1	09/26/17 17:55	09/27/17 15:43	EPA 3005A	1,6020A	AM

Project Name: ANNUAL GROUNDWATER MONITORING
Lab Number: L1733895
Project Number: Not Specified
Report Date: 10/09/17

SAMPLE RESULTS

Lab ID: L1733895-05
Client ID: D-55
Sample Location: LOCKPORT, NY
Matrix: Water

Date Collected: 09/22/17 09:45
Date Received: 09/22/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Chromium, Total	0.00558		mg/l	0.00100	0.00017	1	09/26/17 17:55	09/27/17 15:46	EPA 3005A	1,6020A	AM
Copper, Total	0.00621		mg/l	0.00100	0.00038	1	09/26/17 17:55	09/27/17 15:46	EPA 3005A	1,6020A	AM
Iron, Total	0.844		mg/l	0.0500	0.0191	1	09/26/17 17:55	09/27/17 15:46	EPA 3005A	1,6020A	AM
Zinc, Total	0.02935		mg/l	0.01000	0.00341	1	09/26/17 17:55	09/27/17 15:46	EPA 3005A	1,6020A	AM

Project Name: ANNUAL GROUNDWATER MONITORING
Lab Number: L1733895
Project Number: Not Specified
Report Date: 10/09/17

SAMPLE RESULTS

Lab ID: L1733895-06
Client ID: VDM-9
Sample Location: LOCKPORT, NY
Matrix: Water

Date Collected: 09/22/17 09:10
Date Received: 09/22/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Chromium, Total	0.01571		mg/l	0.00100	0.00017	1	09/26/17 17:55	09/27/17 15:50	EPA 3005A	1,6020A	AM
Copper, Total	0.4025		mg/l	0.00100	0.00038	1	09/26/17 17:55	09/27/17 15:50	EPA 3005A	1,6020A	AM
Iron, Total	123.		mg/l	0.0500	0.0191	1	09/26/17 17:55	09/27/17 15:50	EPA 3005A	1,6020A	AM
Zinc, Total	0.1339		mg/l	0.01000	0.00341	1	09/26/17 17:55	09/27/17 15:50	EPA 3005A	1,6020A	AM

Project Name: ANNUAL GROUNDWATER MONITORING
Lab Number: L1733895
Project Number: Not Specified
Report Date: 10/09/17

SAMPLE RESULTS

Lab ID: L1733895-07
Client ID: FIELD DUP
Sample Location: LOCKPORT, NY
Matrix: Water

Date Collected: 09/22/17 08:55
Date Received: 09/22/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Chromium, Total	0.00213		mg/l	0.00100	0.00017	1	09/26/17 17:55	09/27/17 15:54	EPA 3005A	1,6020A	AM
Copper, Total	0.09032		mg/l	0.00100	0.00038	1	09/26/17 17:55	09/27/17 15:54	EPA 3005A	1,6020A	AM
Iron, Total	19.3		mg/l	0.0500	0.0191	1	09/26/17 17:55	09/27/17 15:54	EPA 3005A	1,6020A	AM
Zinc, Total	0.4936		mg/l	0.01000	0.00341	1	09/26/17 17:55	09/27/17 15:54	EPA 3005A	1,6020A	AM

INORGANICS
&
MISCELLANEOUS

Project Name: ANNUAL GROUNDWATER MONITORING
Project Number: Not Specified
Lab Number: L1733895
Report Date: 10/09/17

SAMPLE RESULTS

Lab ID: L1733895-01
Client ID: VDM-10
Sample Location: LOCKPORT, NY
Matrix: Water
Date Collected: 09/22/17 08:55
Date Received: 09/22/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chloride	6400		mg/l	100	20.	100	-	09/25/17 20:58	1,9251	TH

Project Name: ANNUAL GROUNDWATER MONITORING
Project Number: Not Specified
Lab Number: L1733895
Report Date: 10/09/17

SAMPLE RESULTS

Lab ID: L1733895-02
Client ID: VDM-11
Sample Location: LOCKPORT, NY
Matrix: Water
Date Collected: 09/22/17 08:40
Date Received: 09/22/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chloride	1200		mg/l	100	20.	100	-	09/25/17 21:00	1,9251	TH

Project Name: ANNUAL GROUNDWATER MONITORING
Project Number: Not Specified
Lab Number: L1733895
Report Date: 10/09/17

SAMPLE RESULTS

Lab ID: L1733895-03
Client ID: VDM-14
Sample Location: LOCKPORT, NY
Matrix: Water
Date Collected: 09/22/17 09:20
Date Received: 09/22/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chloride	3600		mg/l	100	20.	100	-	09/25/17 21:02	1,9251	TH

Project Name: ANNUAL GROUNDWATER MONITORING
Project Number: Not Specified

Lab Number: L1733895
Report Date: 10/09/17

SAMPLE RESULTS

Lab ID: L1733895-04
Client ID: EIGHTEEN MILE CREEK
Sample Location: LOCKPORT, NY
Matrix: Water

Date Collected: 09/22/17 10:15
Date Received: 09/22/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chloride	38.		mg/l	1.0	0.20	1	-	09/25/17 21:06	1,9251	TH

Project Name: ANNUAL GROUNDWATER MONITORING
Project Number: Not Specified
Lab Number: L1733895
Report Date: 10/09/17

SAMPLE RESULTS

Lab ID: L1733895-05
Client ID: D-55
Sample Location: LOCKPORT, NY
Matrix: Water
Date Collected: 09/22/17 09:45
Date Received: 09/22/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chloride	17.		mg/l	1.0	0.20	1	-	09/25/17 21:07	1,9251	TH

Project Name: ANNUAL GROUNDWATER MONITORING
Project Number: Not Specified
Lab Number: L1733895
Report Date: 10/09/17

SAMPLE RESULTS

Lab ID: L1733895-06
Client ID: VDM-9
Sample Location: LOCKPORT, NY
Matrix: Water
Date Collected: 09/22/17 09:10
Date Received: 09/22/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chloride	7400		mg/l	100	20.	100	-	09/25/17 21:41	1,9251	TH

Project Name: ANNUAL GROUNDWATER MONITORING
Project Number: Not Specified
Lab Number: L1733895
Report Date: 10/09/17

SAMPLE RESULTS

Lab ID: L1733895-07
Client ID: FIELD DUP
Sample Location: LOCKPORT, NY
Matrix: Water
Date Collected: 09/22/17 08:55
Date Received: 09/22/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chloride	7300		mg/l	100	20.	100	-	09/25/17 21:43	1,9251	TH

Project Name: ANNUAL GROUNDWATER MONITORING
Project Number: Not Specified

Lab Number: L1733895
Report Date: 10/09/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1733895-01A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1733895-01B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1733895-01C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1733895-01D	Plastic 60ml unpreserved	A	7	7	4.3	Y	Absent		CL-9251(28)
L1733895-01E	Plastic 250ml HNO3 preserved	A	<2	<2	4.3	Y	Absent		FE-6020T(180),CR-6020T(180),CU-6020T(180),ZN-6020T(180)
L1733895-02A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1733895-02B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1733895-02C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1733895-02D	Plastic 60ml unpreserved	A	7	7	4.3	Y	Absent		CL-9251(28)
L1733895-02E	Plastic 250ml HNO3 preserved	A	<2	<2	4.3	Y	Absent		FE-6020T(180),CR-6020T(180),CU-6020T(180),ZN-6020T(180)
L1733895-03A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1733895-03B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1733895-03C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1733895-03D	Plastic 60ml unpreserved	A	7	7	4.3	Y	Absent		CL-9251(28)
L1733895-03E	Plastic 250ml HNO3 preserved	A	<2	<2	4.3	Y	Absent		FE-6020T(180),CR-6020T(180),CU-6020T(180),ZN-6020T(180)
L1733895-04A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1733895-04B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1733895-04C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1733895-04D	Plastic 60ml unpreserved	A	7	7	4.3	Y	Absent		CL-9251(28)
L1733895-04E	Plastic 250ml HNO3 preserved	A	<2	<2	4.3	Y	Absent		FE-6020T(180),CR-6020T(180),CU-6020T(180),ZN-6020T(180)
L1733895-05A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1733895-05B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: ANNUAL GROUNDWATER MONITORING
Project Number: Not Specified

Lab Number: L1733895
Report Date: 10/09/17

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1733895-05C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1733895-05D	Plastic 60ml unpreserved	A	7	7	4.3	Y	Absent		CL-9251(28)
L1733895-05E	Plastic 250ml HNO3 preserved	A	<2	<2	4.3	Y	Absent		FE-6020T(180),CR-6020T(180),CU-6020T(180),ZN-6020T(180)
L1733895-06A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1733895-06B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1733895-06C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1733895-06D	Plastic 60ml unpreserved	A	7	7	4.3	Y	Absent		CL-9251(28)
L1733895-06E	Plastic 250ml HNO3 preserved	A	<2	<2	4.3	Y	Absent		FE-6020T(180),CR-6020T(180),CU-6020T(180),ZN-6020T(180)
L1733895-07A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1733895-07B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1733895-07C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1733895-07D	Plastic 60ml unpreserved	A	7	7	4.3	Y	Absent		CL-9251(28)
L1733895-07E	Plastic 250ml HNO3 preserved	A	<2	<2	4.3	Y	Absent		FE-6020T(180),CR-6020T(180),CU-6020T(180),ZN-6020T(180)
L1733895-08A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1733895-08B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	ANNUAL GROUNDWATER MONITORING	**Lab Number:**	L1733895
Project Number:	Not Specified	**Report Date:**	10/09/17

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report - No QC w/'J' Qual

Project Name:	ANNUAL GROUNDWATER MONITORING	**Lab Number:**	L1733895
Project Number:	Not Specified	**Report Date:**	10/09/17

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report - No QC w/'J' Qual

Project Name:	ANNUAL GROUNDWATER MONITORING	**Lab Number:**	L1733895
Project Number:	Not Specified	**Report Date:**	10/09/17

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of

Date Rec'd in Lab: 9/23/17

ALPHA Job #: L1733895

Client Information

Client: VandeMark Chemical, Inc
Address: One North Transit Road
Lockport, NY 14094
Phone: 716-433-6764
Fax: 716-433-2850
Email: j.wrazen@vdmchemical.com

Project Information

Project Name: Annual Groundwater Monitoring
Project Location: Lockport, NY
Project #
(Use Project name as Project #) ☐
Project Manager: Jim Wrazen
ALPHAQuote #:

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☑ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Metals List - Cr, Cu, Fe, Zn

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8260 (2172)	*Metals	Chloride	Field pH/Temp					Sample Specific Comments	Total Bottles
33895-01	VDM-10	9/22/17	0855	Water	ZSR	X	X	X							5
-02	VDM-11	9/22/17	0840	Water	ZSR	X	X	X							5
-03	VDM-14	9/22/17	0920	Water	ZSR	X	X	X							5
	~~VDM-12~~			~~Water~~		~~X~~	~~X~~	~~X~~						*Well Dry	~~5~~
-04	Eighteen Mile Creek	9/22/17	1015	Water	ZSR	X	X	X							5
-05	D-55	9/22/17	0945	Water	ZSR	X	X	X							5
-06	VDM-9	9/22/17	0910	Water	ZSR	X	X	X							5
-07	Field DUP	9/22/17	0855	Water	ZSR	X	X	X						*VDM-10 DUP	5
-08	Trip Blank	—	—	DI Water	—	X									2

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

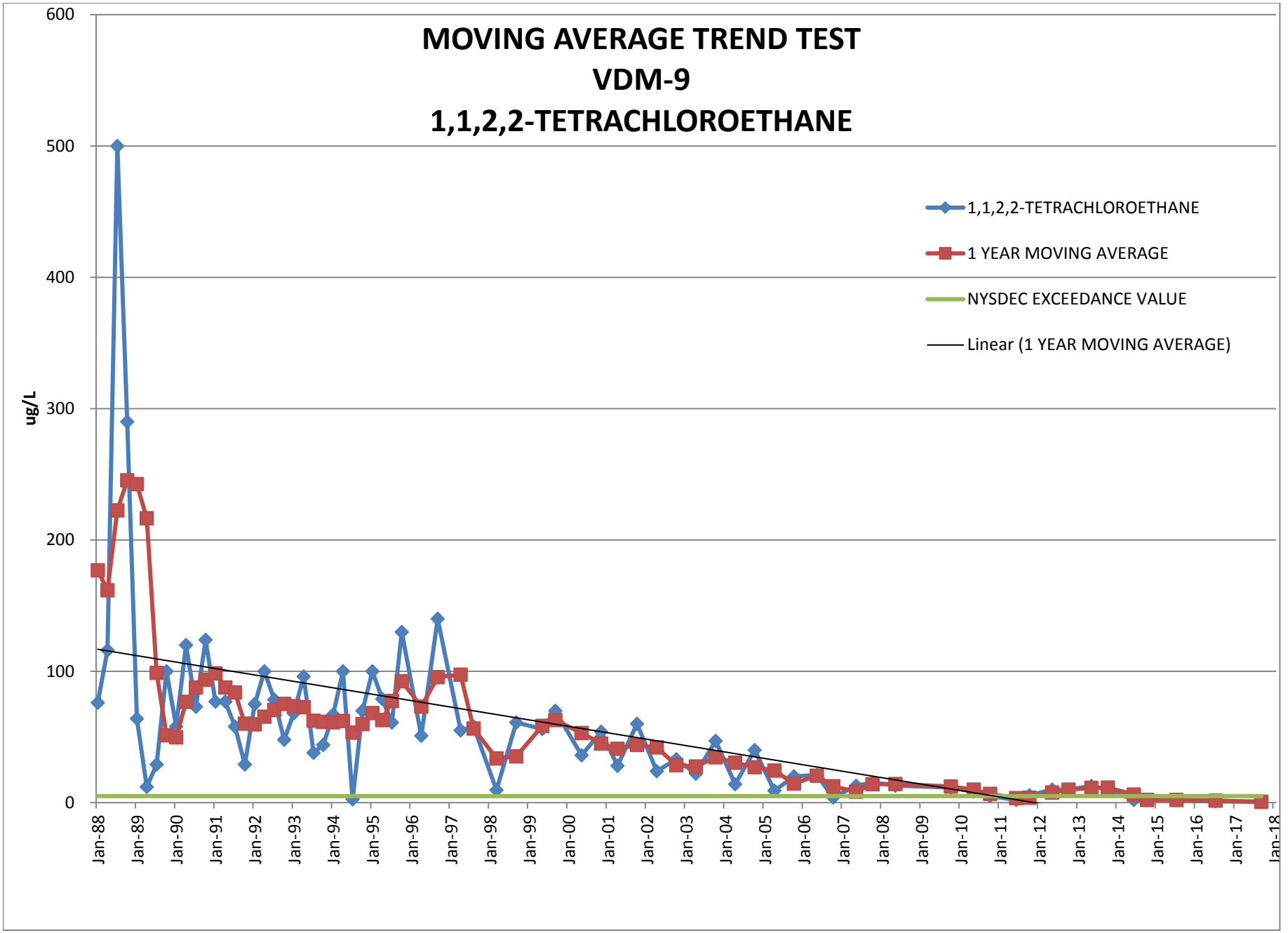
Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V	P	P							
Preservative	B	C	A							

Relinquished By:	Date/Time	Received By:	Date/Time
AG	9/22/17 1200		9/23/17 00:35

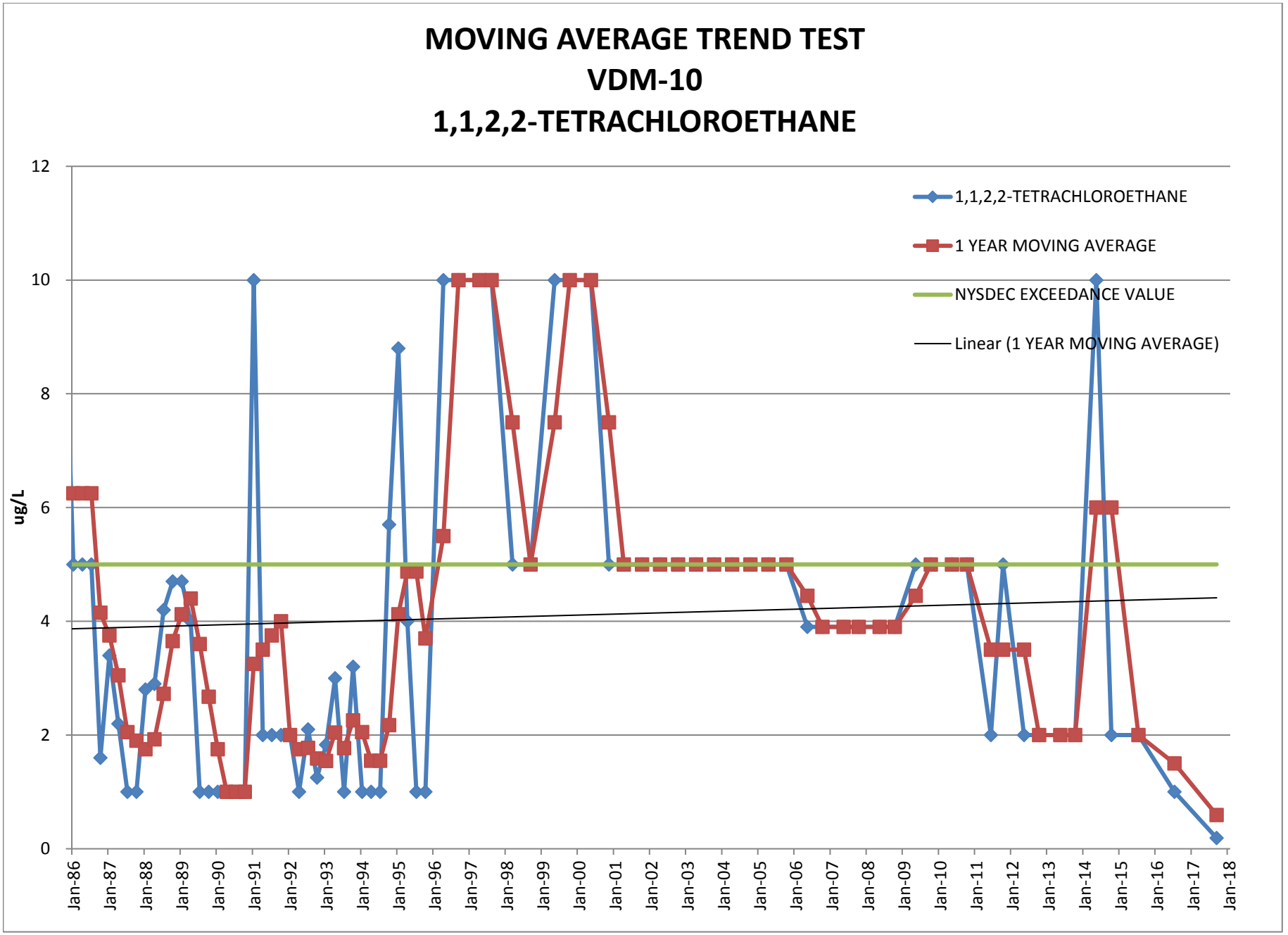
Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)


MOVING AVERAGE TREND TEST
VDM-9
1,1,2,2-TETRACHLOROETHANE
ug/L
600
500
400
300
200
100
0
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
Jan-18
1,1,2,2-TETRACHLOROETHANE
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)

WELL VDM - 9 : 1,1,2,2-TETRACHLOROETHANE

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVERAGE				SAMPLING EVENT NO.
Jan-87		5	5	OTAL STD	77.0624					1
Apr-87		5	5	TOTAL Sx	9.70895					2
Jul-87	257	5	5	TAL MEAN	68.765					3
Oct-87	198	5	5	TOTAL N	64	227.50				4
Jan-88	76	5	5	TOTAL df	63	177.00				5
Apr-88	116	5	5			161.75				6
Jul-88	500	5	5			222.50				7
Oct-88	290	5	5			245.50				8
Jan-89	64	5	5			242.50				9
Apr-89	12	5	5			216.50				10
Jul-89	29	5	5			98.75				11
Oct-89	100	5	5			51.25				12
Jan-90	58	5	5			49.75				13
Apr-90	120	5	5			76.75				14
Jul-90	73	5	5			87.75				15
Oct-90	124	5	5			93.75				16
Jan-91	77	5	5			98.50				17
Apr-91	77	5	5			87.75				18
Jul-91	58	5	5			84.00				19
Oct-91	29	5	5			60.25				20
Jan-92	75	5	5			59.75				21
Apr-92	100	5	5			65.50				22
Jul-92	78.4	5	5			70.60				23
Oct-92	47.8	5	5			75.30				24
Jan-93	68.1	5	5			73.58				25
Apr-93	96	5	5			72.58				26
Jul-93	38	5	5			62.48				27
Oct-93	44	5	5			61.53				28
Jan-94	67	5	5			61.25				29
Apr-94	100	5	5			62.25				30
Jul-94	2.6	5	5			53.40				31
Oct-94	70	5	5			59.90				32
Jan-95	100	5	5			68.15				33
Apr-95	79	5	5			62.90				34
Jul-95	61	5	5			77.50				35
Oct-95	130	5	2			92.50				36
Apr-96	51	5	2			73.25	73.25	04/01/96		37
Sep-96	140	5	10			95.5	95.5	09/17/96	semiannual	38
Apr-97	55	5	10			97.5	97.5	04/03/97	semiannual	39
Aug-97	58	5	10			56.5	56.5	08/27/97	semiannual	40
Mar-98	9.5	5	5			33.75	33.75	03/24/98	semiannual	41
Sep-98	61	5	5			35.25	35.25	09/22/98	semiannual	42
May-99	56	5	10			58.5	58.5	05/11/99	semiannual	43
Sep-99	70	5	10			63	63	09/29/99	semiannual	44
May-00	36	5	10			53	53	05/16/00	semiannual	45
Nov-00	54	5	5			45	45	11/28/00	semiannual	46
Apr-01	28	5	5			41	41	04/04/01	semiannual	47
Oct-01	60	5	5			44	44	10/18/01	semiannual	48
Apr-02	24	5	5			42	42	04/18/02	semiannual	49
Oct-02	33	5	5			28.5	28.5	10/03/02	semiannual	50
Apr-03	22	5	5			27.5	27.5	04/25/03	semiannual	51
Oct-03	47	5	5			34.5	34.5	10/03/03	semiannual	52
Apr-04	14	5	5			30.5	30.5	04/01/04	semiannual	53
Oct-04	40	5	5			27	27	10/19/04	semiannual	54
Apr-05	9	5	5			24.5	24.5	04/22/05	semiannual	55
Oct-05	20	5	5			14.5	14.5	10/07/05	semiannual	56
May-06	21	5	5			20.5	20.5	05/11/06	semiannual	57
Oct-06	3.9	5	5			12.45	12.45	10/18/06	semiannual	58
May-07	12.8	5	5			8.35	8.35	05/22/07	semiannual	59
Oct-07	15.4	5	5			14.1	14.1	10/25/07	semiannual	60
May-08	13	5	5			14.2	14.2	05/13/08	semiannual	61
Oct-09	11.5	5	5			12.25	12.25	10/29/09	semiannual	62
May-10	8.46	5	5			9.98	9.98	05/20/10	semiannual	63
Oct-10	5	5	5			6.73	6.73	10/18/10	semiannual	64
Jun-11	2	5	2			3.5	3.5	06/02/11	semiannual	65
Oct-11	5.5	5	2			3.75	3.75	10/12/11	semiannual	66
May-12	9.9	5	2			7.7	7.7	05/18/12	semiannual	67
Oct-12	10	5	2			9.95	9.95	10/11/12	semiannual	68
May-13	12.7	5	2			11.35	11.35	05/17/13	semiannual	69
Oct-13	10.3	5	2			11.5	11.5	10/11/13	semiannual	70
Jun-14	2.1	5	2			6.2	6.2	05/06/14	semiannual	71
Oct-14	2	5	2			2.05	2.05	10/06/14	semiannual	72
Jul-15	2	5	2			2	2	07/09/15	semiannual	73
Jul-16	1	5	1			1.5	1.5	07/20/16	Annual	74
Sep-17	0.5	5	0.5			0.75	0.75	09/22/17	Annual	75


MOVING AVERAGE TREND TEST
VDM-10
1,1,2,2-TETRACHLOROETHANE
ug/L
12
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Jan-86
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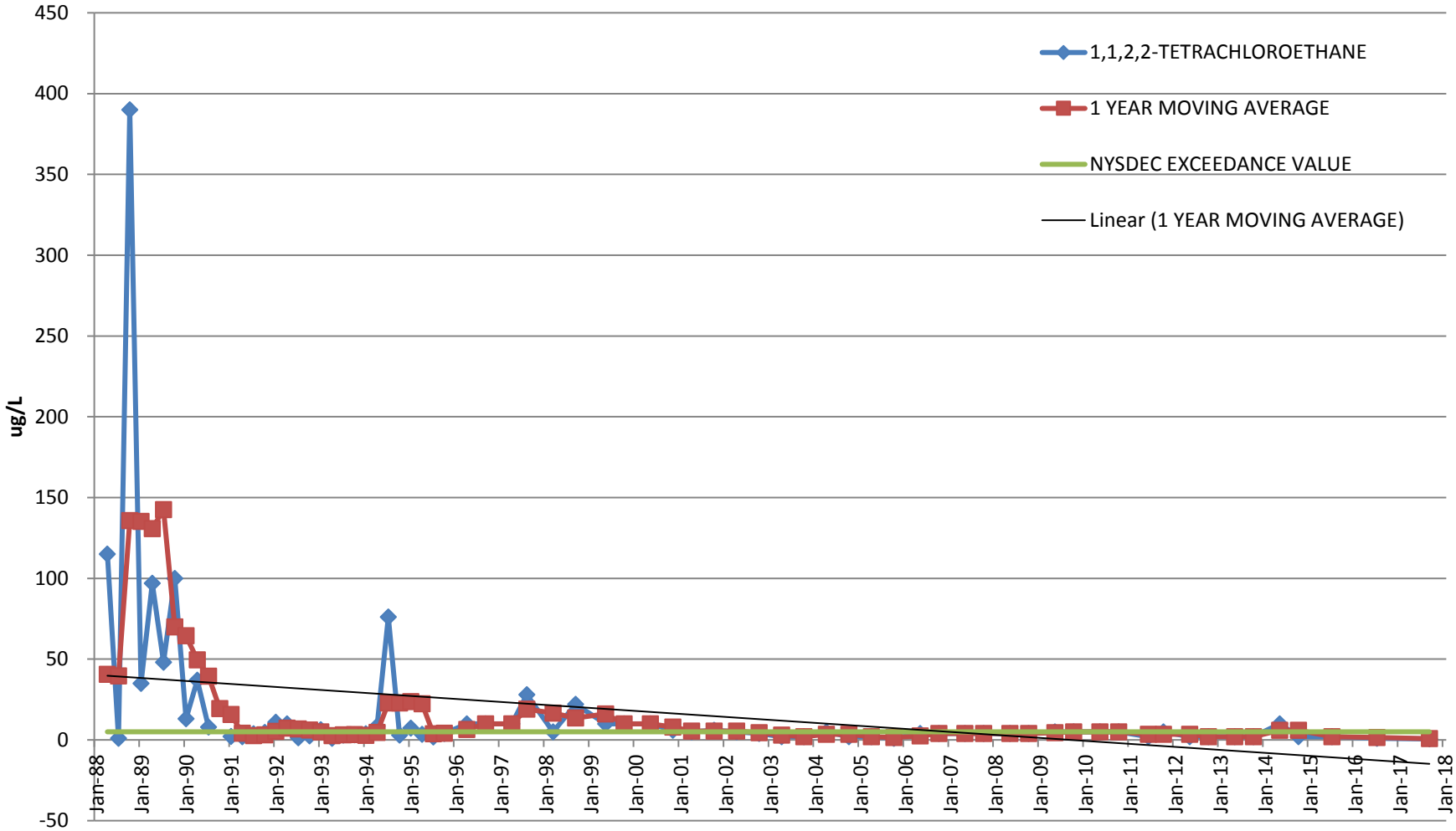
1,1,2,2-TETRACHLOROETHANE
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)

WELL VDM - 10 : 1,1,2,2-TETRACHLOROETHANE

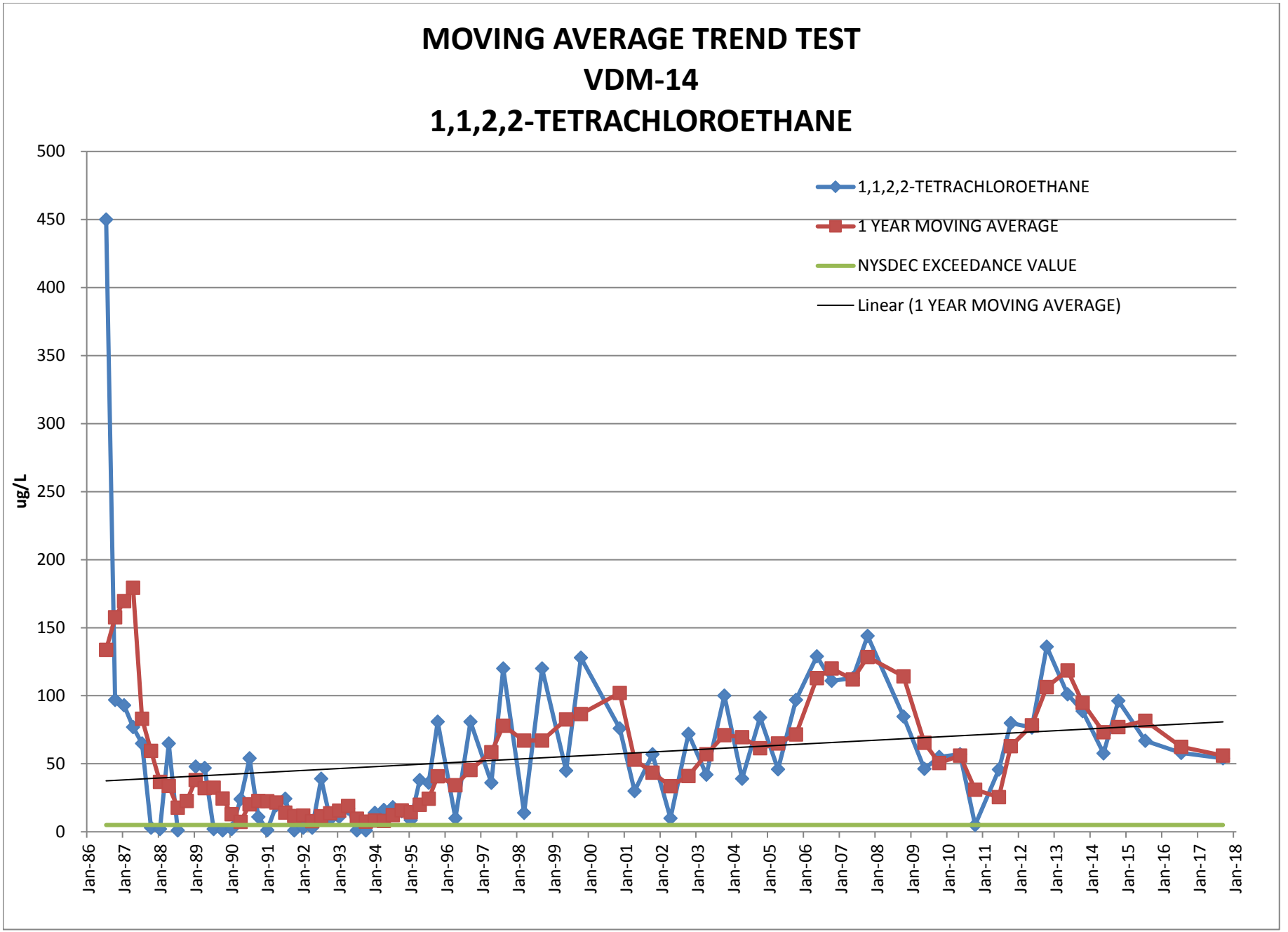
SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETEC LIMIT	STATISTICS		MOVING AVERAGE				SAMPLING EVENT NO.
-	-	-	-	----------	-	-				-
Jul-84		5	5	TOTAL STD	2.7063937					1
Oct-84		5	5	TOTAL Sx	0.3125074					2
Jan-85	5	5	5	TOTAL MEA	4.1944737					3
Apr-85	5	5	5	TOTAL N	76	5.00				4
Jul-85	5	5	5	TOTAL df	75	5.00				5
Oct-85	10	5	5			6.25				6
Jan-86	5	5	5			6.25				7
Apr-86	5	5	5			6.25				8
Jul-86	5	5	5			6.25				9
Oct-86	1.6	5	5			4.15				10
Jan-87	3.4	5	5			3.75				11
Apr-87	2.2	5	5			3.05				12
Jul-87	1	5	5			2.05				13
Oct-87	1	5	5			1.90				14
Jan-88	2.8	5	5			1.75				15
Apr-88	2.9	5	5			1.93				16
Jul-88	4.2	5	5			2.73				17
Oct-88	4.7	5	5			3.65				18
Jan-89	4.7	5	5			4.13				19
Apr-89	4	5	5			4.40				20
Jul-89	1	5	5			3.60				21
Oct-89	1	5	5			2.68				22
Jan-90	1	5	5			1.75				23
Apr-90	1	5	5			1.00				24
Jul-90	1	5	5			1.00				25
Oct-90	1	5	5			1.00				26
Jan-91	10	5	5			3.25				27
Apr-91	2	5	5			3.50				28
Jul-91	2	5	5			3.75				29
Oct-91	2	5	5			4.00				30
Jan-92	2	5	5			2.00				31
Apr-92	1	5	5			1.75				32
Jul-92	2.1	5	5			1.78				33
Oct-92	1.25	5	5			1.59				34
Jan-93	1.83	5	5			1.55				35
Apr-93	3	5	5			2.05				36
Jul-93	1	5	5			1.77				37
Oct-93	3.2	5	5			2.26				38
Jan-94	1	5	5			2.05				39
Apr-94	1	5	5			1.55				40
Jul-94	1	5	5			1.55				41
Oct-94	5.7	5	5			2.18				42
Jan-95	8.8	5	5			4.13				43
Apr-95	4	5	5			4.88				44
Jul-95	1	5	5			4.88				45
Oct-95	1	5	1			3.70				46
Apr-96	10	5	10			5.50				47
Sep-96	10	5	10			10	10	09/17/96	semiannual	48
Apr-97	10	5	10			10	10	04/03/97	semiannual	49
Aug-97	10	5	10			10	10	08/27/97	semiannual	50
Mar-98	5	5	5			7.5	7.5	03/24/98	semiannual	51
Sep-98	5	5	5			5	5	09/22/98	semiannual	52
May-99	10	5	10			7.5	7.5	05/11/99	semiannual	53
Oct-99	10	5	10			10	10	10/05/99	semiannual	54
May-00	10	5	10			10	10	05/16/00	semiannual	55
Nov-00	5	5	5			7.5	7.5	11/28/00	semiannual	56
Apr-01	5	5	5			5	5	04/04/01	semiannual	57
Oct-01	5	5	5			5	5	10/18/01	semiannual	58
Apr-02	5	5	5			5	5	04/18/02	semiannual	59
Oct-02	5	5	5			5	5	10/03/02	semiannual	60
Apr-03	5	5	5			5	5	04/25/03	semiannual	61
Oct-03	5	5	5			5	5	10/03/03	semiannual	62
Apr-04	5	5	5			5	5	04/01/04	semiannual	63
Oct-04	5	5	5			5	5	10/19/04	semiannual	64
Apr-05	5	5	5			5	5	04/22/05	semiannual	65
Oct-05	5	5	5			5	5	10/07/05	semiannual	66
May-06	3.9	5	5			4.45	4.45	05/11/06	semiannual	67
Oct-06	3.9	5	5			3.9	3.9	10/18/06	semiannual	68
May-07	3.9	5	5			3.9	3.9	05/22/07	semiannual	69
Oct-07	3.9	5	5			3.9	3.9	10/25/07	semiannual	70
May-08	3.9	5	5			3.9	3.9	05/13/08	semiannual	71
Oct-08	3.9	5	5			3.9	3.9	10/23/08	semiannual	72
May-09	5	5	5			4.45	4.45	05/09/09	semiannual	73
Oct-09	5	5	5			5	5	10/29/09	semiannual	74
May-10	5	5	5			5	5	05/20/10	semiannual	75
Oct-10	5	5	5			5	5	10/18/10	semiannual	76
Jun-11	2	5	2			3.5	3.5	06/02/11	semiannual	77
Oct-11	5	5	5			3.5	3.5	10/12/11	semiannual	78
May-12	2	5	2			3.5	3.5	05/08/12	semiannual	79
Oct-12	2	5	2			2	2	10/11/12	semiannual	80
May-13	2	5	2			2	2	05/17/13	semiannual	81
Oct-13	2	5	2			2	2	10/11/13	semiannual	82
May-14	10	5	10			6	6	05/05/14	semiannual	83
Oct-14	2	5	2			6	6	10/06/14	semiannual	84
Jul-15	2	5	2			2	2	07/09/15	semiannual	85
Jul-16	1	5	1			1.5	1.5	07/20/16	Annual	86
Sep-17	0.19	5	0.5			0.595	0.595	09/22/17	Annual	87

MOVING AVERAGE TREND TEST
VDM-11
1,1,2,2-TETRACHLOROETHANE



WELL VDM - 11 : 1,1,2,2-TETRACHLOROETHANE

SAMPLING EVENT NO.	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				SAMPLING EVENT NO.
-	-	-	-	-	-	-				-
Jan-87		5	5	TOTAL STD	51.2874					1
Apr-87		5	5	TOTAL Sx	6.3130					2
Jul-87	5	5	5	TOTAL MEAI	18.7876					3
Oct-87	5	5	5	TOTAL N	67					4
Jan-88	37.2	5	5	TOTAL df	66					5
Apr-88	115	5	5			40.55				6
Jul-88	1	5	5			39.55				7
Oct-88	390	5	5			135.80				8
Jan-89	35	5	5			135.25				9
Apr-89	97	5	5			130.75				10
Jul-89	48	5	5			142.50				11
Oct-89	100	5	5			70.00				12
Jan-90	13	5	5			64.50				13
Apr-90	37	5	5			49.50				14
Jul-90	8	5	5			39.50				15
Oct-90		5	5			19.33				16
Jan-91	2.2	5	5			15.73				17
Apr-91	2	5	5			4.07				18
Jul-91	3.8	5	5			2.67				19
Oct-91	4.6	5	5			3.15				20
Jan-92	11	5	5			5.35				21
Apr-92	10	5	5			7.35				22
Jul-92	1.25	5	5			6.71				23
Oct-92	2.4	5	5			6.16				24
Jan-93	6.22	5	5			4.97				25
Apr-93	1	5	5			2.72				26
Jul-93	3	5	5			3.16				27
Oct-93	3.1	5	5			3.33				28
Jan-94	3.8	5	5			2.73				29
Apr-94	8.5	5	5			4.60				30
Jul-94	76	5	5			22.85				31
Oct-94	2.9	5	5			22.80				32
Jan-95	7.2	5	5			23.65				33
Apr-95	3.5	5	5			22.40				34
Jul-95	1.8	5	5			3.85				35
Oct-95	3.9	5	1			4.10				36
Apr-96	10	5	10			6.425				37
Sep-96	10	5	10			10	10	9/17/1996	semiannual	38
Apr-97	10	5	10			10	10	4/3/1997	semiannual	39
Aug-97	28	5	10			19	19	8/27/1997	semiannual	40
Mar-98	5	5	5			16.5	16.5	3/24/1998	semiannual	41
Sep-98	22	5	5			13.5	13.5	9/22/1998	semiannual	42
May-99	10	5	10			16	16	5/11/1999	semiannual	43
Oct-99	10	5	10			10	10	10/5/1999	semiannual	44
May-00	10	5	10			10	10	5/16/2000	semiannual	45
Nov-00	6	5	5			8	8	11/28/2000	semiannual	46
Apr-01	5	5	5			5.5	5.5	4/4/2001	semiannual	47
Oct-01	6	5	5			5.5	5.5	10/18/2001	semiannual	48
Apr-02	5	5	5			5.5	5.5	4/18/2002	semiannual	49
Oct-02	4	5	5			4.5	4.5	10/3/2002	semiannual	50
Apr-03	2	5	5			3	3	4/25/2003	semiannual	51
Oct-03	2	5	5			2	2	10/3/2003	semiannual	52
Apr-04	5	5	5			3.5	3.5	4/1/2004	semiannual	53
Oct-04	2	5	5			3.5	3.5	10/19/2004	semiannual	54
Apr-05	2	5	5			2	2	4/22/2005	semiannual	55
Oct-05	1	5	5			1.5	1.5	10/7/2005	semiannual	56
May-06	3.9	5	5			2.45	2.45	5/11/2006	semiannual	57
Oct-06	3.9	5	5			3.9	3.9	10/18/2006	semiannual	58
May-07	3.9	5	5			3.9	3.9	5/22/2007	semiannual	59
Oct-07	3.9	5	5			3.9	3.9	10/25/2007	semiannual	60
May-08	3.9	5	5			3.9	3.9	5/13/2008	semiannual	61
Oct-08	3.9	5	5			3.9	3.9	10/23/2008	semiannual	62
May-09	5	5	5			4.45	4.45	5/12/2009	semiannual	63
Oct-09	5	5	5			5	5	10/29/2009	semiannual	64
May-10	5	5	5			5	5	5/20/2010	semiannual	65
Oct-10	5	5	5			5	5	10/18/2010	semiannual	66
Jun-11	2	5	2			3.5	3.5	6/2/2011	semiannual	67
Oct-11	5	5	5			3.5	3.5	10/12/2011	semiannual	68
May-12	2	5	2			3.5	3.5	5/18/2012	semiannual	69
Oct-12	2	5	2			2	2	10/11/2012	semiannual	70
May-13	2	5	2			2	2	5/17/2013	semiannual	71
Oct-13	2	5	2			2	2	10/11/2013	semiannual	72
May-14	10	5	10			6	6	5/5/2014	semiannual	73
Oct-14	2	5	2			6	6	10/6/2014	semiannual	74
Jul-15	2	5	2			2	2	7/9/2015	semiannual	75
Jul-16	1	5	1			1.5	1.5	7/20/2016	Annual	76
Sep-17	0.57	5	0.5			0.785	0.785	9/22/2017	Annual	77


MOVING AVERAGE TREND TEST
VDM-14
1,1,2,2-TETRACHLOROETHANE
ug/L
500
450
400
350
300
250
200
150
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Jan-86
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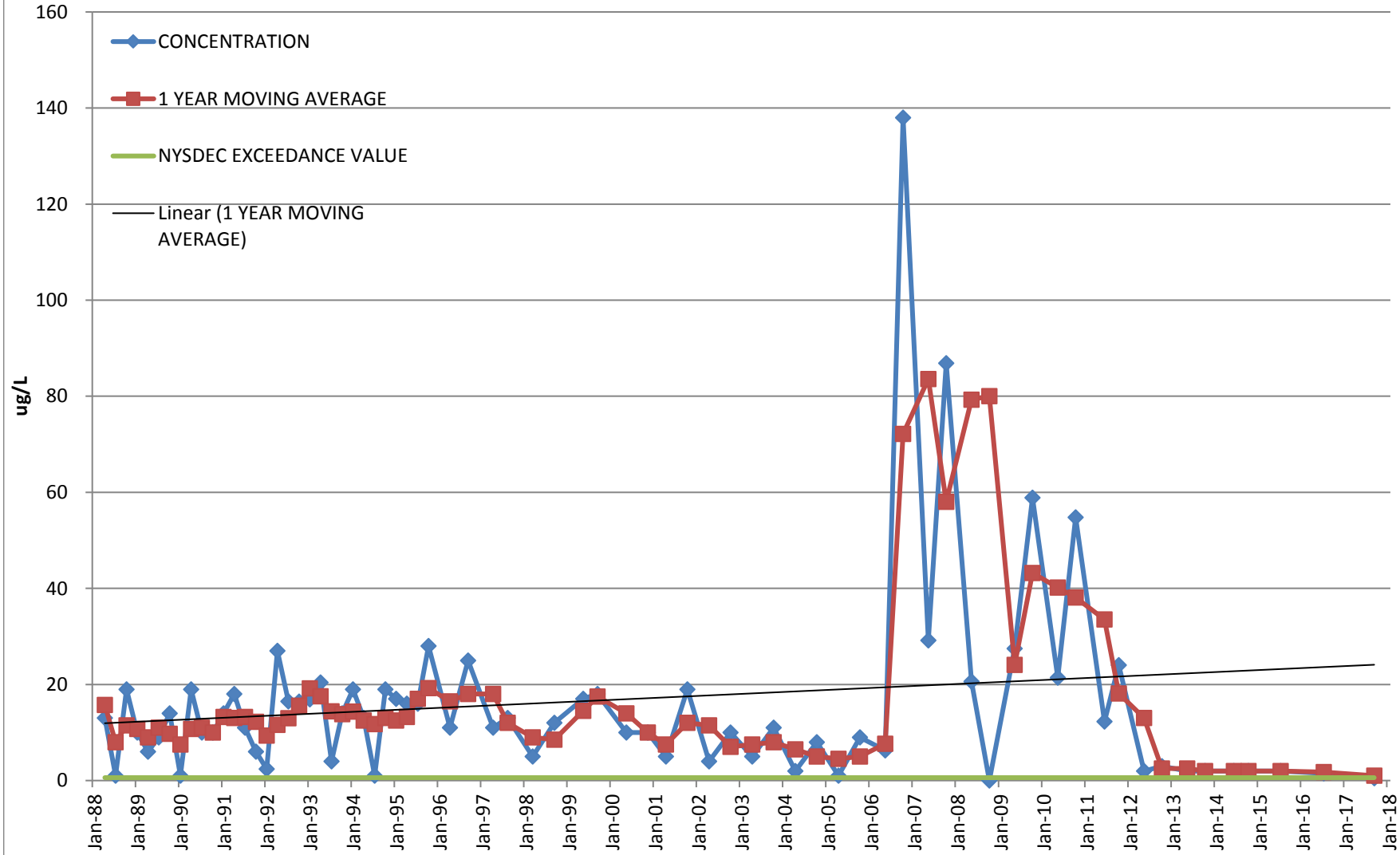
1,1,2,2-TETRACHLOROETHANE
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)

WELL VDM - 14 : 1,1,2,2-TETRACHLOROETHANE

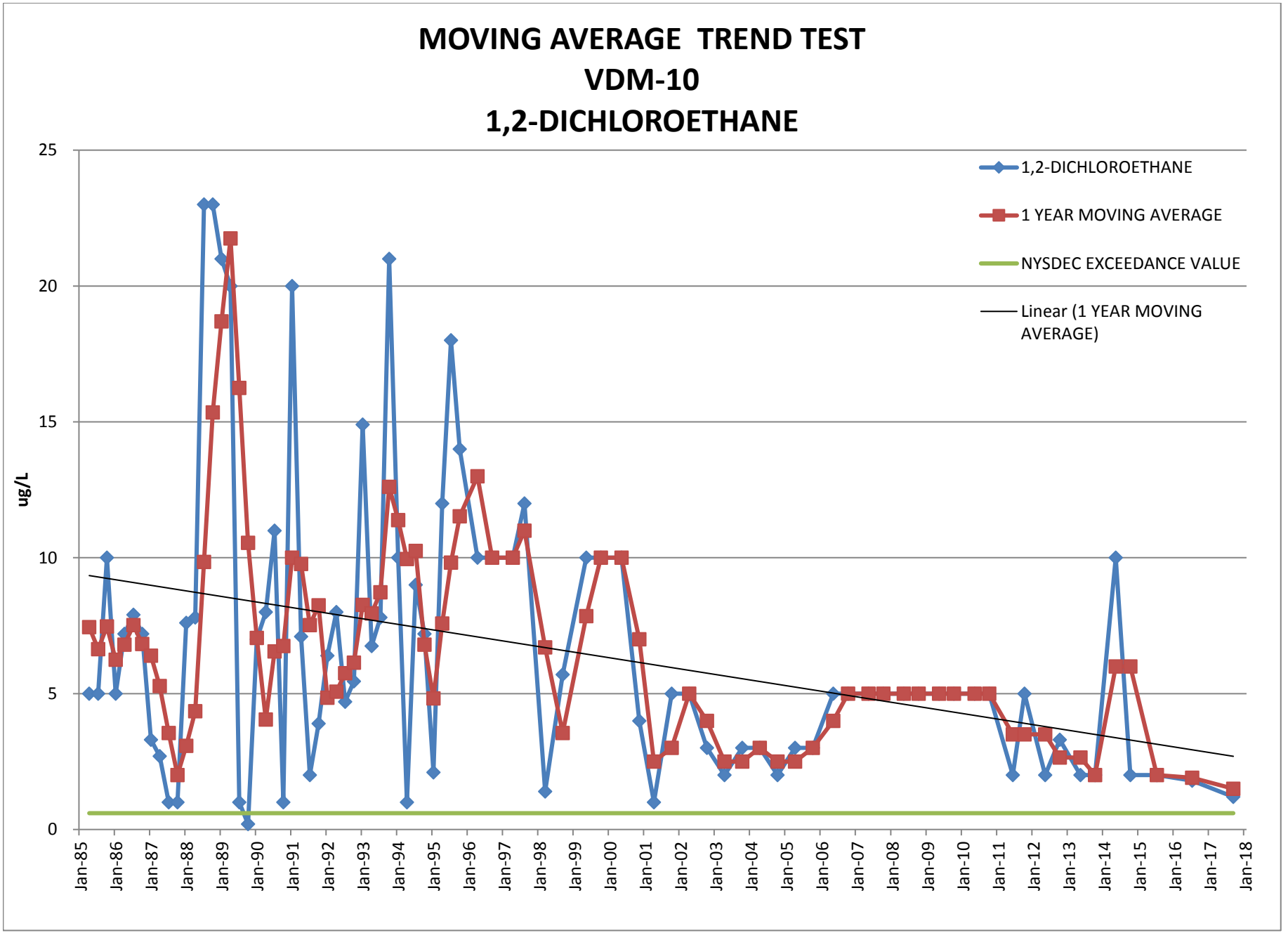
SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
----------	-	-	-	-	-	-				-
Oct-85	1	5	5	TOTAL STI	61.49133					1
Jan-86	46	5	5	TOTAL Sx	7.34962					2
Apr-86	38	5	5	OTAL MEA	51.24577					3
Jul-86	450	5	5	TOTAL N	71	133.75				4
Oct-86	97	5	5	TOTAL df	70	157.75				5
Jan-87	93	5	5			169.50				6
Apr-87	77	5	5			179.25				7
Jul-87	65	5	5			83.00				8
Oct-87	3	5	5			59.50				9
Jan-88	2	5	5			36.75				10
Apr-88	65	5	5			33.75				11
Jul-88	1	5	5			17.75				12
Oct-88		5	5			22.67				13
Jan-89	48	5	5			38.00				14
Apr-89	47	5	5			32.00				15
Jul-89	2	5	5			32.33				16
Oct-89	1	5	5			24.50				17
Jan-90	2	5	5			13.00				18
Apr-90	24	5	5			7.25				19
Jul-90	54	5	5			20.25				20
Oct-90	11	5	5			22.75				21
Jan-91	1.25	5	5			22.56				22
Apr-91	19.6	5	5			21.46				23
Jul-91	24.4	5	5			14.06				24
Oct-91	1	5	5			11.56				25
Jan-92	3	5	5			12.00				26
Apr-92	3	5	5			7.85				27
Jul-92	39	5	5			11.50				28
Oct-92	9.3	5	5			13.58				29
Jan-93	11	5	5			15.58				30
Apr-93	17	5	5			19.08				31
Jul-93	1	5	5			9.58				32
Oct-93	1	5	5			7.50				33
Jan-94	14	5	5			8.25				34
Apr-94	16	5	5			8.00				35
Jul-94	18	5	5			12.25				36
Oct-94	15	5	5			15.75				37
Jan-95	8.6	5	5			14.40				38
Apr-95	38	5	5			19.90				39
Jul-95	36	5	5			24.40				40
Oct-95	81	5	2			40.90				41
Apr-96	10	5	10			34.25				42
Sep-96	81	5	10			45.5	45.5	9/17/1996	semiannual	43
Apr-97	36	5	10			58.5	58.5	4/3/1997	semiannual	44
Aug-97	120	5	100			78	78	8/27/1997	semiannual	45
Mar-98	14	5	5			67	67	3/24/1998	semiannual	46
Sep-98	120	5	5			67	67	9/22/1998	semiannual	47
May-99	45	5	10			82.5	82.5	5/11/1999	semiannual	48
Oct-99	128	5	10			86.5	86.5	10/5/1999	semiannual	49
Nov-00	76	5	5			102	102	11/28/2000	semiannual	50
Apr-01	30	5	5			53	53	4/4/2001	semiannual	51
Oct-01	57	5	5			43.5	43.5	10/18/2001	semiannual	52
Apr-02	10	5	5			33.5	33.5	4/18/2002	semiannual	53
Oct-02	72	5	25			41	41	10/3/2002	semiannual	54
Apr-03	42	5	10			57	57	4/25/2003	semiannual	55
Oct-03	100	5	5			71	71	10/3/2003	semiannual	56
Apr-04	39	5	10			69.5	69.5	4/1/2004	semiannual	57
Oct-04	84	5	10			61.5	61.5	10/19/2004	semiannual	58
Apr-05	46	5	10			65	65	4/22/2005	semiannual	59
Oct-05	97	5	10			71.5	71.5	10/7/2005	semiannual	60
May-06	129	5	10			113	113	5/11/2006	semiannual	61
Oct-06	111	5	10			120	120	10/18/2006	semiannual	62
May-07	113	5	10			112	112	5/22/2007	semiannual	63
Oct-07	144	5	10			128.5	128.5	10/25/2007	semiannual	64
Oct-08	84.7	5	10			114.35	114.35	10/23/2008	semiannual	65
May-09	46.2	5	25			65.45	65.45	5/12/2009	semiannual	66
Oct-09	55	5	25			50.6	50.6	10/29/2009	semiannual	67
May-10	57	5	25			56	56	5/20/2010	semiannual	68
Oct-10	5	5	25			31	31	10/18/2010	semiannual	69
Jun-11	45.8	5	25			25.4	25.4	6/2/2011	semiannual	70
Oct-11	80	5	50			62.9	62.9	10/12/2011	semiannual	71
May-12	76.6	5	2			78.3	78.3	5/18/2012	semiannual	72
Oct-12	136	5	2			106.3	106.3	10/11/2012	semiannual	73
May-13	101	5	2			118.5	118.5	5/17/2013	semiannual	74
Oct-13	88.7	5	2			94.85	94.85	10/11/2013	semiannual	75
May-14	57.6	5	2			73.15	73.15	5/5/2014	semiannual	76
Oct-14	96.2	5	2			76.9	76.9	10/6/2014	semiannual	77
Jul-15	66.9	5	2			81.55	81.55	7/6/2015	semiannual	78
Jul-16	58	5	1			62.45	62.45	7/20/2016	Annual	79
Sep-17	54	5	2			56	56	9/22/2017	Annual	80

MOVING AVERAGE TREND TEST
VDM-9
1,2-DICHLOROETHANE



WELL VDM - 9 : 1,2-DICHLOROETHANE

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
Jan-87		0.6	5	OTAL STD	20.37444					1
Apr-87		0.6	5	TOTAL Sx	2.527139					2
Jul-87	32	0.6	5	TAL MEAN	17.32576					3
Oct-87	5	0.6	5	TOTAL N	66					4
Jan-88	13	0.6	5	TOTAL df	65					5
Apr-88	13	0.6	5			15.75				6
Jul-88	1	0.6	5			8.00				7
Oct-88	19	0.6	5			11.50				8
Jan-89	10	0.6	5			10.75				9
Apr-89	6	0.6	5			9.00				10
Jul-89	9	0.6	5			11.00				11
Oct-89	14	0.6	5			9.75				12
Jan-90	1	0.6	5			7.50				13
Apr-90	19	0.6	5			10.75				14
Jul-90	10	0.6	5			11.00				15
Oct-90	10	0.6	5			10.00				16
Jan-91	14	0.6	5			13.25				17
Apr-91	18	0.6	5			13.00				18
Jul-91	11	0.6	5			13.25				19
Oct-91	6	0.6	5			12.25				20
Jan-92	2.4	0.6	5			9.35				21
Apr-92	27	0.6	5			11.60				22
Jul-92	16.5	0.6	5			12.98				23
Oct-92	16.4	0.6	5			15.58				24
Jan-93	16.9	0.6	5			19.20				25
Apr-93	20.4	0.6	5			17.55				26
Jul-93	4	0.6	5			14.43				27
Oct-93	14	0.6	5			13.83				28
Jan-94	19	0.6	5			14.35				29
Apr-94	13	0.6	5			12.50				30
Jul-94	1	0.6	5			11.75				31
Oct-94	19	0.6	5			13.00				32
Jan-95	17	0.6	5			12.50				33
Apr-95	16	0.6	5			13.25				34
Jul-95	16	0.6	5			17.00				35
Oct-95	28	0.6	2			19.25				36
Apr-96	11	0.6	2			16.5	16.5			37
Sep-96	25	0.6	10			18	18	09/17/96	semiannual	38
Apr-97	11	0.6	10			18	18	04/03/97	semiannual	39
Aug-97	13	0.6	10			12	12	08/27/97	semiannual	40
Mar-98	5	0.6	5			9	9	03/24/98	semiannual	41
Sep-98	12	0.6	5			8.5	8.5	09/22/98	semiannual	42
May-99	17	0.6	10			14.5	14.5	05/11/99	semiannual	43
Sep-99	18	0.6	10			17.5	17.5	09/29/99	semiannual	44
May-00	10	0.6	10			14	14	05/16/00	semiannual	45
Nov-00	10	0.6	5			10	10	11/28/00	semiannual	46
Apr-01	5	0.6	5			7.5	7.5	04/04/01	semiannual	47
Oct-01	19	0.6	5			12	12	10/18/01	semiannual	48
Apr-02	4	0.6	5			11.5	11.5	04/18/02	semiannual	49
Oct-02	10	0.6	5			7	7	10/03/02	semiannual	50
Apr-03	5	0.6	5			7.5	7.5	04/25/03	semiannual	51
Oct-03	11	0.6	5			8	8	10/03/03	semiannual	52
Apr-04	2	0.6	5			6.5	6.5	04/01/04	semiannual	53
Oct-04	8	0.6	5			5	5	10/19/04	semiannual	54
Apr-05	1	0.6	5			4.5	4.5	04/22/05	semiannual	55
Oct-05	9	0.6	5			5	5	10/07/05	semiannual	56
May-06	6.3	0.6	5			7.65	7.65	05/11/06	semiannual	57
Oct-06	138	0.6	5			72.15	72.15	10/18/06	semiannual	58
May-07	29.2	0.6	5			83.6	83.6	05/22/07	semiannual	59
Oct-07	86.9	0.6	5			58.05	58.05	10/25/07	semiannual	60
May-08	20.6	0.6	5			79.3	79.3	05/13/08	semiannual	61
Oct-08	ns	0.6	ns			80	80	10/23/08	semiannual	62
May-09	27.5	0.6	5			24.05	24.05	05/12/09	semiannual	63
Oct-09	58.9	0.6	5			43.2	43.2	10/29/09	semiannual	64
May-10	21.4	0.6	5			40.15	40.15	05/20/10	semiannual	65
Oct-10	54.8	0.6	5			38.1	38.1	10/18/10	semiannual	66
Jun-11	12.3	0.6	5			33.55	33.55	06/02/11	semiannual	67
Oct-11	24	0.6	5			18.15	18.15	10/12/11	semiannual	68
May-12	2	0.6	2			13	13	05/18/12	semiannual	69
Oct-12	3	0.6	2			2.5	2.5	10/11/12	semiannual	70
May-13	2	0.6	2			2.5	2.5	05/17/13	semiannual	71
Oct-13	2	0.6	2			2	2	10/11/13	semiannual	72
Jun-14	2	0.6	2			2	2	05/05/14	semiannual	73
Oct-14	2	0.6	2			2	2	10/06/14	semiannual	74
Jul-15	2	0.6	2			2	2	07/09/15	semiannual	75
Jul-16	1.5	0.6	1.5			1.75	1.75	07/20/16	Annual	76
Sep-17	0.5	0.6	0.5			1	1	09/22/17	Annual	77


MOVING AVERAGE TREND TEST
VDM-10
1,2-DICHLOROETHANE
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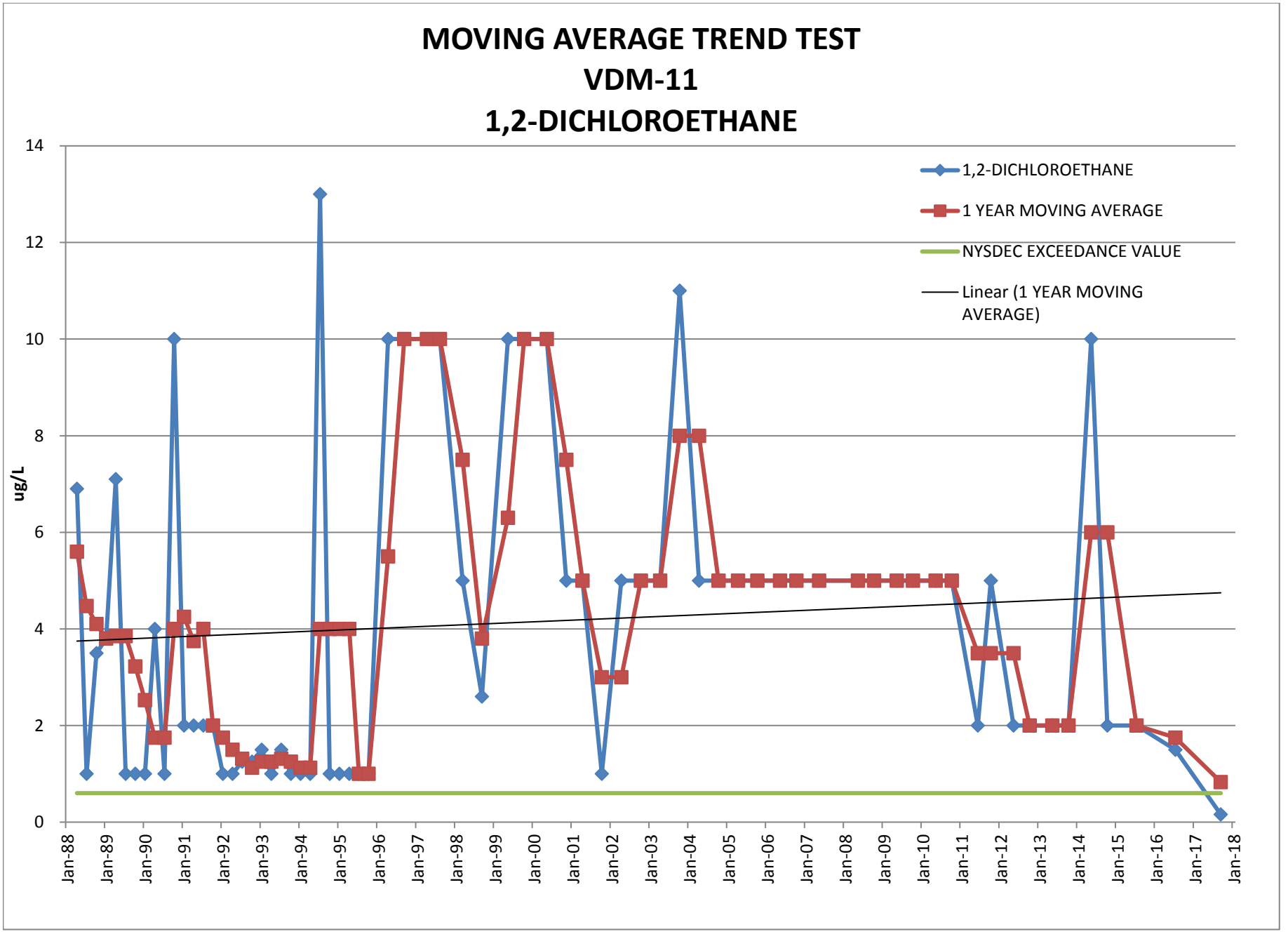
1,2-DICHLOROETHANE
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)

WELL VDM - 10 : 1,2-DICHLOROETHANE

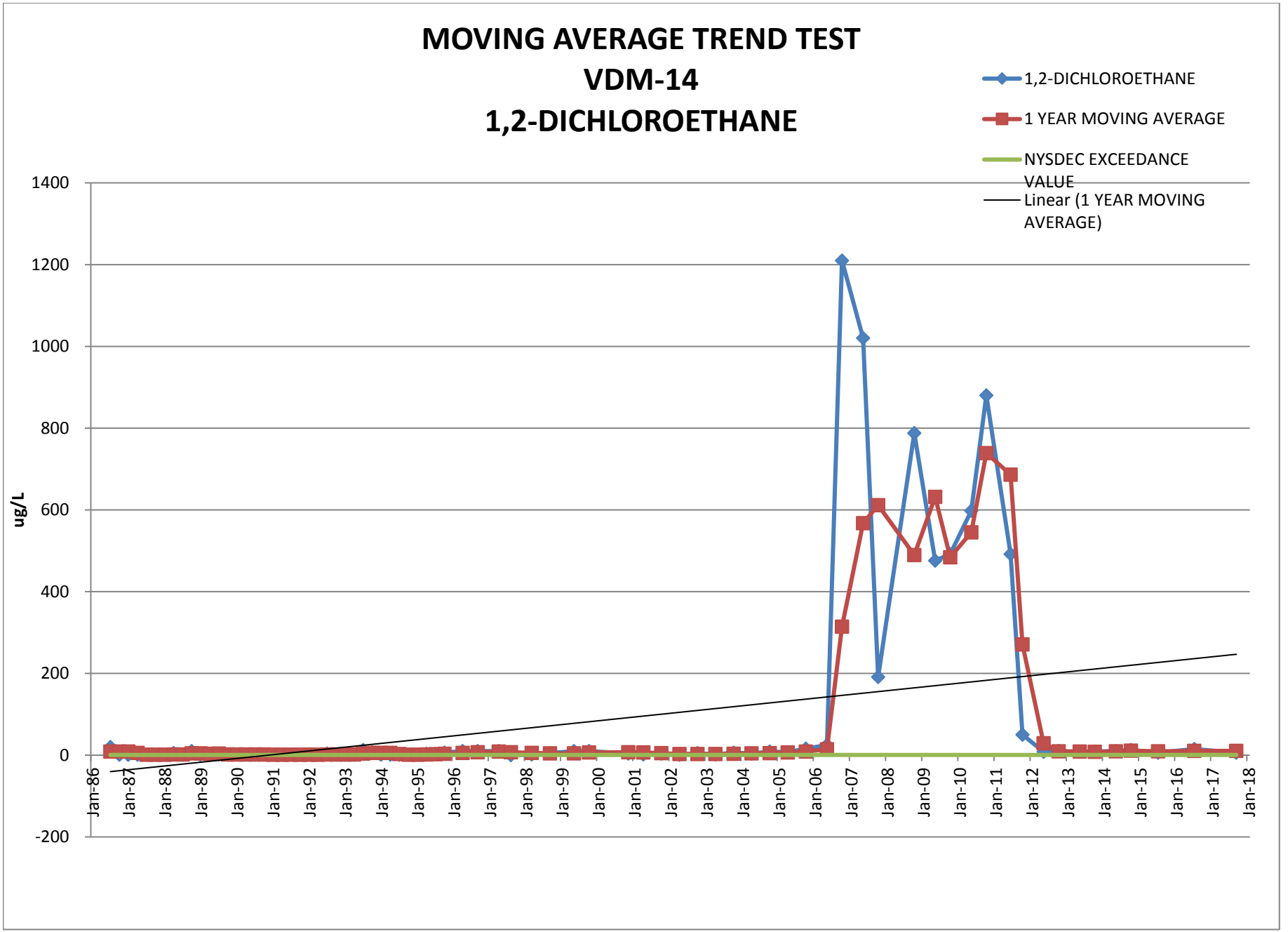
SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETEC LIMIT	STATISTICS		MOVING AVERAGE				EVENT NO.
Jul-84		0.6	5	TOTAL STD	5.4393365					1
Oct-84		0.6	5	TOTAL Sx	0.6280805					2
Jan-85	9.9	0.6	5	TAL MEAN	7.2					3
Apr-85	5	0.6	5	TOTAL N	76	7.45				4
Jul-85	5	0.6	5	TOTAL df	75	6.63				5
Oct-85	10	0.6	5			7.48				6
Jan-86	5	0.6	5			6.25				7
Apr-86	7.2	0.6	5			6.80				8
Jul-86	7.9	0.6	5			7.53				9
Oct-86	7.2	0.6	5			6.83				10
Jan-87	3.3	0.6	5			6.40				11
Apr-87	2.7	0.6	5			5.28				12
Jul-87	1	0.6	5			3.55				13
Oct-87	1	0.6	5			2.00				14
Jan-88	7.6	0.6	5			3.08				15
Apr-88	7.8	0.6	5			4.35				16
Jul-88	23	0.6	5			9.85				17
Oct-88	23	0.6	5			15.35				18
Jan-89	21	0.6	5			18.70				19
Apr-89	20	0.6	5			21.75				20
Jul-89	1	0.6	5			16.25				21
Oct-89	0.2	0.6	5			10.55				22
Jan-90	7	0.6	5			7.05				23
Apr-90	8	0.6	5			4.05				24
Jul-90	11	0.6	5			6.55				25
Oct-90	1	0.6	5			6.75				26
Jan-91	20	0.6	5			10.00				27
Apr-91	7.1	0.6	5			9.78				28
Jul-91	2	0.6	5			7.53				29
Oct-91	3.9	0.6	5			8.25				30
Jan-92	6.4	0.6	5			4.85				31
Apr-92	8	0.6	5			5.08				32
Jul-92	4.7	0.6	5			5.75				33
Oct-92	5.45	0.6	5			6.14				34
Jan-93	14.9	0.6	5			8.26				35
Apr-93	6.75	0.6	5			7.95				36
Jul-93	7.8	0.6	5			8.73				37
Oct-93	21	0.6	5			12.61				38
Jan-94	10	0.6	5			11.39				39
Apr-94	1	0.6	5			9.95				40
Jul-94	9	0.6	5			10.25				41
Oct-94	7.2	0.6	5			6.80				42
Jan-95	2.1	0.6	5			4.83				43
Apr-95	12	0.6	5			7.58				44
Jul-95	18	0.6	5			9.83				45
Oct-95	14	0.6	1			11.53				46
Apr-96	10	0.6	10			13.00	13.00			47
Sep-96	10	0.6	10			10	10	09/17/96	semiannual	48
Apr-97	10	0.6	10			10	10	04/03/97	semiannual	49
Aug-97	12	0.6	10			11	11	08/27/97	semiannual	50
Mar-98	1.4	0.6	5			6.7	6.7	03/24/98	semiannual	51
Sep-98	5.7	0.6	5			3.55	3.55	09/22/98	semiannual	52
May-99	10	0.6	10			7.85	7.85	05/11/99	semiannual	53
Oct-99	10	0.6	10			10	10	10/05/99	semiannual	54
May-00	10	0.6	10			10	10	05/16/00	semiannual	55
Nov-00	4	0.6	5			7	7	11/28/00	semiannual	56
Apr-01	1	0.6	5			2.5	2.5	04/04/01	semiannual	57
Oct-01	5	0.6	5			3	3	10/18/01	semiannual	58
Apr-02	5	0.6	5			5	5	04/18/02	semiannual	59
Oct-02	3	0.6	5			4	4	10/03/02	semiannual	60
Apr-03	2	0.6	5			2.5	2.5	04/25/03	semiannual	61
Oct-03	3	0.6	5			2.5	2.5	10/03/03	semiannual	62
Apr-04	3	0.6	5			3	3	04/01/04	semiannual	63
Oct-04	2	0.6	5			2.5	2.5	10/19/04	semiannual	64
Apr-05	3	0.6	5			2.5	2.5	04/22/05	semiannual	65
Oct-05	3	0.6	5			3	3	10/07/05	semiannual	66
May-06	5	0.6	5			4	4	05/11/06	semiannual	67
Oct-06	5	0.6	5			5	5	10/18/06	semiannual	68
May-07	5	0.6	5			5	5	05/22/07	semiannual	69
Oct-07	5	0.6	5			5	5	10/25/07	semiannual	70
May-08	5	0.6	5			5	5	05/13/08	semiannual	71
Oct-08	5	0.6	5			5	5	10/23/08	semiannual	72
May-09	5	0.6	5			5	5	05/12/09	semiannual	73
Oct-09	5	0.6	5			5	5	10/29/09	semiannual	74
May-10	5	0.6	5			5	5	05/20/10	semiannual	75
Oct-10	5	0.6	5			5	5	10/18/10	semiannual	76
Jun-11	2	0.6	2			3.5	3.5	06/02/11	semiannual	77
Oct-11	5	0.6	5			3.5	3.5	10/12/11	semiannual	78
May-12	2	0.6	2			3.5	3.5	05/18/12	semiannual	79
Oct-12	3.3	0.6	2			2.65	2.65	10/11/12	semiannual	80
May-13	2	0.6	2			2.65	2.65	05/17/13	semiannual	81
Oct-13	2	0.6	2			2	2	10/11/13	semiannual	82
May-14	10	0.6	2			6	6	05/05/14	semiannual	83
Oct-14	2	0.6	2			6	6	10/06/14	semiannual	84
Jul-15	2	0.6	2			2	2	07/09/15	semiannual	85
Jul-16	1.8	0.6	1.5			1.9	1.9	07/20/16	Annual	86
Sep-17	1.2	0.6	0.5			1.5	1.5	09/22/17	Annual	87

MOVING AVERAGE TREND TEST
VDM-11
1,2-DICHLOROETHANE



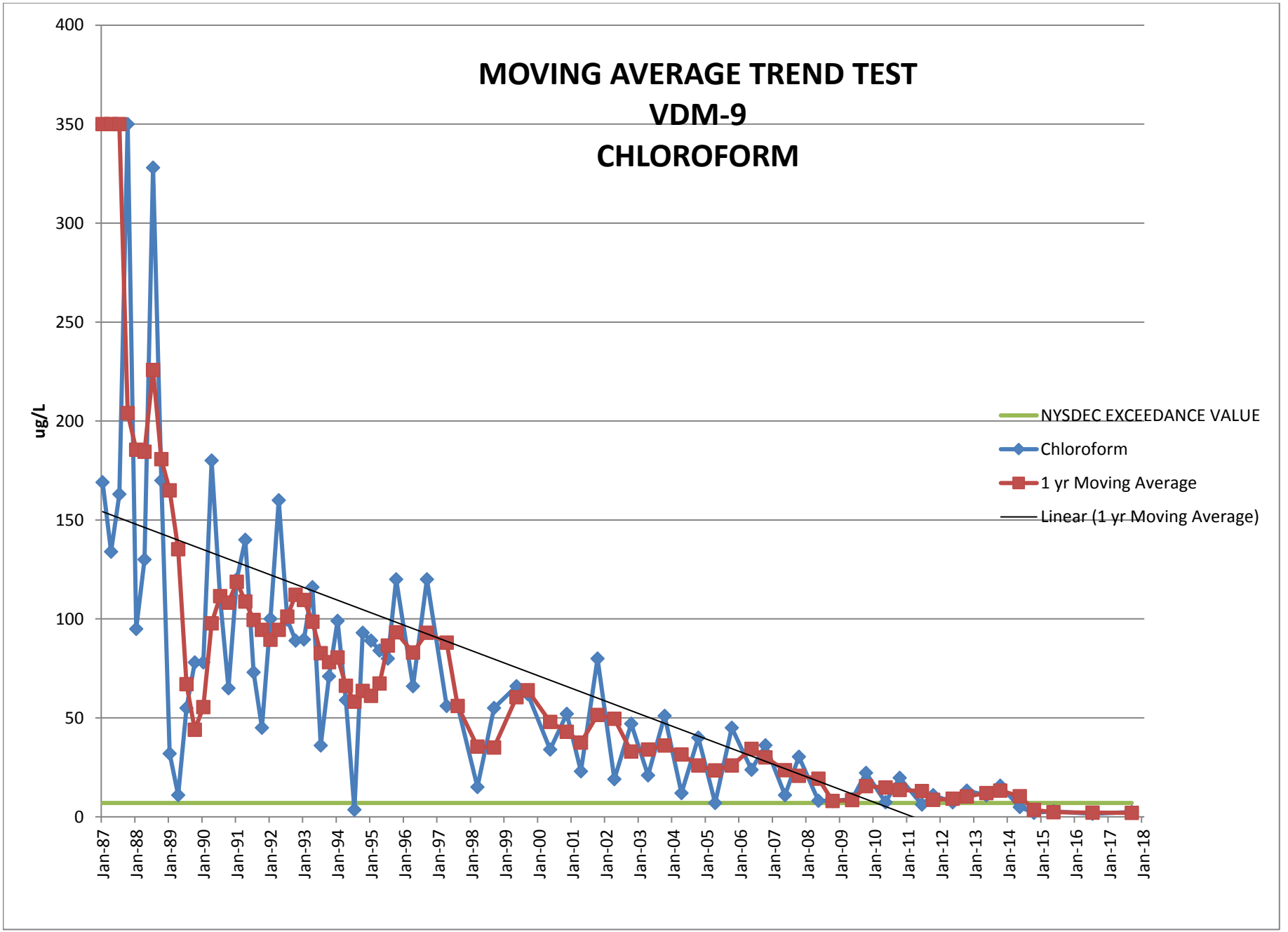
WELL VDM - 11 : 1,2-DICHLOROETHANE

SAMPLING EVENT NO.	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
-	-	-	-	-	-	-				-
Jan-87		0.6	5	TOTAL STD	3.1678					1
Apr-87		0.6	5	TOTAL Sx	0.3929					2
Jul-87	5.5	0.6	5	TOTAL MEAI	4.2712					3
Oct-87	5	0.6	5	TOTAL N	66					4
Jan-88	5	0.6	5	TOTAL df	65					5
Apr-88	6.9	0.6	5			5.60				6
Jul-88	1	0.6	5			4.48				7
Oct-88	3.5	0.6	5			4.10				8
Jan-89	3.8	0.6	5			3.80				9
Apr-89	7.1	0.6	5			3.85				10
Jul-89	1	0.6	5			3.85				11
Oct-89	1	0.6	5			3.23				12
Jan-90	1	0.6	5			2.53				13
Apr-90	4	0.6	5			1.75				14
Jul-90	1	0.6	5			1.75				15
Oct-90	10	0.6	5			4.00				16
Jan-91	2	0.6	5			4.25				17
Apr-91	2	0.6	5			3.75				18
Jul-91	2	0.6	5			4.00				19
Oct-91	2	0.6	5			2.00				20
Jan-92	1	0.6	5			1.75				21
Apr-92	1	0.6	5			1.50				22
Jul-92	1.25	0.6	5			1.31				23
Oct-92	1.25	0.6	5			1.13				24
Jan-93	1.5	0.6	5			1.25				25
Apr-93	1	0.6	5			1.25				26
Jul-93	1.5	0.6	5			1.31				27
Oct-93	1	0.6	5			1.25				28
Jan-94	1	0.6	5			1.13				29
Apr-94	1	0.6	5			1.13				30
Jul-94	13	0.6	5			4.00				31
Oct-94	1	0.6	5			4.00				32
Jan-95	1	0.6	5			4.00				33
Apr-95	1	0.6	5			4.00				34
Jul-95	1	0.6	5			1.00				35
Oct-95	1	0.6	1			1.00				36
Apr-96	10	0.6	10			5.5				37
Sep-96	10	0.6	10			10	10	9/17/1996	semiannual	38
Apr-97	10	0.6	10			10	10	4/3/1997	semiannual	39
Aug-97	10	0.6	10			10	10	8/27/1997	semiannual	40
Mar-98	5	0.6	5			7.5	7.5	3/24/1998	semiannual	41
Sep-98	2.6	0.6	5			3.8	3.8	9/22/1998	semiannual	42
May-99	10	0.6	10			6.3	6.3	5/11/1999	semiannual	43
Oct-99	10	0.6	10			10	10	10/5/1999	semiannual	44
May-00	10	0.6	10			10	10	5/16/2000	semiannual	45
Nov-00	5	0.6	5			7.5	7.5	11/28/2000	semiannual	46
Apr-01	5	0.6	5			5	5	4/4/2001	semiannual	47
Oct-01	1	0.6	5			3	3	10/18/2001	semiannual	48
Apr-02	5	0.6	5			3	3	4/18/2002	semiannual	49
Oct-02	5	0.6	5			5	5	10/3/2002	semiannual	50
Apr-03	5	0.6	5			5	5	4/25/2003	semiannual	51
Oct-03	11	0.6	5			8	8	10/3/2003	semiannual	52
Apr-04	5	0.6	5			8	8	4/1/2004	semiannual	53
Oct-04	5	0.6	5			5	5	10/19/2004	semiannual	54
Apr-05	5	0.6	5			5	5	4/22/2005	semiannual	55
Oct-05	5	0.6	5			5	5	10/7/2005	semiannual	56
May-06	5	0.6	5			5	5	5/11/2006	semiannual	57
Oct-06	5	0.6	5			5	5	10/18/2006	semiannual	58
May-07	5	0.6	5			5	5	5/22/2007	semiannual	59
May-08	5	0.6	5			5	5	5/13/2008	semiannual	60
Oct-08	5	0.6	5			5	5	10/23/2008	semiannual	61
May-09	5	0.6	5			5	5	5/12/2009	semiannual	62
Oct-09	5	0.6	5			5	5	10/29/2009	semiannual	63
May-10	5	0.6	5			5	5	5/20/2010	semiannual	64
Oct-10	5	0.6	5			5	5	10/18/2010	semiannual	65
Jun-11	2	0.6	2			3.5	3.5	6/2/2011	semiannual	66
Oct-11	5	0.6	5			3.5	3.5	10/12/2011	semiannual	67
May-12	2	0.6	2			3.5	3.5	5/18/2012	semiannual	68
Oct-12	2	0.6	2			2	2	10/11/2012	semiannual	69
May-13	2	0.6	2			2	2	5/17/2013	semiannual	70
Oct-13	2	0.6	2			2	2	10/11/2013	semiannual	71
May-14	10	0.6	10			6	6	5/5/2014	semiannual	72
Oct-14	2	0.6	2			6	6	10/6/2014	semiannual	73
Jul-15	2	0.6	2			2	2	7/9/2015	semiannual	74
Jul-16	1.5	0.6	1.5			1.75	1.75	7/20/2016	Annual	75
Sep-17	0.16	0.6	0.5			0.83	0.83	9/22/2017	Annual	76


MOVING AVERAGE TREND TEST
VDM-14
1,2-DICHLOROETHANE
1,2-DICHLOROETHANE
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)
ug/L
1400
1200
1000
800
600
400
200
0
-200
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
Jan-18

WELL VDM - 14 : 1,2-DICHLOROETHANE

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
----------	-	-	-	-	-	-				-
Oct-85	1	0.6	5	TOTAL STI	248.0113					1
Jan-86	1	0.6	5	TOTAL Sx	29.43352					2
Apr-86	13	0.6	5	OTAL MEA	89.84444					3
Jul-86	20	0.6	5	TOTAL N	72	8.75				4
Oct-86	1	0.6	5	TOTAL df	71	8.75				5
Jan-87	1	0.6	5			8.75				6
Apr-87	1	0.6	5			5.75				7
Jul-87	1	0.6	5			1.00				8
Oct-87	1	0.6	5			1.00				9
Jan-88	1	0.6	5			1.00				10
Apr-88	5	0.6	5			2.00				11
Jul-88	1	0.6	5			2.00				12
Oct-88	10	0.6	5			4.25				13
Jan-89	2	0.6	5			4.50				14
Apr-89	1	0.6	5			3.50				15
Jul-89	2	0.6	5			3.75				16
Oct-89	1	0.6	5			1.50				17
Jan-90	2	0.6	5			1.50				18
Apr-90	2	0.6	5			1.75				19
Jul-90	1	0.6	5			1.50				20
Oct-90	1	0.6	5			1.50				21
Jan-91	1.25	0.6	5			1.31				22
Apr-91	1.25	0.6	5			1.13				23
Jul-91	1.5	0.6	5			1.25				24
Oct-91	1	0.6	5			1.25				25
Jan-92	1.5	0.6	5			1.31				26
Apr-92	1	0.6	5			1.25				27
Jul-92	3.8	0.6	5			1.83				28
Oct-92	1	0.6	5			1.83				29
Jan-93	1	0.6	5			1.70				30
Apr-93	1	0.6	5			1.70				31
Jul-93	13	0.6	5			4.00				32
Oct-93	7.3	0.6	5			5.58				33
Jan-94	1.6	0.6	5			5.73				34
Apr-94	1	0.6	5			5.73				35
Jul-94	1	0.6	5			2.73				36
Oct-94	1.1	0.6	5			1.18				37
Jan-95	1	0.6	5			1.03				38
Apr-95	3.3	0.6	5			1.60				39
Jul-95	3.5	0.6	5			2.23				40
Oct-95	5.9	0.6	2			3.43				41
Apr-96	10	0.6	10			5.68				42
Sep-96	10	0.6	10			7.35	10.00	9/17/1996	semiannual	43
Apr-97	10	0.6	10			8.98	10.00	4/3/1997	semiannual	44
Aug-97	ND*	0.6	100			7.50	#VALUE!	8/27/1997	semiannual	45
Mar-98	1.9	0.6	5			5.48	#VALUE!	3/24/1998	semiannual	46
Sep-98	5.1	0.6	5			4.25	3.50	9/22/1998	semiannual	47
May-99	10	0.6	10			4.25	7.55	5/11/1999	semiannual	48
Oct-99	10	0.6	10			6.75	10.00	10/5/1999	semiannual	49
Nov-00	4	0.6	5			7.28	7.00	11/28/2000	semiannual	50
Apr-01	2	0.6	5			6.50	3.00	4/4/2001	semiannual	51
Oct-01	4	0.6	5			5.00	3.00	10/18/2001	semiannual	52
Apr-02	1	0.6	5			2.75	2.50	4/18/2002	semiannual	53
Oct-02	5	0.6	25			3.00	3.00	10/3/2002	semiannual	54
Apr-03	2	0.6	10			3.00	3.50	4/25/2003	semiannual	55
Oct-03	6	0.6	5			3.50	4.00	10/3/2003	semiannual	56
Apr-04	4	0.6	10			4.25	5.00	4/1/2004	semiannual	57
Oct-04	9	0.6	10			5.25	6.50	10/19/2004	semiannual	58
Apr-05	7	0.6	10			6.50	8.00	4/22/2005	semiannual	59
Oct-05	16	0.6	10			9.00	11.50	10/7/2005	semiannual	60
May-06	24.6	0.6	10			14.15	20.30	5/11/2006	semiannual	61
Oct-06	1210	0.6	10			314.40	617.30	10/18/2006	semiannual	62
May-07	1020	0.6	10			567.65	1115.00	5/22/2007	semiannual	63
Oct-07	191	0.6	10			611.40	605.50	10/25/2007	semiannual	64
Oct-08	788	0.6	10			489.50	489.50	10/23/2008	semiannual	65
May-09	476	0.6	25			632.00	632.00	5/12/2009	semiannual	66
Oct-09	492	0.6	25			484.00	484.00	10/29/2009	semiannual	67
May-10	598	0.6	25			545.00	545.00	5/20/2010	semiannual	68
Oct-10	880	0.6	25			739.00	739.00	10/18/2010	semiannual	69
Jun-11	492	0.6	25			686.00	686.00	6/2/2011	semiannual	70
Oct-11	50	0.6	50			271.00	271.00	10/12/2011	semiannual	71
May-12	8.2	0.6	2			29.10	29.10	5/18/2012	semiannual	72
Oct-12	10.2	0.6	2			9.20	9.20	10/11/2012	semiannual	73
May-13	8.1	0.6	2			9.15	9.15	5/17/2013	semiannual	74
Oct-13	8.7	0.6	2			8.40	8.40	10/11/2013	semiannual	75
May-14	10	0.6	10			9.35	9.35	5/5/2014	semiannual	76
Oct-14	12.6	0.6	2			11.30	11.30	10/6/2014	semiannual	77
Jul-15	6	0.6	2			9.30	9.30	7/6/2015	semiannual	78
Jul-16	15	0.6	1.5			10.50	10.50	7/20/2016	Annual	79
Sep-17	6.3	0.6	2			10.65	10.65	9/22/2017	Annual	80


MOVING AVERAGE TREND TEST
VDM-9
CHLOROFORM
ug/L
400
350
300
250
200
150
100
50
0
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
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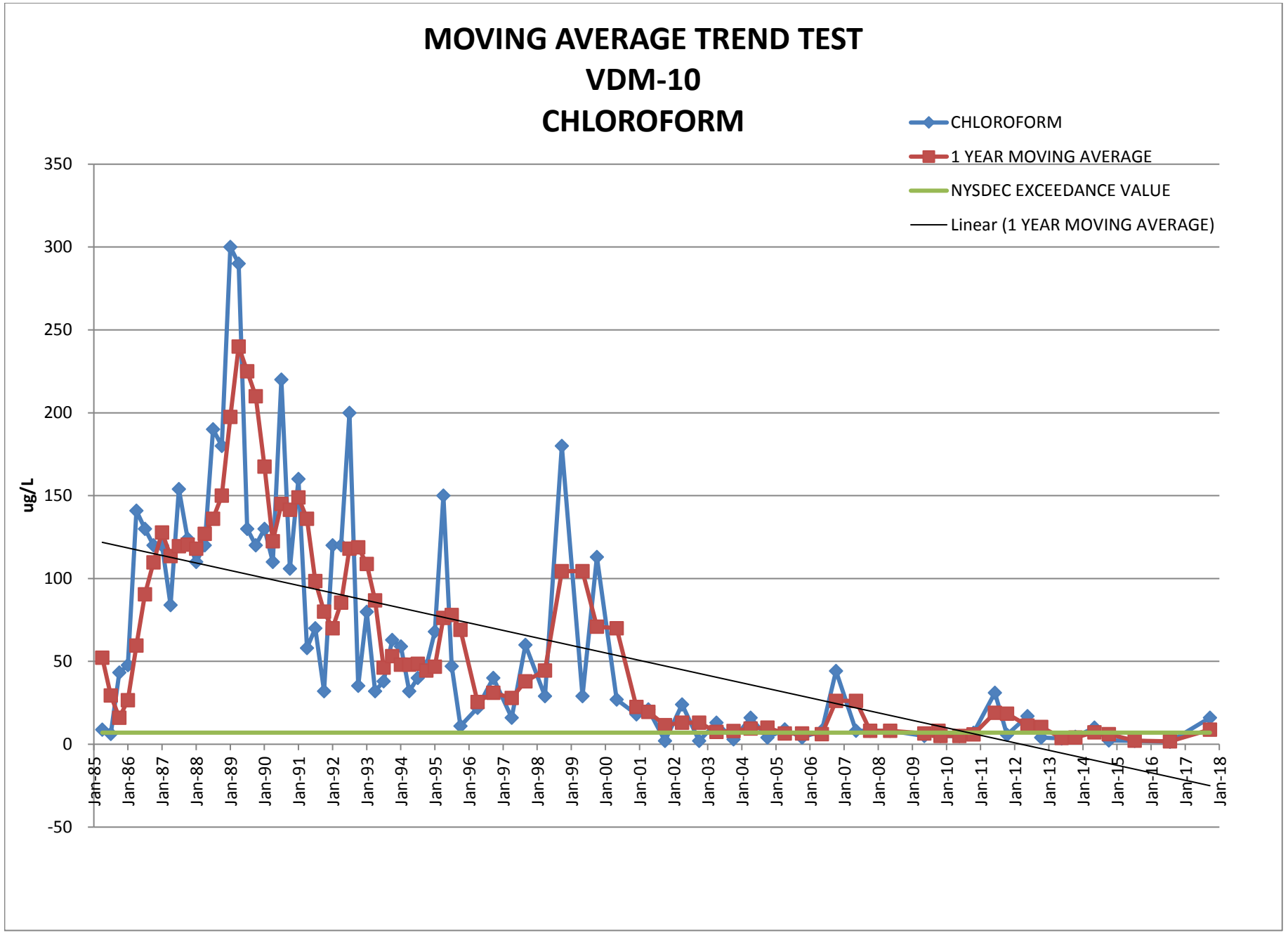
Jan-16
Jan-17
Jan-18
NYSDEC EXCEEDANCE VALUE
Chloroform
1 yr Moving Average
Linear (1 yr Moving Average)

WELL VDM - 9 : CHLOROFORM

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATS		1 YEAR MOVING AVG				EVENT NO.
Jan-87	169	7	8	OTAL STD	65.47997	350.00				1
Apr-87	134	7	8	TOTAL Sx	7.999651	350.00				2
Jul-87	163	7	8	TAL MEAN	74.04265	350.00				3
Oct-87	350	7	8	TOTAL N	68	204.00				4
Jan-88	95	7	8	TOTAL df	67	185.50				5
Apr-88	130	7	8			184.50				6
Jul-88	328	7	8			225.75				7
Oct-88	170	7	8			180.75				8
Jan-89	32	7	8			165.00				9
Apr-89	11	7	8			135.25				10
Jul-89	55	7	8			67.00				11
Oct-89	78	7	8			44.00				12
Jan-90	78	7	8			55.50				13
Apr-90	180	7	8			97.75				14
Jul-90	110	7	8			111.50				15
Oct-90	65	7	8			108.25				16
Jan-91	120	7	8			118.75				17
Apr-91	140	7	8			108.75				18
Jul-91	73	7	8			99.50				19
Oct-91	45	7	8			94.50				20
Jan-92	100	7	8			89.50				21
Apr-92	160	7	8			94.50				22
Jul-92	99.7	7	8			101.18				23
Oct-92	89.1	7	8			112.20				24
Jan-93	89.6	7	8			109.60				25
Apr-93	116	7	8			98.60				26
Jul-93	36	7	8			82.68				27
Oct-93	71	7	8			78.15				28
Jan-94	99	7	8			80.50				29
Apr-94	59	7	8			66.25				30
Jul-94	3.6	7	8			58.15				31
Oct-94	93	7	8			63.65				32
Jan-95	89	7	8			61.15				33
Apr-95	84	7	8			67.40				34
Jul-95	80	7	8			86.50				35
Oct-95	120	7	8			93.25				36
Apr-96	66	7	8			83	83	04/01/96		37
Sep-96	120	7	10			93	93	09/17/96	semiannual	38
Apr-97	56	7	10			88	88	04/03/97	semiannual	39
Aug-97	56	7	10			56	56	08/27/97	semiannual	40
Mar-98	15	7	5			35.5	35.5	03/24/98	Semiannual	41
Sep-98	55	7	5			35	35	09/22/98	Semiannual	42
May-99	66	7	10			60.5	60.5	05/11/99	Semiannual	43
Sep-99	62	7	10			64	64	09/29/99	Semiannual	44
May-00	34	7	10			48	48	05/16/00	Semiannual	45
Nov-00	52	7	5			43	43	11/28/00	Semiannual	46
Apr-01	23	7	5			37.5	37.5	04/04/01	Semiannual	47
Oct-01	80	7	5			51.5	51.5	10/18/01	Semiannual	48
Apr-02	19	7	5			49.5	49.5	04/18/02	semiannual	49
Oct-02	47	7	5			33	33	10/03/02	Semiannual	50
Apr-03	21	7	5			34	34	04/25/03	Semiannual	51
Oct-03	51	7	5			36	36	10/03/03	Semiannual	52
Apr-04	12	7	5			31.5	31.5	04/01/04	Semiannual	53
Oct-04	40	7	5			26	26	10/19/04	Semiannual	54
Apr-05	7	7	5			23.5	23.5	04/22/05	Semiannual	55
Oct-05	45	7	5			26	26	10/07/05	Semiannual	56
May-06	23.8	7	5			34.4	34.4	05/11/06	Semiannual	57
Oct-06	36.2	7	5			30	30	10/18/06	Semiannual	58
May-07	11	7	5			23.6	23.6	05/22/07	Semiannual	59
Oct-07	30.4	7	5			20.7	20.7	10/25/07	Semiannual	60
May-08	8.1	7	5			19.25	19.25	05/13/08	Semiannual	61
Oct-08	8	7	5			8.05	8.05	10/23/08	Semiannual	62
May-09	8.9	7	5			8.45	8.45	05/12/09	Semiannual	63
Oct-09	22.2	7	5			15.55	15.55	10/29/09	Semiannual	64
May-10	7.36	7	5			14.78	14.78	05/20/10	Semiannual	65
Oct-10	19.7	7	5			13.53	13.53	10/18/10	Semiannual	66
Jun-11	6.24	7	5			12.97	12.97	06/02/11	Semiannual	67
Oct-11	11	7	5			8.62	8.62	10/12/11	Semiannual	68
May-12	7.3	7	2			9.15	9.15	05/18/12	Semiannual	69
Oct-12	13.2	7	2			10.25	10.25	10/11/12	semiannual	70
May-13	10.8	7	2			12	12	05/17/13	semiannual	71
Oct-13	15.7	7	2			13.25	13.25	10/11/13	semiannual	72
May-14	5	7	2			10.35	10.35	05/06/14	semiannual	73
Oct-14	2	7	2			3.5	3.5	10/06/14	semiannual	74
May-15	2.8	7	2			2.4	2.4	05/15/15	semiannual	75
Jul-16	1.5	7	1.5			2.15	2.15	07/20/16	Annual	76
Sep-17	2.5	7	2.5			2	2	09/22/17	Annual	77


MOVING AVERAGE TREND TEST
VDM-10
CHLOROFORM
CHLOROFORM
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)
ug/L
350
300
250
200
150
100
50
0
-50
Jan-85
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
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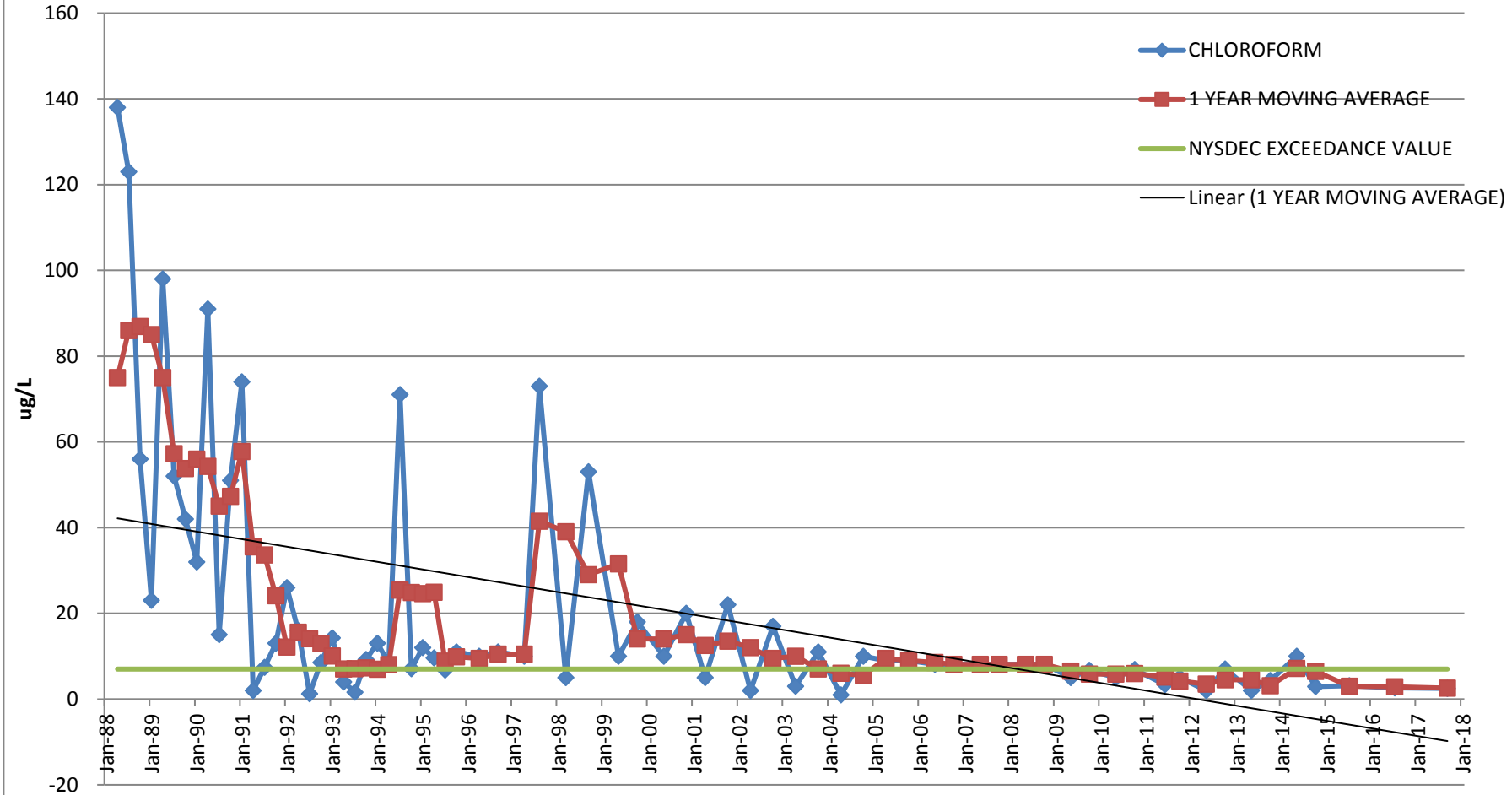
Jan-15
Jan-16
Jan-17
Jan-18

WELL VDM - 10 : CHLOROFORM

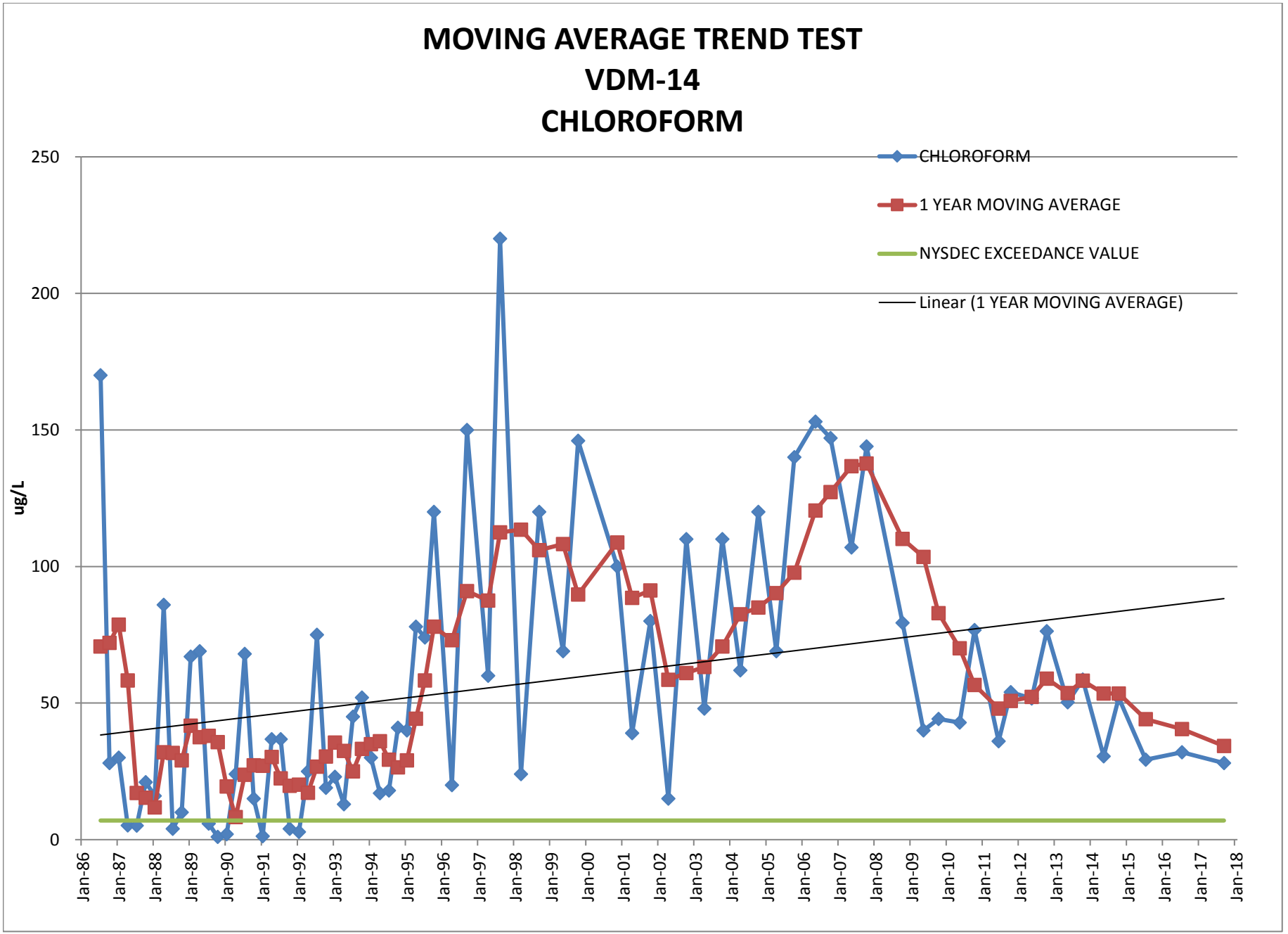
SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETEC LIMIT	STATISTICS		MOVING AVERAGE				EVENT NO.
Jul-84	97.6	7	8	TOTAL STD	68.054206					1
Oct-84	96.46	7	8	TOTAL Sx	7.7554965					2
Jan-85	5.97	7	8	TAL MEAN	69.521667					3
Apr-85	8.8	7	8	TOTAL N	78	52.21				4
Jul-85	6.3	7	8	TOTAL df	77	29.38				5
Oct-85	43.2	7	8			16.07				6
Jan-86	47.8	7	8			26.53				7
Apr-86	141	7	8			59.58				8
Jul-86	130	7	8			90.50				9
Oct-86	120	7	8			109.70				10
Jan-87	120	7	8			127.75				11
Apr-87	84	7	8			113.50				12
Jul-87	154	7	8			119.50				13
Oct-87	124	7	8			120.50				14
Jan-88	110	7	8			118.00				15
Apr-88	120	7	8			127.00				16
Jul-88	190	7	8			136.00				17
Oct-88	180	7	8			150.00				18
Jan-89	300	7	8			197.50				19
Apr-89	290	7	8			240.00				20
Jul-89	130	7	8			225.00				21
Oct-89	120	7	8			210.00				22
Jan-90	130	7	8			167.50				23
Apr-90	110	7	8			122.50				24
Jul-90	220	7	8			145.00				25
Oct-90	106	7	8			141.50				26
Jan-91	160	7	8			149.00				27
Apr-91	58	7	8			136.00				28
Jul-91	70	7	8			98.50				29
Oct-91	32	7	8			80.00				30
Jan-92	120	7	8			70.00				31
Apr-92	120	7	8			85.50				32
Jul-92	200	7	8			118.00				33
Oct-92	35.3	7	8			118.83				34
Jan-93	79.9	7	8			108.80				35
Apr-93	32	7	8			86.80				36
Jul-93	38	7	8			46.30				37
Oct-93	63	7	8			53.23				38
Jan-94	59	7	8			48.00				39
Apr-94	32	7	8			48.00				40
Jul-94	40	7	8			48.50				41
Oct-94	47	7	8			44.50				42
Jan-95	68	7	8			46.75				43
Apr-95	150	7	8			76.25				44
Jul-95	47	7	8			78.00				45
Oct-95	11	7	4			69.00				46
Apr-96	22	7	4			25.5				47
Sep-96	40	7	10			31	31	09/17/96	semiannual	48
Apr-97	16	7	10			28	28	04/03/97	semiannual	49
Aug-97	60	7	10			38	38	08/27/97	semiannual	50
Mar-98	29	7	10			44.5	44.5	03/24/98	semiannual	51
Sep-98	180	7	5			104.5	104.5	09/22/98	semiannual	52
May-99	29	7	10			104.5	104.5	05/11/99	semiannual	53
Oct-99	113	7	10			71	71	10/05/99	semiannual	54
May-00	27	7	10			70	70	05/16/00	semiannual	55
Nov-00	18	7	5			22.5	22.5	11/28/00	semiannual	56
Apr-01	21	7	5			19.5	19.5	04/04/01	semiannual	57
Oct-01	2	7	5			11.5	11.5	10/18/01	semiannual	58
Apr-02	24	7	5			13	13	04/18/01	semiannual	59
Oct-02	2	7	5			13	13	10/03/02	semiannual	60
Apr-03	13	7	5			7.5	7.5	04/25/03	semiannual	61
Oct-03	3	7	5			8	8	10/03/03	semiannual	62
Apr-04	16	7	5			9.5	9.5	04/01/04	semiannual	63
Oct-04	4	7	5			10	10	10/19/04	semiannual	64
Apr-05	9	7	5			6.5	6.5	04/22/05	semiannual	65
Oct-05	4	7	5			6.5	6.5	10/07/05	semiannual	66
May-06	8.1	7	5			6.05	6.05	05/11/06	semiannual	67
Oct-06	44.2	7	5			26.15	26.15	10/18/06	semiannual	68
May-07	8.1	7	5			26.15	26.15	05/22/04	semiannual	69
Oct-07	8.1	7	5			8.1	8.1	10/25/07	semiannual	70
May-08	8.1	7	5			8.1	8.1	05/13/08	semiannual	71
Oct-09	8.1	7	2			8.1	8.1	10/23/08	semiannual	72
May-09	5	7	5			6.55	6.55	05/09/09	semiannual	73
Oct-09	5	7	5			5	5	10/29/09	semiannual	74
May-10	5	7	5			5	5	05/20/10	semiannual	75
Oct-10	6.86	7	5			5.93	5.93	10/18/10	semiannual	76
Jun-11	31.1	7	5			18.98	18.98	06/02/11	semiannual	77
Oct-11	5.7	7	5			18.4	18.4	10/12/11	semiannual	78
May-12	16.9	7	2			11.3	11.3	05/18/12	semiannual	79
Oct-12	4.1	7	2			10.5	10.5	10/11/12	semiannual	80
May-13	3.5	7	2			3.8	3.8	05/17/13	semiannual	81
Oct-13	4.5	7	2			4	4	10/11/13	semiannual	82
May-14	10	7	10			7.25	7.25	05/05/14	semiannual	83
Oct-14	2.3	7	2			6.15	6.15	10/06/14	semiannual	84
Jul-15	2	7	2			2.15	2.15	07/09/15	semiannual	85
Jul-16	1.5	7	1.5			1.75	1.75	07/20/16	Annual	86
Sep-17	16	7	2.5			8.75	8.75	09/22/17	Annual	87

MOVING AVERAGE TREND TEST
VDM-11
CHLOROFORM



WELL VDM - 11 : CHLOROFORM

SAMPLING EVENT NO.	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
-	-	-	-	-	-	-				-
Jan-87		7	8	TOTAL STD	29.9605					1
Apr-87		7	8	TOTAL Sx	3.6879					2
Jul-87	79.2	7	8	TOTAL MEAI	23.7433					3
Oct-87	52.2	7	8	TOTAL N	67					4
Jan-88	30.7	7	8	TOTAL df	66					5
Apr-88	138	7	8			75.03				6
Jul-88	123	7	8			85.98				7
Oct-88	56	7	8			86.93				8
Jan-89	23	7	8			85.00				9
Apr-89	98	7	8			75.00				10
Jul-89	52	7	8			57.25				11
Oct-89	42	7	8			53.75				12
Jan-90	32	7	8			56.00				13
Apr-90	91	7	8			54.25				14
Jul-90	15	7	8			45.00				15
Oct-90	51	7	8			47.25				16
Jan-91	74	7	8			57.75				17
Apr-91	2	7	8			35.50				18
Jul-91	7.4	7	8			33.60				19
Oct-91	13	7	8			24.10				20
Jan-92	26	7	8			12.10				21
Apr-92	16	7	8			15.60				22
Jul-92	1.25	7	8			14.06				23
Oct-92	8.55	7	8			12.95				24
Jan-93	14.3	7	8			10.03				25
Apr-93	4	7	8			7.03				26
Jul-93	1.58	7	8			7.11				27
Oct-93	9.2	7	8			7.27				28
Jan-94	13	7	8			6.95				29
Apr-94	8.4	7	8			8.05				30
Jul-94	71	7	8			25.40				31
Oct-94	7.1	7	8			24.88				32
Jan-95	12	7	8			24.63				33
Apr-95	9.6	7	8			24.93				34
Jul-95	6.8	7	8			8.88				35
Oct-95	11	7	4			9.85				36
Apr-96	10	7	10			9.45				37
Sep-96	11	7	10			10.5	10.5	9/17/1996	semiannual	38
Apr-97	10	7	10			10.5	10.5	4/3/1997	semiannual	39
Aug-97	73	7	10			41.5	41.5	8/27/1997	semiannual	40
Mar-98	5	7	5			39	39	3/24/1998	semiannual	41
Sep-98	53	7	5			29	29	9/22/1998	semiannual	42
May-99	10	7	10			31.5	31.5	5/11/1999	semiannual	43
Oct-99	18	7	10			14	14	10/5/1999	semiannual	44
May-00	10	7	10			14	14	5/16/2000	semiannual	45
Nov-00	20	7	5			15	15	11/28/2000	semiannual	46
Apr-01	5	7	5			12.5	12.5	4/4/2001	semiannual	47
Oct-01	22	7	5			13.5	13.5	10/18/2001	semiannual	48
Apr-02	2	7	5			12	12	4/18/2002	semiannual	49
Oct-02	17	7	5			9.5	9.5	10/3/2002	semiannual	50
Apr-03	3	7	5			10	10	4/25/2003	semiannual	51
Oct-03	11	7	5			7	7	10/3/2003	semiannual	52
Apr-04	1	7	5			6	6	4/1/2004	semiannual	53
Oct-04	10	7	5			5.5	5.5	10/19/2004	semiannual	54
Apr-05	9	7	5			9.5	9.5	4/22/2005	semiannual	55
Oct-05	9	7	5			9	9	10/7/2005	semiannual	56
May-06	8.1	7	5			8.55	8.55	5/11/2006	semiannual	57
Oct-06	8.1	7	5			8.1	8.1	10/18/2006	semiannual	58
May-07	8.1	7	5			8.1	8.1	5/22/2007	semiannual	59
Oct-07	8.1	7	5			8.1	8.1	10/25/2007	semiannual	60
May-08	8.1	7	5			8.1	8.1	5/13/2008	semiannual	61
Oct-08	8.1	7	5			8.1	8.1	10/23/2008	semiannual	62
May-09	5	7	5			6.55	6.55	5/12/2009	semiannual	63
Oct-09	6.69	7	5			5.845	5.845	10/29/2009	semiannual	64
May-10	5	7	5			5.845	5.845	5/20/2010	semiannual	65
Oct-10	6.87	7	5			5.935	5.935	10/18/2010	semiannual	66
Jun-11	3.36	7	5			5.115	5.115	6/2/2011	semiannual	67
Oct-11	5	7	5			4.18	4.18	10/12/2011	semiannual	68
May-12	2	7	2			3.5	3.5	5/18/2012	semiannual	69
Oct-12	7	7	2			4.5	4.5	10/11/2012	semiannual	70
May-13	2	7	2			4.5	4.5	5/17/2013	semiannual	71
Oct-13	4.3	7	2			3.15	3.15	10/11/2013	semiannual	72
May-14	10	7	10			7.15	7.15	5/5/2014	semiannual	73
Oct-14	2.9	7	2			6.45	6.45	10/6/2014	semiannual	74
Jul-15	3.1	7	2			3	3	7/9/2015	semiannual	75
Jul-16	2.6	7	1.5			2.85	2.85	7/20/2016	Annual	76
Sep-17	2.5	7	2.5			2.55	2.55	9/22/2017	Annual	77


MOVING AVERAGE TREND TEST
VDM-14
CHLOROFORM
CHLOROFORM
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)
ug/L
250
200
150
100
50
0
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
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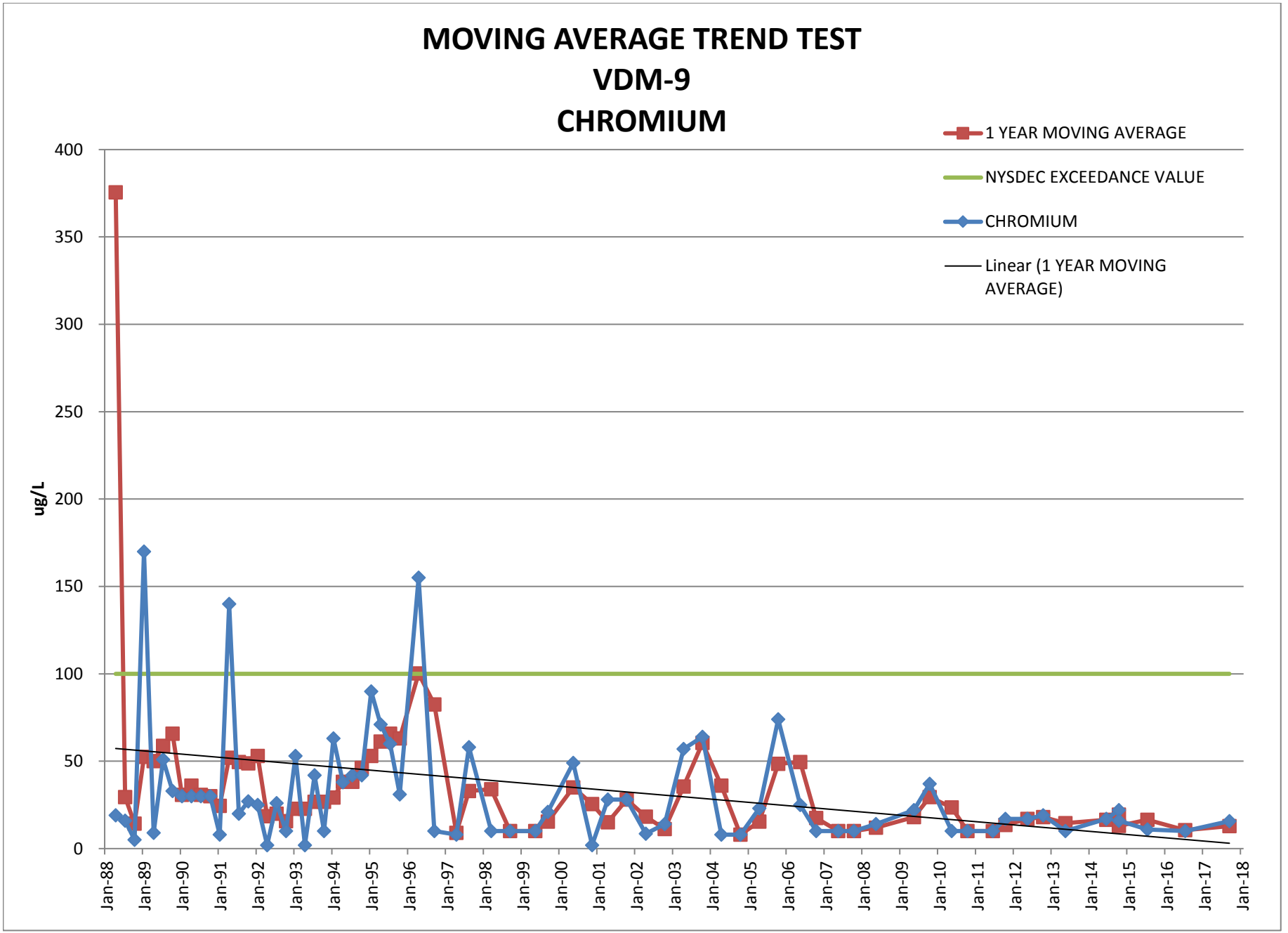
Jan-15
Jan-16
Jan-17
Jan-18

WELL VDM - 14 : CHLOROFORM

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
----------	-	-	-	-	-	-				-
Oct-85	22.7	7	8	TOTAL STI	48.67501					1
Jan-86	3.2	7	8	TOTAL Sx	5.776661					2
Apr-86	87	7	8	OTAL MEA	57.91181					3
Jul-86	170	7	8	TOTAL N	72	70.73				4
Oct-86	28	7	8	TOTAL df	71	72.05				5
Jan-87	30	7	8			78.75				6
Apr-87	5.2	7	8			58.30				7
Jul-87	5.1	7	8			17.08				8
Oct-87	21	7	8			15.33				9
Jan-88	16	7	8			11.83				10
Apr-88	86	7	8			32.03				11
Jul-88	4	7	8			31.75				12
Oct-88	10	7	8			29.00				13
Jan-89	67	7	8			41.75				14
Apr-89	69	7	8			37.50				15
Jul-89	5.9	7	8			37.98				16
Oct-89	1	7	8			35.73				17
Jan-90	2	7	8			19.48				18
Apr-90	24	7	8			8.23				19
Jul-90	68	7	8			23.75				20
Oct-90	15	7	8			27.25				21
Jan-91	1.25	7	8			27.06				22
Apr-91	36.8	7	8			30.26				23
Jul-91	36.8	7	8			22.46				24
Oct-91	4	7	8			19.71				25
Jan-92	2.8	7	8			20.10				26
Apr-92	25	7	8			17.15				27
Jul-92	75	7	8			26.70				28
Oct-92	19	7	8			30.45				29
Jan-93	23	7	8			35.50				30
Apr-93	13	7	8			32.50				31
Jul-93	45	7	8			25.00				32
Oct-93	52	7	8			33.25				33
Jan-94	30	7	8			35.00				34
Apr-94	17	7	8			36.00				35
Jul-94	18	7	8			29.25				36
Oct-94	41	7	8			26.50				37
Jan-95	40	7	8			29.00				38
Apr-95	78	7	8			44.25				39
Jul-95	74	7	8			58.25				40
Oct-95	120	7	8			78.00				41
Apr-96	20	7	8			73.00				42
Sep-96	150	7	10			91.00	85	9/17/1996	semiannual	43
Apr-97	60	7	10			87.50	105	4/3/1997	semiannual	44
Aug-97	220	7	100			112.50	140	8/27/1997	semiannual	45
Mar-98	24	7	5			113.50	122	3/24/1998	semiannual	46
Sep-98	120	7	5			106.00	72	9/22/1998	semiannual	47
May-99	69	7	10			108.25	94.5	5/11/1999	semiannual	48
Oct-99	146	7	10			89.75	107.5	10/5/1999	semiannual	49
Nov-00	100	7	5			108.75	123	11/28/2000	semiannual	50
Apr-01	39	7	5			88.50	69.5	4/4/2001	semiannual	51
Oct-01	80	7	5			91.25	59.5	10/18/2001	semiannual	52
Apr-02	15	7	5			58.50	47.5	4/18/2002	semiannual	53
Oct-02	110	7	25			61.00	62.5	10/3/2002	semiannual	54
Apr-03	48	7	10			63.25	79	4/25/1993	semiannual	55
Oct-03	110	7	5			70.75	79	10/3/2003	semiannual	56
Apr-04	62	7	5			82.50	86	4/1/2004	semiannual	57
Oct-04	120	7	5			85.00	91	10/19/2004	semiannual	58
Apr-05	69	7	5			90.25	94.5	4/22/2005	semiannual	59
Oct-05	140	7	5			97.75	104.5	10/7/2005	semiannual	60
May-06	153	7	5			120.50	146.5	5/11/2006	semiannual	61
Oct-06	147	7	5			127.25	150	10/18/2006	semiannual	62
May-07	107	7	5			136.75	127	5/22/2007	semiannual	63
Oct-07	144	7	5			137.75	125.5	10/25/2007	semiannual	64
Oct-08	79.4	7	5			110.13	111.7	10/23/2008	semiannual	65
May-09	40	7	5			103.48	59.7	5/12/2009	semiannual	66
Oct-09	44.2	7	5			82.92	42.1	10/29/2009	semiannual	67
May-10	42.9	7	5			70.10	43.55	5/20/2010	semiannual	68
Oct-10	76.7	7	5			56.64	59.8	10/18/2010	semiannual	69
Jun-11	36	7	5			47.96	56.35	6/2/2011	semiannual	70
Oct-11	54	7	50			50.76	45	10/12/2011	semiannual	71
May-12	51.7	7	2			52.26	52.85	5/18/2012	semiannual	72
Oct-12	76.3	7	2			58.94	64	10/11/2012	semiannual	73
May-13	50.3	7	2			53.66	63.3	5/17/2013	semiannual	74
Oct-13	58.6	7	2			58.18	54.45	10/11/2013	semiannual	75
May-14	30.5	7	2			53.48	44.55	5/5/2014	semiannual	76
Oct-14	51.9	7	2			53.52	41.2	10/6/2014	semiannual	76
Jul-15	29.3	7	2			44.12	40.6	7/9/2015	semiannual	77
Jul-16	32	7	1.5			40.46	30.65	7/20/2016	Annual	78
Sep-17	28	7	10			34.34	30	9/22/2017	Annual	79


MOVING AVERAGE TREND TEST
VDM-9
CHROMIUM
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
CHROMIUM
Linear (1 YEAR MOVING AVERAGE)
ug/L
400
350
300
250
200
150
100
50
0
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
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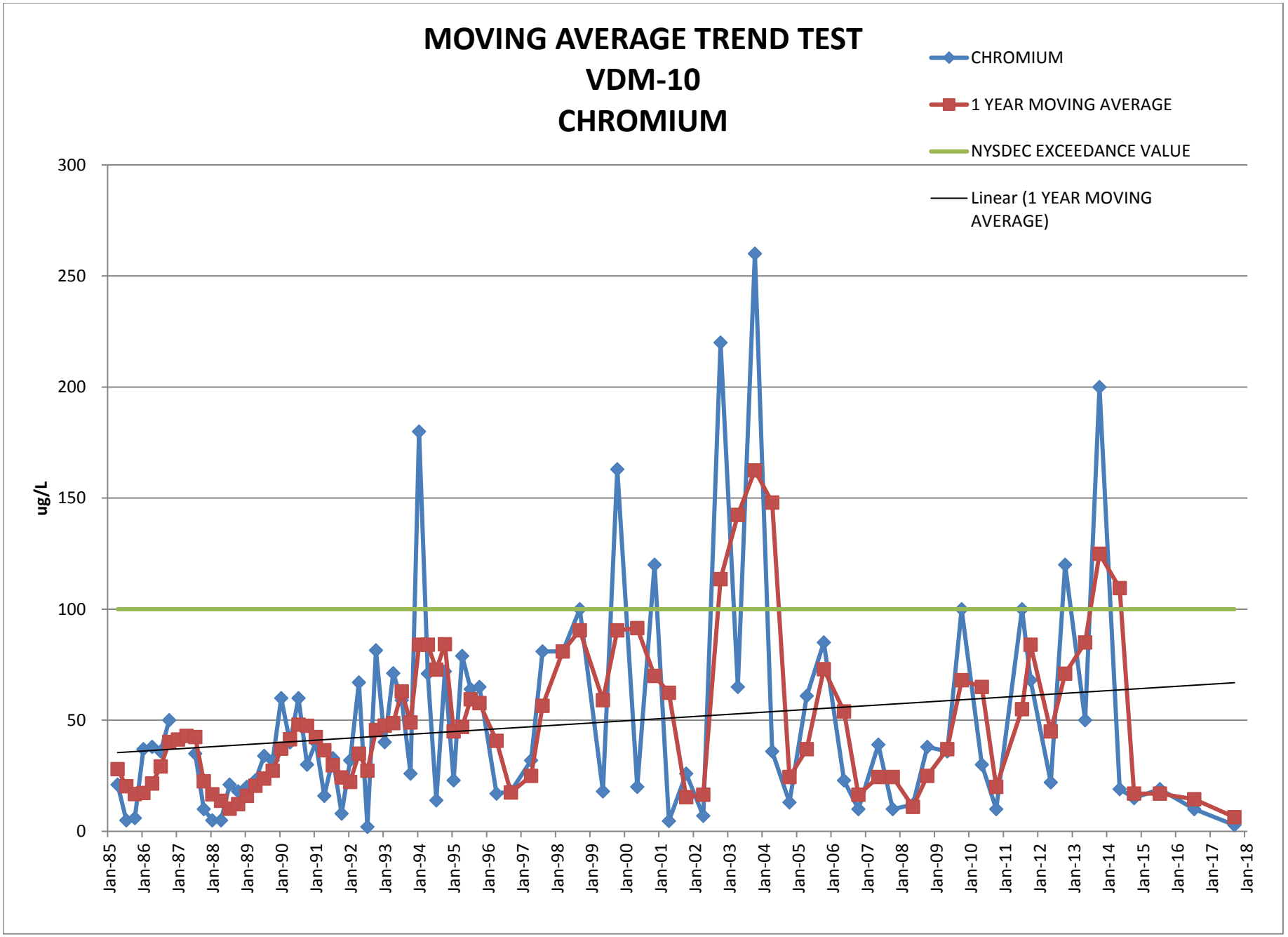
Jan-17
Jan-18

WELL VDM - 9 : CHROMIUM

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
Jan-87	190	100	50	OTAL STD	170.5499					1
Apr-87	190	100	50	TOTAL Sx	20.99324					2
Jul-87	1400	100	50	TAL MEAN	58.33582					3
Oct-87	66	100	50	TOTAL N	67	461.5				4
Jan-88	17	100	50	TOTAL df	66	418.25				5
Apr-88	19	100	50			375.5				6
Jul-88	16	100	50			29.5				7
Oct-88	5	100	50			14.25				8
Jan-89	170	100	50			52.5				9
Apr-89	9	100	50			50				10
Jul-89	51	100	50			58.75				11
Oct-89	33	100	50			65.75				12
Jan-90	30	100	50			30.75				13
Apr-90	30	100	50			36				14
Jul-90	30	100	50			30.75				15
Oct-90	30	100	50			30				16
Jan-91	8	100	50			24.5				17
Apr-91	140	100	50			52				18
Jul-91	20	100	50			49.5				19
Oct-91	27	100	50			48.75				20
Jan-92	25	100	50			53				21
Apr-92	2	100	50			18.5				22
Jul-92	26	100	50			20				23
Oct-92	10	100	50			15.75				24
Jan-93	53	100	50			22.75				25
Apr-93	2	100	50			22.75				26
Jul-93	42	100	50			26.75				27
Oct-93	10	100	50			26.75				28
Jan-94	63	100	50			29.25				29
Apr-94	38	100	50			38.25				30
Jul-94	42	100	50			38.25				31
Oct-94	42	100	50			46.25				32
Jan-95	90	100	50			53				33
Apr-95	71	100	50			61.25				34
Jul-95	60	100	50			65.75				35
Oct-95	31	100	2			63				36
Apr-96	155	100	2			100.25		04/01/96		37
Sep-96	10	100	5			82.5		09/17/96	semiannual	38
Apr-97	8	100	5			9	9	04/03/97	semiannual	39
Aug-97	58	100	5			33	33	08/27/97	semiannual	40
Mar-98	10	100	10			34	34	03/24/98	semiannual	41
Sep-98	10	100	10			10	10	09/22/98	semiannual	42
May-99	10	100	10			10	10	05/11/99	semiannual	43
Sep-99	21	100	14			15.5	15.5	09/29/99	semiannual	44
May-00	49	100	20			35	35	05/16/00	semiannual	45
Nov-00	2	100	2			25.5	25.5	11/28/00	semiannual	46
Apr-01	28	100	2			15	15	04/04/01	semiannual	47
Oct-01	28	100	2			28	28	10/18/01	semiannual	48
Apr-02	8.5	100	2			18.25	18.25	04/18/02	semiannual	49
Oct-02	14	100	2			11.25	11.25	10/03/02	semiannual	50
Apr-03	57	100	2			35.5	35.5	04/25/03	semiannual	51
Oct-03	64	100	4			60.5	60.5	10/03/03	semiannual	52
Apr-04	8	100	4			36	36	04/01/04	semiannual	53
Oct-04	8	100	4			8	8	10/19/04	semiannual	54
Apr-05	23	100	4			15.5	15.5	04/22/05	semiannual	55
Oct-05	74	100	4			48.5	48.5	10/07/05	semiannual	56
May-06	25	100	4			49.5	49.5	05/11/06	semiannual	57
Oct-06	10	100	4			17.5	17.5	10/18/06	semiannual	58
May-07	10	100	4			10	10	05/22/07	semiannual	59
Oct-07	10	100	4			10	10	10/25/07	semiannual	60
May-08	14	100	4			12	12	05/13/08	semiannual	61
May-09	22	100	4			18	18	05/12/09	semiannual	63
Oct-09	37	100	4			29.5	29.5	10/29/09	semiannual	64
May-10	10	100	4			23.5	23.5	05/20/10	semiannual	65
Oct-10	10	100	4			10	10	10/18/10	semiannual	66
Jun-11	10	100	10			10	10	06/02/11	semiannual	67
Oct-11	17	100	10			13.5	13.5	10/12/11	semiannual	68
May-12	17	100	10			17	17	05/18/12	semiannual	69
Oct-12	19	100	400			18	18	10/11/12	semiannual	70
May-13	10	100	400			14.5	14.5	05/17/13	semiannual	71
Oct-14	16	100	20			13	13	10/11/14	semiannual	72
Jun-14	17	100	30			16.5	16.5	06/20/14	semiannual	73
Oct-14	22	100	10			19.5	19.5	10/06/14	semiannual	74
Jul-15	11	100	50			16.5	16.5	07/15/15	semiannual	75
Jul-16	10	100	10			10.5	10.5	07/20/16	Annual	76
Sep-17	15.71	100	50			12.855	12.855	09/22/17	Annual	77


MOVING AVERAGE TREND TEST
VDM-10
CHROMIUM
CHROMIUM
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)
ug/L
300
250
200
150
100
50
0
Jan-85
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
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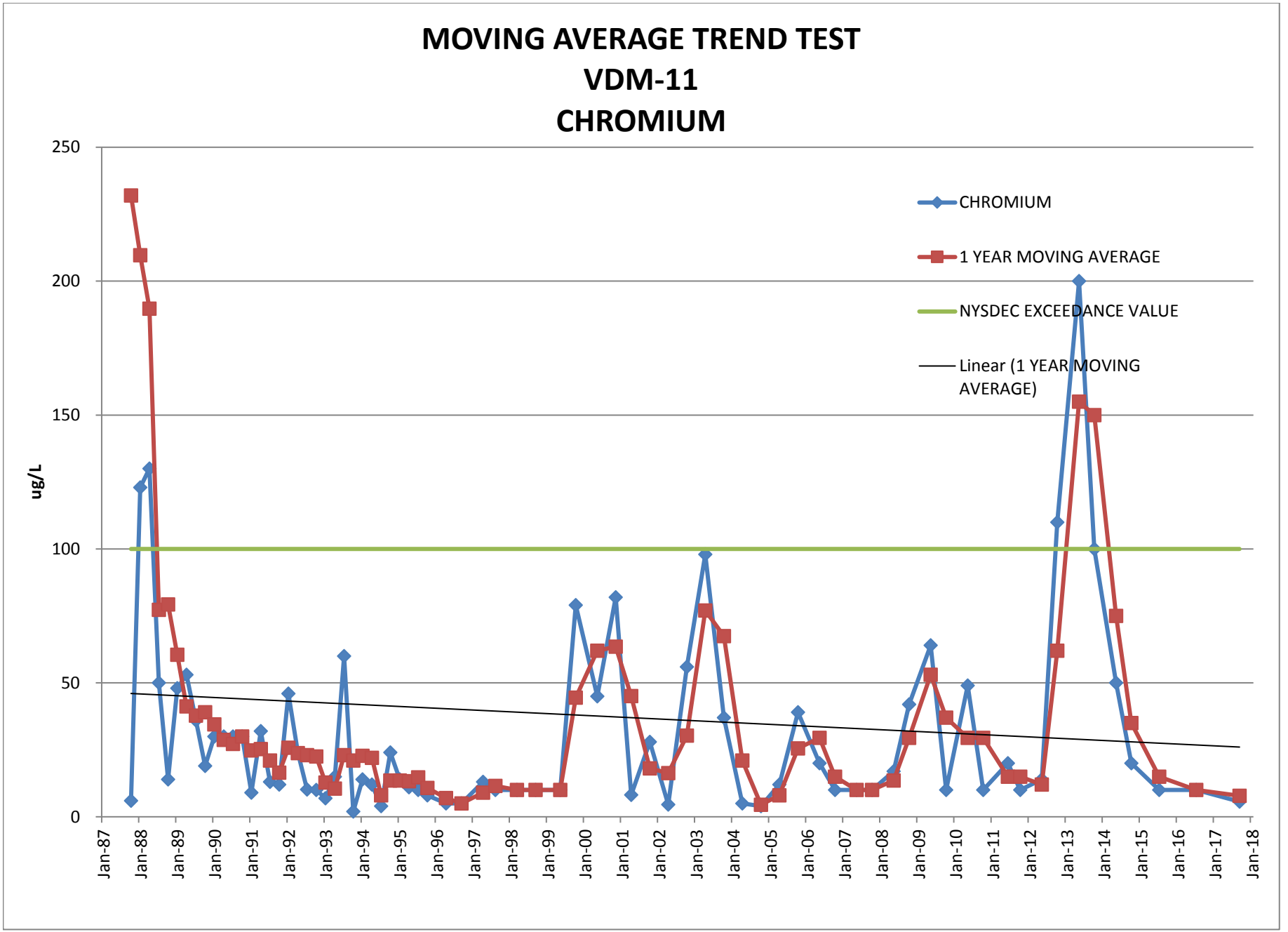
Jan-17
Jan-18

WELL VDM - 10 : CHROMIUM

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETEC LIMIT	STATISTICS		MOVING AVERAGE				SAMPLING EVENT NO.
Jul-84		100	50	TOTAL STD	47.32137266					1
Oct-84		100	50	TOTAL Sx	5.538547743					2
Jan-85	35	100	50	TOTAL MEAN	48.22297297					3
Apr-85	21	100	50	TOTAL N	74	28.00				4
Jul-85	5	100	50	TOTAL df	73	20.33				5
Oct-85	6	100	50			16.75				6
Jan-86	37	100	50			17.25				7
Apr-86	38	100	50			21.50				8
Jul-86	36	100	50			29.25				9
Oct-86	50	100	50			40.25				10
Jan-87		100	50			41.33				11
Apr-87		100	50			43.00				12
Jul-87	35	100	50			42.50				13
Oct-87	10	100	50			22.50				14
Jan-88	5	100	50			16.67				15
Apr-88	5	100	50			13.75				16
Jul-88	21	100	50			10.25				17
Oct-88	18	100	50			12.25				18
Jan-89	20	100	50			16.00				19
Apr-89	23	100	50			20.50				20
Jul-89	34	100	50			23.75				21
Oct-89	32	100	50			27.25				22
Jan-90	60	100	50			37.25				23
Apr-90	40	100	50			41.50				24
Jul-90	60	100	50			48.00				25
Oct-90	30	100	50			47.50				26
Jan-91	40	100	50			42.50				27
Apr-91	16	100	50			36.50				28
Jul-91	33	100	50			29.75				29
Oct-91	8	100	50			24.25				30
Jan-92	32	100	50			22.25				31
Apr-92	67	100	50			35.00				32
Jul-92	2	100	50			27.25				33
Oct-92	81.5	100	50			45.63				34
Jan-93	40.1	100	50			47.65				35
Apr-93	71.2	100	50			48.70				36
Jul-93	59	100	50			62.95				37
Oct-93	26	100	50			49.08				38
Jan-94	180	100	50			84.05				39
Apr-94	71	100	50			84.00				40
Jul-94	14	100	50			72.75				41
Oct-94	72	100	50			84.25				42
Jan-95	23	100	50			45.00				43
Apr-95	79	100	50			47.00				44
Jul-95	64	100	50			59.50				45
Oct-95	65	100	2			57.75				46
Apr-96	17	100	2			40.75	40.75			47
Sep-96	18	100	5			17.5	17.5	09/17/96	semiannual	48
Apr-97	32	100	20			25	25	04/03/97	semiannual	49
Aug-97	81	100	5			56.5	56.5	08/27/97	semiannual	50
Mar-98	81	100	10			81	81	03/24/98	semiannual	51
Sep-98	100	100	10			90.5	90.5	09/22/98	semiannual	52
May-99	18	100	10			59	59	05/11/99	semiannual	53
Oct-99	163	100	14			90.5	90.5	10/05/99	semiannual	54
May-00	20	100	20			91.5	91.5	05/16/00	semiannual	55
Nov-00	120	100	2			70	70	11/28/00	semiannual	56
Apr-01	4.7	100	2			62.35	62.35	04/04/01	semiannual	57
Oct-01	26	100	2			15.35	15.35	10/18/01	semiannual	58
Apr-02	7	100	2			16.5	16.5	04/18/02	semiannual	59
Oct-02	220	100	2			113.5	113.5	10/03/02	semiannual	60
Apr-03	65	100	2			142.5	142.5	04/25/03	semiannual	61
Oct-03	260	100	4			162.5	162.5	10/03/03	semiannual	62
Apr-04	36	100	4			148	148	04/01/04	semiannual	63
Oct-04	13	100	4			24.5	24.5	10/19/04	semiannual	64
Apr-05	61	100	4			37	37	04/22/05	semiannual	65
Oct-05	85	100	4			73	73	10/07/05	semiannual	66
May-06	23	100	4			54	54	05/11/06	semiannual	67
Oct-06	10	100	4			16.5	16.5	10/18/06	semiannual	68
May-07	39	100	4			24.5	24.5	05/22/07	semiannual	69
Oct-07	10	100	4			24.5	24.5	10/25/07	semiannual	70
May-08	12	100	4			11	11	05/13/08	semiannual	71
Oct-08	38	100	4			25	25	10/23/08	semiannual	72
May-09	36	100	4			37	37	05/12/09	semiannual	73
Oct-09	100	100	4			68	68	10/29/09	semiannual	74
May-10	30	100	4			65	65	05/20/10	semiannual	75
Oct-10	10	100	10			20	20	10/18/10	semiannual	76
Jul-11	100	100	100			55	55	07/02/11	semiannual	77
Oct-11	68	100	100			84	84	10/12/11	semiannual	78
May-12	22	100	10			45	45	05/18/12	semiannual	79
Oct-12	120	100	400			71	71	10/11/12	semiannual	80
May-13	50	100	50			85	85	05/17/13	semiannual	81
Oct-13	200	100	200			125	125	10/11/13	semiannual	82
May-14	19	100	30			109.5	109.5	05/05/14	semiannual	83
Oct-14	15	100	10			17	17	10/06/14	semiannual	84
Jul-15	19	100	500			17	17	07/09/15	semiannual	85
Jul-16	10	100	10			14.5	14.5	07/20/16	Annual	86
Sep-17	2.84	100	1			6.42	6.42	09/22/17		87


MOVING AVERAGE TREND TEST
VDM-11
CHROMIUM
ug/L
250
200
150
100
50
0
Jan-87
Jan-88
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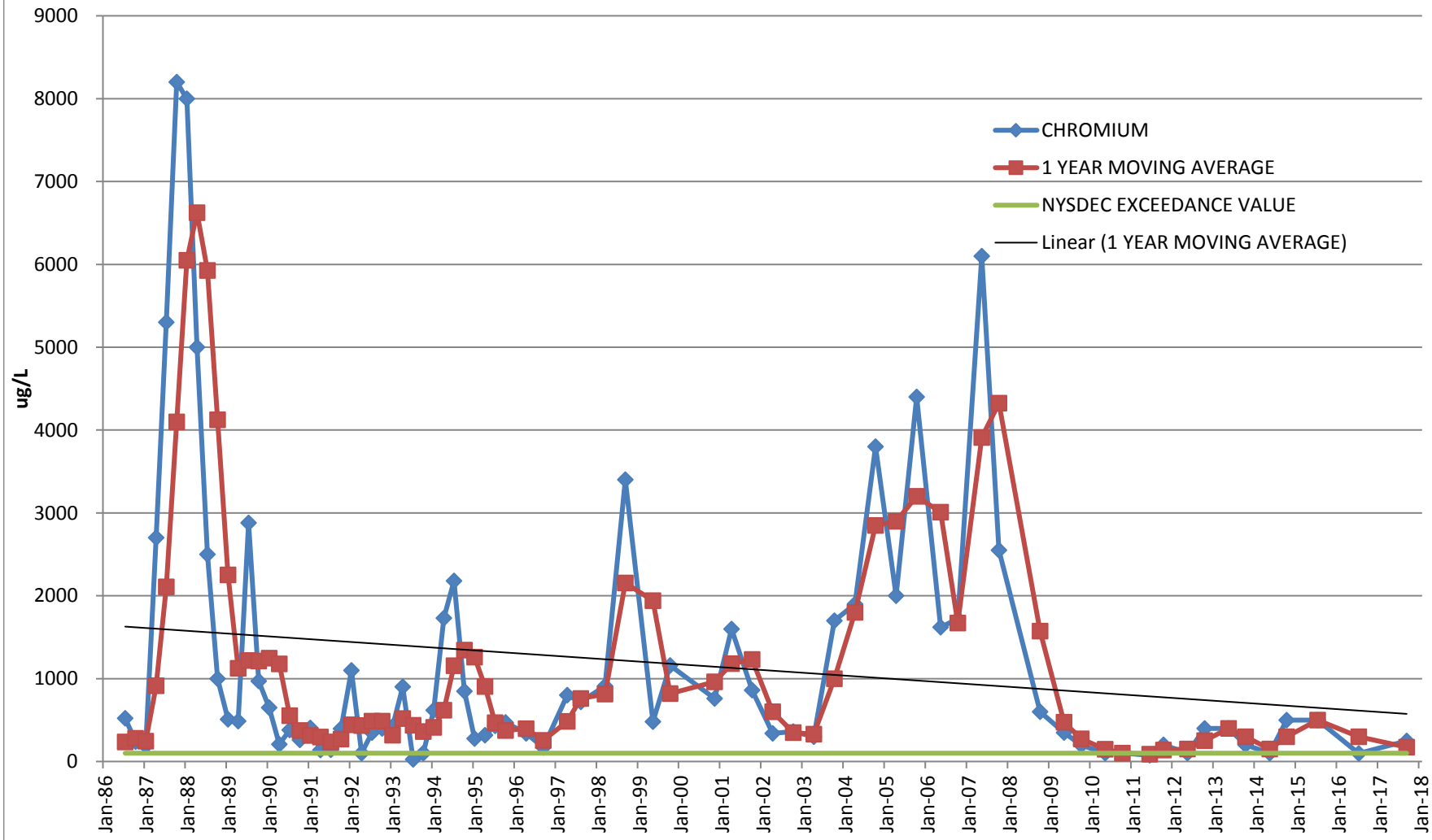
Jan-17
Jan-18
CHROMIUM
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)

WELL VDM - 11 : CHROMIUM

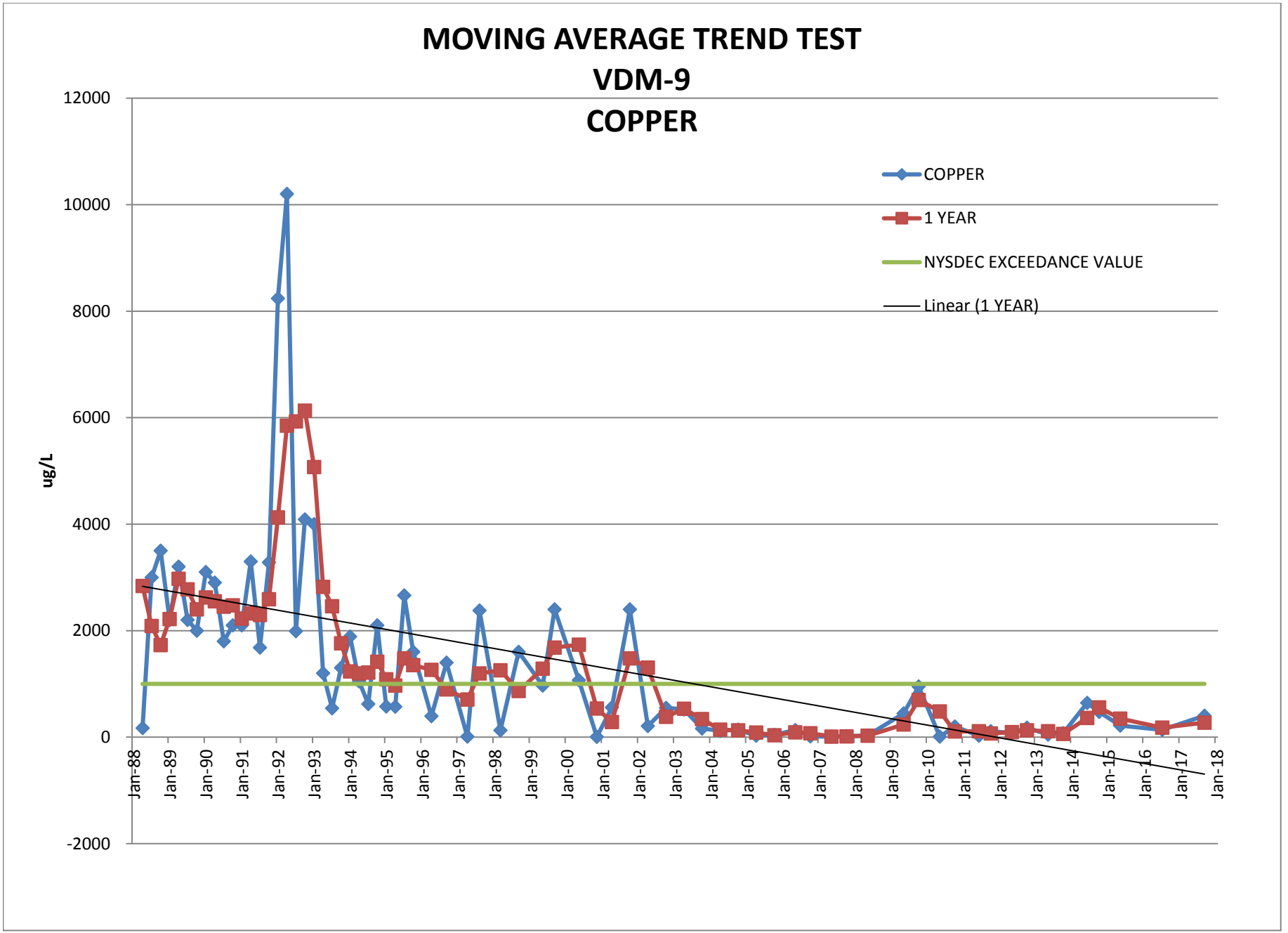
SAMPLING EVENT NO.	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
-	-	-	-	-	-	-				-
Jan-87	190	100	50	TOTAL STD	65.6805					1
Apr-87		100	50	TOTAL Sx	8.0242					2
Jul-87	500	100	50	TOTAL MEAI	36.3662					3
Oct-87	6	100	50	TOTAL N	68	232.00				4
Jan-88	123	100	50	TOTAL df	67	209.67				5
Apr-88	130	100	50			189.75				6
Jul-88	50	100	50			77.25				7
Oct-88	14	100	50			79.25				8
Jan-89	48	100	50			60.50				9
Apr-89	53	100	50			41.25				10
Jul-89	36	100	50			37.75				11
Oct-89	19	100	50			39.00				12
Jan-90	30	100	50			34.50				13
Apr-90	30	100	50			28.75				14
Jul-90	30	100	50			27.25				15
Oct-90	30	100	50			30.00				16
Jan-91	9	100	50			24.75				17
Apr-91	32	100	50			25.25				18
Jul-91	13	100	50			21.00				19
Oct-91	12	100	50			16.50				20
Jan-92	46	100	50			25.75				21
Apr-92	24	100	50			23.75				22
Jul-92	10.2	100	50			23.05				23
Oct-92	10	100	50			22.55				24
Jan-93	6.9	100	50			12.78				25
Apr-93	15	100	50			10.53				26
Jul-93	60	100	50			22.98				27
Oct-93	2	100	50			20.98				28
Jan-94	14	100	50			22.75				29
Apr-94	12	100	50			22.00				30
Jul-94	4	100	50			8.00				31
Oct-94	24	100	50			13.50				32
Jan-95	14	100	50			13.50				33
Apr-95	11	100	50			13.25				34
Jul-95	10	100	50			14.75				35
Oct-95	8	100	2			10.75				36
Apr-96	5	100	5			7				37
Sep-96	5	100	5			5	5	9/17/1996	semiannual	38
Apr-97	13	100	20			9	9	4/3/1997	semiannual	39
Aug-97	10	100	5			11.5	11.5	8/27/1997	semiannual	40
Mar-98	10	100	10			10	10	3/24/1998	semiannual	41
Sep-98	10	100	10			10	10	9/22/1998	semiannual	42
May-99	10	100	10			10	10	5/11/1999	semiannual	43
Oct-99	79	100	14			44.5	44.5	10/5/1999	semiannual	44
May-00	45	100	20			62	62	5/16/2000	semiannual	45
Nov-00	82	100	2			63.5	63.5	11/28/2000	semiannual	46
Apr-01	8.2	100	2			45.1	45.1	4/4/2001	semiannual	47
Oct-01	28	100	2			18.1	18.1	10/18/2001	semiannual	48
Apr-02	4.6	100	2			16.3	16.3	4/18/2002	semiannual	49
Oct-02	56	100	2			30.3	30.3	10/3/2002	semiannual	50
Apr-03	98	100	2			77	77	4/25/2003	semiannual	51
Oct-03	37	100	4			67.5	67.5	10/3/2003	semiannual	52
Apr-04	5	100	4			21	21	4/1/2004	semiannual	53
Oct-04	4	100	4			4.5	4.5	10/19/2004	semiannual	54
Apr-05	12	100	4			8	8	4/22/2005	semiannual	55
Oct-05	39	100	4			25.5	25.5	10/7/2005	semiannual	56
May-06	20	100	4			29.5	29.5	5/11/2006	semiannual	57
Oct-06	10	100	4			15	15	10/18/2006	semiannual	58
May-07	10	100	4			10	10	5/22/2007	semiannual	59
Oct-07	10	100	4			10	10	10/25/2007	semiannual	60
May-08	17	100	4			13.5	13.5	5/13/2008	semiannual	61
Oct-08	42	100	4			29.5	29.5	10/23/2008	semiannual	62
May-09	64	100	4			53	53	5/12/2009	semiannual	63
Oct-09	10	100	4			37	37	10/29/2009	semiannual	64
May-10	49	100	4			29.5	29.5	5/20/2010	semiannual	65
Oct-10	10	100	4			29.5	29.5	10/18/2010	semiannual	66
Jun-11	20	100	4			15	15	6/2/2011	semiannual	67
Oct-11	10	100	10			15	15	10/12/2011	semiannual	68
May-12	14	100	10			12	12	5/18/2012	semiannual	69
Oct-12	110	100	400			62	62	10/11/2012	semiannual	70
May-13	200	100	200			155	155	5/17/2013	semiannual	71
Oct-13	100	100	100			150	150	10/11/2013	semiannual	72
May-14	50	100	30			75	75	5/5/2014	semiannual	73
Oct-14	20	100	10			35	35	10/6/2014	semiannual	74
Jul-15	10	100	50			15	15	7/9/2015	semiannual	75
Jul-16	10	100	10			10	10	7/20/2016	Annual	76
Sep-17	5.69	100	1			7.845	7.845	9/22/2017	Annual	77

MOVING AVERAGE TREND TEST
VDM-14
CHROMIUM



WELL VDM - 14 : CHROMIUM

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING VG				EVENT NO.
---	-	-	-	-	-	-				-
Oct-85	64	100	50	TOTAL STI	1745.988					1
Jan-86	330	100	50	TOTAL Sx	207.2107					2
Apr-86	34	100	50	OTAL MEA	1270.542					3
Jul-86	520	100	50	TOTAL N	72	237.00				4
Oct-86	240	100	50	TOTAL df	71	281.00				5
Jan-87	190	100	50			246.00				6
Apr-87	2700	100	50			912.50				7
Jul-87	5300	100	50			2107.50				8
Oct-87	8200	100	50			4097.50				9
Jan-88	8000	100	50			6050.00				10
Apr-88	5000	100	50			6625.00				11
Jul-88	2500	100	50			5925.00				12
Oct-88	1000	100	50			4125.00				13
Jan-89	510	100	50			2252.50				14
Apr-89	488	100	50			1124.50				15
Jul-89	2880	100	50			1219.50				16
Oct-89	970	100	50			1212.00				17
Jan-90	650	100	50			1247.00				18
Apr-90	208	100	50			1177.00				19
Jul-90	380	100	50			552.00				20
Oct-90	260	100	50			374.50				21
Jan-91	406	100	50			313.50				22
Apr-91	139	100	50			296.25				23
Jul-91	140	100	50			236.25				24
Oct-91	395	100	50			270.00				25
Jan-92	1100	100	50			443.50				26
Apr-92	100	100	50			433.75				27
Jul-92	350	100	50			486.25				28
Oct-92	400	100	50			487.50				29
Jan-93	420	100	50			317.50				30
Apr-93	900	100	50			517.50				31
Jul-93	25	100	50			436.25				32
Oct-93	100	100	50			361.25				33
Jan-94	619	100	50			411.00				34
Apr-94	1730	100	50			618.50				35
Jul-94	2180	100	50			1157.25				36
Oct-94	847	100	50			1344.00				37
Jan-95	276	100	50			1258.25				38
Apr-95	317	100	50			905.00				39
Jul-95	430	100	50			467.50				40
Oct-95	470	100	2			373.25				41
Apr-96	340	100	2			395				42
Sep-96	170	100	5			255	255	9/17/1996	semiannual	43
Apr-97	800	100	20			485	485	4/3/1997	semiannual	44
Aug-97	720	100	5			760	760	8/27/1997	semiannual	45
Mar-98	910	100	10			815	815	3/24/1998	semiannual	46
Sep-98	3400	100	10			2155	2155	9/22/1998	semiannual	47
May-99	480	100	10			1940	1940	5/11/1999	semiannual	48
Oct-99	1160	100	14			820	820	10/5/1999	semiannual	49
Nov-00	760	100	2			960	960	11/28/2000	semiannual	50
Apr-01	1600	100	2			1180	1180	4/4/2001	semiannual	51
Oct-01	860	100	2			1230	1230	10/18/2001	semiannual	52
Apr-02	340	100	2			600	600	4/18/2002	semiannual	53
Oct-02	360	100	2			350	350	10/3/2002	semiannual	54
Apr-03	300	100	2			330	330	4/25/2003	semiannual	55
Oct-03	1700	100	2			1000	1000	10/3/2003	semiannual	56
Apr-04	1900	100	4			1800	1800	4/1/2004	semiannual	57
Oct-04	3800	100	4			2850	2850	10/19/2004	semiannual	58
Apr-05	2000	100	4			2900	2900	4/22/2005	semiannual	59
Oct-05	4400	100	4			3200	3200	10/7/2005	semiannual	60
May-06	1620	100	4			3010	3010	5/11/2006	semiannual	61
Oct-06	1720	100	4			1670	1670	10/18/2006	semiannual	62
May-07	6100	100	4			3910	3910	5/22/2007	semiannual	63
Oct-07	2550	100	4			4325	4325	10/25/2007	semiannual	64
Oct-08	600	100	4			1575	1575	10/23/2008	semiannual	65
May-09	349	100	4			474.5	474.5	5/12/2009	semiannual	66
Oct-09	197	100	4			273	273	10/29/2009	semiannual	67
May-10	100	100	4			148.5	148.5	5/20/2010	semiannual	68
Oct-10	100	100	4			100	100	10/18/2010	semiannual	69
Jun-11	75	100	4			87.5	87.5	6/2/2011	semiannual	70
Oct-11	200	100	200			137.5	137.5	10/12/2011	semiannual	71
May-12	100	100	100			150	150	5/18/2012	semiannual	72
Oct-12	400	100	400			250	250	10/11/2012	semiannual	73
May-13	400	100	400			400	400	5/17/2013	semiannual	74
Oct-13	200	100	200			300	300	10/11/2013	semiannual	75
May-14	100	100	30			150	150	5/5/2014	semiannual	76
Oct-14	500	100	10			300	300	10/6/2014	semiannual	77
Jul-15	500	100	500			500	500	7/9/2015	semiannual	78
Jul-16	96	100	10			298	298	7/20/2016	Annual	79
Sep-17	249.3	100	1			172.65	172.65	9/22/2017	Annual	80


MOVING AVERAGE TREND TEST
VDM-9
COPPER
ug/L
12000
10000
8000
6000
4000
2000
0
-2000
COPPER
1 YEAR
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR)
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
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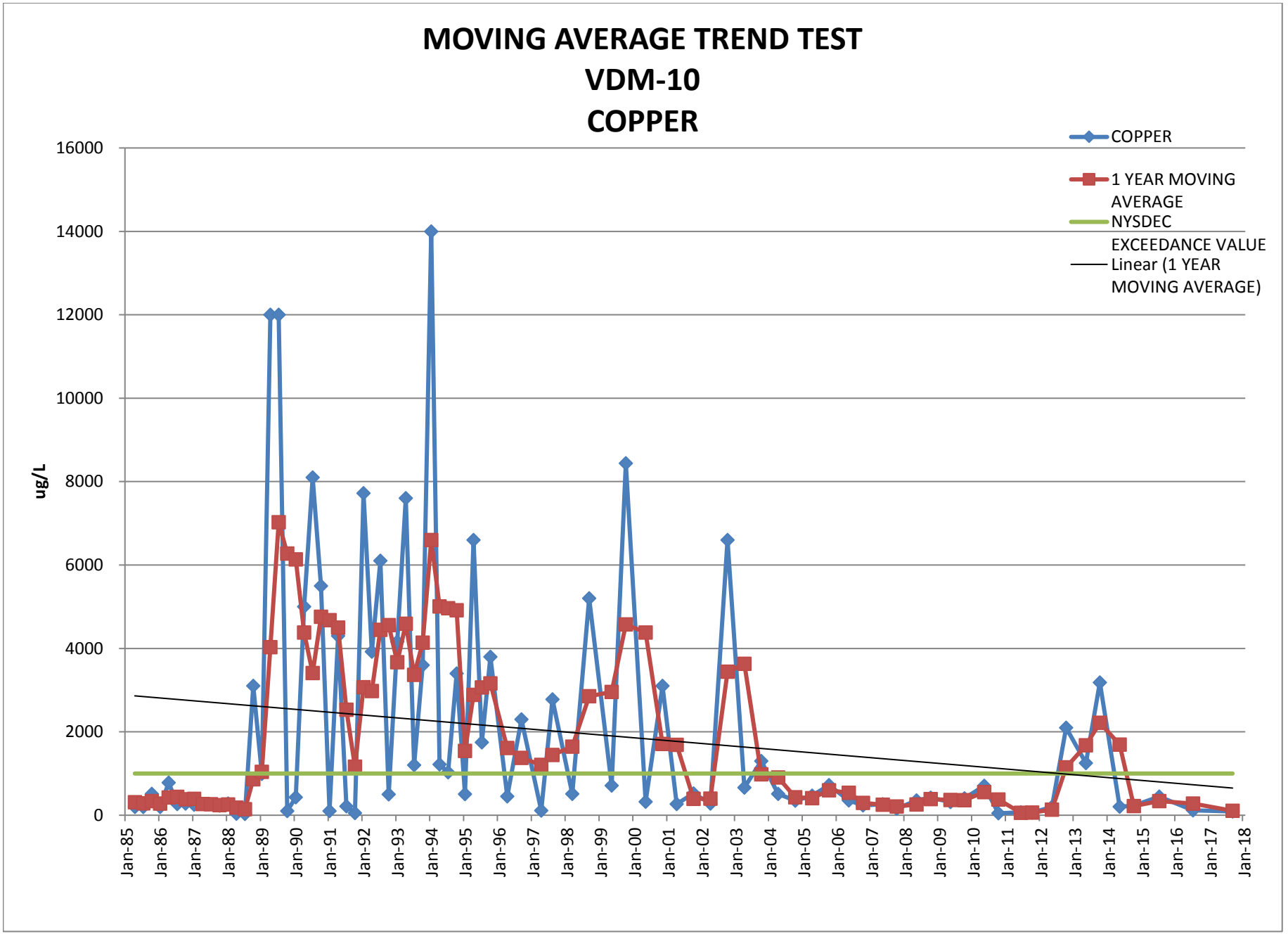
Jan-16
Jan-17
Jan-18

WELL VDM - 9 : COPPER

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
Jan-87	7800	1000	200	OTAL STD	2161.112					1
Apr-87	7700	1000	200	TOTAL Sx	266.0145					2
Jul-87	6000	1000	200	TAL MEAN	1834.045					3
Oct-87	4940	1000	200	TOTAL N	67	6610				4
Jan-88	243	1000	200	TOTAL df	66	4720.75				5
Apr-88	171	1000	200			2838.5				6
Jul-88	3000	1000	200			2088.5				7
Oct-88	3500	1000	200			1728.5				8
Jan-89	2200	1000	200			2217.75				9
Apr-89	3200	1000	200			2975				10
Jul-89	2200	1000	200			2775				11
Oct-89	2000	1000	200			2400				12
Jan-90	3100	1000	200			2625				13
Apr-90	2900	1000	200			2550				14
Jul-90	1800	1000	200			2450				15
Oct-90	2100	1000	200			2475				16
Jan-91	2100	1000	200			2225				17
Apr-91	3300	1000	200			2325				18
Jul-91	1680	1000	200			2295				19
Oct-91	3280	1000	200			2590				20
Jan-92	8240	1000	200			4125				21
Apr-92	10200	1000	200			5850				22
Jul-92	1990	1000	200			5927.5				23
Oct-92	4090	1000	200			6130				24
Jan-93	4000	1000	200			5070				25
Apr-93	1200	1000	200			2820				26
Jul-93	540	1000	200			2457.5				27
Oct-93	1300	1000	200			1760				28
Jan-94	1890	1000	200			1232.5				29
Apr-94	1050	1000	200			1195				30
Jul-94	620	1000	200			1215				31
Oct-94	2100	1000	200			1415				32
Jan-95	577	1000	200			1086.75				33
Apr-95	570	1000	200			966.75				34
Jul-95	2662	1000	200			1477.25				35
Oct-95	1600	1000	10			1352.25				36
Apr-96	394	1000	10			1262.5	1262.5	04/01/96	semiannual	37
Sep-96	1400	1000	10			897	897	09/17/96	semiannual	38
Apr-97	10	1000	10			705	705	04/03/97	semiannual	39
Aug-97	2380	1000	10			1195	1195	08/27/97	semiannual	40
Mar-98	130	1000	20			1255	1255	03/24/98	semiannual	41
Sep-98	1600	1000	20			865	865	09/22/98	semiannual	42
May-99	967	1000	10			1283.5	1283.5	05/11/99	semiannual	43
Sep-99	2400	1000	10			1683.5	1683.5	09/29/99	semiannual	44
May-00	1070	1000	10			1735	1735	05/16/00	semiannual	45
Nov-00	5	1000	5			537.5	537.5	11/28/00	semiannual	46
Apr-01	560	1000	10			282.5	282.5	04/04/01	semiannual	47
Oct-01	2400	1000	10			1480	1480	10/18/01	semiannual	48
Apr-02	210	1000	5			1305	1305	04/18/02	semiannual	49
Oct-02	550	1000	5			380	380	10/03/02	semiannual	50
Apr-03	520	1000	5			535	535	04/25/03	semiannual	51
Oct-03	160	1000	10			340	340	10/03/03	semiannual	52
Apr-04	120	1000	10			140	140	04/01/04	semiannual	53
Oct-04	140	1000	10			130	130	10/19/04	semiannual	54
Apr-05	28	1000	10			84	84	04/22/05	semiannual	55
Oct-05	45	1000	10			36.5	36.5	10/07/05	semiannual	56
May-06	133	1000	10			89	89	05/11/06	semiannual	57
Oct-06	13	1000	10			73	73	10/18/06	semiannual	58
May-07	10	1000	10			11.5	11.5	05/22/07	semiannual	59
Oct-07	18	1000	10			14	14	10/25/07	semiannual	60
May-08	32	1000	10			25	25	05/13/08	semiannual	61
May-09	443	1000	10			237.5	237.5	05/12/09	semiannual	63
Oct-09	951	1000	10			697	697	10/29/09	semiannual	64
May-10	10	1000	10			480.5	480.5	05/20/10	semiannual	65
Oct-10	200	1000	10			105	105	10/18/10	semiannual	66
Jun-11	26	1000	10			113	113	06/02/11	semiannual	67
Oct-11	113	1000	10			69.5	69.5	10/12/11	semiannual	68
May-12	78	1000	10			95.5	95.5	05/18/12	semiannual	69
Oct-12	178	1000	40			128	128	10/11/12	semiannual	70
May-13	47	1000	400			112.5	112.5	05/17/13	semiannual	71
Oct-13	75	1000	20			61	61	10/11/13	semiannual	72
Jun-14	643	1000	32			359	359	06/20/14	semiannual	73
Oct-14	474	1000	15			558.5	558.5	10/06/14	semiannual	74
May-15	218	1000	500			346	346	05/15/15	semiannual	75
Jul-16	137	1000	10			177.5	177.5	07/20/16	Annual	76
Sep-17	402.5	1000	500			269.75	269.75	09/22/17	Annual	77


MOVING AVERAGE TREND TEST
VDM-10
COPPER
ug/L
16000
14000
12000
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8000
6000
4000
2000
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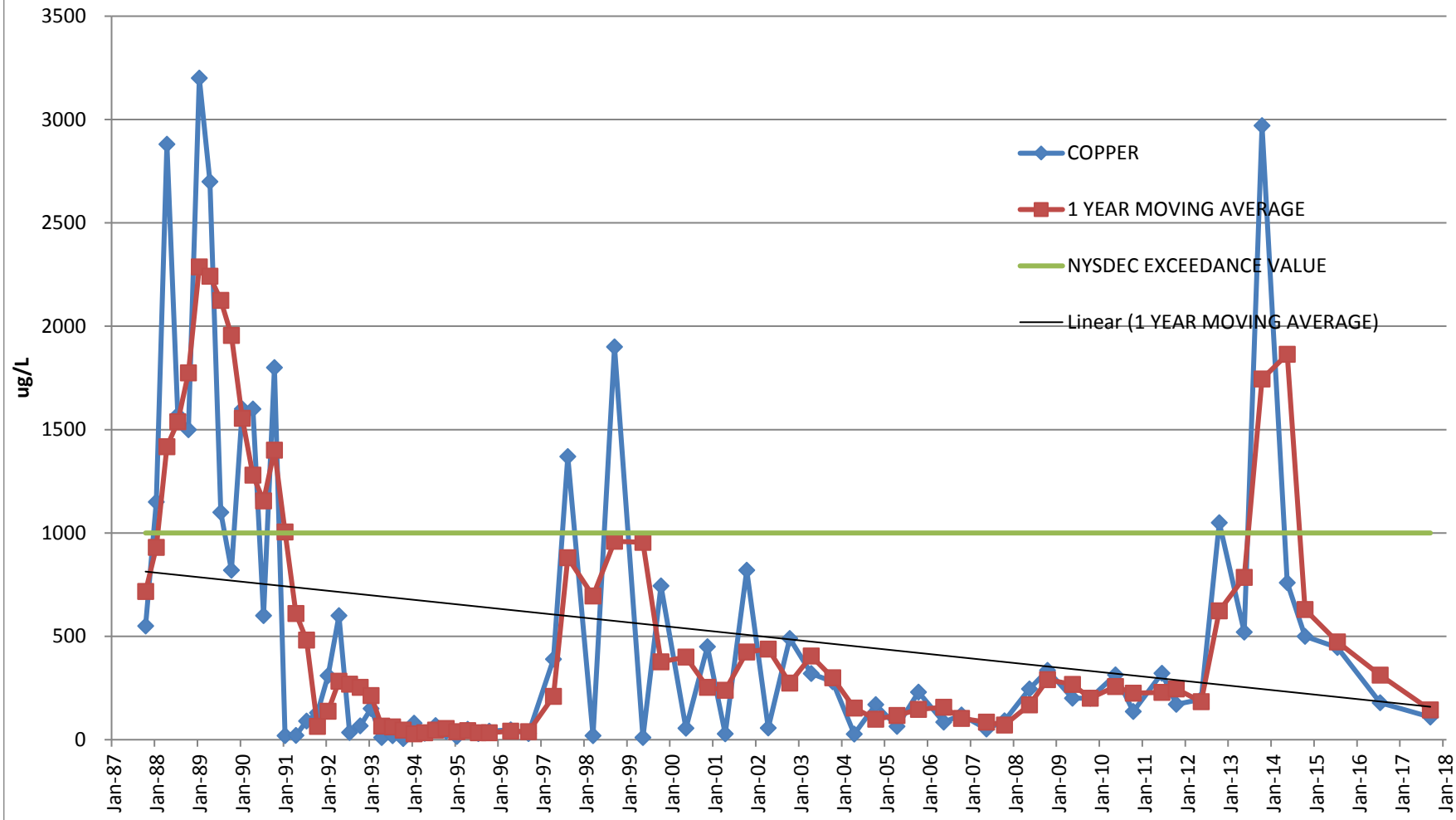
Jan-17
Jan-18
COPPER
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)

WELL VDM - 10 : COPPER

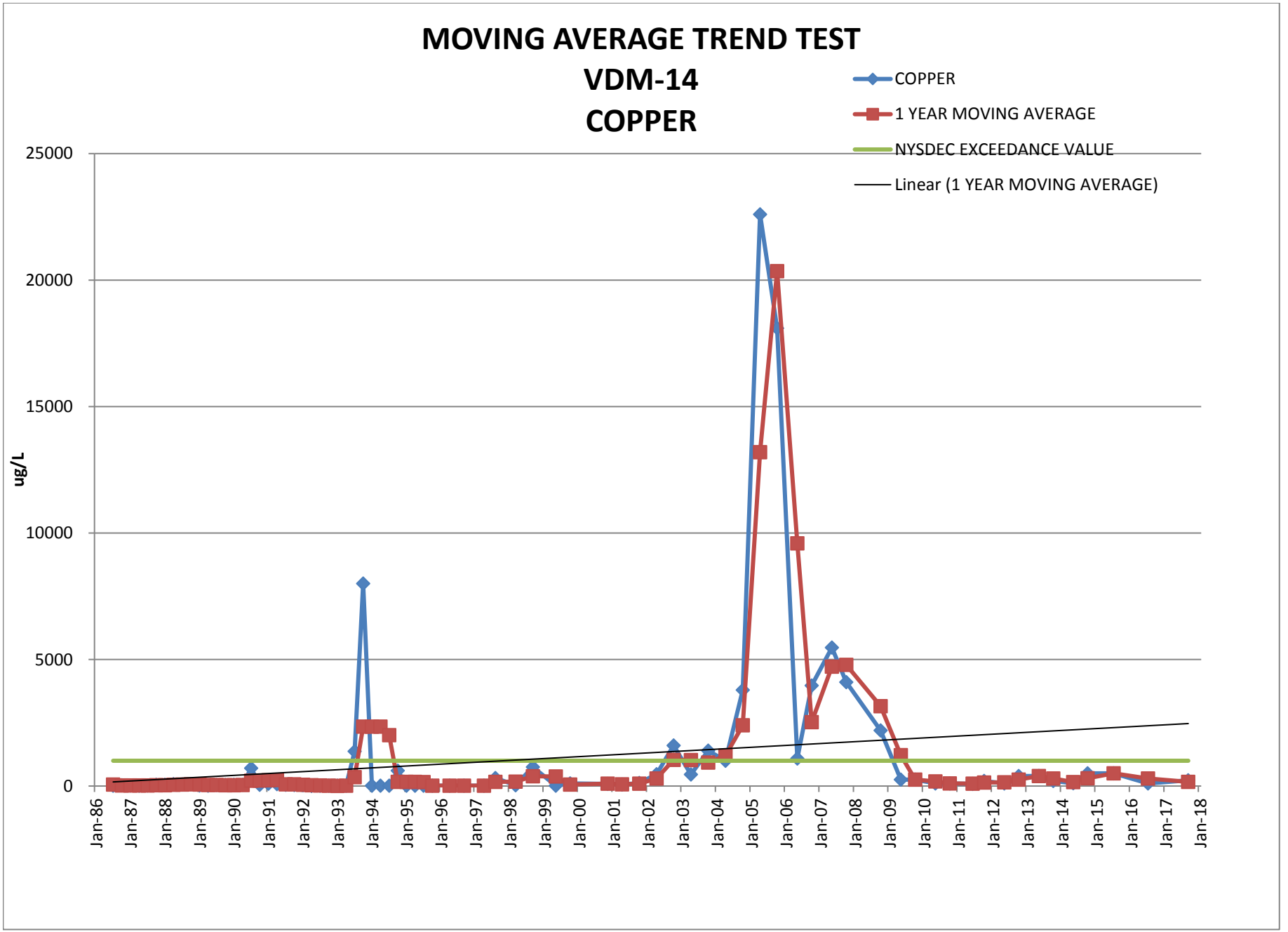
SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETEC LIMIT	STATISTICS		MOVING AVERAGE				SAMPLING EVENT NO.
Jul-84	290	1000	200	TOTAL STD	3128.0101					1
Oct-84		1000	200	TOTAL Sx	363.62379					2
Jan-85	450	1000	200	OTAL MEAN	2159.7773					3
Apr-85	200	1000	200	TOTAL N	75	313.33				4
Jul-85	200	1000	200	TOTAL df	74	283.33				5
Oct-85	510	1000	200			340.00				6
Jan-86	200	1000	200			277.50				7
Apr-86	780	1000	200			422.50				8
Jul-86	270	1000	200			440.00				9
Oct-86	280	1000	200			382.50				10
Jan-87	250	1000	200			395.00				11
Apr-87		1000	200			266.67				12
Jul-87		1000	200			265.00				13
Oct-87	230	1000	200			240.00				14
Jan-88	280	1000	200			255.00				15
Apr-88	35	1000	200			181.67				16
Jul-88	30	1000	200			143.75				17
Oct-88	3100	1000	200			861.25				18
Jan-89	990	1000	200			1038.75				19
Apr-89	12000	1000	200			4030.00				20
Jul-89	12000	1000	200			7022.50				21
Oct-89	100	1000	200			6272.50				22
Jan-90	430	1000	200			6132.50				23
Apr-90	5000	1000	200			4382.50				24
Jul-90	8100	1000	200			3407.50				25
Oct-90	5500	1000	200			4757.50				26
Jan-91	100	1000	200			4675.00				27
Apr-91	4300	1000	200			4500.00				28
Jul-91	215	1000	200			2528.75				29
Oct-91	50	1000	200			1166.25				30
Jan-92	7720	1000	200			3071.25				31
Apr-92	3920	1000	200			2976.25				32
Jul-92	6100	1000	200			4447.50				33
Oct-92	498	1000	200			4559.50				34
Jan-93	4160	1000	200			3669.50				35
Apr-93	7600	1000	200			4589.50				36
Jul-93	1200	1000	200			3364.50				37
Oct-93	3600	1000	200			4140.00				38
Jan-94	14000	1000	200			6600.00				39
Apr-94	1220	1000	200			5005.00				40
Jul-94	1030	1000	200			4962.50				41
Oct-94	3400	1000	200			4912.50				42
Jan-95	508	1000	200			1539.50				43
Apr-95	6600	1000	200			2884.50				44
Jul-95	1745	1000	200			3063.25				45
Oct-95	3800	1000	10			3163.25				46
Apr-96	453	1000	10			1612.75				47
Sep-96	2300	1000	10			1376.5	1376.5	09/17/96	semiannual	48
Apr-97	110	1000	10			1205	1205	04/03/97	semiannual	49
Aug-97	2780	1000	10			1445	1445	08/27/97	semiannual	50
Mar-98	510	1000	20			1645	1645	03/24/98	semiannual	51
Sep-98	5200	1000	20			2855	2855	09/22/98	semiannual	52
May-99	709	1000	10			2954.5	2954.5	05/11/99	semiannual	53
Oct-99	8440	1000	10			4574.5	4574.5	10/05/99	semiannual	54
May-00	322	1000	10			4381	4381	05/16/00	semiannual	55
Nov-00	3100	1000	5			1711	1711	11/28/00	semiannual	56
Apr-01	270	1000	10			1685	1685	04/04/01	semiannual	57
Oct-01	520	1000	10			395	395	10/18/01	semiannual	58
Apr-02	280	1000	5			400	400	04/18/02	semiannual	59
Oct-02	6600	1000	5			3440	3440	10/03/02	semiannual	60
Apr-03	660	1000	5			3630	3630	04/25/03	semiannual	61
Oct-03	1300	1000	10			980	980	10/03/03	semiannual	62
Apr-04	510	1000	10			905	905	04/01/04	semiannual	63
Oct-04	350	1000	10			430	430	10/19/04	semiannual	64
Apr-05	470	1000	10			410	410	04/22/05	semiannual	65
Oct-05	720	1000	10			595	595	10/07/05	semiannual	66
May-06	353	1000	10			536.5	536.5	05/11/06	semiannual	67
Oct-06	238	1000	10			295.5	295.5	10/18/06	semiannual	68
May-07	262	1000	10			250	250	05/22/07	semiannual	69
Oct-07	156	1000	10			209	209	10/25/07	semiannual	70
May-08	355	1000	10			255.5	255.5	05/13/08	semiannual	71
Oct-08	417	1000	10			386	386	05/14/08	semiannual	72
May-09	315	1000	10			366	366	05/12/09	semiannual	73
Oct-09	405	1000	10			360	360	10/29/09	semiannual	74
May-10	708	1000	10			556.5	556.5	05/20/10	semiannual	75
Oct-10	48.3	1000	10			378.15	378.15	10/18/10	semiannual	76
Jun-11	67	1000	10			57.65	57.65	06/02/11	semiannual	77
Oct-11	64	1000	10			65.5	65.5	10/12/11	semiannual	78
May-12	199	1000	10			131.5	131.5	05/18/12	semiannual	79
Oct-12	2100	1000	40			1149.5	1149.5	10/11/12	semiannual	80
May-13	1250	1000	400			1675	1675	05/17/13	semiannual	81
Oct-13	3180	1000	20			2215	2215	10/11/13	semiannual	82
May-14	205	1000	32000			1692.5	1692.5	05/05/14	semiannual	83
Oct-14	231	1000	15			218	218	10/06/14	semiannual	84
Jul-15	446	1000	500			338.5	338.5	07/09/15	semiannual	85
Jul-16	116	1000	10			281	281	07/20/16	Annual	86
Sep-17	92.33	1000	1			104.165	104.165	09/22/17	Annual	87

MOVING AVERAGE TREND TEST
VDM-11
COPPER



WELL VDM - 11 : COPPER

SAMPLING EVENT NO.	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
-	-	-	-	-	-	-				-
Jan-87	510	1000	200	TOTAL STD	721.9995					1
Apr-87		1000	200	TOTAL Sx	88.2063					2
Jul-87	1090	1000	200	TOTAL MEAI	506.6647					3
Oct-87	550	1000	200	TOTAL N	68	716.67				4
Jan-88	1150	1000	200	TOTAL df	67	930.00				5
Apr-88	2880	1000	200			1417.50				6
Jul-88	1570	1000	200			1537.50				7
Oct-88	1500	1000	200			1775.00				8
Jan-89	3200	1000	200			2287.50				9
Apr-89	2700	1000	200			2242.50				10
Jul-89	1100	1000	200			2125.00				11
Oct-89	820	1000	200			1955.00				12
Jan-90	1600	1000	200			1555.00				13
Apr-90	1600	1000	200			1280.00				14
Jul-90	600	1000	200			1155.00				15
Oct-90	1800	1000	200			1400.00				16
Jan-91	19	1000	200			1004.75				17
Apr-91	21	1000	200			610.00				18
Jul-91	90	1000	200			482.50				19
Oct-91	130	1000	200			65.00				20
Jan-92	310	1000	200			137.75				21
Apr-92	600	1000	200			282.50				22
Jul-92	35.5	1000	200			268.88				23
Oct-92	66.7	1000	200			253.05				24
Jan-93	150	1000	200			213.05				25
Apr-93	10	1000	200			65.55				26
Jul-93	20	1000	200			61.68				27
Oct-93	5	1000	200			46.25				28
Jan-94	80	1000	200			28.75				29
Apr-94	31	1000	200			34.00				30
Jul-94	68	1000	200			46.00				31
Oct-94	40	1000	200			54.75				32
Jan-95	15	1000	200			38.50				33
Apr-95	50	1000	200			43.25				34
Jul-95	30	1000	200			33.75				35
Oct-95	41	1000	10			34.00				36
Apr-96	48	1000	10			41.75				37
Sep-96	30	1000	30			39	39	9/17/1996	semiannual	38
Apr-97	390	1000	10			210	210	4/3/1997	semiannual	39
Aug-97	1370	1000	10			880	880	8/27/1997	semiannual	40
Mar-98	20	1000	20			695	695	3/24/1998	semiannual	41
Sep-98	1900	1000	20			960	960	9/22/1998	semiannual	42
May-99	10	1000	10			955	955	5/11/1999	semiannual	43
Oct-99	744	1000	10			377	377	10/5/1999	semiannual	44
May-00	56	1000	10			400	400	5/16/2000	semiannual	45
Nov-00	450	1000	5			253	253	11/28/2000	semiannual	46
Apr-01	28	1000	10			239	239	4/4/2001	semiannual	47
Oct-01	820	1000	10			424	424	10/18/2001	semiannual	48
Apr-02	57	1000	5			438.5	438.5	4/18/2002	semiannual	49
Oct-02	490	1000	5			273.5	273.5	10/3/2002	semiannual	50
Apr-03	320	1000	5			405	405	4/25/2003	semiannual	51
Oct-03	280	1000	10			300	300	10/3/2003	semiannual	52
Apr-04	27	1000	10			153.5	153.5	4/1/2004	semiannual	53
Oct-04	170	1000	10			98.5	98.5	10/19/2004	semiannual	54
Apr-05	64	1000	10			117	117	4/22/2005	semiannual	55
Oct-05	230	1000	10			147	147	10/7/2005	semiannual	56
May-06	85	1000	10			157.5	157.5	5/11/2006	semiannual	57
Oct-06	120	1000	10			102.5	102.5	10/18/2006	semiannual	58
May-07	51	1000	10			85.5	85.5	5/22/2007	semiannual	59
Oct-07	91	1000	10			71	71	10/25/2007	semiannual	60
May-08	245	1000	10			168	168	5/13/2008	semiannual	61
Oct-08	335	1000	10			290	290	10/23/2008	semiannual	62
May-09	200	1000	10			267.5	267.5	5/12/2009	semiannual	63
Oct-09	201	1000	10			200.5	200.5	10/29/2009	semiannual	64
May-10	314	1000	10			257.5	257.5	5/20/2010	semiannual	65
Oct-10	137	1000	10			225.5	225.5	10/18/2010	semiannual	66
Jun-11	321	1000	10			229	229	6/2/2011	semiannual	67
Oct-11	171	1000	10			246	246	10/12/2011	semiannual	68
May-12	196	1000	10			183.5	183.5	5/18/2012	semiannual	69
Oct-12	1050	1000	40			623	623	10/11/2012	semiannual	70
May-13	520	1000	400			785	785	5/17/2013	semiannual	71
Oct-13	2970	1000	20			1745	1745	10/11/2013	semiannual	72
May-14	760	1000	32			1865	1865	5/5/2014	semiannual	73
Oct-14	500	1000	15			630	630	10/6/2014	semiannual	74
Jul-15	446	1000	500			473	473	7/9/2015	semiannual	75
Jul-16	179	1000	10			312.5	312.5	10/8/2014	Annual	76
Sep-17	109.3	1000	1			144.15	144.15	9/22/2017	Annual	77


MOVING AVERAGE TREND TEST
VDM-14
COPPER
COPPER
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)
ug/L
25000
20000
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Jan-86
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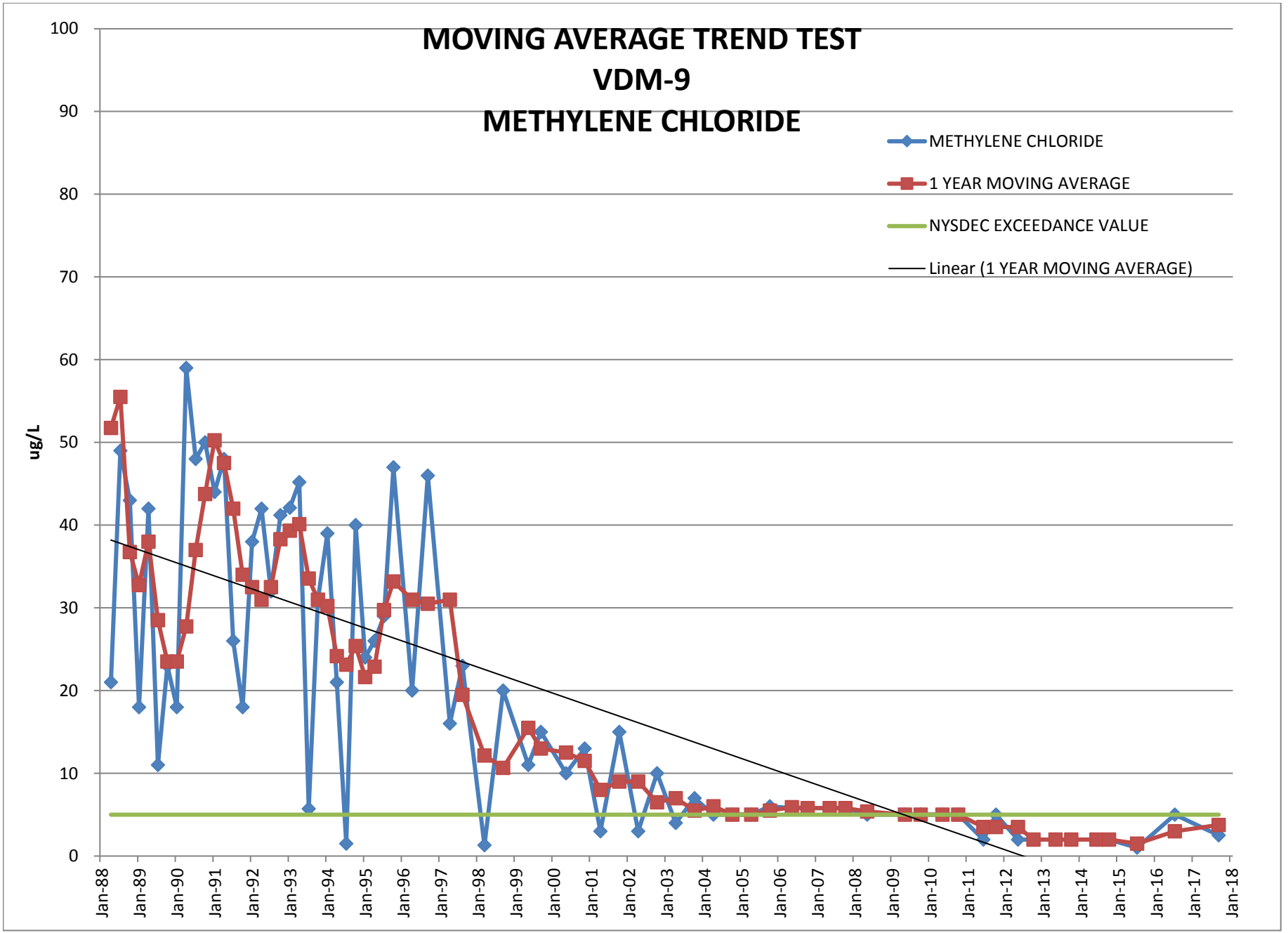
WELL VDM - 14 : COPPER

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
----------	-	-	-	-	-	-				-
Oct-85	200	1000	200	TOTAL STI	3543.745					1
Jan-86	21	1000	200	TOTAL Sx	420.5651					2
Apr-86	14	1000	200	OTAL MEA	1123.847					3
Jul-86	15	1000	200	TOTAL N	72	62.50				4
Oct-86	28	1000	200	TOTAL df	71	19.50				5
Jan-87	22	1000	200			19.75				6
Apr-87	18	1000	200			20.75				7
Jul-87	26	1000	200			23.50				8
Oct-87	50	1000	200			29.00				9
Jan-88	50	1000	200			36.00				10
Apr-88	80	1000	200			51.50				11
Jul-88	60	1000	200			60.00				12
Oct-88	80	1000	200			67.50				13
Jan-89	19	1000	200			59.75				14
Apr-89	16	1000	200			43.75				15
Jul-89	40	1000	200			38.75				16
Oct-89	39	1000	200			28.50				17
Jan-90	50	1000	200			36.25				18
Apr-90	50	1000	200			44.75				19
Jul-90	710	1000	200			212.25				20
Oct-90	50	1000	200			215.00				21
Jan-91	93.3	1000	200			225.83				22
Apr-91	79.7	1000	200			233.25				23
Jul-91	50	1000	200			68.25				24
Oct-91	40	1000	200			65.75				25
Jan-92	30	1000	200			49.93				26
Apr-92	5	1000	200			31.25				27
Jul-92	10	1000	200			21.25				28
Oct-92	10	1000	200			13.75				29
Jan-93	10	1000	200			8.75				30
Apr-93	18	1000	200			12.00				31
Jul-93	1370	1000	200			352.00				32
Oct-93	8000	1000	200			2349.50				33
Jan-94	10	1000	200			2349.50				34
Apr-94	15	1000	200			2348.75				35
Jul-94	18	1000	200			2010.75				36
Oct-94	610	1000	200			163.25				37
Jan-95	10	1000	200			163.25				38
Apr-95	10	1000	200			162.00				39
Jul-95	10	1000	200			160.00				40
Oct-95	10	1000	10			10.00				41
Apr-96	10	1000	10			10				42
Sep-96	10	1000	10			10	10	9/17/1996	semiannual	43
Apr-97	10	1000	10			10	10	4/3/1997	semiannual	44
Aug-97	320	1000	10			165	165	8/27/1997	semiannual	45
Mar-98	30	1000	20			175	175	3/24/1998	semiannual	46
Sep-98	750	1000	20			390	390	9/22/1998	semiannual	47
May-99	10	1000	10			380	380	5/11/1999	semiannual	48
Oct-99	106	1000	10			58	58	10/5/1999	semiannual	49
Nov-00	81	1000	5			93.5	93.5	11/28/2000	semiannual	50
Apr-01	60	1000	10			70.5	70.5	4/4/2001	semiannual	51
Oct-01	120	1000	10			90	90	10/18/2001	semiannual	52
Apr-02	470	1000	5			295	295	4/18/2002	semiannual	53
Oct-02	1600	1000	5			1035	1035	10/3/2002	semiannual	54
Apr-03	460	1000	5			1030	1030	4/25/2003	semiannual	55
Oct-03	1400	1000	5			930	930	10/3/2003	semiannual	56
Apr-04	1000	1000	100			1200	1200	4/1/2004	semiannual	57
Oct-04	3800	1000	100			2400	2400	10/19/2004	semiannual	58
Apr-05	22600	1000	100			13200	13200	4/22/2005	semiannual	59
Oct-05	18100	1000	100			20350	20350	10/7/2005	semiannual	60
May-06	1090	1000	100			9595	9595	5/11/2006	semiannual	61
Oct-06	3970	1000	100			2530	2530	10/18/2006	semiannual	62
May-07	5470	1000	100			4720	4720	5/22/2007	semiannual	63
Oct-07	4110	1000	100			4790	4790	10/25/2007	semiannual	64
Oct-08	2200	1000	100			3155	3155	10/27/2008	semiannual	65
May-09	250	1000	100			1225	1225	5/12/2009	semiannual	66
Oct-09	258	1000	100			254	254	10/29/2009	semiannual	67
May-10	100	1000	100			179	179	5/20/2010	semiannual	68
Oct-10	100	1000	100			100	100	10/18/2010	semiannual	69
Jun-11	85	1000	100			92.5	92.5	6/2/2011	semiannual	70
Oct-11	200	1000	200			142.5	142.5	10/12/2011	semiannual	71
May-12	100	1000	100			150	150	5/18/2012	semiannual	72
Oct-12	400	1000	400			250	250	10/11/2012	semiannual	73
May-13	400	1000	400			400	400	5/17/2013	semiannual	74
Oct-13	200	1000	200			300	300	10/11/2013	semiannual	75
May-14	110	1000	32			155	155	5/5/2014	semiannual	76
Oct-14	500	1000	15			305	305	10/6/2014	semiannual	77
Jul-15	500	1000	500			500	500	7/9/2015	semiannual	78
Jul-16	100	1000	10			300	300	7/20/2016	Annual	79
Sep-17	224	1000	1			162	162	9/22/2017	Annual	80


MOVING AVERAGE TREND TEST
VDM-9
METHYLENE CHLORIDE
METHYLENE CHLORIDE
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)
ug/L
100
90
80
70
60
50
40
30
20
10
0
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
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Jan-99
Jan-00
Jan-01
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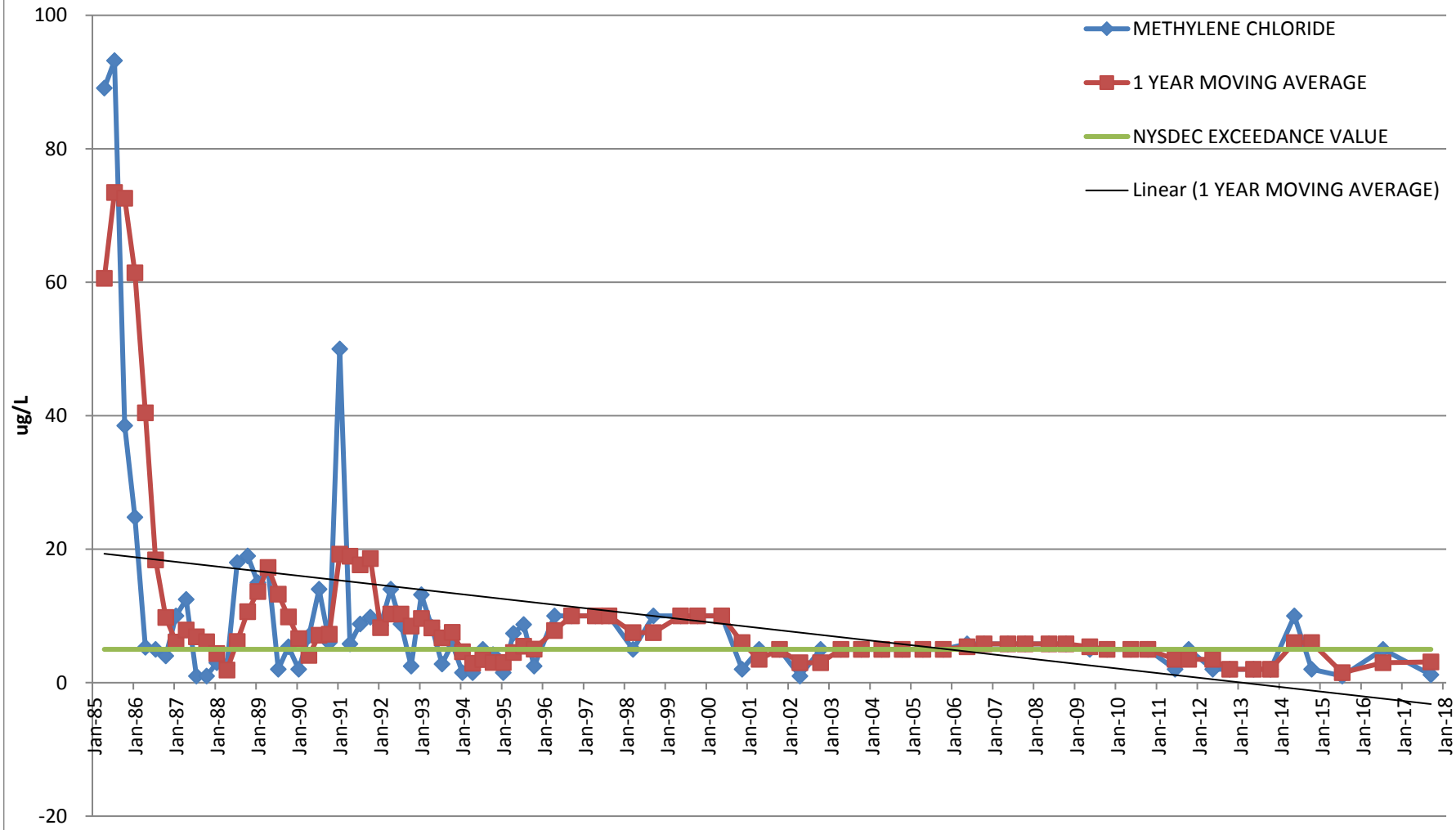
Jan-16
Jan-17
Jan-18

WELL VDM - 9 : METHYLENE CHLORIDE

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
Jan-87	263	5	5	OTAL STD	52.70811					1
Apr-87	350	5	5	TOTAL Sx	6.48792					2
Jul-87	34	5	5	TAL MEAN	31.57015					3
Oct-87	118	5	5	TOTAL N	67	191.25				4
Jan-88	34	5	5	TOTAL df	66	134.00				5
Apr-88	21	5	5			51.75				6
Jul-88	49	5	5			55.50				7
Oct-88	43	5	5			36.75				8
Jan-89	18	5	5			32.75				9
Apr-89	42	5	5			38.00				10
Jul-89	11	5	5			28.50				11
Oct-89	23	5	5			23.50				12
Jan-90	18	5	5			23.50				13
Apr-90	59	5	5			27.75				14
Jul-90	48	5	5			37.00				15
Oct-90	50	5	5			43.75				16
Jan-91	44	5	5			50.25				17
Apr-91	48	5	5			47.50				18
Jul-91	26	5	5			42.00				19
Oct-91	18	5	5			34.00				20
Jan-92	38	5	5			32.50				21
Apr-92	42	5	5			31.00				22
Jul-92	32	5	5			32.50				23
Oct-92	41.2	5	5			38.30				24
Jan-93	42.1	5	5			39.33				25
Apr-93	45.2	5	5			40.13				26
Jul-93	5.7	5	5			33.55				27
Oct-93	31	5	5			31.00				28
Jan-94	39	5	5			30.23				29
Apr-94	21	5	5			24.18				30
Jul-94	1.5	5	5			23.13				31
Oct-94	40	5	5			25.38				32
Jan-95	24	5	5			21.63				33
Apr-95	26	5	5			22.88				34
Jul-95	29	5	5			29.75				35
Oct-95	47	5	5			33.20				36
Apr-96	20	5	5			31.00	29	04/01/96		37
Sep-96	46	5	10			30.50	33	09/17/96	semiannual	38
Apr-97	16	5	10			31	31	04/03/97	semiannual	39
Aug-97	23	5	10			19.5	19.5	08/27/97	semiannual	40
Mar-98	1.3	5	5			12.15	12.15	03/24/98	semiannual	41
Sep-98	20	5	5			10.65	10.65	09/22/98	semiannual	42
May-99	11	5	10			15.5	15.5	05/11/99	semiannual	43
Sep-99	15	5	10			13	13	09/29/99	semiannual	44
May-00	10	5	10			12.5	12.5	05/16/00	semiannual	45
Nov-00	13	5	5			11.5	11.5	11/28/00	semiannual	46
Apr-01	3	5	5			8	8	04/04/01	semiannual	47
Oct-01	15	5	5			9	9	10/18/01	semiannual	48
Apr-02	3	5	5			9	9	04/18/02	semiannual	49
Oct-02	10	5	5			6.5	6.5	10/03/02	semiannual	50
Apr-03	4	5	5			7	7	04/25/03	semiannual	51
Oct-03	7	5	5			5.5	5.5	10/03/03	semiannual	52
Apr-04	5	5	5			6	6	04/01/04	semiannual	53
Oct-04	5	5	5			5	5	10/19/04	semiannual	54
Apr-05	5	5	5			5	5	04/22/05	semiannual	55
Oct-05	6	5	5			5.5	5.5	10/07/05	semiannual	56
May-06	5.8	5	5			5.9	5.9	05/11/06	semiannual	57
Oct-06	5.8	5	5			5.8	5.8	10/18/06	semiannual	58
May-07	5.8	5	5			5.8	5.8	05/22/07	semiannual	59
Oct-07	5.8	5	5			5.8	5.8	10/25/07	semiannual	60
May-08	5	5	5			5.4	5.4	05/13/08	semiannual	61
May-09	5	5	5			5	5	05/12/09	semiannual	63
Oct-09	5	5	5			5	5	10/29/09	semiannual	64
May-10	5	5	5			5	5	05/20/10	semiannual	65
Oct-10	5	5	5			5	5	10/18/10	semiannual	66
Jun-11	2	5	5			3.5	3.5	06/02/11	semiannual	67
Oct-11	5	5	5			3.5	3.5	10/12/11	semiannual	68
May-12	2	5	2			3.5	3.5	05/18/12	semiannual	69
Oct-12	2	5	2			2	2	10/11/12	semiannual	70
May-13	2	5	2			2	2	05/17/13	semiannual	71
Oct-13	2	5	2			2	2	10/11/13	semiannual	72
Jun-14	2	5	2			2	2	06/20/14	semiannual	73
Oct-14	2	5	2			2	2	10/06/14	semiannual	74
Jul-15	1	5	1			1.5	1.5	07/15/15	semiannual	75
Jul-16	5	5	5			3	3	07/20/16	Annual	76
Sep-17	2.5	5	2.5			3.75	3.75	09/22/17	Annual	77

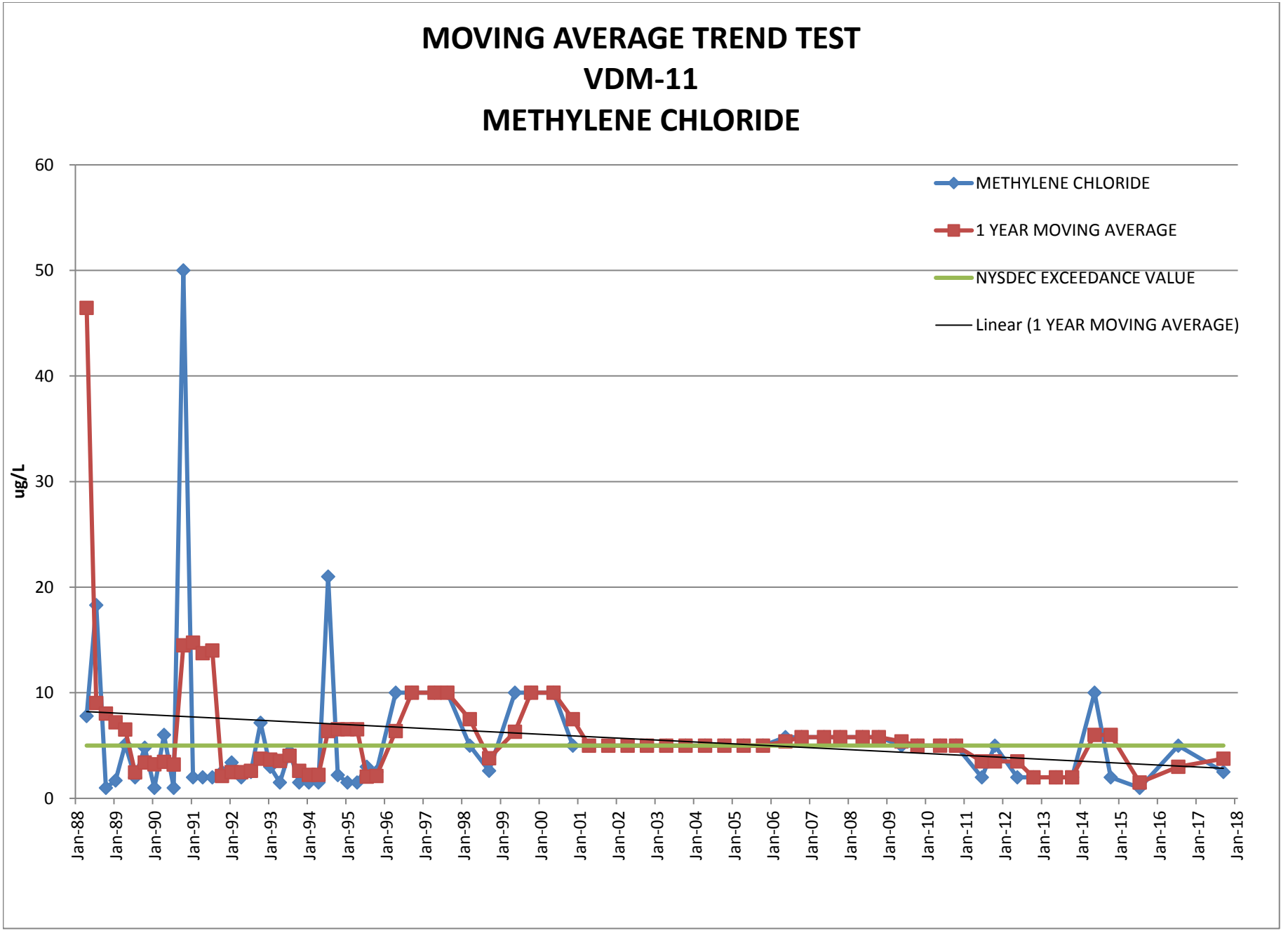
MOVING AVERAGE TREND TEST
VDM-10
METHYLENE CHLORIDE



WELL VDM - 10 : METHYLENE CHLORIDE

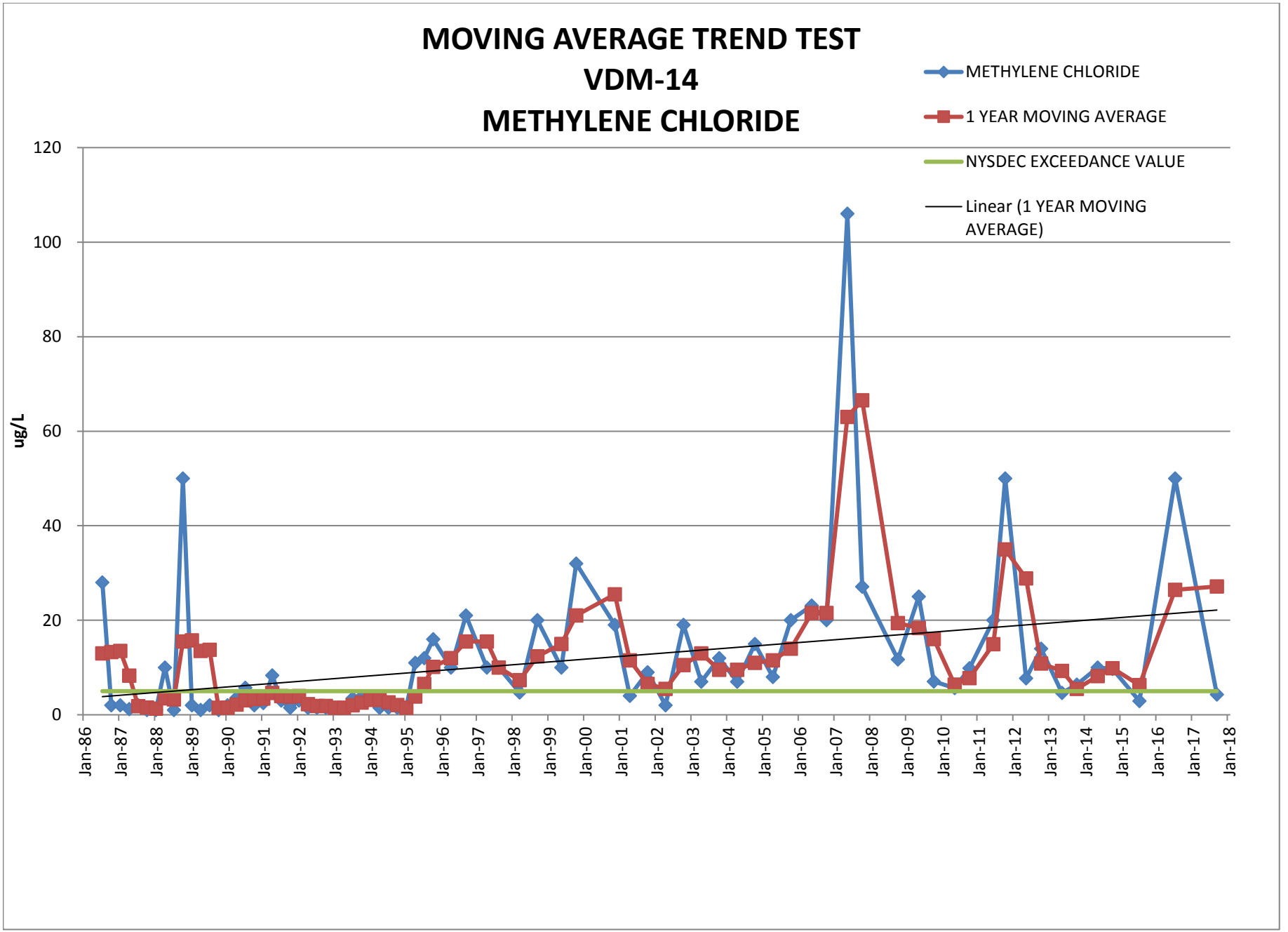
SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETEC LIMIT	STATISTICS		MOVING AVERAGE				SAMPLING EVENT NO.
Jul-84	41.7	5	5	TOTAL STD	17.216293					1
Oct-84	42	5	5	TOTAL Sx	1.9619787					2
Jan-85	69.5	5	5	OTAL MEAN	11.720641					3
Apr-85	89.1	5	5	TOTAL N	78	60.58				4
Jul-85	93.2	5	5	TOTAL df	77	73.45				5
Oct-85	38.5	5	5			72.58				6
Jan-86	24.8	5	5			61.40				7
Apr-86	5.3	5	5			40.45				8
Jul-86	5	5	5			18.40				9
Oct-86	4	5	5			9.78				10
Jan-87	10	5	5			6.08				11
Apr-87	12.5	5	5			7.88				12
Jul-87	1	5	5			6.88				13
Oct-87	1	5	5			6.13				14
Jan-88	3	5	5			4.38				15
Apr-88	2.6	5	5			1.90				16
Jul-88	18	5	5			6.15				17
Oct-88	19	5	5			10.65				18
Jan-89	15	5	5			13.65				19
Apr-89	17	5	5			17.25				20
Jul-89	2	5	5			13.25				21
Oct-89	5.4	5	5			9.85				22
Jan-90	2	5	5			6.60				23
Apr-90	7	5	5			4.10				24
Jul-90	14	5	5			7.10				25
Oct-90	6	5	5			7.25				26
Jan-91	50	5	5			19.25				27
Apr-91	5.8	5	5			18.95				28
Jul-91	8.8	5	5			17.65				29
Oct-91	9.8	5	5			18.60				30
Jan-92	8.6	5	5			8.25				31
Apr-92	14	5	5			10.30				32
Jul-92	8.8	5	5			10.30				33
Oct-92	2.5	5	5			8.48				34
Jan-93	13.2	5	5			9.63				35
Apr-93	8.31	5	5			8.20				36
Jul-93	2.8	5	5			6.70				37
Oct-93	5.9	5	5			7.55				38
Jan-94	1.5	5	5			4.63				39
Apr-94	1.5	5	5			2.93				40
Jul-94	5	5	5			3.48				41
Oct-94	4.2	5	5			3.05				42
Jan-95	1.5	5	5			3.05				43
Apr-95	7.4	5	5			4.53				44
Jul-95	8.7	5	5			5.45				45
Oct-95	2.5	5	2.5			5.03				46
Apr-96	10	5	10			7.80				47
Sep-96	10	5	10			10	10	09/17/96	semiannual	48
Apr-97	10	5	10			10	10	04/03/97	semiannual	49
Aug-97	10	5	10			10	10	08/27/97	semiannual	50
Mar-98	5	5	5			7.5	7.5	03/24/98	semiannual	51
Sep-98	10	5	5			7.5	7.5	09/22/98	semiannual	52
May-99	10	5	10			10	10	05/11/99	semiannual	53
Oct-99	10	5	10			10	10	10/05/99	semiannual	54
May-00	10	5	10			10	10	05/16/00	semiannual	55
Nov-00	2	5	5			6	6	11/28/00	semiannual	56
Apr-01	5	5	5			3.5	3.5	04/04/01	semiannual	57
Oct-01	5	5	5			5	5	10/18/01	semiannual	58
Apr-02	1	5	5			3	3	04/18/02	semiannual	59
Oct-02	5	5	5			3	3	10/03/02	semiannual	60
Apr-03	5	5	5			5	5	04/25/03	semiannual	61
Oct-03	5	5	5			5	5	10/03/03	semiannual	62
Apr-04	5	5	5			5	5	04/01/04	semiannual	63
Oct-04	5	5	5			5	5	10/19/04	semiannual	64
Apr-05	5	5	5			5	5	04/22/05	semiannual	65
Oct-05	5	5	5			5	5	10/07/05	semiannual	66
May-06	5.8	5	5			5.4	5.4	05/11/06	semiannual	67
Oct-06	5.8	5	5			5.8	5.8	10/18/06	semiannual	68
May-07	5.8	5	5			5.8	5.8	05/22/07	semiannual	69
Oct-07	5.8	5	5			5.8	5.8	10/25/07	semiannual	70
May-08	5.8	5	5			5.8	5.8	05/13/08	semiannual	71
Oct-08	5.8	5	5			5.8	5.8	10/23/08	semiannual	72
May-09	5	5	5			5.4	5.4	05/09/09	semiannual	73
Oct-09	5	5	5			5	5	10/29/09	semiannual	74
May-10	5	5	5			5	5	05/20/10	semiannual	75
Oct-10	5	5	5			5	5	10/18/10	semiannual	76
Jun-11	2	5	2			3.5	3.5	06/02/11	semiannual	77
Oct-11	5	5	5			3.5	3.5	10/12/11	semiannual	78
May-12	2	5	2			3.5	3.5	05/18/12	semiannual	79
Oct-12	2	5	2			2	2	10/11/12	semiannual	80
May-13	2	5	2			2	2	05/17/13	semiannual	81
Oct-13	2	5	2			2	2	10/11/13	semiannual	82
May-14	10	5	10			6	6	05/05/14	semiannual	83
Oct-14	2	5	2			6	6	10/06/14	semiannual	84
Jul-15	1	5	1			1.5	1.5	07/09/15	semiannual	85
Jul-16	5	5	5			3	3	07/20/16	Annual	86
Sep-17	1.2	5	2.5			3.1	3.1	09/22/17	Annual	87

MOVING AVERAGE TREND TEST
VDM-11
METHYLENE CHLORIDE



WELL VDM - 11 : METHYLENE CHLORIDE

SAMPLING EVENT NO.	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
-	-	-	-	-	-	-				-
Jan-87		5	5	TOTAL STD	20.7399					1
Apr-87		5	5	TOTAL Sx	2.5529					2
Jul-87	168	5	5	TOTAL MEAI	8.0864					3
Oct-87	5	5	5	TOTAL N	67					4
Jan-88	5	5	5	TOTAL df	66					5
Apr-88	7.8	5	5			46.45				6
Jul-88	18.3	5	5			9.03				7
Oct-88	1	5	5			8.03				8
Jan-89	1.7	5	5			7.20				9
Apr-89	5.1	5	5			6.53				10
Jul-89	2	5	5			2.45				11
Oct-89	4.8	5	5			3.40				12
Jan-90	1	5	5			3.23				13
Apr-90	6	5	5			3.45				14
Jul-90	1	5	5			3.20				15
Oct-90	50	5	5			14.50				16
Jan-91	2	5	5			14.75				17
Apr-91	2	5	5			13.75				18
Jul-91	2	5	5			14.00				19
Oct-91	2.5	5	5			2.13				20
Jan-92	3.4	5	5			2.48				21
Apr-92	2	5	5			2.48				22
Jul-92	2.5	5	5			2.60				23
Oct-92	7.16	5	5			3.77				24
Jan-93	3	5	5			3.67				25
Apr-93	1.5	5	5			3.54				26
Jul-93	4.43	5	5			4.02				27
Oct-93	1.5	5	5			2.61				28
Jan-94	1.5	5	5			2.23				29
Apr-94	1.5	5	5			2.23				30
Jul-94	21	5	5			6.38				31
Oct-94	2.2	5	5			6.55				32
Jan-95	1.5	5	5			6.55				33
Apr-95	1.5	5	5			6.55				34
Jul-95	3	5	5			2.05				35
Oct-95	2.5	5	2.5			2.13				36
Apr-96	10	5	10			6.375				37
Sep-96	10	5	10			10	10	9/17/1996	semiannual	38
Apr-97	10	5	10			10	10	4/3/1997	semiannual	39
Aug-97	10	5	10			10	10	8/27/1997	semiannual	40
Mar-98	5	5	5			7.5	7.5	3/24/1998	semiannual	41
Sep-98	2.6	5	5			3.8	3.8	9/22/1998	semiannual	42
May-99	10	5	10			6.3	6.3	5/11/1999	semiannual	43
Oct-99	10	5	10			10	10	10/5/1999	semiannual	44
May-00	10	5	10			10	10	5/16/2000	semiannual	45
Nov-00	5	5	5			7.5	7.5	11/28/2000	semiannual	46
Apr-01	5	5	5			5	5	4/4/2001	semiannual	47
Oct-01	5	5	5			5	5	10/18/2001	semiannual	48
Apr-02	5	5	5			5	5	4/18/2002	semiannual	49
Oct-02	5	5	5			5	5	10/3/2002	semiannual	50
Apr-03	5	5	5			5	5	4/25/2003	semiannual	51
Oct-03	5	5	5			5	5	10/3/2003	semiannual	52
Apr-04	5	5	5			5	5	4/1/2004	semiannual	53
Oct-04	5	5	5			5	5	10/19/2004	semiannual	54
Apr-05	5	5	5			5	5	4/22/2005	semiannual	55
Oct-05	5	5	5			5	5	10/7/2005	semiannual	56
May-06	5.8	5	5			5.4	5.4	5/11/2006	semiannual	57
Oct-06	5.8	5	5			5.8	5.8	10/18/2006	semiannual	58
May-07	5.8	5	5			5.8	5.8	5/22/2007	semiannual	59
Oct-07	5.8	5	5			5.8	5.8	10/25/2007	semiannual	60
May-08	5.8	5	5			5.8	5.8	5/13/2008	semiannual	61
Oct-08	5.8	5	5			5.8	5.8	10/23/2008	semiannual	62
May-09	5	5	5			5.4	5.4	5/12/2009	semiannual	63
Oct-09	5	5	5			5	5	10/29/2009	semiannual	64
May-10	5	5	5			5	5	5/20/2010	semiannual	65
Oct-10	5	5	5			5	5	10/18/2010	semiannual	66
Jun-11	2	5	2			3.5	3.5	6/2/2011	semiannual	67
Oct-11	5	5	5			3.5	3.5	10/12/2011	semiannual	68
May-12	2	5	2			3.5	3.5	5/18/2012	semiannual	69
Oct-12	2	5	2			2	2	10/11/2012	semiannual	70
May-13	2	5	2			2	2	5/17/2013	semiannual	71
Oct-13	2	5	2			2	2	10/11/2013	semiannual	72
May-14	10	5	2			6	6	5/5/2014	semiannual	73
Oct-14	2	5	2			6	6	10/6/2014	semiannual	74
Jul-15	1	5	2			1.5	1.5	7/9/2015	semiannual	75
Jul-16	5	5	5			3	3	7/20/2016	Annual	76
Sep-17	2.5	5	2.5			3.75	3.75	9/22/2017	Annual	77


MOVING AVERAGE TREND TEST
VDM-14
METHYLENE CHLORIDE
METHYLENE CHLORIDE
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)
ug/L
120
100
80
60
40
20
0
Jan-86
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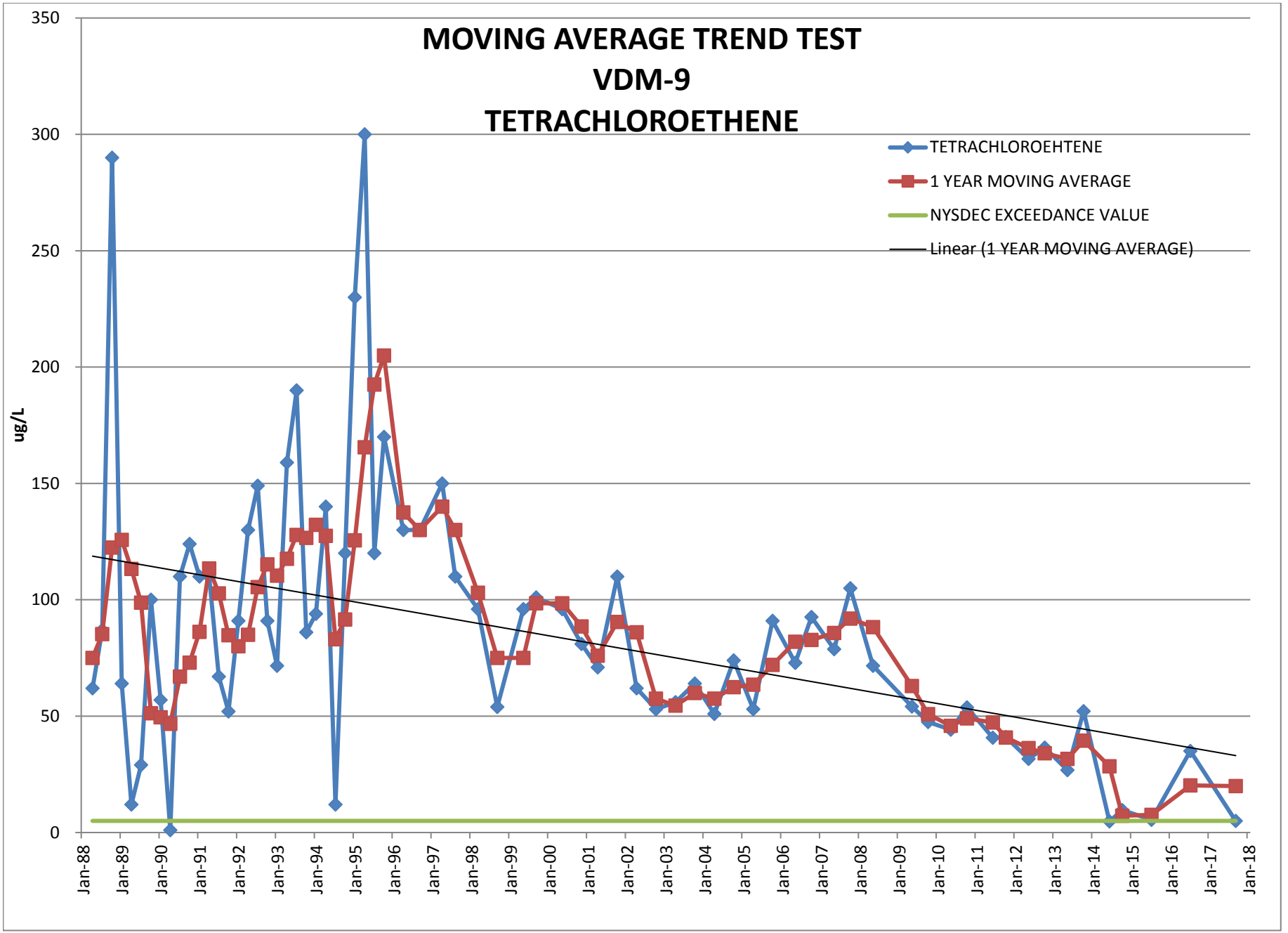
WELL VDM - 14 : METHYLENE CHLORIDE

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
---	-	-	-	-	-	-				-
Oct-85	1	5	5	TOTAL STD	15.41251					1
Jan-86	1	5	5	TOTAL Sx	1.829129					2
Apr-86	22	5	5	OTAL MEA	10.78167					3
Jul-86	28	5	5	TOTAL N	72	13.00				4
Oct-86	2	5	5	TOTAL df	71	13.25				5
Jan-87	2	5	5			13.50				6
Apr-87	1.2	5	5			8.30				7
Jul-87	2	5	5			1.80				8
Oct-87	1	5	5			1.55				9
Jan-88	1	5	5			1.30				10
Apr-88	10	5	5			3.50				11
Jul-88	1	5	5			3.25				12
Oct-88	50	5	5			15.50				13
Jan-89	2	5	5			15.75				14
Apr-89	1	5	5			13.50				15
Jul-89	2	5	5			13.75				16
Oct-89	1	5	5			1.50				17
Jan-90	2	5	5			1.50				18
Apr-90	3.6	5	5			2.15				19
Jul-90	5.7	5	5			3.08				20
Oct-90	2	5	5			3.33				21
Jan-91	2.5	5	5			3.45				22
Apr-91	8.32	5	5			4.63				23
Jul-91	3	5	5			3.96				24
Oct-91	1.5	5	5			3.83				25
Jan-92	3	5	5			3.96				26
Apr-92	1.5	5	5			2.25				27
Jul-92	1.5	5	5			1.88				28
Oct-92	1.5	5	5			1.88				29
Jan-93	1.5	5	5			1.50				30
Apr-93	1.5	5	5			1.50				31
Jul-93	3.5	5	5			2.00				32
Oct-93	3.8	5	5			2.58				33
Jan-94	3.8	5	5			3.15				34
Apr-94	1.5	5	5			3.15				35
Jul-94	1.5	5	5			2.65				36
Oct-94	1.5	5	5			2.08				37
Jan-95	1.5	5	5			1.50				38
Apr-95	11	5	5			3.88				39
Jul-95	12	5	5			6.50				40
Oct-95	16	5	5			10.13				41
Apr-96	10	5	10			12				42
Sep-96	21	5	10			15.5	15.5	9/17/1996	semiannual	43
Apr-97	10	5	10			15.5	15.5	4/3/1997	semiannual	44
Aug-97	10	5	100			10	10	8/27/1997	semiannual	45
Mar-98	4.7	5	5			7.35	7.35	3/24/1998	semiannual	46
Sep-98	20	5	5			12.35	12.35	9/22/1998	semiannual	47
May-99	10	5	10			15	15	5/11/1999	semiannual	48
Oct-99	32	5	10			21	21	10/5/1999	semiannual	49
Nov-00	19	5	5			25.5	25.5	11/28/2000	semiannual	50
Apr-01	4	5	5			11.5	11.5	4/4/2001	semiannual	51
Oct-01	9	5	5			6.5	6.5	10/18/2001	semiannual	52
Apr-02	2	5	5			5.5	5.5	4/18/2002	semiannual	53
Oct-02	19	5	25			10.5	10.5	10/3/2002	semiannual	54
Apr-03	7	5	10			13	13	4/25/2003	semiannual	55
Oct-03	12	5	5			9.5	9.5	10/3/2003	semiannual	56
Apr-04	7	5	10			9.5	9.5	4/1/2004	semiannual	57
Oct-04	15	5	10			11	11	10/19/2004	semiannual	58
Apr-05	8	5	10			11.5	11.5	4/22/2005	semiannual	59
Oct-05	20	5	10			14	14	10/7/2005	semiannual	60
May-06	23.1	5	10			21.55	21.55	5/11/2006	semiannual	61
Oct-06	20	5	10			21.55	21.55	10/18/2006	semiannual	62
May-07	106	5	10			63	63	5/22/2007	semiannual	63
Oct-07	27.1	5	10			66.55	66.55	10/25/2007	semiannual	64
Oct-08	11.7	5	10			19.4	19.4	10/23/2008	semiannual	65
May-09	25	5	25			18.35	18.35	5/12/2009	semiannual	66
Oct-09	7.05	5	25			16.025	16.025	10/29/2009	semiannual	67
May-10	5.68	5	25			6.365	6.365	5/20/2010	semiannual	68
Oct-10	9.83	5	25			7.755	7.755	10/18/2010	semiannual	69
Jun-11	20	5	20			14.915	14.915	6/2/2011	semiannual	70
Oct-11	50	5	50			35	35	10/12/2011	semiannual	71
May-12	7.7	5	2			28.85	28.85	5/18/2012	semiannual	72
Oct-12	14	5	2			10.85	10.85	10/11/2012	semiannual	73
May-13	4.6	5	2			9.3	9.3	5/17/2013	semiannual	74
Oct-13	6.4	5	2			5.5	5.5	10/11/2013	semiannual	75
May-14	10	5	10			8.2	8.2	5/5/2014	semiannual	76
Oct-14	9.7	5	2			9.85	9.85	10/6/2014	semiannual	77
Jul-15	2.9	5	1			6.3	6.3	7/9/2015	semiannual	78
Jul-16	50	5	5			26.45	26.45	7/20/2016	Annual	79
Sep-17	4.3	5	10			27.15	27.15	9/22/2017	Annual	80


MOVING AVERAGE TREND TEST
VDM-9
TETRACHLOROETHENE
TETRACHLOROEHTENE
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)
ug/L
350
300
250
200
150
100
50
0
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
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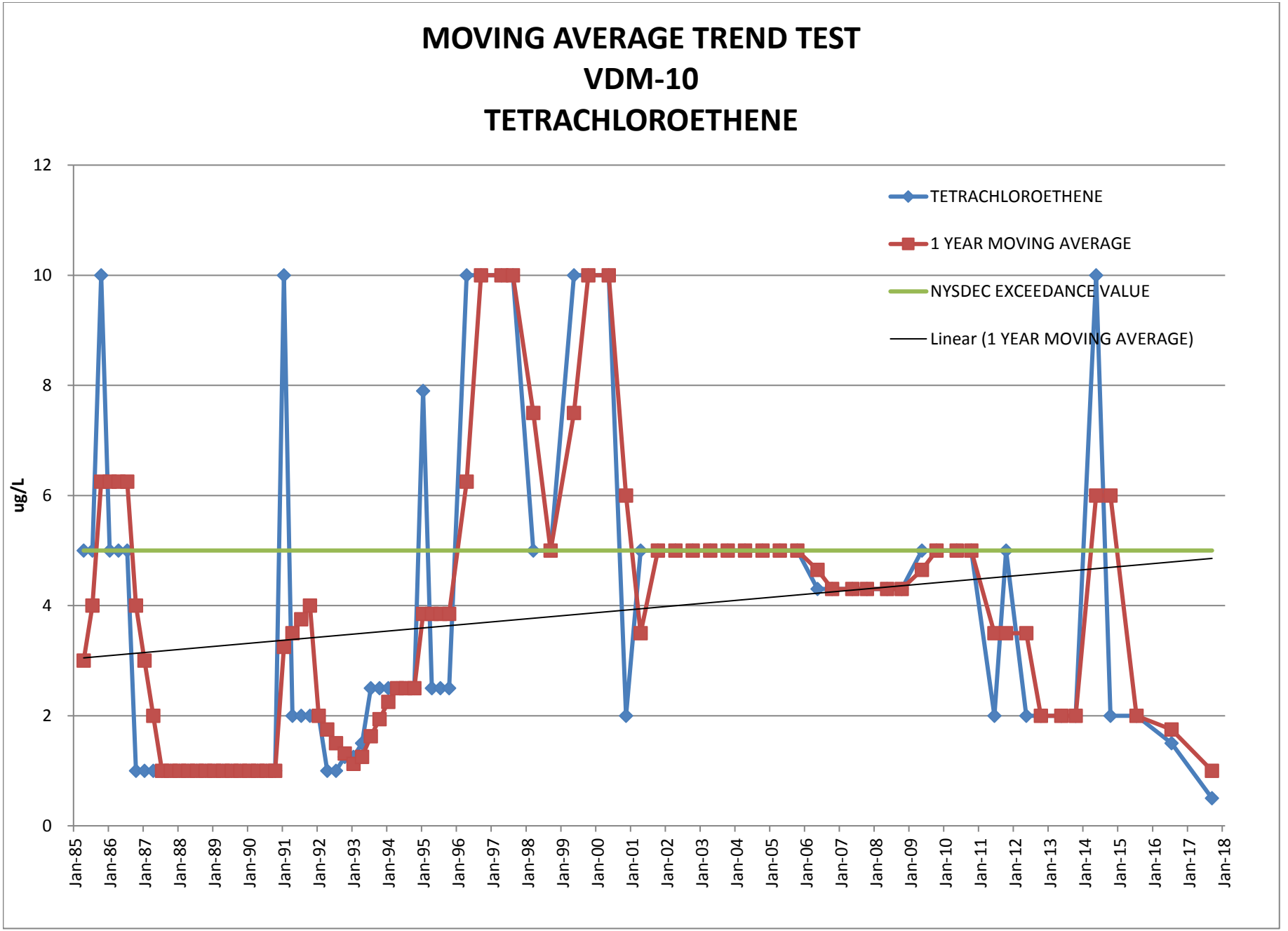
Jan-15
Jan-16
Jan-17
Jan-18

WELL VDM - 9 : TETRACHLOROETHENE

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
Jan-87		5	5	OTAL STD	55.40602					1
Apr-87		5	5	TOTAL Sx	6.925752					2
Jul-87	46	5	5	TAL MEAN	93.81385					3
Oct-87	141	5	5	TOTAL N	65					4
Jan-88	51	5	5	TOTAL df	64					5
Apr-88	62	5	5			75.00				6
Jul-88	87	5	5			85.25				7
Oct-88	290	5	5			122.50				8
Jan-89	64	5	5			125.75				9
Apr-89	12	5	5			113.25				10
Jul-89	29	5	5			98.75				11
Oct-89	100	5	5			51.25				12
Jan-90	57	5	5			49.50				13
Apr-90	1	5	5			46.75				14
Jul-90	110	5	5			67.00				15
Oct-90	124	5	5			73.00				16
Jan-91	110	5	5			86.25				17
Apr-91	110	5	5			113.50				18
Jul-91	67	5	5			102.75				19
Oct-91	52	5	5			84.75				20
Jan-92	91	5	5			80.00				21
Apr-92	130	5	5			85.00				22
Jul-92	149	5	5			105.50				23
Oct-92	91	5	5			115.25				24
Jan-93	71.6	5	5			110.40				25
Apr-93	159	5	5			117.65				26
Jul-93	190	5	5			127.90				27
Oct-93	86	5	5			126.65				28
Jan-94	94	5	5			132.25				29
Apr-94	140	5	5			127.50				30
Jul-94	12	5	5			83.00				31
Oct-94	120	5	5			91.50				32
Jan-95	230	5	5			125.50				33
Apr-95	300	5	5			165.50				34
Jul-95	120	5	5			192.50				35
Oct-95	170	5	5			205.00				36
Apr-96	130	5	5			137.5	137.5	04/01/96	semiannual	37
Sep-96	130	5	10			130	130	09/17/96	semiannual	38
Apr-97	150	5	10			140	140	04/03/97	semiannual	39
Aug-97	110	5	10			130	130	08/27/97	semiannual	40
Mar-98	96	5	5			103	103	03/24/98	semiannual	41
Sep-98	54	5	5			75	75	09/22/98	semiannual	42
May-99	96	5	10			75	75	05/11/99	semiannual	43
Sep-99	101	5	10			98.5	98.5	09/29/99	semiannual	44
May-00	96	5	10			98.5	98.5	05/16/00	semiannual	45
Nov-00	81	5	5			88.5	88.5	11/28/00	semiannual	46
Apr-01	71	5	5			76	76	04/04/01	semiannual	47
Oct-01	110	5	5			90.5	90.5	10/18/01	semiannual	48
Apr-02	62	5	5			86	86	04/18/02	semiannual	49
Oct-02	53	5	5			57.5	57.5	10/03/02	semiannual	50
Apr-03	56	5	5			54.5	54.5	04/25/03	semiannual	51
Oct-03	64	5	5			60	60	10/03/03	semiannual	52
Apr-04	51	5	5			57.5	57.5	04/01/04	semiannual	53
Oct-04	74	5	5			62.5	62.5	10/19/04	semiannual	54
Apr-05	53	5	5			63.5	63.5	04/22/05	semiannual	55
Oct-05	91	5	5			72	72	10/07/05	semiannual	56
May-06	72.9	5	5			81.95	81.95	05/11/06	semiannual	57
Oct-06	92.6	5	5			82.75	82.75	10/18/06	semiannual	58
May-07	78.8	5	5			85.7	85.7	05/22/07	semiannual	59
Oct-07	105	5	5			91.9	91.9	10/25/07	semiannual	60
May-08	71.6	5	5			88.3	88.3	05/13/08	semiannual	61
May-09	54.2	5	5			62.9	62.9	05/12/09	semiannual	63
Oct-09	47.5	5	5			50.85	50.85	10/29/09	semiannual	64
May-10	44.2	5	5			45.85	45.85	05/20/10	semiannual	65
Oct-10	53.8	5	5			49	49	10/18/10	semiannual	66
Jun-11	40.7	5	5			47.25	47.25	06/02/11	semiannual	67
Oct-11	41	5	5			40.85	40.85	10/12/11	semiannual	68
May-12	31.6	5	2			36.3	36.3	05/18/12	semiannual	69
Oct-12	36.5	5	2			34.05	34.05	10/11/12	semiannual	70
May-13	26.8	5	2			31.65	31.65	05/17/13	semiannual	71
Oct-13	52.1	5	2			39.45	39.45	10/11/13	semiannual	72
Jun-14	4.8	5	2			28.45	28.45	06/20/14	semiannual	73
Oct-14	9.6	5	2			7.2	7.2	10/06/14	semiannual	74
Jul-15	5.5	5	2			7.55	7.55	07/15/15	semiannual	75
Jul-16	35	5	1.5			20.25	20.25	07/20/16	Annual	76
Sep-17	5	5	0.5			20	20	09/22/17	Annual	77

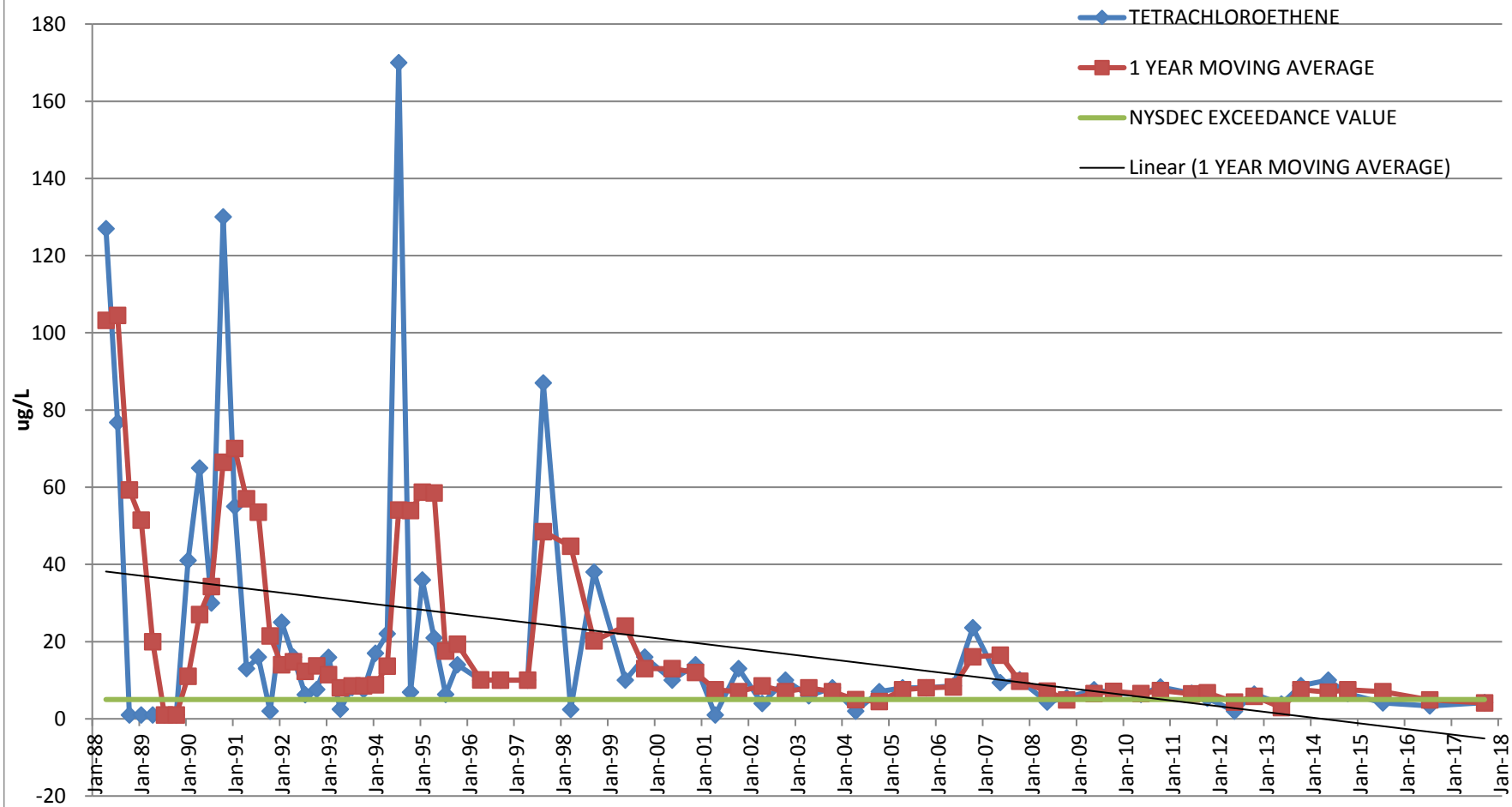
MOVING AVERAGE TREND TEST
VDM-10
TETRACHLOROETHENE



WELL VDM - 10 : TETRACHLOROETHENE

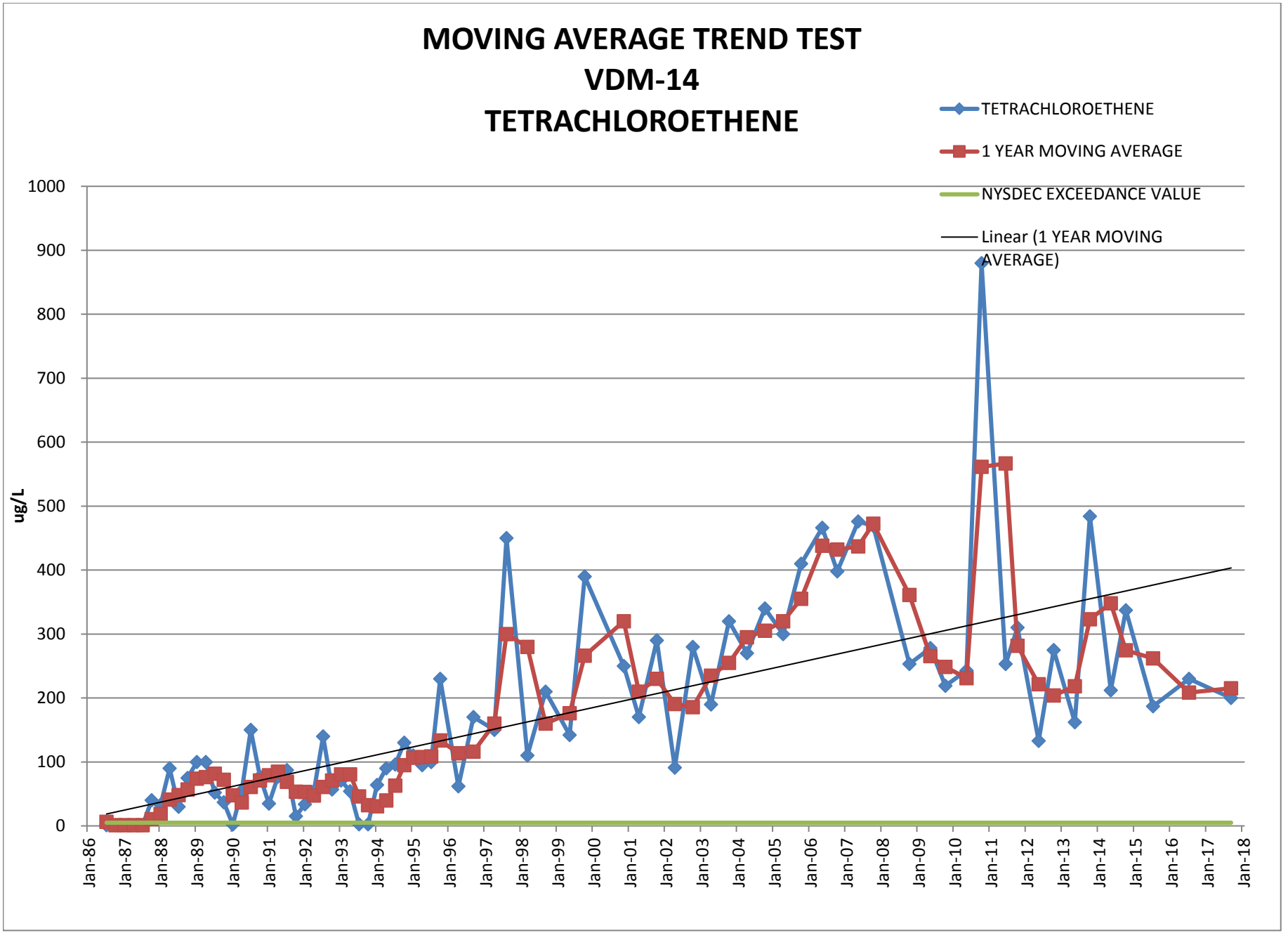
SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETEC LIMIT	STATISTICS		MOVING AVERAGE				SAMPLING EVENT NO.
-	-	-	-	----------	-	-				-
Jul-84	1	5	5	TOTAL STD	2.8078038					1
Oct-84	1	5	5	TOTAL Sx	0.3199789					2
Jan-85	5	5	5	TOTAL MEA	3.8230769					3
Apr-85	5	5	5	TOTAL N	78	3.00				4
Jul-85	5	5	5	TOTAL df	77	4.00				5
Oct-85	10	5	5			6.25				6
Jan-86	5	5	5			6.25				7
Apr-86	5	5	5			6.25				8
Jul-86	5	5	5			6.25				9
Oct-86	1	5	5			4.00				10
Jan-87	1	5	5			3.00				11
Apr-87	1	5	5			2.00				12
Jul-87	1	5	5			1.00				13
Oct-87	1	5	5			1.00				14
Jan-88	1	5	5			1.00				15
Apr-88	1	5	5			1.00				16
Jul-88	1	5	5			1.00				17
Oct-88	1	5	5			1.00				18
Jan-89	1	5	5			1.00				19
Apr-89	1	5	5			1.00				20
Jul-89	1	5	5			1.00				21
Oct-89	1	5	5			1.00				22
Jan-90	1	5	5			1.00				23
Apr-90	1	5	5			1.00				24
Jul-90	1	5	5			1.00				25
Oct-90	1	5	5			1.00				26
Jan-91	10	5	5			3.25				27
Apr-91	2	5	5			3.50				28
Jul-91	2	5	5			3.75				29
Oct-91	2	5	5			4.00				30
Jan-92	2	5	5			2.00				31
Apr-92	1	5	5			1.75				32
Jul-92	1	5	5			1.50				33
Oct-92	1.25	5	5			1.31				34
Jan-93	1.25	5	5			1.13				35
Apr-93	1.5	5	5			1.25				36
Jul-93	2.5	5	5			1.63				37
Oct-93	2.5	5	5			1.94				38
Jan-94	2.5	5	5			2.25				39
Apr-94	2.5	5	5			2.50				40
Jul-94	2.5	5	5			2.50				41
Oct-94	2.5	5	5			2.50				42
Jan-95	7.9	5	5			3.85				43
Apr-95	2.5	5	5			3.85				44
Jul-95	2.5	5	5			3.85				45
Oct-95	2.5	5	2.5			3.85				46
Apr-96	10	5	10			6.25				47
Sep-96	10	5	10			10	10	09/17/96	semiannual	48
Apr-97	10	5	10			10	10	04/03/97	semiannual	49
Aug-97	10	5	10			10	10	08/27/97	semiannual	50
Mar-98	5	5	5			7.5	7.5	03/24/98	semiannual	51
Sep-98	5	5	5			5	5	09/22/98	semiannual	52
May-99	10	5	10			7.5	7.5	05/11/99	semiannual	53
Oct-99	10	5	10			10	10	10/05/99	semiannual	54
May-00	10	5	10			10	10	05/16/00	semiannual	55
Nov-00	2	5	5			6	6	11/28/00	semiannual	56
Apr-01	5	5	5			3.5	3.5	04/04/01	semiannual	57
Oct-01	5	5	5			5	5	10/18/01	semiannual	58
Apr-02	5	5	5			5	5	04/18/02	semiannual	59
Oct-02	5	5	5			5	5	10/03/02	semiannual	60
Apr-03	5	5	5			5	5	04/25/03	semiannual	61
Oct-03	5	5	5			5	5	10/03/03	semiannual	62
Apr-04	5	5	5			5	5	04/01/04	semiannual	63
Oct-04	5	5	5			5	5	10/19/04	semiannual	64
Apr-05	5	5	5			5	5	04/22/05	semiannual	65
Oct-05	5	5	5			5	5	10/07/05	semiannual	66
May-06	4.3	5	5			4.65	4.65	05/11/06	semiannual	67
Oct-06	4.3	5	5			4.3	4.3	10/18/06	semiannual	68
May-07	4.3	5	5			4.3	4.3	05/22/07	semiannual	69
Oct-07	4.3	5	5			4.3	4.3	10/25/07	semiannual	70
May-08	4.3	5	5			4.3	4.3	05/13/08	semiannual	71
Oct-08	4.3	5	5			4.3	4.3	10/23/08	semiannual	72
May-09	5	5	5			4.65	4.65	05/09/09	semiannual	73
Oct-09	5	5	5			5	5	10/29/09	semiannual	74
May-10	5	5	5			5	5	05/20/10	semiannual	75
Oct-10	5	5	5			5	5	10/18/10	semiannual	76
Jun-11	2	5	2			3.5	3.5	06/02/11	semiannual	77
Oct-11	5	5	5			3.5	3.5	10/12/11	semiannual	78
May-12	2	5	2			3.5	3.5	05/18/12	semiannual	79
Oct-12	2	5	2			2	2	10/11/12	semiannual	80
May-13	2	5	2			2	2	05/17/13	semiannual	81
Oct-13	2	5	2			2	2	10/11/13	semiannual	82
May-14	10	5	10			6	6	05/05/14	semiannual	83
Oct-14	2	5	2			6	6	10/06/14	semiannual	84
Jul-15	2	5	2			2	2	07/09/15	semiannual	85
Jul-16	1.5	5	1.5			1.75	1.75	07/20/16	Annual	86
Sep-17	0.5	5	0.5			1	1	09/22/17	Annual	87

MOVING AVERAGE TREND TEST
VDM-11
TETRACHLOROETHENE



WELL VDM - 11 : TETRACHLOROETHENE

SAMPLING EVENT NO.	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
-	-	-	-	-	-	-				-
Jan-87		5	5	TOTAL STD	37.5902					1
Apr-87		5	5	TOTAL Sx	4.6270					2
Jul-87	71.6	5	5	TOTAL MEAI	23.9891					3
Oct-87	182	5	5	TOTAL N	67					4
Jan-88	32.3	5	5	TOTAL df	66					5
Apr-88	127	5	5			103.23				6
Jul-88	76.8	5	5			104.53				7
Oct-88	1	5	5			59.28				8
Jan-89	1	5	5			51.45				9
Apr-89	1	5	5			19.95				10
Jul-89	1	5	5			1.00				11
Oct-89	1	5	5			1.00				12
Jan-90	41	5	5			11.00				13
Apr-90	65	5	5			27.00				14
Jul-90	30	5	5			34.25				15
Oct-90	130	5	5			66.50				16
Jan-91	55	5	5			70.00				17
Apr-91	13	5	5			57.00				18
Jul-91	16	5	5			53.50				19
Oct-91	2	5	5			21.50				20
Jan-92	25	5	5			14.00				21
Apr-92	16	5	5			14.75				22
Jul-92	6.25	5	5			12.31				23
Oct-92	7.58	5	5			13.71				24
Jan-93	15.9	5	5			11.43				25
Apr-93	2.5	5	5			8.06				26
Jul-93	8.1	5	5			8.52				27
Oct-93	7.5	5	5			8.50				28
Jan-94	17	5	5			8.78				29
Apr-94	22	5	5			13.65				30
Jul-94	170	5	5			54.13				31
Oct-94	6.9	5	5			53.98				32
Jan-95	36	5	5			58.73				33
Apr-95	21	5	5			58.48				34
Jul-95	6.3	5	5			17.55				35
Oct-95	14	5	2.5			19.33				36
Apr-96	10	5	10			10.075				37
Sep-96	10	5	10			10	10	9/17/1996	semiannual	38
Apr-97	10	5	10			10	10	4/3/1997	semiannual	39
Aug-97	87	5	10			48.5	48.5	8/27/1997	semiannual	40
Mar-98	2.4	5	5			44.7	44.7	3/24/1998	semiannual	41
Sep-98	38	5	5			20.2	20.2	9/22/1998	semiannual	42
May-99	10	5	10			24	24	5/11/1999	semiannual	43
Oct-99	16	5	10			13	13	10/5/1999	semiannual	44
May-00	10	5	10			13	13	5/16/2000	semiannual	45
Nov-00	14	5	5			12	12	11/28/2000	semiannual	46
Apr-01	1	5	5			7.5	7.5	4/4/2001	semiannual	47
Oct-01	13	5	5			7	7	10/18/2001	semiannual	48
Apr-02	4	5	5			8.5	8.5	4/18/2002	semiannual	49
Oct-02	10	5	5			7	7	10/3/2002	semiannual	50
Apr-03	6	5	5			8	8	4/25/2003	semiannual	51
Oct-03	8	5	5			7	7	10/3/2003	semiannual	52
Apr-04	2	5	5			5	5	4/1/2004	semiannual	53
Oct-04	7	5	5			4.5	4.5	10/19/2004	semiannual	54
Apr-05	8	5	5			7.5	7.5	4/22/2005	semiannual	55
Oct-05	8	5	5			8	8	10/7/2005	semiannual	56
May-06	8.51	5	5			8.255	8.255	5/11/2006	semiannual	57
Oct-06	23.6	5	5			16.055	16.055	10/18/2006	semiannual	58
May-07	9.4	5	5			16.5	16.5	5/22/2007	semiannual	59
Oct-07	10.1	5	5			9.75	9.75	10/25/2007	semiannual	60
May-08	4.3	5	5			7.2	7.2	5/13/2008	semiannual	61
Oct-08	5.5	5	5			4.9	4.9	10/23/2008	semiannual	62
May-09	7.5	5	5			6.5	6.5	5/12/2009	semiannual	63
Oct-09	6.73	5	5			7.115	7.115	10/29/2009	semiannual	64
May-10	6.32	5	5			6.525	6.525	5/20/2010	semiannual	65
Oct-10	8.26	5	5			7.29	7.29	10/18/2010	semiannual	66
Jun-11	6.62	5	5			6.47	6.47	6/2/2011	semiannual	67
Oct-11	5.3	5	5			6.78	6.78	10/12/2011	semiannual	68
May-12	2	5	2			4.31	4.31	5/18/2012	semiannual	69
Oct-12	6.4	5	2			5.85	5.85	10/11/2012	semiannual	70
May-13	3.8	5	3.8			2.9	2.9	5/17/2013	semiannual	71
Oct-13	8.6	5	2			7.5	7.5	10/11/2013	semiannual	72
May-14	10	5	10			6.9	6.9	5/5/2014	semiannual	73
Oct-14	6.5	5	2			7.55	7.55	10/6/2014	semiannual	74
Jul-15	4.1	5	2			7.05	7.05	7/9/2015	semiannual	75
Jul-16	3.3	5	1.5			4.9	4.9	7/20/2016	Annual	76
Sep-17	4.2	5	0.5			4.15	4.15	9/22/2017	Annual	77


MOVING AVERAGE TREND TEST
VDM-14
TETRACHLOROETHENE
TETRACHLOROETHENE
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)
ug/L
1000
900
800
700
600
500
400
300
200
100
0
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
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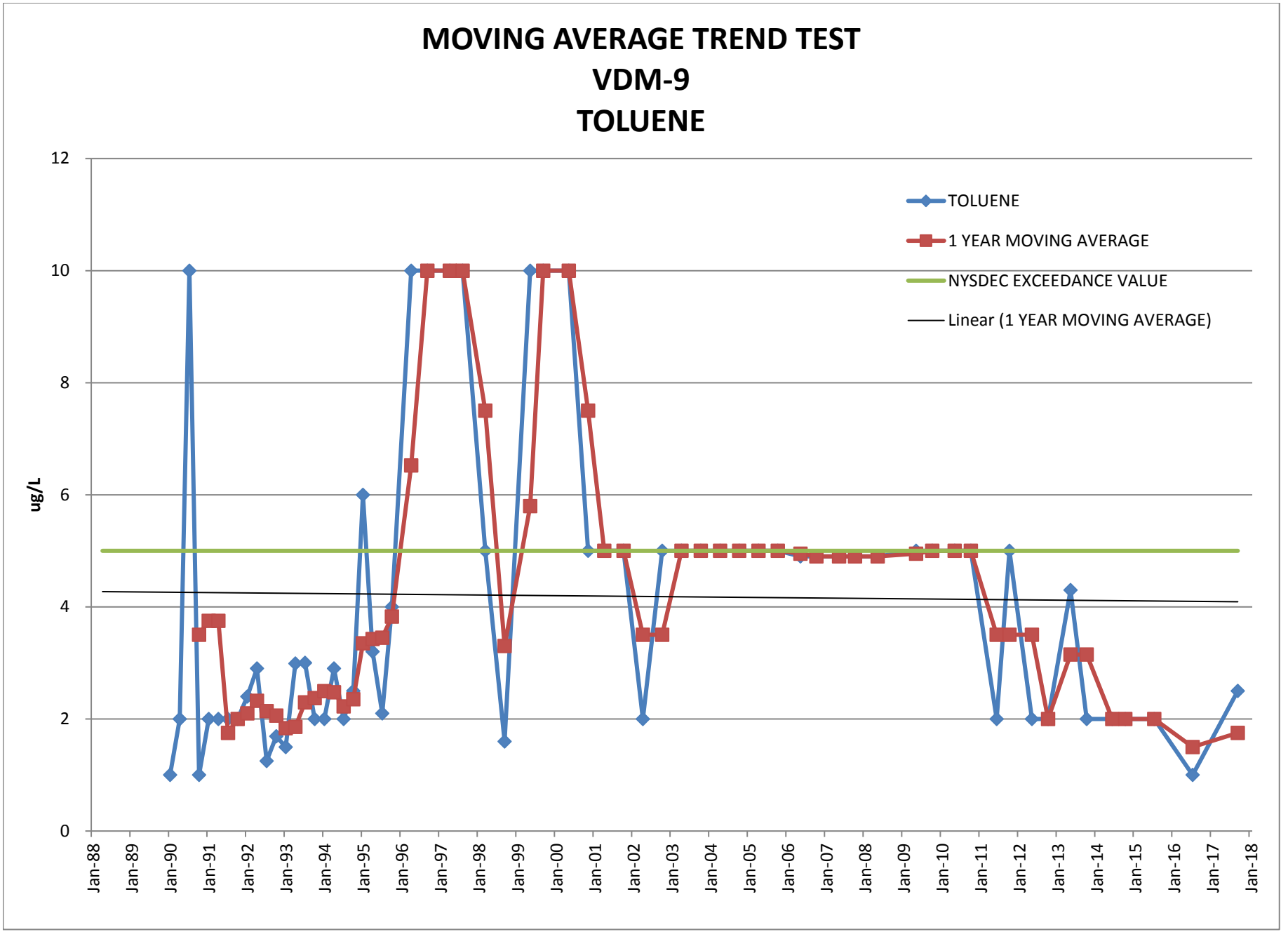
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
Jan-18

WELL VDM - 14 : TETRACHLOROETHENE

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
---	-	-	-	-	-	-				-
Oct-85	22.4	5	5	TOTAL STI	158.1411					1
Jan-86	1	5	5	TOTAL Sx	18.7679					2
Apr-86	1	5	5	OTAL MEA	158.1597					3
Jul-86	1	5	5	TOTAL N	72	6.35				4
Oct-86	1	5	5	TOTAL df	71	1.00				5
Jan-87	1	5	5			1.00				6
Apr-87	1	5	5			1.00				7
Jul-87	1	5	5			1.00				8
Oct-87	40	5	5			10.75				9
Jan-88	33	5	5			18.75				10
Apr-88	90	5	5			41.00				11
Jul-88	30	5	5			48.25				12
Oct-88	75	5	5			57.00				13
Jan-89	100	5	5			73.75				14
Apr-89	100	5	5			76.25				15
Jul-89	52	5	5			81.75				16
Oct-89	37	5	5			72.25				17
Jan-90	2	5	5			47.75				18
Apr-90	55	5	5			36.50				19
Jul-90	150	5	5			61.00				20
Oct-90	77	5	5			71.00				21
Jan-91	35	5	5			79.25				22
Apr-91	77.1	5	5			84.78				23
Jul-91	87.3	5	5			69.10				24
Oct-91	15	5	5			53.60				25
Jan-92	33.7	5	5			53.28				26
Apr-92	54	5	5			47.50				27
Jul-92	140	5	5			60.68				28
Oct-92	57	5	5			71.18				29
Jan-93	71	5	5			80.50				30
Apr-93	54	5	5			80.50				31
Jul-93	2.5	5	5			46.13				32
Oct-93	2.5	5	5			32.50				33
Jan-94	64	5	5			30.75				34
Apr-94	90	5	5			39.75				35
Jul-94	96	5	5			63.13				36
Oct-94	130	5	5			95.00				37
Jan-95	110	5	5			106.50				38
Apr-95	95	5	5			107.75				39
Jul-95	100	5	5			108.75				40
Oct-95	230	5	5			133.75				41
Apr-96	62	5	5			113.5				42
Sep-96	170	5	10			116	116	9/17/1996	semiannual	43
Apr-97	150	5	10			160	160	4/3/1997	semiannual	44
Aug-97	450	5	100			300	300	8/27/1997	semiannual	45
Mar-98	110	5	5			280	280	3/24/1998	semiannual	46
Sep-98	210	5	5			160	160	9/22/1998	semiannual	47
May-99	142	5	10			176	176	5/11/1999	semiannual	48
Oct-99	390	5	10			266	266	10/5/1999	semiannual	49
Nov-00	250	5	5			320	320	11/28/2000	semiannual	50
Apr-01	170	5	5			210	210	4/4/2001	semiannual	51
Oct-01	290	5	5			230	230	10/18/2001	semiannual	52
Apr-02	91	5	5			190.5	190.5	4/18/2002	semiannual	53
Oct-02	280	5	25			185.5	185.5	10/3/2002	semiannual	54
Apr-03	190	5	10			235	235	4/25/2003	semiannual	55
Oct-03	320	5	5			255	255	10/3/2003	semiannual	56
Apr-04	270	5	5			295	295	4/1/2004	semiannual	57
Oct-04	340	5	5			305	305	10/19/2004	semiannual	58
Apr-05	300	5	5			320	320	4/22/2005	semiannual	59
Oct-05	410	5	5			355	355	10/7/2005	semiannual	60
May-06	466	5	5			438	438	5/11/2006	semiannual	61
Oct-06	398	5	5			432	432	10/18/2006	semiannual	62
May-07	476	5	5			437	437	5/22/2007	semiannual	63
Oct-07	469	5	5			472.5	472.5	10/25/2007	semiannual	64
Oct-08	253	5	5			361	361	10/23/2008	semiannual	65
May-09	278	5	25			265.5	265.5	5/12/2009	semiannual	66
Oct-09	219	5	25			248.5	248.5	10/29/2009	semiannual	67
May-10	243	5	25			231	231	5/20/2010	semiannual	68
Oct-10	880	5	25			561.5	561.5	10/18/2010	semiannual	69
Jun-11	253	5	25			566.5	566.5	6/2/2011	semiannual	70
Oct-11	310	5	25			281.5	281.5	10/12/2011	semiannual	71
May-12	133	5	2			221.5	221.5	5/18/2012	semiannual	72
Oct-12	275	5	2			204	204	10/11/2012	semiannual	73
May-13	162	5	2			218.5	218.5	5/17/2013	semiannual	74
Oct-13	484	5	2			323	323	10/11/2013	semiannual	75
May-14	212	5	2			348	348	5/5/2014	semiannual	76
Oct-14	337	5	2			274.5	274.5	10/6/2014	semiannual	77
Jul-15	187	5	2			262	262	7/9/2015	semiannual	78
Jul-16	230	5	1.5			208.5	208.5	7/20/2016	Annual	79
Sep-17	200	5	2			215	215	9/22/2017	Annual	80


MOVING AVERAGE TREND TEST
VDM-9
TOLUENE
ug/L
12
10
8
6
4
2
0
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
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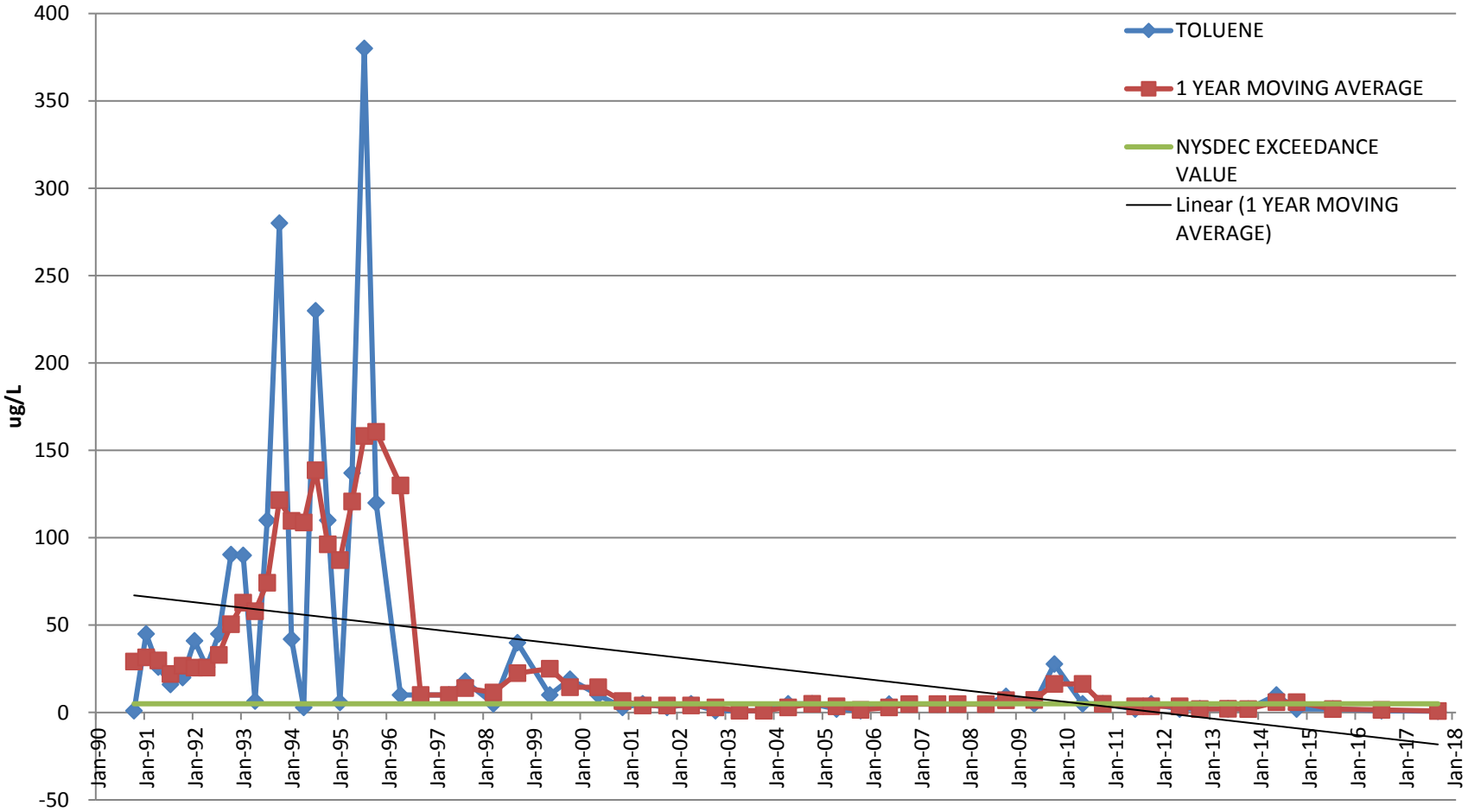
Jan-16
Jan-17
Jan-18
TOLUENE
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)

WELL VDM - 9 : TOLUENE

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
Jan-87		5		TOTAL STD	2.688421					1
Apr-87		5		TOTAL Sx	0.365848					2
Jul-87		5		TOTAL MEAN	4.446					3
Oct-87		5		TOTAL N	55					4
Jan-88		5		TOTAL df	54					5
Apr-88		5								6
Jul-88		5								7
Oct-88		5								8
Jan-89		5								9
Apr-89		5								10
Jul-89		5								11
Oct-89		5								12
Jan-90	1	5	5							13
Apr-90	2	5	5							14
Jul-90	10	5	5							15
Oct-90	1	5	5			3.50				16
Jan-91	2	5	5			3.75				17
Apr-91	2	5	5			3.75				18
Jul-91	2	5	5			1.75				19
Oct-91	2	5	5			2.00				20
Jan-92	2.4	5	5			2.10				21
Apr-92	2.9	5	5			2.33				22
Jul-92	1.25	5	5			2.14				23
Oct-92	1.69	5	5			2.06				24
Jan-93	1.5	5	5			1.84				25
Apr-93	2.99	5	5			1.86				26
Jul-93	3	5	5			2.30				27
Oct-93	2	5	5			2.37				28
Jan-94	2	5	5			2.50				29
Apr-94	2.9	5	5			2.48				30
Jul-94	2	5	5			2.23				31
Oct-94	2.5	5	5			2.35				32
Jan-95	6	5	5			3.35				33
Apr-95	3.2	5	5			3.43				34
Jul-95	2.1	5	5			3.45				35
Oct-95	4	5	4			3.83				36
Apr-96	10	5	10			6.525	6.525			37
Sep-96	10	5	10			10	10	09/17/96	semiannual	38
Apr-97	10	5	10			10	10	04/03/97	semiannual	39
Aug-97	10	5	10			10	10	08/27/97	semiannual	40
Mar-98	5	5	5			7.5	7.5	03/24/98	semiannual	41
Sep-98	1.6	5	5			3.3	3.3	09/22/98	semiannual	42
May-99	10	5	10			5.8	5.8	05/11/99	semiannual	43
Sep-99	10	5	10			10	10	09/29/99	semiannual	44
May-00	10	5	10			10	10	05/16/00	semiannual	45
Nov-00	5	5	5			7.5	7.5	11/28/00	semiannual	46
Apr-01	5	5	5			5	5	04/04/01	semiannual	47
Oct-01	5	5	5			5	5	10/18/01	semiannual	48
Apr-02	2	5	5			3.5	3.5	04/18/02	semiannual	49
Oct-02	5	5	5			3.5	3.5	10/03/02	semiannual	50
Apr-03	5	5	5			5	5	04/25/03	semiannual	51
Oct-03	5	5	5			5	5	10/03/03	semiannual	52
Apr-04	5	5	5			5	5	04/01/04	semiannual	53
Oct-04	5	5	5			5	5	10/19/04	semiannual	54
Apr-05	5	5	5			5	5	04/22/05	semiannual	55
Oct-05	5	5	5			5	5	10/07/05	semiannual	56
May-06	4.9	5	5			4.95	4.95	05/11/06	semiannual	57
Oct-06	4.9	5	5			4.9	4.9	10/10/06	semiannual	58
May-07	4.9	5	5			4.9	4.9	05/22/07	semiannual	59
Oct-07	4.9	5	5			4.9	4.9	10/25/07	semiannual	60
May-08	4.9	5	5			4.9	4.9	05/13/08	semiannual	61
May-09	5	5	5			4.95	4.95	05/12/09	semiannual	63
Oct-09	5	5	5			5	5	10/29/09	semiannual	64
May-10	5	5	5			5	5	05/20/10	semiannual	65
Oct-10	5	5	5			5	5	10/18/10	semiannual	66
Jun-11	2	5	2			3.5	3.5	06/02/11	semiannual	67
Oct-11	5	5	5			3.5	3.5	10/12/11	semiannual	68
May-12	2	5	2			3.5	3.5	05/18/12	semiannual	69
Oct-12	2	5	2			2	2	10/11/12	semiannual	70
May-13	4.3	5	2			3.15	3.15	05/17/13	semiannual	71
Oct-13	2	5	2			3.15	3.15	10/11/13	semiannual	72
Jun-14	2	5	2			2	2	06/20/14	semiannual	73
Oct-14	2	5	2			2	2	10/06/14	semiannual	74
Jul-15	2	5	2			2	2	07/16/15	semiannual	75
Jul-16	1	5	1			1.5	1.5	07/20/16	Annual	76
Sep-17	2.5	5	2.5			1.75	1.75	09/22/17	Annual	77

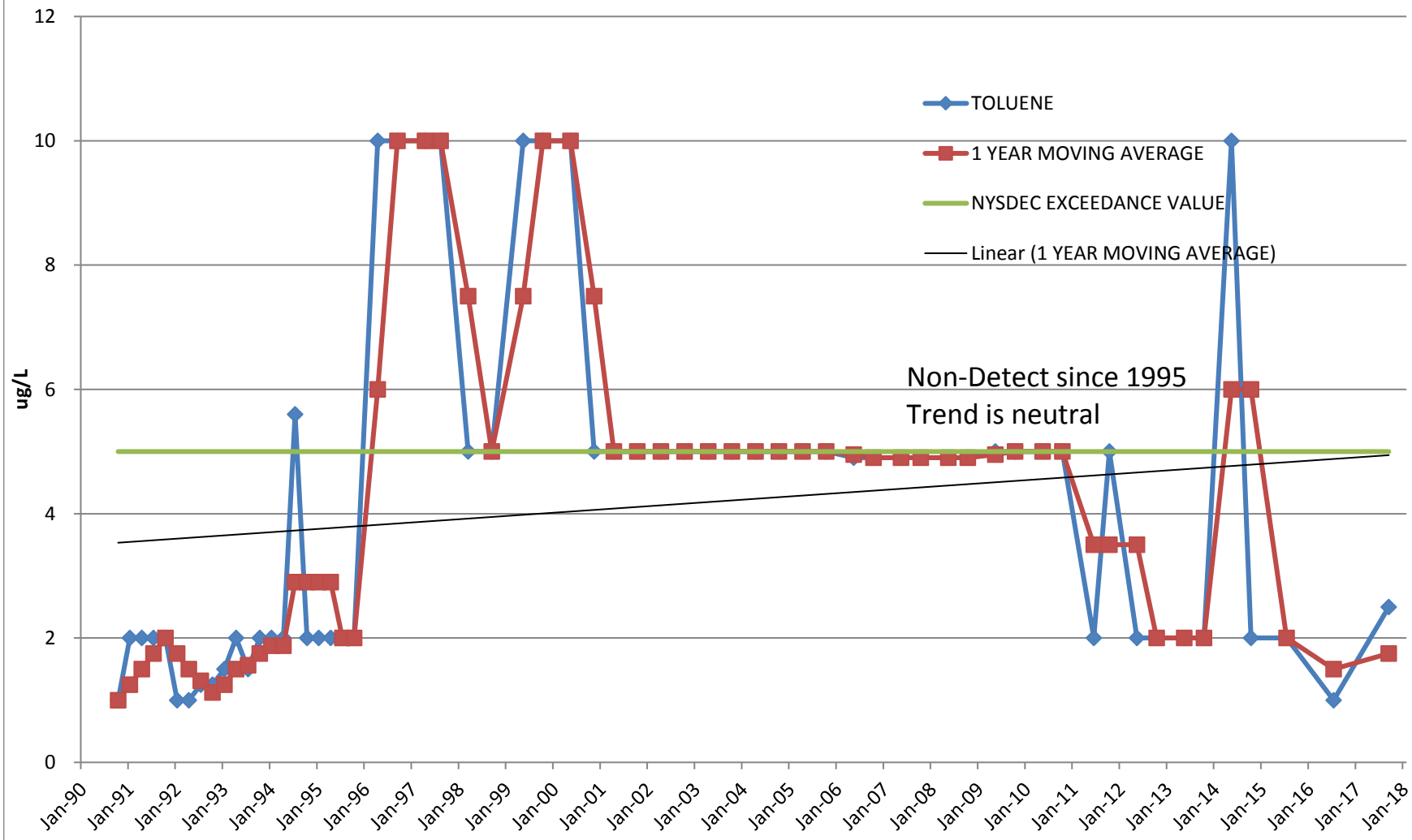
MOVING AVERAGE TREND TEST
VDM-10
TOLUENE



WELL VDM - 10 : TOLUENE

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETEC LIMIT	STATISTICS		MOVING AVERAGE				SAMPLING EVENT NO.
-	-	-	-	----------	-	-				-
Jul-84		5	5	TOTAL STD	70.966669					1
Oct-84		5	5	TOTAL Sx	9.5691437					2
Jan-85		5	5	TOTAL MEA	39.071429					3
Apr-85		5	5	TOTAL N	56					4
Jul-85		5	5	TOTAL df	55					5
Oct-85		5	5							6
Jan-86		5	5							7
Apr-86		5	5							8
Jul-86		5	5							9
Oct-86		5	5							10
Jan-87		5	5							11
Apr-87		5	5							12
Jul-87		5	5							13
Oct-87		5	5							14
Jan-88		5	5							15
Apr-88		5	5							16
Jul-88		5	5							17
Oct-88		5	5							18
Jan-89		5	5							19
Apr-89		5	5							20
Jul-89		5	5							21
Oct-89		5	5							22
Jan-90	36	5	5							23
Apr-90	33	5	5							24
Jul-90	47	5	5							25
Oct-90	1	5	5			29.25				26
Jan-91	45	5	5			31.50				27
Apr-91	26	5	5			29.75				28
Jul-91	16	5	5			22.00				29
Oct-91	20	5	5			26.75				30
Jan-92	41	5	5			25.75				31
Apr-92	26	5	5			25.75				32
Jul-92	45	5	5			33.00				33
Oct-92	90.4	5	5			50.60				34
Jan-93	89.9	5	5			62.83				35
Apr-93	6.5	5	5			57.95				36
Jul-93	110	5	5			74.20				37
Oct-93	280	5	5			121.60				38
Jan-94	42	5	5			109.63				39
Apr-94	2.9	5	5			108.73				40
Jul-94	230	5	5			138.73				41
Oct-94	110	5	5			96.23				42
Jan-95	5.8	5	5			87.18				43
Apr-95	137	5	5			120.70				44
Jul-95	380	5	5			158.20				45
Oct-95	120	5	2			160.70				46
Apr-96	10	5	10			130.00				47
Sep-96	10	5	10			10	10	09/17/96	semiannual	48
Apr-97	10	5	10			10	10	04/03/97	semiannual	49
Aug-97	18	5	10			14	14	08/27/97	semiannual	50
Mar-98	5	5	5			11.5	11.5	03/24/98	semiannual	51
Sep-98	40	5	5			22.5	22.5	09/22/98	semiannual	52
May-99	10	5	10			25	25	05/11/99	semiannual	53
Oct-99	19	5	10			14.5	14.5	10/05/99	semiannual	54
May-00	10	5	10			14.5	14.5	05/16/00	semiannual	55
Nov-00	3	5	5			6.5	6.5	11/28/00	semiannual	56
Apr-01	5	5	5			4	4	04/04/01	semiannual	57
Oct-01	3	5	5			4	4	10/18/01	semiannual	58
Apr-02	5	5	5			4	4	04/18/02	semiannual	59
Oct-02	1	5	5			3	3	10/03/02	semiannual	60
Apr-03	1	5	5			1	1	04/25/03	semiannual	61
Oct-03	1	5	5			1	1	10/03/03	semiannual	62
Apr-04	5	5	5			3	3	04/01/04	semiannual	63
Oct-04	5	5	5			5	5	10/19/04	semiannual	64
Apr-05	2	5	5			3.5	3.5	04/22/05	semiannual	65
Oct-05	1	5	5			1.5	1.5	10/07/05	semiannual	66
May-06	4.9	5	5			2.95	2.95	05/11/06	semiannual	67
Oct-06	4.9	5	5			4.9	4.9	10/18/06	semiannual	68
May-07	4.9	5	5			4.9	4.9	05/22/07	semiannual	69
Oct-07	4.9	5	5			4.9	4.9	10/25/07	semiannual	70
May-08	4.9	5	5			4.9	4.9	05/14/08	semiannual	71
Oct-08	9.3	5	5			7.1	7.1	10/23/08	semiannual	72
May-09	5	5	5			7.15	7.15	05/12/09	semiannual	73
Oct-09	27.7	5	5			16.35	16.35	05/13/09	semiannual	74
May-10	5	5	5			16.35	16.35	05/14/09	semiannual	75
Oct-10	5	5	5			5	5	05/15/09	semiannual	76
Jun-11	2	5	2			3.5	3.5	06/02/11	semiannual	77
Oct-11	5	5	5			3.5	3.5	10/12/11	semiannual	78
May-12	2	5	2			3.5	3.5	05/18/12	semiannual	79
Oct-12	2.1	5	2			2.05	2.05	10/11/12	semiannual	80
May-13	2.1	5	2			2.1	2.1	05/17/13	semiannual	81
Oct-13	2	5	2			2.05	2.05	10/11/13	semiannual	82
May-14	10	5	10			6	6	05/05/14	semiannual	83
Oct-14	2	5	2			6	6	10/06/14	semiannual	84
Jul-15	2	5	2			2	2	07/09/15	semiannual	85
Jul-16	1	5	1			1.5	1.5	07/20/16	Annual	86
Sep-17	0.74	5	2.5			0.87	0.87	09/22/17	Annual	87

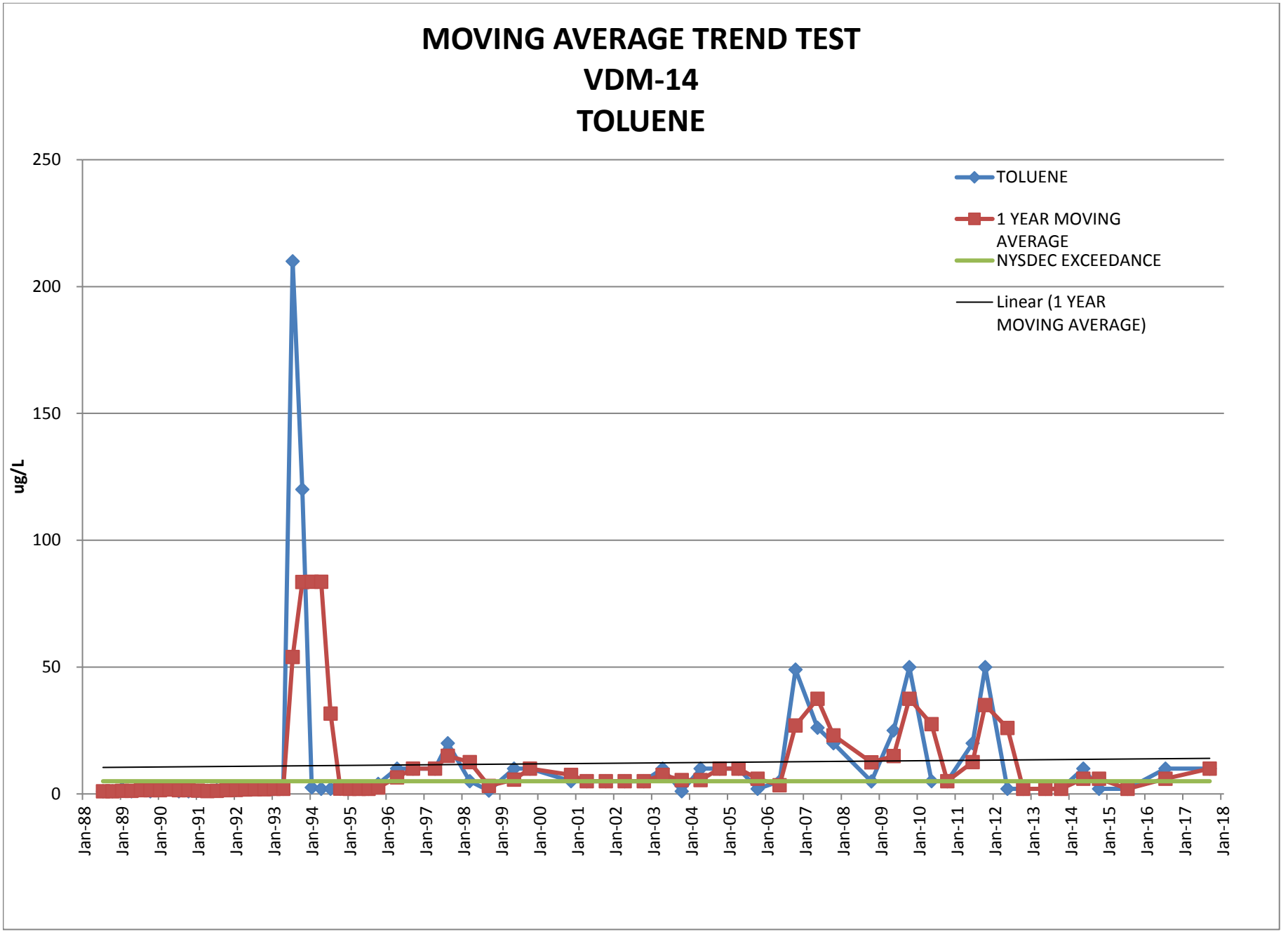
MOVING AVERAGE TREND TEST
VDM-11
TOLUENE



WELL VDM - 11 : TOLUENE

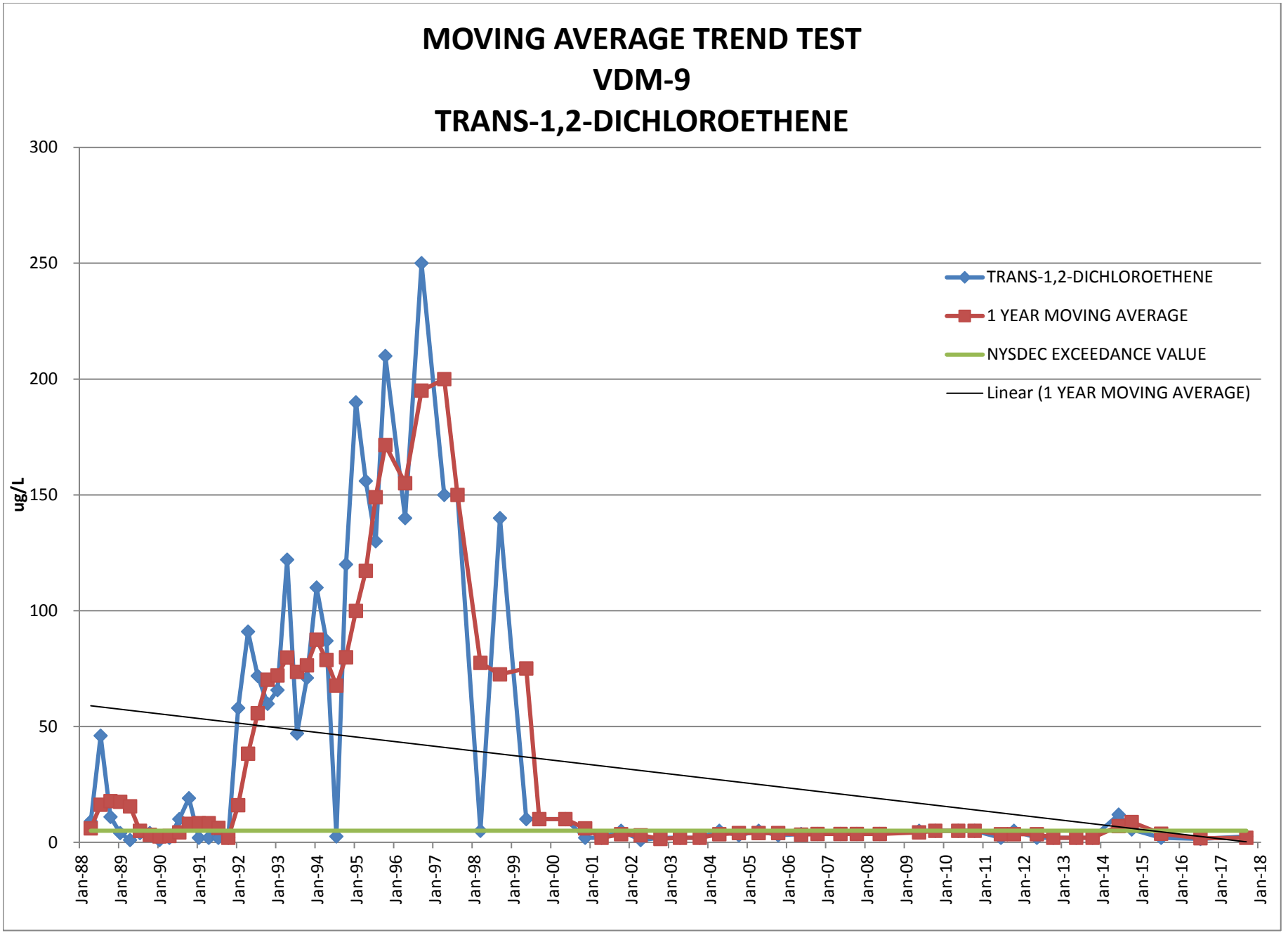
SAMPLING EVENT NO.	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
-	-	-	-	-	-	-				-
Jan-87		5	5	TOTAL STD	2.7073					1
Apr-87		5	5	TOTAL Sx	0.3618					2
Jul-87		5	5	TOTAL MEA	4.1491					3
Oct-87		5	5	TOTAL N	57					4
Jan-88		5	5	TOTAL df	56					5
Apr-88		5	5							6
Jul-88		5	5							7
Oct-88		5	5							8
Jan-89		5	5							9
Apr-89		5	5							10
Jul-89		5	5							11
Oct-89		5	5							12
Jan-90	1	5	5							13
Apr-90	1	5	5							14
Jul-90	1	5	5							15
Oct-90	1	5	5			1.00				16
Jan-91	2	5	5			1.25				17
Apr-91	2	5	5			1.50				18
Jul-91	2	5	5			1.75				19
Oct-91	2	5	5			2.00				20
Jan-92	1	5	5			1.75				21
Apr-92	1	5	5			1.50				22
Jul-92	1.25	5	5			1.31				23
Oct-92	1.25	5	5			1.13				24
Jan-93	1.5	5	5			1.25				25
Apr-93	2	5	5			1.50				26
Jul-93	1.5	5	5			1.56				27
Oct-93	2	5	5			1.75				28
Jan-94	2	5	5			1.88				29
Apr-94	2	5	5			1.88				30
Jul-94	5.6	5	5			2.90				31
Oct-94	2	5	5			2.90				32
Jan-95	2	5	5			2.90				33
Apr-95	2	5	5			2.90				34
Jul-95	2	5	5			2.00				35
Oct-95	2	5	2			2.00				36
Apr-96	10	5	10			6				37
Sep-96	10	5	10			10	10	9/17/1996	semiannual	38
Apr-97	10	5	10			10	10	4/3/1997	semiannual	39
Aug-97	10	5	10			10	10	8/27/1997	semiannual	40
Mar-98	5	5	5			7.5	7.5	3/24/1998	semiannual	41
Sep-98	5	5	5			5	5	9/22/1998	semiannual	42
May-99	10	5	10			7.5	7.5	5/11/1999	semiannual	43
Oct-99	10	5	10			10	10	10/5/1999	semiannual	44
May-00	10	5	10			10	10	5/16/2000	semiannual	45
Nov-00	5	5	5			7.5	7.5	11/28/2000	semiannual	46
Apr-01	5	5	5			5	5	4/4/2001	semiannual	47
Oct-01	5	5	5			5	5	10/18/2001	semiannual	48
Apr-02	5	5	5			5	5	4/18/2002	semiannual	49
Oct-02	5	5	5			5	5	10/3/2002	semiannual	50
Apr-03	5	5	5			5	5	4/25/2003	semiannual	51
Oct-03	5	5	5			5	5	10/3/2003	semiannual	52
Apr-04	5	5	5			5	5	4/1/2004	semiannual	53
Oct-04	5	5	5			5	5	10/19/2004	semiannual	54
Apr-05	5	5	5			5	5	4/22/2005	semiannual	55
Oct-05	5	5	5			5	5	10/7/2005	semiannual	56
May-06	4.9	5	5			4.95	4.95	5/11/2006	semiannual	57
Oct-06	4.9	5	5			4.9	4.9	10/18/2006	semiannual	58
May-07	4.9	5	5			4.9	4.9	5/22/2007	semiannual	59
Oct-07	4.9	5	5			4.9	4.9	10/25/2007	semiannual	60
May-08	4.9	5	5			4.9	4.9	5/13/2008	semiannual	61
Oct-08	4.9	5	5			4.9	4.9	10/23/2008	semiannual	62
May-09	5	5	5			4.95	4.95	5/12/2009	semiannual	63
Oct-09	5	5	5			5	5	10/29/2009	semiannual	64
May-10	5	5	5			5	5	5/20/2010	semiannual	65
Oct-10	5	5	5			5	5	10/18/2010	semiannual	66
Jun-11	2	5	2			3.5	3.5	6/2/2011	semiannual	67
Oct-11	5	5	5			3.5	3.5	10/12/2011	semiannual	68
May-12	2	5	2			3.5	3.5	5/18/2012	semiannual	69
Oct-12	2	5	2			2	2	10/11/2012	semiannual	70
May-13	2	5	2			2	2	5/17/2013	semiannual	71
Oct-13	2	5	2			2	2	10/11/2013	semiannual	72
May-14	10	5	10			6	6	5/5/2014	semiannual	73
Oct-14	2	5	2			6	6	10/6/2014	semiannual	74
Jul-15	2	5	2			2	2	7/9/2015	semiannual	75
Jul-16	1	5	1			1.5	1.5	7/20/2016	Annual	76
Sep-17	2.5	5	2.5			1.75	1.75	9/22/2017	Annual	77

MOVING AVERAGE TREND TEST
VDM-14
TOLUENE



WELL VDM - 14 : TOLUENE

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
---	-	-	-	-	-	-				-
Oct-85		5	5	TOTAL STI	30.60254					1
Jan-86		5	5	TOTAL Sx	3.855557					2
Apr-86		5	5	OTAL MEA	12.33125					3
Jul-86		5	5	TOTAL N	64					4
Oct-86		5	5	TOTAL df	63					5
Jan-87		5	5							6
Apr-87		5	5							7
Jul-87		5	5							8
Oct-87	1	5	5							9
Jan-88	1	5	5							10
Apr-88	1	5	5							11
Jul-88	1	5	5			1.00				12
Oct-88	1	5	5			1.00				13
Jan-89	2	5	5			1.25				14
Apr-89	1	5	5			1.25				15
Jul-89	2	5	5			1.50				16
Oct-89	1	5	5			1.50				17
Jan-90	2	5	5			1.50				18
Apr-90	2	5	5			1.75				19
Jul-90	1	5	5			1.50				20
Oct-90	1	5	5			1.50				21
Jan-91	1.25	5	5			1.31				22
Apr-91	1.25	5	5			1.13				23
Jul-91	1.5	5	5			1.25				24
Oct-91	2	5	5			1.50				25
Jan-92	1.5	5	5			1.56				26
Apr-92	2	5	5			1.75				27
Jul-92	2	5	5			1.88				28
Oct-92	2	5	5			1.88				29
Jan-93	2	5	5			2.00				30
Apr-93	2	5	5			2.00				31
Jul-93	210	5	5			54.00				32
Oct-93	120	5	5			83.50				33
Jan-94	2.5	5	5			83.63				34
Apr-94	2	5	5			83.63				35
Jul-94	2	5	5			31.63				36
Oct-94	2	5	5			2.13				37
Jan-95	2	5	5			2.00				38
Apr-95	2	5	5			2.00				39
Jul-95	2	5	5			2.00				40
Oct-95	4	5	4			2.50				41
Apr-96	10	5	10			6.5				42
Sep-96	10	5	10			10	10	9/17/1996	semiannual	43
Apr-97	10	5	10			10	10	4/3/1997	semiannual	44
Aug-97	20	5	100			15	15	8/27/1997	semiannual	45
Mar-98	5	5	5			12.5	12.5	3/24/1998	semiannual	46
Sep-98	1.3	5	5			3.15	3.15	9/22/1998	semiannual	47
May-99	10	5	10			5.65	5.65	5/11/1999	semiannual	48
Oct-99	10	5	10			10	10	10/5/1999	semiannual	49
Nov-00	5	5	5			7.5	7.5	11/28/2000	semiannual	50
Apr-01	5	5	5			5	5	4/4/2001	semiannual	51
Oct-01	5	5	5			5	5	10/18/2001	semiannual	52
Apr-02	5	5	5			5	5	4/18/2002	semiannual	53
Oct-02	5	5	25	**		5	5	10/3/2002	semiannual	54
Apr-03	10	5	10			7.5	7.5	4/25/2003	semiannual	55
Oct-03	1	5	5			5.5	5.5	10/3/2003	semiannual	56
Apr-04	10	5	10			5.5	5.5	4/1/2004	semiannual	57
Oct-04	10	5	10			10	10	10/19/2004	semiannual	58
Apr-05	10	5	10			10	10	4/22/2005	semiannual	59
Oct-05	2	5	10			6	6	10/7/2005	semiannual	60
May-06	4.9	5	10			3.45	3.45	5/11/2006	semiannual	61
Oct-06	49	5	10			26.95	26.95	10/18/2006	semiannual	62
May-07	26.1	5	10			37.55	37.55	5/22/2007	semiannual	63
Oct-07	20	5	4.9			23.05	23.05	10/25/2007	semiannual	64
Oct-08	4.9	5	4.9			12.45	12.45	10/23/2008	semiannual	65
May-09	25	5	25			14.95	14.95	5/12/2009	semiannual	66
Oct-09	50	5	25			37.5	37.5	10/29/2009	semiannual	67
May-10	5	5	5			27.5	27.5	5/20/2010	semiannual	68
Oct-10	5	5	5			5	5	10/18/2010	semiannual	69
Jun-11	20	5	20			12.5	12.5	6/2/2011	semiannual	70
Oct-11	50	5	50			35	35	10/12/2011	semiannual	71
May-12	2	5	2			26	26	5/18/2012	semiannual	72
Oct-12	2	5	2			2	2	10/11/2012	semiannual	73
May-13	2	5	2			2	2	5/17/2013	semiannual	74
Oct-13	2	5	2			2	2	10/11/2013	semiannual	75
May-14	10	5	10			6	6	5/5/2014	semiannual	76
Oct-14	2	5	2			6	6	10/6/2014	semiannual	77
Jul-15	2	5	2			2	2	7/9/2015	semiannual	78
Jul-16	10	5	1			6	6	7/20/2016	Annual	79
Sep-17	10	5	10			10	10	9/22/2017	Annual	80


MOVING AVERAGE TREND TEST
VDM-9
TRANS-1,2-DICHLOROETHENE
ug/L
300
250
200
150
100
50
0
Jan-88
Jan-89
Jan-90
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Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
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Jan-00
Jan-01
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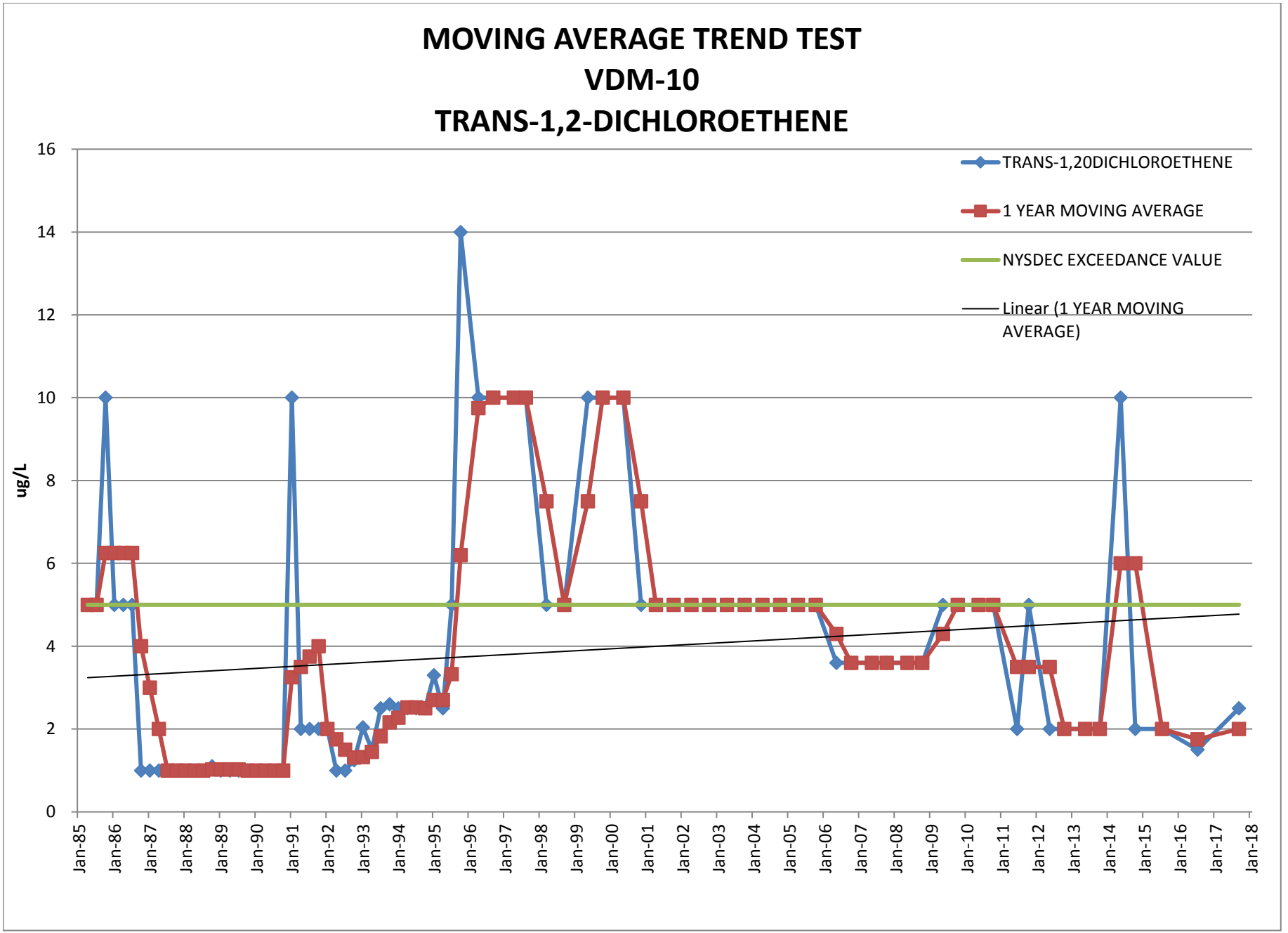
Jan-17
Jan-18
TRANS-1,2-DICHLOROETHENE
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)

WELL VDM - 9 : TRANS-1,2-DICHLOROETHENE

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
Jan-87		5	5	OTAL STD	61.15555					1
Apr-87		5	5	TOTAL Sx	7.644444					2
Jul-87	5	5	5	TAL MEAN	41.04308					3
Oct-87	5	5	5	TOTAL N	65					4
Jan-88	5	5	5	TOTAL df	64					5
Apr-88	9	5	5			6.00				6
Jul-88	46	5	5			16.25				7
Oct-88	11	5	5			17.75				8
Jan-89	4	5	5			17.50				9
Apr-89	1	5	5			15.50				10
Jul-89	4	5	5			5.00				11
Oct-89	4	5	5			3.25				12
Jan-90	1	5	5			2.50				13
Apr-90	2	5	5			2.75				14
Jul-90	10	5	5			4.25				15
Oct-90	19	5	5			8.00				16
Jan-91	2	5	5			8.25				17
Apr-91	2	5	5			8.25				18
Jul-91	2	5	5			6.25				19
Oct-91	2	5	5			2.00				20
Jan-92	58	5	5			16.00				21
Apr-92	91	5	5			38.25				22
Jul-92	71.8	5	5			55.70				23
Oct-92	59.8	5	5			70.15				24
Jan-93	65.7	5	5			72.08				25
Apr-93	122	5	5			79.83				26
Jul-93	47	5	5			73.63				27
Oct-93	71	5	5			76.43				28
Jan-94	110	5	5			87.50				29
Apr-94	87	5	5			78.75				30
Jul-94	2.5	5	5			67.63				31
Oct-94	120	5	5			79.88				32
Jan-95	190	5	5			99.88				33
Apr-95	156	5	5			117.13				34
Jul-95	130	5	5			149.00				35
Oct-95	210	5	5			171.50				36
Apr-96	140	5	5			155	155			37
Sep-96	250	5	10			195	195	09/17/96	semiannual	38
Apr-97	150	5	10			200	200	04/03/97	semiannual	39
Aug-97	150	5	10			150	150	08/27/97	semiannual	40
Mar-98	5	5	5			77.5	77.5	03/24/98	semiannual	41
Sep-98	140	5	5			72.5	72.5	09/22/98	semiannual	42
May-99	10	5	10			75	75	05/11/99	semiannual	43
Sep-99	10	5	10			10	10	09/29/99	semiannual	44
May-00	10	5	10			10	10	05/16/00	semiannual	45
Nov-00	2	5	5			6	6	11/28/00	semiannual	46
Apr-01	2	5	5			2	2	04/04/01	semiannual	47
Oct-01	5	5	5			3.5	3.5	10/18/01	semiannual	48
Apr-02	1	5	5			3	3	04/18/02	semiannual	49
Oct-02	2	5	5			1.5	1.5	10/03/02	semiannual	50
Apr-03	2	5	5			2	2	04/25/03	semiannual	51
Oct-03	2	5	5			2	2	10/03/03	semiannual	52
Apr-04	5	5	5			3.5	3.5	04/01/04	semiannual	53
Oct-04	3	5	5			4	4	10/19/04	semiannual	54
Apr-05	5	5	5			4	4	04/22/05	semiannual	55
Oct-05	3	5	5			4	4	10/05/07	semiannual	56
May-06	3.6	5	5			3.3	3.3	05/11/06	semiannual	57
Oct-06	3.6	5	5			3.6	3.6	10/18/06	semiannual	58
May-07	3.6	5	5			3.6	3.6	05/22/07	semiannual	59
Oct-07	3.6	5	5			3.6	3.6	10/25/07	semiannual	60
May-08	3.6	5	5			3.6	3.6	05/13/08	semiannual	61
May-09	5	5	5			4.3	4.3	05/12/09	semiannual	63
Oct-09	5	5	5			5	5	10/29/09	semiannual	64
May-10	5	5	5			5	5	05/20/10	semiannual	65
Oct-10	5	5	5			5	5	10/18/10	semiannual	66
Jun-11	2	5	2			3.5	3.5	06/02/11	semiannual	67
Oct-11	5	5	5			3.5	3.5	10/12/11	semiannual	68
May-12	2	5	2			3.5	3.5	05/18/12	semiannual	69
Oct-12	2	5	2			2	2	10/11/12	semiannual	70
May-13	2	5	2			2	2	05/17/13	semiannual	71
Oct-13	2	5	2			2	2	10/11/13	semiannual	72
Jun-14	12	5	2			7	7	05/05/14	semiannual	73
Oct-14	5.5	5	2			8.75	8.75	10/06/14	semiannual	74
Jul-15	2	5	2			3.75	3.75	7/16/2015	semiannual	75
Jul-16	1.5	5	1.5			1.75	1.75	7/20/2016	Annual	76
Sep-17	2.5	5	2.5			2	2	9/22/2017	Annual	77


MOVING AVERAGE TREND TEST
VDM-10
TRANS-1,2-DICHLOROETHENE
ug/L
16
14
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Jan-85
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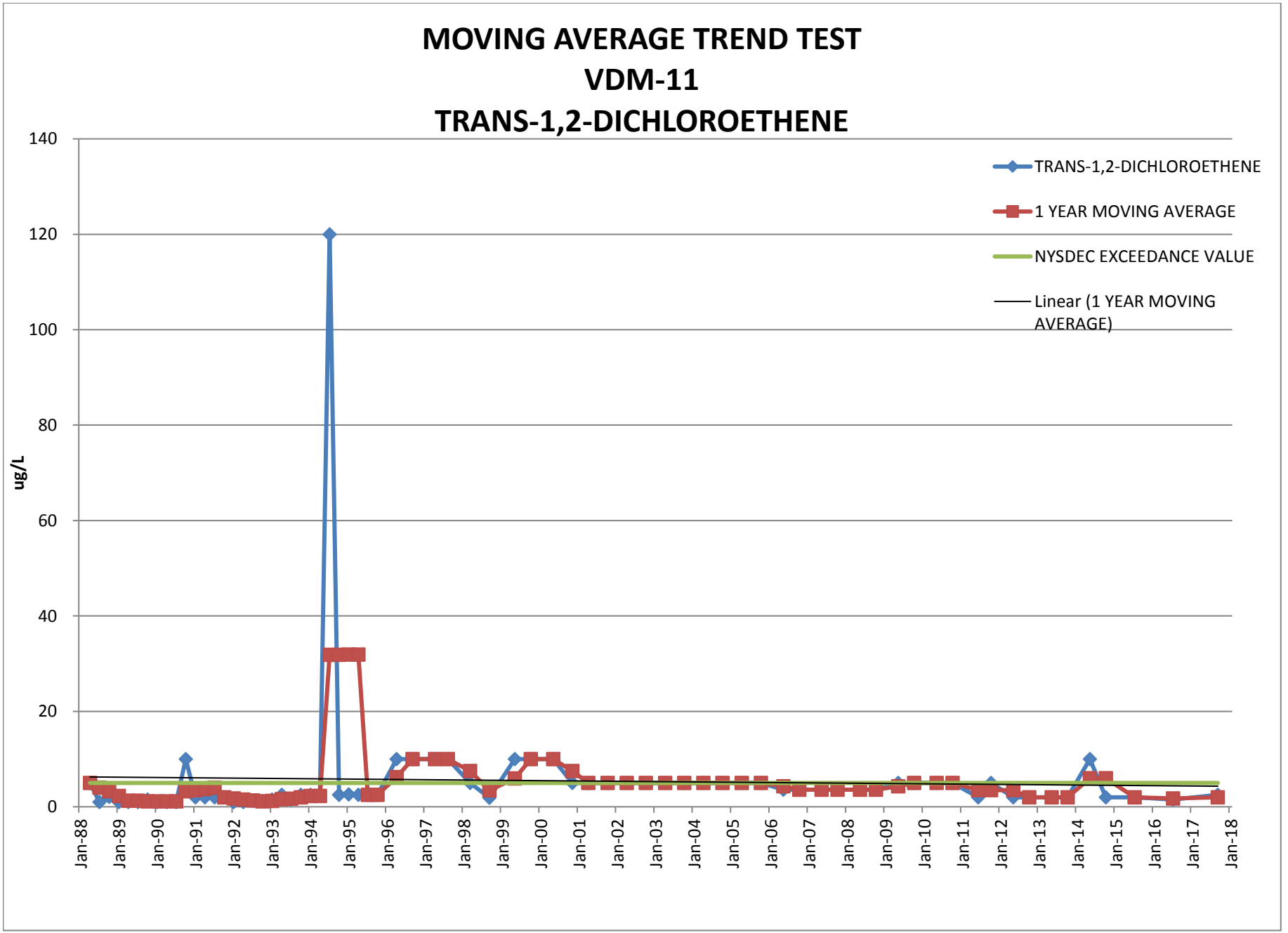
Jan-18
TRANS-1,20DICHLOROETHENE
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)

WELL VDM - 10 : TRANS-1,2-DICHLOROETHENE

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETEC LIMIT	STATISTICS		MOVING AVG				EVENT NO.
Jul-84		5	5	TOTAL STD	2.977876					1
Oct-84		5	5	TOTAL Sx	0.3438555					2
Jan-85	5	5	5	TAL MEAN	3.8987059					3
Apr-85	5	5	5	TOTAL N	76	5.00				4
Jul-85	5	5	5	TOTAL df	75	5.00				5
Oct-85	10	5	5			6.25				6
Jan-86	5	5	5			6.25				7
Apr-86	5	5	5			6.25				8
Jul-86	5	5	5			6.25				9
Oct-86	1	5	5			4.00				10
Jan-87	1	5	5			3.00				11
Apr-87	1	5	5			2.00				12
Jul-87	1	5	5			1.00				13
Oct-87	1	5	5			1.00				14
Jan-88	1	5	5			1.00				15
Apr-88	1	5	5			1.00				16
Jul-88	1	5	5			1.00				17
Oct-88	1.1	5	5			1.03				18
Jan-89	1	5	5			1.03				19
Apr-89	1	5	5			1.03				20
Jul-89	1	5	5			1.03				21
Oct-89	1	5	5			1.00				22
Jan-90	1	5	5			1.00				23
Apr-90	1	5	5			1.00				24
Jul-90	1	5	5			1.00				25
Oct-90	1	5	5			1.00				26
Jan-91	10	5	5			3.25				27
Apr-91	2	5	5			3.50				28
Jul-91	2	5	5			3.75				29
Oct-91	2	5	5			4.00				30
Jan-92	2	5	5			2.00				31
Apr-92	1	5	5			1.75				32
Jul-92	1	5	5			1.50				33
Oct-92	1.25	5	5			1.31				34
Jan-93	2.04	5	5			1.32				35
Apr-93	1.5	5	5			1.45				36
Jul-93	2.5	5	5			1.82				37
Oct-93	2.6	5	5			2.16				38
Jan-94	2.5	5	5			2.28				39
Apr-94	2.5	5	5			2.53				40
Jul-94	2.5	5	5			2.53				41
Oct-94	2.5	5	5			2.50				42
Jan-95	3.3	5	5			2.70				43
Apr-95	2.5	5	5			2.70				44
Jul-95	5	5	5			3.33				45
Oct-95	14	5	1			6.20				46
Apr-96	10	5	10			9.75				47
Sep-96	10	5	10			10	10	09/17/96	semiannual	48
Apr-97	10	5	10			10	10	04/03/97	semiannual	49
Aug-97	10	5	10			10	10	08/27/97	semiannual	50
Mar-98	5	5	5			7.5	7.5	03/24/98	semiannual	51
Sep-98	5	5	5			5	5	09/22/98	semiannual	52
May-99	10	5	10			7.5	7.5	05/11/99	semiannual	53
Oct-99	10	5	10			10	10	10/05/99	semiannual	54
May-00	10	5	10			10	10	05/16/00	semiannual	55
Nov-00	5	5	5			7.5	7.5	11/28/00	semiannual	56
Apr-01	5	5	5			5	5	04/04/01	semiannual	57
Oct-01	5	5	5			5	5	10/18/01	semiannual	58
Apr-02	5	5	5			5	5	04/18/02	semiannual	59
Oct-02	5	5	5			5	5	10/03/02	semiannual	60
Apr-03	5	5	5			5	5	04/25/03	semiannual	61
Oct-03	5	5	5			5	5	10/03/03	semiannual	62
Apr-04	5	5	5			5	5	04/01/04	semiannual	63
Oct-04	5	5	5			5	5	10/19/04	semiannual	64
Apr-05	5	5	5			5	5	04/22/05	semiannual	65
Oct-05	5	5	5			5	5	10/07/05	semiannual	66
May-06	3.6	5	5			4.3	4.3	05/11/06	semiannual	67
Oct-06	3.6	5	5			3.6	3.6	10/18/06	semiannual	68
May-07	3.6	5	5			3.6	3.6	05/22/07	semiannual	69
Oct-07	3.6	5	5			3.6	3.6	10/25/07	semiannual	70
May-08	3.6	5	5			3.6	3.6	05/13/08	semiannual	71
Oct-08	3.6	5	5			3.6	3.6	10/23/08	semiannual	72
May-09	5	5	5			4.3	4.3	05/12/09	semiannual	73
Oct-09	5	5	5			5	5	10/29/09	semiannual	74
May-10	5	5	5			5	5	05/01/10	semiannual	75
Oct-10	5	5	5			5	5	10/01/10	semiannual	76
Jun-11	2	5	2			3.5	3.5	06/02/11	semiannual	77
Oct-11	5	5	5			3.5	3.5	10/12/11	semiannual	78
May-12	2	5	2			3.5	3.5	05/18/12	semiannual	79
Oct-12	2	5	2			2	2	10/11/12	semiannual	80
May-13	2	5	2			2	2	05/17/13	semiannual	81
Oct-13	2	5	2			2	2	10/11/13	semiannual	82
May-14	10	5	10			6	6	05/05/14	semiannual	83
Oct-14	2	5	2			6	6	10/06/14	semiannual	84
Jul-15	2	5	2			2	2	07/09/15	semiannual	85
Jul-16	1.5	5	1.5			1.75	1.75	07/20/16	Annual	86
Sep-17	2.5	5	2.5			2	2	09/22/17	Annual	87


MOVING AVERAGE TREND TEST
VDM-11
TRANS-1,2-DICHLOROETHENE
ug/L
140
120
100
80
60
40
20
0
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
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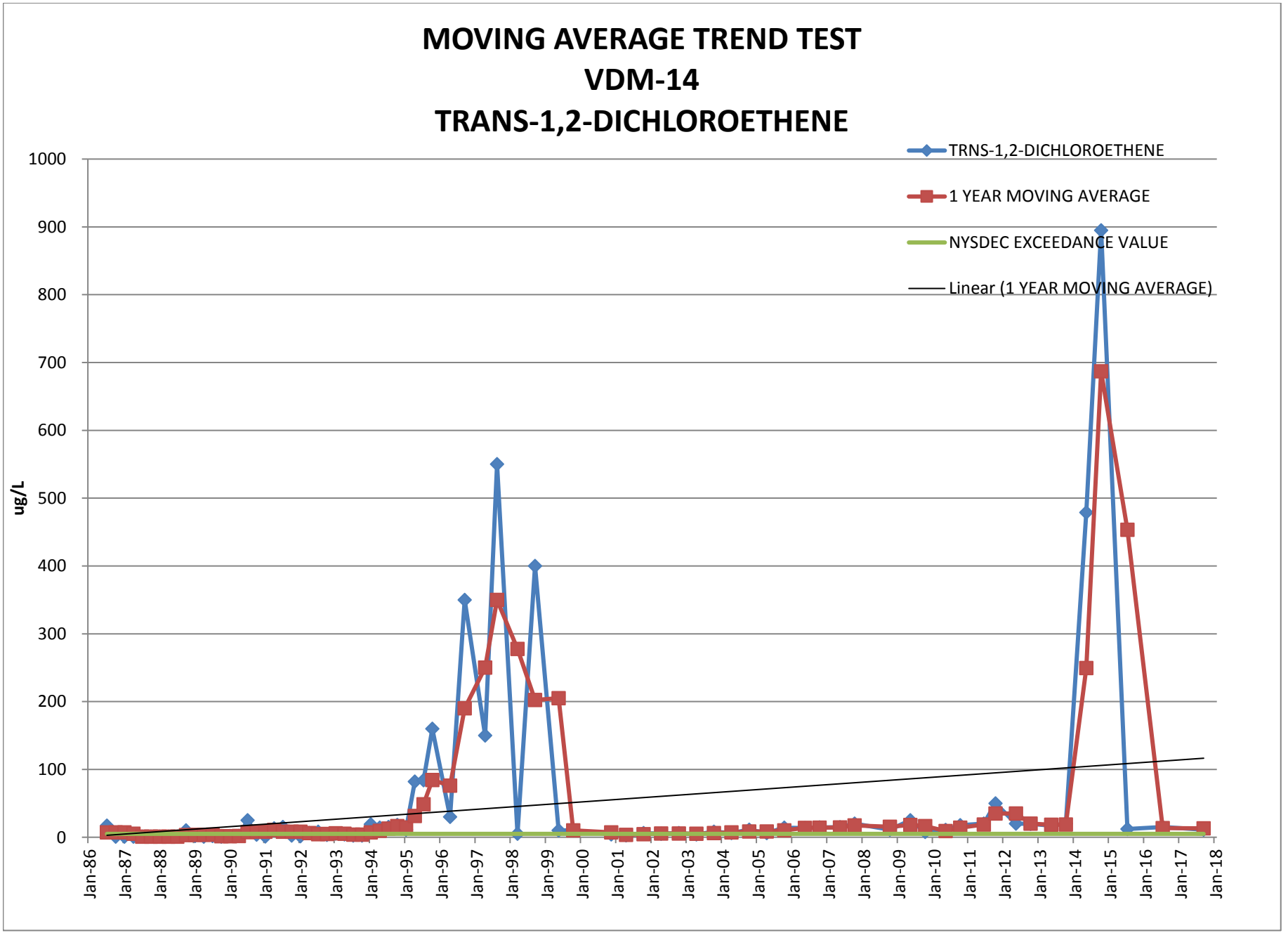
Jan-14
Jan-15
Jan-16
Jan-17
Jan-18
TRANS-1,2-DICHLOROETHENE
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)

WELL VDM - 11 : TRANS-1,2-DICHLOROETHENE

SAMPLING EVENT NO.	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
-	-	-	-	-	-	-				-
Jan-87		5	5	TOTAL STD	14.3212					1
Apr-87		5	5	TOTAL Sx	1.7628					2
Jul-87	5	5	5	TOTAL MEAI	5.6896					3
Oct-87	5	5	5	TOTAL N	67					4
Jan-88	5	5	5	TOTAL df	66					5
Apr-88	5	5	5			5.00				6
Jul-88	1	5	5			4.00				7
Oct-88	2.1	5	5			3.28				8
Jan-89	1	5	5			2.28				9
Apr-89	1	5	5			1.28				10
Jul-89	1	5	5			1.28				11
Oct-89	1.5	5	5			1.13				12
Jan-90	1	5	5			1.13				13
Apr-90	1	5	5			1.13				14
Jul-90	1	5	5			1.13				15
Oct-90	10	5	5			3.25				16
Jan-91	2	5	5			3.50				17
Apr-91	2	5	5			3.75				18
Jul-91	2	5	5			4.00				19
Oct-91	2	5	5			2.00				20
Jan-92	1	5	5			1.75				21
Apr-92	1	5	5			1.50				22
Jul-92	1.25	5	5			1.31				23
Oct-92	1.25	5	5			1.13				24
Jan-93	1.5	5	5			1.25				25
Apr-93	2.5	5	5			1.63				26
Jul-93	1.5	5	5			1.69				27
Oct-93	2.5	5	5			2.00				28
Jan-94	2.5	5	5			2.25				29
Apr-94	2.5	5	5			2.25				30
Jul-94	120	5	5			31.88				31
Oct-94	2.5	5	5			31.88				32
Jan-95	2.6	5	5			31.90				33
Apr-95	2.5	5	5			31.90				34
Jul-95	2.5	5	5			2.53				35
Oct-95	2.5	5	2.5			2.53				36
Apr-96	10	5	10			6.25				37
Sep-96	10	5	10			10	10	9/17/1996	semiannual	38
Apr-97	10	5	10			10	10	4/3/1997	semiannual	39
Aug-97	10	5	10			10	10	8/27/1997	semiannual	40
Mar-98	5	5	5			7.5	7.5	3/24/1998	semiannual	41
Sep-98	1.9	5	5			3.45	3.45	9/22/1998	semiannual	42
May-99	10	5	10			5.95	5.95	5/11/1999	semiannual	43
Oct-99	10	5	10			10	10	10/5/1999	semiannual	44
May-00	10	5	10			10	10	5/16/2000	semiannual	45
Nov-00	5	5	5			7.5	7.5	11/28/2000	semiannual	46
Apr-01	5	5	5			5	5	4/4/2001	semiannual	47
Oct-01	5	5	5			5	5	10/18/2001	semiannual	48
Apr-02	5	5	5			5	5	4/18/2002	semiannual	49
Oct-02	5	5	5			5	5	10/3/2002	semiannual	50
Apr-03	5	5	5			5	5	4/25/2003	semiannual	51
Oct-03	5	5	5			5	5	10/3/2003	semiannual	52
Apr-04	5	5	5			5	5	4/1/2004	semiannual	53
Oct-04	5	5	5			5	5	10/19/2004	semiannual	54
Apr-05	5	5	5			5	5	4/22/2005	semiannual	55
Oct-05	5	5	5			5	5	10/7/2005	semiannual	56
May-06	3.6	5	5			4.3	4.3	5/11/2006	semiannual	57
Oct-06	3.6	5	5			3.6	3.6	10/18/2006	semiannual	58
May-07	3.6	5	5			3.6	3.6	5/22/2007	semiannual	59
Oct-07	3.6	5	5			3.6	3.6	10/25/2007	semiannual	60
May-08	3.6	5	5			3.6	3.6	5/13/2008	semiannual	61
Oct-08	3.6	5	5			3.6	3.6	10/23/2008	semiannual	62
May-09	5	5	5			4.3	4.3	5/12/2009	semiannual	63
Oct-09	5	5	5			5	5	10/29/2009	semiannual	64
May-10	5	5	5			5	5	5/20/2010	semiannual	65
Oct-10	5	5	5			5	5	10/18/2010	semiannual	66
Jun-11	2	5	2			3.5	3.5	6/2/2011	semiannual	67
Oct-11	5	5	5			3.5	3.5	10/12/2011	semiannual	68
May-12	2	5	2			3.5	3.5	5/18/2012	semiannual	69
Oct-12	2	5	2			2	2	10/11/2012	semiannual	70
May-13	2	5	2			2	2	5/17/2013	semiannual	71
Oct-13	2	5	2			2	2	10/11/2013	semiannual	72
May-14	10	5	10			6	6	5/5/2014	semiannual	73
Oct-14	2	5	2			6	6	10/6/2014	semiannual	74
Jul-15	2	5	2			2	2	7/9/2015	semiannual	75
Jul-16	1.5	5	1.5			1.75	1.75	7/20/2016	Annual	76
Sep-17	2.5	5	2.5			2	2	9/22/2017	Annual	77


MOVING AVERAGE TREND TEST
VDM-14
TRANS-1,2-DICHLOROETHENE
TRNS-1,2-DICHLOROETHENE
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)
ug/l
1000
900
800
700
600
500
400
300
200
100
0
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
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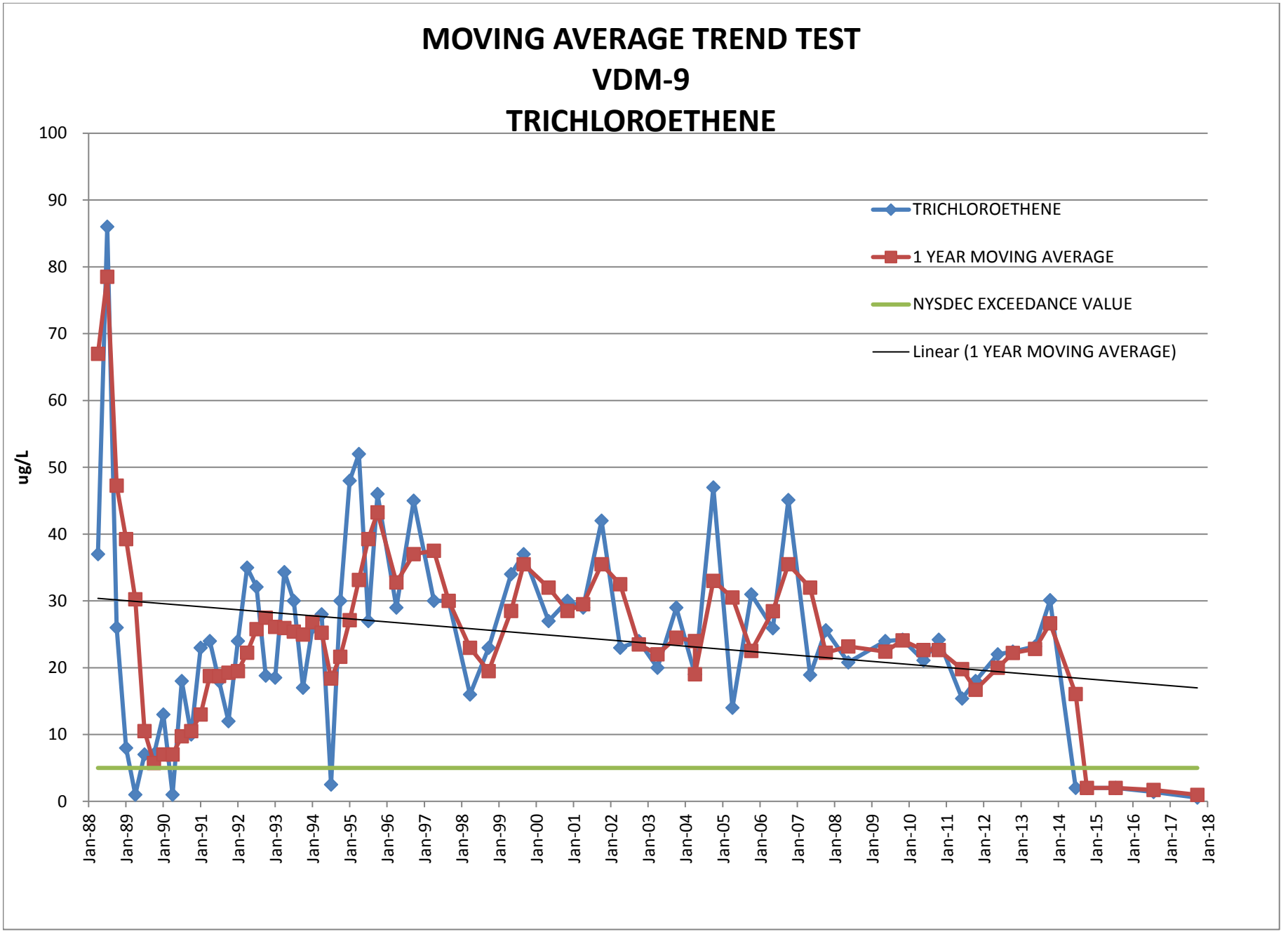
Jan-16
Jan-17
Jan-18

WELL VDM - 14 : TRANS-1,2-DICHLOROETHENE

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
----------	-	-	-	-	-	-				-
Oct-85	1	5	5	TOTAL STI	89.74927					1
Jan-86	1	5	5	TOTAL Sx	10.65128					2
Apr-86	9	5	5	OTAL MEA	32.73333					3
Jul-86	17	5	5	TOTAL N	72	7.00				4
Oct-86	1	5	5	TOTAL df	71	7.00				5
Jan-87	1	5	5			7.00				6
Apr-87	1	5	5			5.00				7
Jul-87	1	5	5			1.00				8
Oct-87	1	5	5			1.00				9
Jan-88	1	5	5			1.00				10
Apr-88	1	5	5			1.00				11
Jul-88	1	5	5			1.00				12
Oct-88	10	5	5			3.25				13
Jan-89	2	5	5			3.50				14
Apr-89	1	5	5			3.50				15
Jul-89	2	5	5			3.75				16
Oct-89	1	5	5			1.50				17
Jan-90	2	5	5			1.50				18
Apr-90	2	5	5			1.75				19
Jul-90	25	5	5			7.50				20
Oct-90	3.7	5	5			8.18				21
Jan-91	1.25	5	5			7.99				22
Apr-91	13.1	5	5			10.76				23
Jul-91	15.1	5	5			8.29				24
Oct-91	2.5	5	5			7.99				25
Jan-92	1.5	5	5			8.05				26
Apr-92	6	5	5			6.28				27
Jul-92	8	5	5			4.50				28
Oct-92	3.5	5	5			4.75				29
Jan-93	5.4	5	5			5.73				30
Apr-93	4.3	5	5			5.30				31
Jul-93	2.5	5	5			3.93				32
Oct-93	2.5	5	5			3.68				33
Jan-94	19	5	5			7.08				34
Apr-94	14	5	5			9.50				35
Jul-94	15	5	5			12.63				36
Oct-94	18	5	5			16.50				37
Jan-95	11	5	5			14.50				38
Apr-95	82	5	5			31.50				39
Jul-95	84	5	5			48.75				40
Oct-95	160	5	5			84.25				41
Apr-96	30	5	5			76				42
Sep-96	350	5	10			190	190	9/17/1996	semiannual	43
Apr-97	150	5	10			250	250	4/3/1997	semiannual	44
Aug-97	550	5	100			350	350	8/27/1997	semiannual	45
Mar-98	5	5	5			277.5	277.5	3/24/1998	semiannual	46
Sep-98	400	5	5			202.5	202.5	9/22/1998	semiannual	47
May-99	10	5	10			205	205	5/11/1999	semiannual	48
Oct-99	10	5	10			10	10	10/5/1999	semiannual	49
Nov-00	4	5	5			7	7	11/28/2000	semiannual	50
Apr-01	3	5	5			3.5	3.5	4/4/2001	semiannual	51
Oct-01	6	5	5			4.5	4.5	10/18/2001	semiannual	52
Apr-02	5	5	5			5.5	5.5	4/18/2002	semiannual	53
Oct-02	6	5	25			5.5	5.5	10/3/2002	semiannual	54
Apr-03	4	5	10			5	5	4/25/2003	semiannual	55
Oct-03	8	5	5			6	6	10/3/2003	semiannual	56
Apr-04	6	5	10			7	7	4/1/2004	semiannual	57
Oct-04	11	5	10			8.5	8.5	10/19/2004	semiannual	58
Apr-05	6	5	10			8.5	8.5	4/22/2005	semiannual	59
Oct-05	14	5	10			10	10	10/7/2005	semiannual	60
May-06	13.6	5	10			13.8	13.8	5/11/2006	semiannual	61
Oct-06	14.4	5	10			14	14	10/18/2006	semiannual	62
May-07	14.8	5	10			14.6	14.6	5/22/2007	semiannual	63
Oct-07	20	5	10			17.4	17.4	10/25/2007	semiannual	64
Oct-08	11.2	5	10			15.6	15.6	10/23/2008	semiannual	65
May-09	25	5	25			18.1	18.1	5/12/2009	semiannual	66
Oct-09	7.85	5	25			16.425	16.425	10/29/2009	semiannual	67
May-10	10.7	5	25			9.275	9.275	5/20/2010	semiannual	68
Oct-10	17.7	5	25			14.2	14.2	10/18/2010	semiannual	69
Jun-11	20	5	20			18.85	18.85	6/2/2011	semiannual	70
Oct-11	50	5	50			35	35	10/12/2011	semiannual	71
May-12	20.2	5	2			35.1	35.1	5/18/2012	semiannual	72
Oct-12	19.8	5	2			20	20	10/11/2012	semiannual	73
May-13	17.2	5	2			18.5	18.5	5/17/2013	semiannual	74
Oct-13	20	5	2			18.6	18.6	10/11/2013	semiannual	75
May-14	479	5	10			249.5	249.5	5/5/2014	semiannual	76
Oct-14	895	5	2			687	687	10/6/2014	semiannual	77
Jul-15	12	5	2			453.5	453.5	7/9/2015	semiannual	78
Jul-16	15	5	1.5			13.5	13.5	7/20/2016	Annual	79
Sep-17	11	5	10			13	13	9/22/2017	Annual	80


MOVING AVERAGE TREND TEST
VDM-9
TRICHLOROETHENE
ug/L
100
90
80
70
60
50
40
30
20
10
0
Jan-88
Jan-89
Jan-90
Jan-91
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Jan-93
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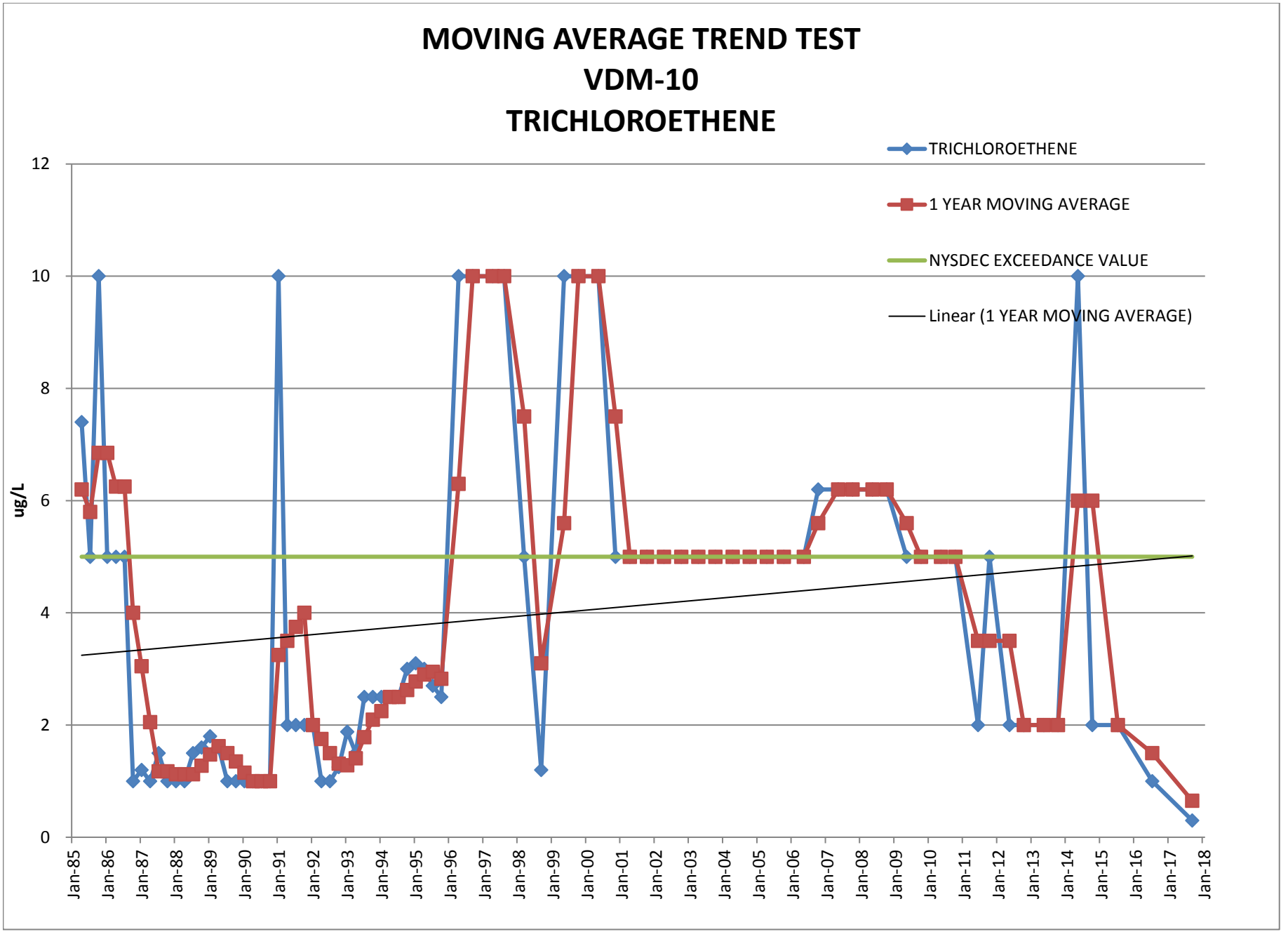
TRICHLOROETHENE
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)

WELL VDM - 9 : TRICHLOROETHENE

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
Jan-87		5	5	OTAL STD	20.39044					1
Apr-87		5	5	TOTAL Sx	2.529123					2
Jul-87	40	5	5	TAL MEAN	28.06667					3
Oct-87	151	5	5	TOTAL N	66					4
Jan-88	40	5	5	TOTAL df	65					5
Apr-88	37	5	5			67.00				6
Jul-88	86	5	5			78.50				7
Oct-88	26	5	5			47.25				8
Jan-89	8	5	5			39.25				9
Apr-89	1	5	5			30.25				10
Jul-89	7	5	5			10.50				11
Oct-89	7	5	5			5.75				12
Jan-90	13	5	5			7.00				13
Apr-90	1	5	5			7.00				14
Jul-90	18	5	5			9.75				15
Oct-90	10	5	5			10.50				16
Jan-91	23	5	5			13.00				17
Apr-91	24	5	5			18.75				18
Jul-91	18	5	5			18.75				19
Oct-91	12	5	5			19.25				20
Jan-92	24	5	5			19.50				21
Apr-92	35	5	5			22.25				22
Jul-92	32.1	5	5			25.78				23
Oct-92	18.8	5	5			27.48				24
Jan-93	18.5	5	5			26.10				25
Apr-93	34.3	5	5			25.93				26
Jul-93	30	5	5			25.40				27
Oct-93	17	5	5			24.95				28
Jan-94	26	5	5			26.83				29
Apr-94	28	5	5			25.25				30
Jul-94	2.5	5	5			18.38				31
Oct-94	30	5	5			21.63				32
Jan-95	48	5	5			27.13				33
Apr-95	52	5	5			33.13				34
Jul-95	27	5	5			39.25				35
Oct-95	46	5	5			43.25				36
Apr-96	29	5	5			32.75	32.75	04/01/96	semiannual	37
Sep-96	45	5	10			37	37	09/17/96	semiannual	38
Apr-97	30	5	10			37.5	37.5	04/03/97	semiannual	39
Aug-97	30	5	10			30	30	08/27/97	semiannual	40
Mar-98	16	5	5			23	23	03/24/98	semiannual	41
Sep-98	23	5	5			19.5	19.5	09/22/98	semiannual	42
May-99	34	5	10			28.5	28.5	05/11/99	semiannual	43
Sep-99	37	5	10			35.5	35.5	09/29/99	semiannual	44
May-00	27	5	10			32	32	05/16/00	semiannual	45
Nov-00	30	5	5			28.5	28.5	11/28/00	semiannual	46
Apr-01	29	5	5			29.5	29.5	04/04/01	semiannual	47
Oct-01	42	5	5			35.5	35.5	10/18/01	semiannual	48
Apr-02	23	5	5			32.5	32.5	04/18/02	semiannual	49
Oct-02	24	5	5			23.5	23.5	10/03/02	semiannual	50
Apr-03	20	5	5			22	22	04/25/03	semiannual	51
Oct-03	29	5	5			24.5	24.5	10/03/03	semiannual	52
Apr-04	19	5	5			24	24	04/01/04	semiannual	53
Apr-04	19	5	5			19	19	04/01/04	semiannual	53
Oct-04	47	5	5			33	33	10/19/04	semiannual	54
Apr-05	14	5	5			30.5	30.5	04/22/05	semiannual	55
Oct-05	31	5	5			22.5	22.5	10/07/05	semiannual	56
May-06	25.9	5	5			28.45	28.45	05/11/06	semiannual	57
Oct-06	45.1	5	5			35.5	35.5	10/18/06	semiannual	58
May-07	18.9	5	5			32	32	05/22/07	semiannual	59
Oct-07	25.6	5	5			22.25	22.25	10/25/07	semiannual	60
May-08	20.8	5	5			23.2	23.2	05/13/08	semiannual	61
May-09	24	5	5			22.4	22.4	05/12/09	semiannual	63
Oct-09	24.2	5	5			24.1	24.1	10/29/09	semiannual	64
May-10	21.1	5	5			22.65	22.65	05/20/10	semiannual	65
Oct-10	24.2	5	5			22.65	22.65	10/18/10	semiannual	66
Jun-11	15.4	5	5			19.8	19.8	06/02/11	semiannual	67
Oct-11	18	5	5			16.7	16.7	10/12/11	semiannual	68
May-12	22	5	2			20	20	05/18/12	semiannual	69
Oct-12	22.4	5	2			22.2	22.2	10/11/12	semiannual	70
May-13	23.2	5	2			22.8	22.8	05/17/13	semiannual	71
Oct-13	30.1	5	2			26.65	26.65	10/11/13	semiannual	72
Jun-14	2	5	2			16.05	16.05	06/20/14	semiannual	73
Oct-14	2	5	2			2	2	10/06/14	semiannual	74
Jul-15	2	5	2			2	2	07/16/15	semiannual	75
Jul-16	1.4	5	1			1.7	1.7	07/20/16	Annual	76
Sep-17	0.55	5	0.5			0.975	0.975	09/22/17	Annual	77


MOVING AVERAGE TREND TEST
VDM-10
TRICHLOROETHENE
TRICHLOROETHENE
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)
ug/L
12
10
8
6
4
2
0
Jan-85
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
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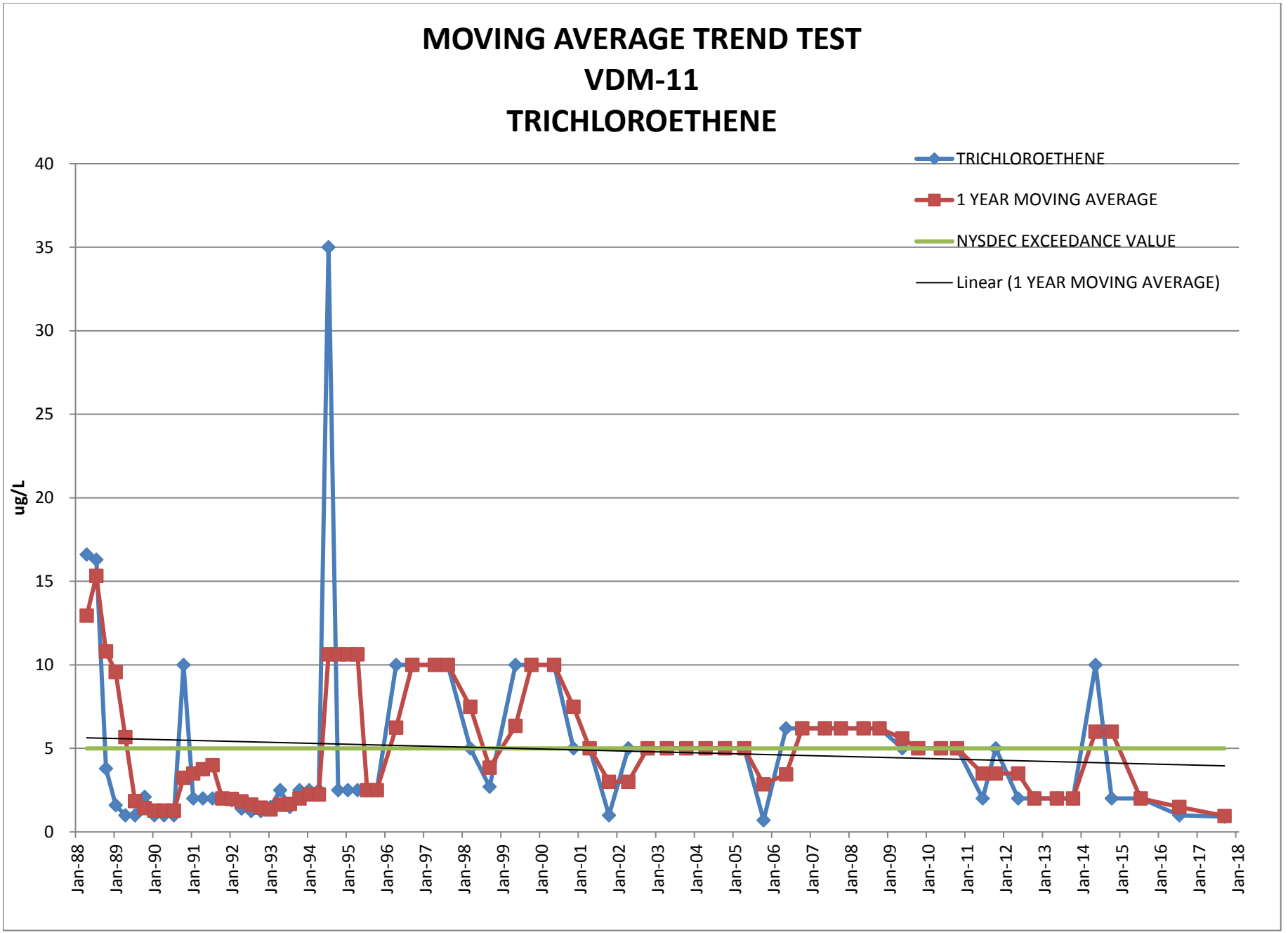
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
Jan-18

WELL VDM - 10 : TRICHLOROETHENE

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETEC LIMIT	STATISTICS		MOVING AVERAGE				SAMPLING EVENT NO.
-	-	-	-	----------	-	-				-
Jul-84		5	5	TOTAL STD	2.8106271					1
Oct-84		5	5	TOTAL Sx	0.3245433					2
Jan-85	5	5	5	TOTAL MEA	4.0556579					3
Apr-85	7.4	5	5	TOTAL N	76	6.20				4
Jul-85	5	5	5	TOTAL df	75	5.80				5
Oct-85	10	5	5			6.85				6
Jan-86	5	5	5			6.85				7
Apr-86	5	5	5			6.25				8
Jul-86	5	5	5			6.25				9
Oct-86	1	5	5			4.00				10
Jan-87	1.2	5	5			3.05				11
Apr-87	1	5	5			2.05				12
Jul-87	1.5	5	5			1.18				13
Oct-87	1	5	5			1.18				14
Jan-88	1	5	5			1.13				15
Apr-88	1	5	5			1.13				16
Jul-88	1.5	5	5			1.13				17
Oct-88	1.6	5	5			1.28				18
Jan-89	1.8	5	5			1.48				19
Apr-89	1.6	5	5			1.63				20
Jul-89	1	5	5			1.50				21
Oct-89	1	5	5			1.35				22
Jan-90	1	5	5			1.15				23
Apr-90	1	5	5			1.00				24
Jul-90	1	5	5			1.00				25
Oct-90	1	5	5			1.00				26
Jan-91	10	5	5			3.25				27
Apr-91	2	5	5			3.50				28
Jul-91	2	5	5			3.75				29
Oct-91	2	5	5			4.00				30
Jan-92	2	5	5			2.00				31
Apr-92	1	5	5			1.75				32
Jul-92	1	5	5			1.50				33
Oct-92	1.25	5	5			1.31				34
Jan-93	1.88	5	5			1.28				35
Apr-93	1.5	5	5			1.41				36
Jul-93	2.5	5	5			1.78				37
Oct-93	2.5	5	5			2.10				38
Jan-94	2.5	5	5			2.25				39
Apr-94	2.5	5	5			2.50				40
Jul-94	2.5	5	5			2.50				41
Oct-94	3	5	5			2.63				42
Jan-95	3.1	5	5			2.78				43
Apr-95	3	5	5			2.90				44
Jul-95	2.7	5	5			2.95				45
Oct-95	2.5	5	2.5			2.83				46
Apr-96	10	5	10			6.30				47
Sep-96	10	5	10			10	10	09/17/96	semiannual	48
Apr-97	10	5	10			10	10	04/03/97	semiannual	49
Aug-97	10	5	10			10	10	08/27/97	semiannual	50
Mar-98	5	5	5			7.5	7.5	03/24/98	semiannual	51
Sep-98	1.2	5	5			3.1	3.1	09/22/98	semiannual	52
May-99	10	5	10			5.6	5.6	05/11/99	semiannual	53
Oct-99	10	5	10			10	10	10/05/99	semiannual	54
May-00	10	5	10			10	10	05/16/00	semiannual	55
Nov-00	5	5	5			7.5	7.5	11/28/00	semiannual	56
Apr-01	5	5	5			5	5	04/04/01	semiannual	57
Oct-01	5	5	5			5	5	10/18/01	semiannual	58
Apr-02	5	5	5			5	5	04/18/02	semiannual	59
Oct-02	5	5	5			5	5	10/03/02	semiannual	60
Apr-03	5	5	5			5	5	04/25/03	semiannual	61
Oct-03	5	5	5			5	5	10/03/03	semiannual	62
Apr-04	5	5	5			5	5	04/01/04	semiannual	63
Oct-04	5	5	5			5	5	10/19/04	semiannual	64
Apr-05	5	5	5			5	5	04/22/05	semiannual	65
Oct-05	5	5	5			5	5	10/07/05	semiannual	66
May-06	5	5	5			5	5	05/11/06	semiannual	67
Oct-06	6.2	5	5			5.6	5.6	10/18/06	semiannual	68
May-07	6.2	5	5			6.2	6.2	05/22/07	semiannual	69
Oct-07	6.2	5	5			6.2	6.2	10/25/07	semiannual	70
May-08	6.2	5	5			6.2	6.2	05/13/08	semiannual	71
Oct-08	6.2	5	5			6.2	6.2	10/18/09	semiannual	72
May-09	5	5	5			5.6	5.6	05/09/09	semiannual	73
Oct-09	5	5	5			5	5	10/29/09	semiannual	74
May-10	5	5	5			5	5	05/20/10	semiannual	75
Oct-10	5	5	5			5	5	10/18/10	semiannual	76
Jun-11	2	5	2			3.5	3.5	06/02/11	semiannual	77
Oct-11	5	5	5			3.5	3.5	10/12/11	semiannual	78
May-12	2	5	2			3.5	3.5	05/18/12	semiannual	79
Oct-12	2	5	2			2	2	10/11/12	semiannual	80
May-13	2	5	2			2	2	05/17/13	semiannual	81
Oct-13	2	5	2			2	2	10/11/13	semiannual	82
May-14	10	5	10			6	6	05/05/14	semiannual	83
Oct-14	2	5	2			6	6	10/06/14	semiannual	84
Jul-15	2	5	2			2	2	07/09/15	semiannual	85
Jul-16	1	5	1			1.5	1.5	07/20/16	Annual	86
Sep-17	0.3	5	0.5			0.65	0.65	09/22/17	Annual	87


MOVING AVERAGE TREND TEST
VDM-11
TRICHLOROETHENE
TRICHLOROETHENE
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)
ug/L
0
5
10
15
20
25
30
35
40
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
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Jan-07
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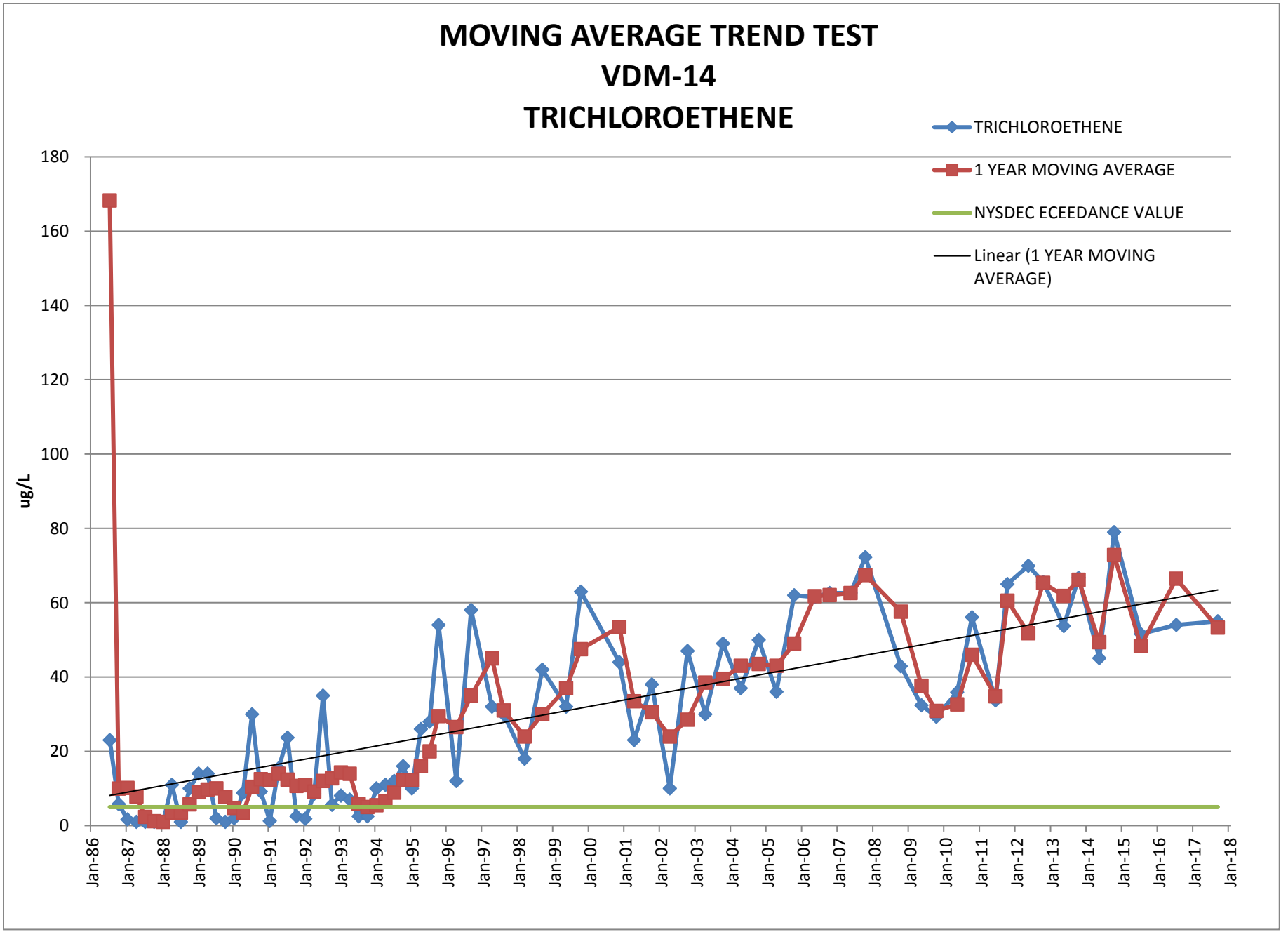
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
Jan-18

WELL VDM - 11 : TRICHLOROETHENE

SAMPLING EVENT NO.	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
-	-	-	-	-	-	-				-
Jan-87		5	5	TOTAL STD	5.4394					1
Apr-87		5	5	TOTAL Sx	0.6695					2
Jul-87	6.8	5	5	TOTAL MEAI	5.3060					3
Oct-87	21.9	5	5	TOTAL N	67					4
Jan-88	6.5	5	5	TOTAL df	66					5
Apr-88	16.6	5	5			12.95				6
Jul-88	16.3	5	5			15.33				7
Oct-88	3.8	5	5			10.80				8
Jan-89	1.6	5	5			9.58				9
Apr-89	1	5	5			5.68				10
Jul-89	1	5	5			1.85				11
Oct-89	2.1	5	5			1.43				12
Jan-90	1	5	5			1.28				13
Apr-90	1	5	5			1.28				14
Jul-90	1	5	5			1.28				15
Oct-90	10	5	5			3.25				16
Jan-91	2	5	5			3.50				17
Apr-91	2	5	5			3.75				18
Jul-91	2	5	5			4.00				19
Oct-91	2	5	5			2.00				20
Jan-92	1.9	5	5			1.98				21
Apr-92	1.4	5	5			1.83				22
Jul-92	1.25	5	5			1.64				23
Oct-92	1.25	5	5			1.45				24
Jan-93	1.5	5	5			1.35				25
Apr-93	2.5	5	5			1.63				26
Jul-93	1.5	5	5			1.69				27
Oct-93	2.5	5	5			2.00				28
Jan-94	2.5	5	5			2.25				29
Apr-94	2.5	5	5			2.25				30
Jul-94	35	5	5			10.63				31
Oct-94	2.5	5	5			10.63				32
Jan-95	2.5	5	5			10.63				33
Apr-95	2.5	5	5			10.63				34
Jul-95	2.5	5	5			2.50				35
Oct-95	2.5	5	2.5			2.50				36
Apr-96	10	5	10			6.25				37
Sep-96	10	5	10			10	10	9/17/1996	semiannual	38
Apr-97	10	5	10			10	10	4/3/1997	semiannual	39
Aug-97	10	5	10			10	10	8/27/1997	semiannual	40
Mar-98	5	5	5			7.5	7.5	3/24/1998	semiannual	41
Sep-98	2.7	5	5			3.85	3.85	9/22/1998	semiannual	42
May-99	10	5	10			6.35	6.35	5/11/1999	semiannual	43
Oct-99	10	5	10			10	10	10/5/1999	semiannual	44
May-00	10	5	10			10	10	5/16/2000	semiannual	45
Nov-00	5	5	5			7.5	7.5	11/28/2000	semiannual	46
Apr-01	5	5	5			5	5	4/4/2001	semiannual	47
Oct-01	1	5	5			3	3	10/18/2001	semiannual	48
Apr-02	5	5	5			3	3	4/18/2002	semiannual	49
Oct-02	5	5	5			5	5	10/3/2002	semiannual	50
Apr-03	5	5	5			5	5	4/25/2003	semiannual	51
Oct-03	5	5	5			5	5	10/3/2003	semiannual	52
Apr-04	5	5	5			5	5	4/1/2004	semiannual	53
Oct-04	5	5	5			5	5	10/19/2004	semiannual	54
Apr-05	5	5	5			5	5	4/22/2005	semiannual	55
Oct-05	0.7	5	5			2.85	2.85	10/7/2005	semiannual	56
May-06	6.2	5	5			3.45	3.45	5/11/2006	semiannual	57
Oct-06	6.2	5	5			6.2	6.2	10/18/2006	semiannual	58
May-07	6.2	5	5			6.2	6.2	5/22/2007	semiannual	59
Oct-07	6.2	5	5			6.2	6.2	10/25/2007	semiannual	60
May-08	6.2	5	5			6.2	6.2	5/8/2008	semiannual	61
Oct-08	6.2	5	5			6.2	6.2	10/23/2008	semiannual	62
May-09	5	5	5			5.6	5.6	5/12/2009	semiannual	63
Oct-09	5	5	5			5	5	10/29/2009	semiannual	64
May-10	5	5	5			5	5	5/20/2010	semiannual	65
Oct-10	5	5	5			5	5	10/18/2010	semiannual	66
Jun-11	2	5	2			3.5	3.5	6/2/2011	semiannual	67
Oct-11	5	5	5			3.5	3.5	10/12/2011	semiannual	68
May-12	2	5	2			3.5	3.5	5/18/2012	semiannual	69
Oct-12	2	5	2			2	2	10/11/2012	semiannual	70
May-13	2	5	2			2	2	5/17/2013	semiannual	71
Oct-13	2	5	2			2	2	10/11/2013	semiannual	72
May-14	10	5	10			6	6	5/5/2014	semiannual	73
Oct-14	2	5	2			6	6	10/6/2014	semiannual	74
Jul-15	2	5	2			2	2	7/9/2015	semiannual	75
Jul-16	1	5	1			1.5	1.5	7/20/2016	Annual	76
Sep-17	0.92	5	0.5			0.96	0.96	9/22/2017	Annual	77


MOVING AVERAGE TREND TEST
VDM-14
TRICHLOROETHENE
TRICHLOROETHENE
1 YEAR MOVING AVERAGE
NYSDEC ECEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)
ug/L
180
160
140
120
100
80
60
40
20
0
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
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Jan-11
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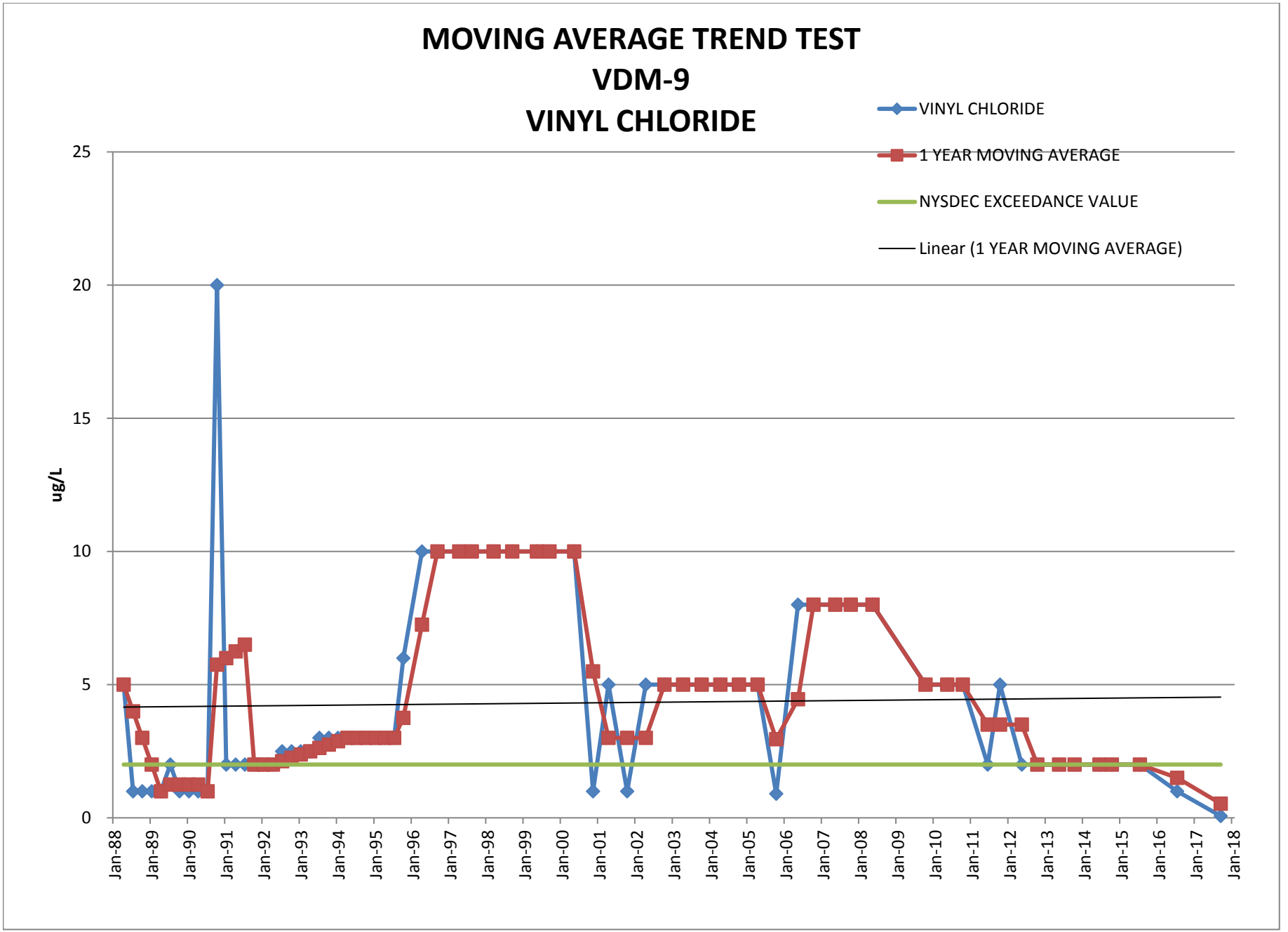
Jan-14
Jan-15
Jan-16
Jan-17
Jan-18

WELL VDM - 14 : TRICHLOROETHENE

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
---	-	-	-	-	-	-				-
Oct-85	639	5	5	TOTAL STI	74.90527					1
Jan-86	1	5	5	TOTAL Sx	8.88962					2
Apr-86	10	5	5	OTAL MEA	33.41306					3
Jul-86	23	5	5	TOTAL N	72	168.25				4
Oct-86	5.8	5	5	TOTAL df	71	9.95				5
Jan-87	1.7	5	5			10.13				6
Apr-87	1	5	5			7.88				7
Jul-87	1	5	5			2.38				8
Oct-87	1	5	5			1.18				9
Jan-88	1	5	5			1.00				10
Apr-88	11	5	5			3.50				11
Jul-88	1	5	5			3.50				12
Oct-88	10	5	5			5.75				13
Jan-89	14	5	5			9.00				14
Apr-89	14	5	5			9.75				15
Jul-89	2	5	5			10.00				16
Oct-89	1	5	5			7.75				17
Jan-90	2	5	5			4.75				18
Apr-90	8.8	5	5			3.45				19
Jul-90	30	5	5			10.45				20
Oct-90	9.2	5	5			12.50				21
Jan-91	1.25	5	5			12.31				22
Apr-91	15.4	5	5			13.96				23
Jul-91	23.7	5	5			12.39				24
Oct-91	2.5	5	5			10.71				25
Jan-92	1.89	5	5			10.87				26
Apr-92	8.6	5	5			9.17				27
Jul-92	35	5	5			12.00				28
Oct-92	5.6	5	5			12.77				29
Jan-93	8.1	5	5			14.33				30
Apr-93	7	5	5			13.93				31
Jul-93	2.5	5	5			5.80				32
Oct-93	2.5	5	5			5.03				33
Jan-94	10	5	5			5.50				34
Apr-94	11	5	5			6.50				35
Jul-94	12	5	5			8.88				36
Oct-94	16	5	5			12.25				37
Jan-95	10	5	5			12.25				38
Apr-95	26	5	5			16.00				39
Jul-95	28	5	5			20.00				40
Oct-95	54	5	5			29.50				41
Apr-96	12	5	5			26.5				42
Sep-96	58	5	10			35	35	9/17/1996	semiannual	43
Apr-97	32	5	10			45	45	4/3/1997	semiannual	44
Aug-97	30	5	100			31	31	8/27/1997	semiannual	45
Mar-98	18	5	5			24	24	3/24/1998	semiannual	46
Sep-98	42	5	5			30	30	9/22/1998	semiannual	47
May-99	32	5	10			37	37	5/11/1999	semiannual	48
Oct-99	63	5	10			47.5	47.5	10/5/1999	semiannual	49
Nov-00	44	5	5			53.5	53.5	11/28/2000	semiannual	50
Apr-01	23	5	5			33.5	33.5	4/4/2001	semiannual	51
Oct-01	38	5	5			30.5	30.5	10/18/2001	semiannual	52
Apr-02	10	5	5			24	24	4/18/2002	semiannual	53
Oct-02	47	5	25			28.5	28.5	10/18/2001	semiannual	54
Apr-03	30	5	10			38.5	38.5	4/25/2003	semiannual	55
Oct-03	49	5	5			39.5	39.5	10/3/2003	semiannual	56
Apr-04	37	5	5			43	43	4/1/2004	semiannual	57
Oct-04	50	5	10			43.5	49.5	10/19/2004	semiannual	58
Apr-05	36	5	10			43	42.5	4/22/2005	semiannual	59
Oct-05	62	5	10			49	55.5	10/7/2005	semiannual	60
May-06	61.5	5	10			61.75	55.25	5/11/2006	semiannual	61
Oct-06	62.6	5	10			62.05	55.8	10/18/2006	semiannual	62
May-07	62.6	5	10			62.6	46.3	5/22/2007	semiannual	63
Oct-07	72.3	5	10			67.45	60.65	10/25/2007	semiannual	63
Oct-08	42.9	5	10			57.6	46.45	10/23/2008	semiannual	64
May-09	32.4	5	25			37.65	34.2	5/12/2009	semiannual	65
Oct-09	29.3	5	25			30.85	45.65	10/29/2009	semiannual	66
May-10	35.9	5	25			32.6	48.7	5/20/2010	semiannual	67
Oct-10	56.1	5	25			46	59.35	10/18/2010	semiannual	68
Jun-11	33.7	5	25			34.8	48.15	6/2/2011	semiannual	69
Oct-11	65	5	50			60.55	63.8	10/12/2011	semiannual	70
May-12	69.9	5	2			51.8	71.1	5/18/2012	semiannual	71
Oct-12	65.6	5	2			65.3	54.25	10/11/2012	semiannual	72
May-13	53.7	5	2			61.8	43.05	5/17/2013	semiannual	73
Oct-13	66.7	5	2			66.15	48	10/11/2013	semiannual	74
May-14	45.1	5	2			49.4	40.5	5/5/2014	semiannual	75
Oct-14	79	5	2			72.85	67.55	10/6/2014	semiannual	76
Jul-15	51.6	5	2			48.35	42.65	7/9/2015	semiannual	77
Jul-16	54	5	1			66.5	59.5	7/20/2016	Annual	78
Sep-17	55	5	2			53.3	62.45	9/22/2017	Annual	79


MOVING AVERAGE TREND TEST
VDM-9
VINYL CHLORIDE
VINYL CHLORIDE
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)
ug/L
25
20
15
10
5
0
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
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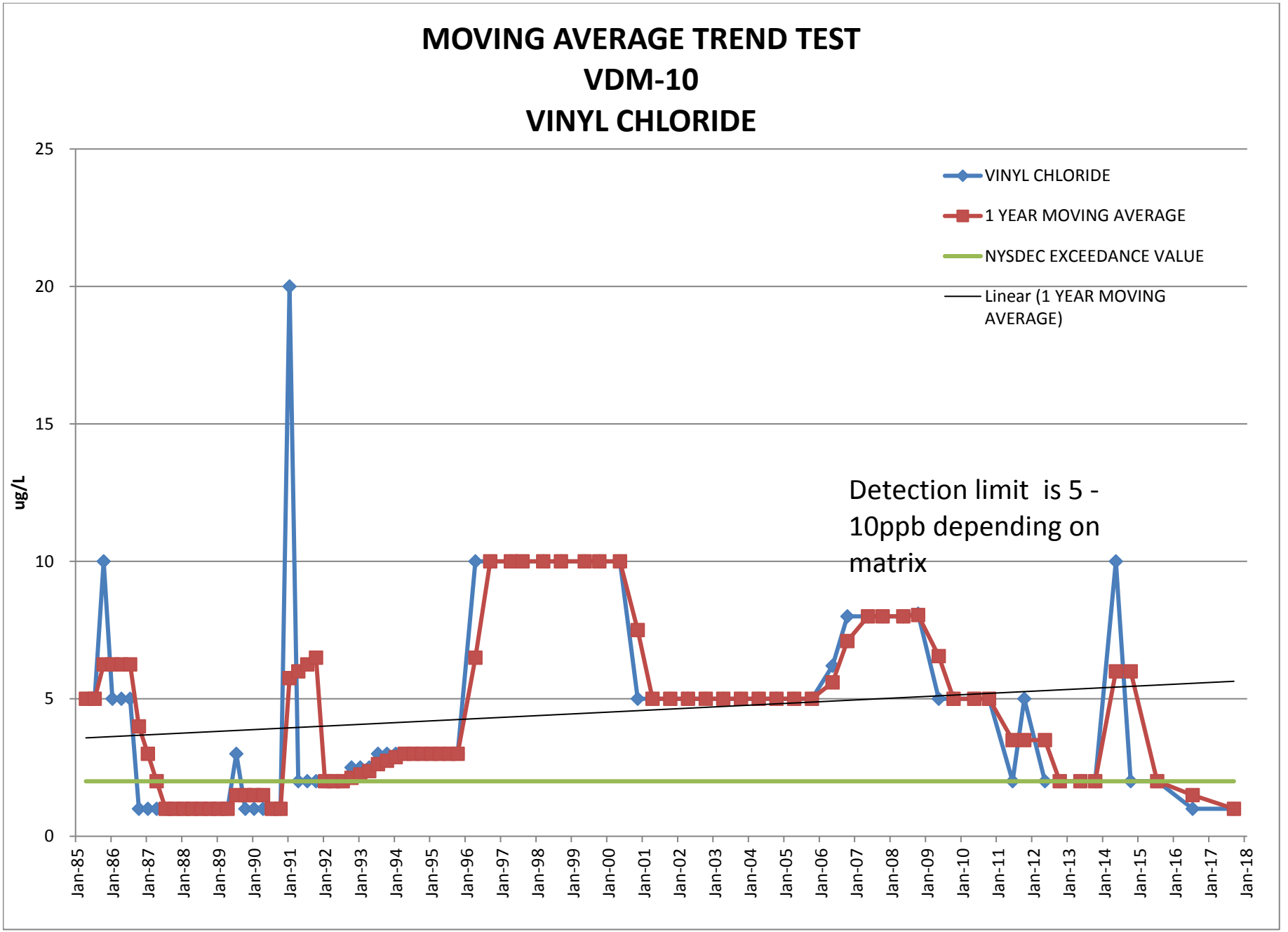
Jan-16
Jan-17
Jan-18

WELL VDM - 9 : VINYL CHLORIDE

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
Jan-87		2	2	OTAL STD	3.534423					1
Apr-87		2	2	TOTAL Sx	0.445295					2
Jul-87	5	2	2	TAL MEAN	4.685938					3
Oct-87	5	2	2	TOTAL N	64					4
Jan-88	5	2	2	TOTAL df	63					5
Apr-88	5	2	2			5.00				6
Jul-88	1	2	2			4.00				7
Oct-88	1	2	2			3.00				8
Jan-89	1	2	2			2.00				9
Apr-89	1	2	2			1.00				10
Jul-89	2	2	2			1.25				11
Oct-89	1	2	2			1.25				12
Jan-90	1	2	2			1.25				13
Apr-90	1	2	2			1.25				14
Jul-90	1	2	2			1.00				15
Oct-90	20	2	2			5.75				16
Jan-91	2	2	2			6.00				17
Apr-91	2	2	2			6.25				18
Jul-91	2	2	2			6.50				19
Oct-91	2	2	2			2.00				20
Jan-92	2	2	2			2.00				21
Apr-92	2	2	2			2.00				22
Jul-92	2.5	2	2			2.13				23
Oct-92	2.5	2	2			2.25				24
Jan-93	2.5	2	2			2.38				25
Apr-93	2.5	2	2			2.50				26
Jul-93	3	2	2			2.63				27
Oct-93	3	2	2			2.75				28
Jan-94	3	2	2			2.88				29
Apr-94	3	2	2			3.00				30
Jul-94	3	2	2			3.00				31
Oct-94	3	2	2			3.00				32
Jan-95	3	2	2			3.00				33
Apr-95	3	2	2			3.00				34
Jul-95	3	2	2			3.00				35
Oct-95	6	2	6			3.75				36
Apr-96	10	2	10			7.25	7.25	04/01/96	semiannual	37
Sep-96	10	2	10			10	10	09/17/96	semiannual	38
Apr-97	10	2	10			10	10	04/03/97	semiannual	39
Aug-97	10	2	10			10	10	08/27/97	semiannual	40
Mar-98	10	2	10			10	10	03/24/98	semiannual	41
Sep-98	10	2	10			10	10	09/22/98	semiannual	42
May-99	10	2	10			10	10	05/11/99	semiannual	43
Sep-99	10	2	10			10	10	09/29/99	semiannual	44
May-00	10	2	10			10	10	05/16/00	semiannual	45
Nov-00	1	2	5			5.5	5.5	11/28/00	semiannual	46
Apr-01	5	2	5			3	3	04/04/01	semiannual	47
Oct-01	1	2	5			3	3	10/18/01	semiannual	48
Apr-02	5	2	5			3	3	04/18/02	semiannual	49
Oct-02	5	2	5			5	5	10/03/02	semiannual	50
Apr-03	5	2	5			5	5	04/25/03	semiannual	51
Oct-03	5	2	5			5	5	10/03/03	semiannual	52
Apr-04	5	2	5			5	5	04/01/04	semiannual	53
Oct-04	5	2	5			5	5	10/19/04	semiannual	54
Apr-05	5	2	5			5	5	04/22/05	semiannual	55
Oct-05	0.9	2	5			2.95	2.95	10/07/05	semiannual	56
May-06	8	2	5			4.45	4.45	05/11/06	semiannual	57
Oct-06	8	2	5			8	8	10/18/06	semiannual	58
May-07	8	2	5			8	8	05/22/07	semiannual	59
Oct-07	8	2	5			8	8	10/25/07	semiannual	60
May-08	8	2	5			8	8	05/13/08	semiannual	61
Oct-09	5	2	5			5	6.5	10/29/09	semiannual	64
May-10	5	2	5			5	5	05/20/10	semiannual	65
Oct-10	5	2	5			5	5	10/18/10	semiannual	66
Jun-11	2	2	2			3.5	3.5	06/02/11	semiannual	67
Oct-11	5	2	5			3.5	3.5	10/12/11	semiannual	68
May-12	2	2	2			3.5	3.5	05/18/12	semiannual	69
Oct-12	2	2	2			2	2	10/11/12	semiannual	70
May-13	2	2	2			2	2	05/17/13	semiannual	71
Oct-13	2	2	2			2	2	10/11/13	semiannual	72
Jun-14	2	2	2			2	2	06/20/14	semiannual	73
Oct-14	2	2	2			2	2	10/06/14	semiannual	74
Jul-15	2	2	2			2	2	07/16/15	semiannual	75
Jul-16	1	2	1			1.5	1.5	07/20/16	Annual	76
Sep-17	0.07	2	1			0.535	0.535	09/22/17	Annual	77


MOVING AVERAGE TREND TEST
VDM-10
VINYL CHLORIDE
ug/L
25
20
15
10
5
0
VINYL CHLORIDE
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)
Detection limit is 5 - 10ppb depending on matrix
Jan-85
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
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Jan-00
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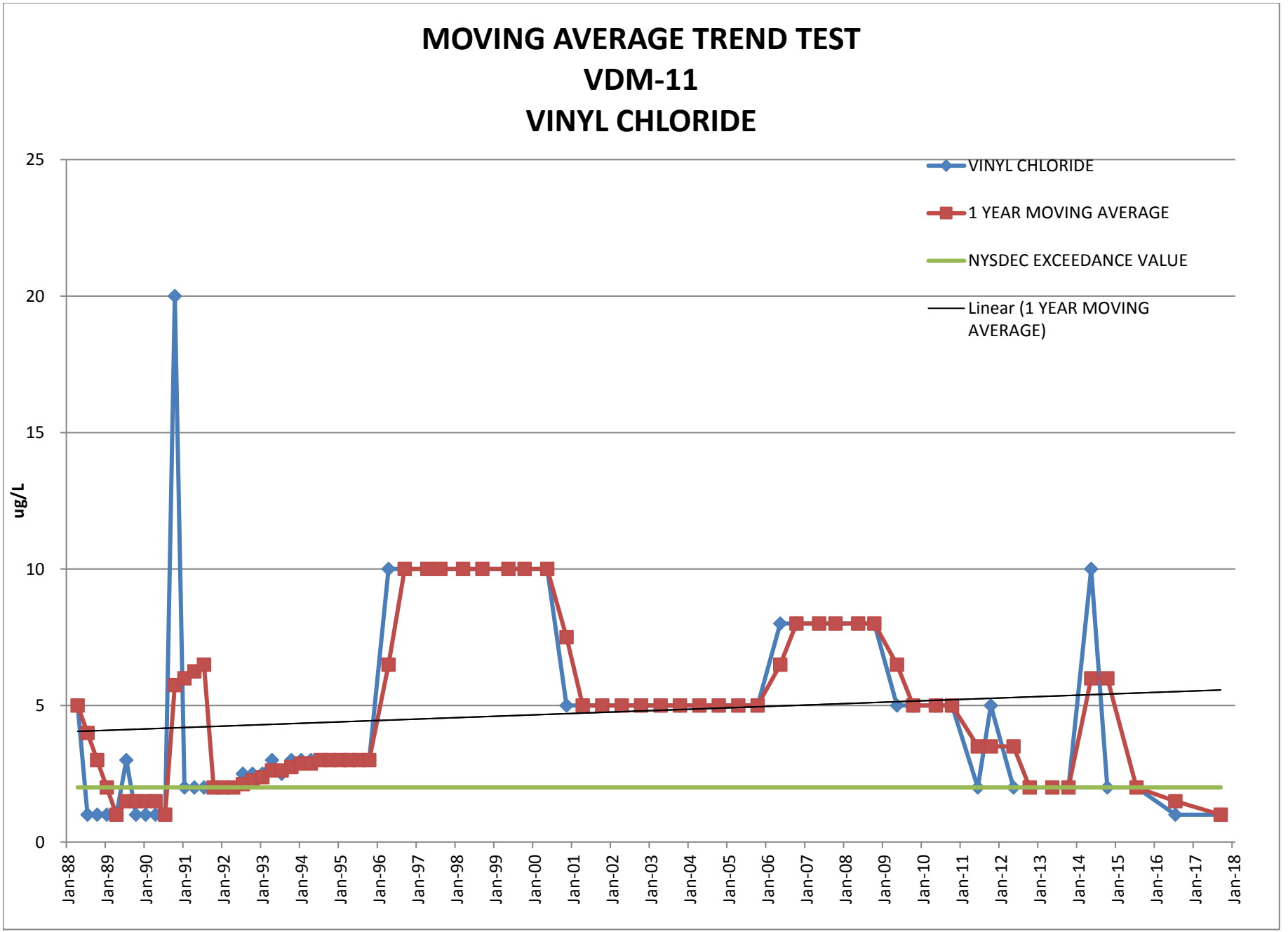
Jan-14
Jan-15
Jan-16
Jan-17
Jan-18

WELL VDM - 10 : VINYL CHLORIDE

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETEC LIMIT	STATISTICS		MOVING AVERAGE				SAMPLING EVENT NO.
-	-	-	-	----------	-	-				-
Jul-84		2	2	TOTAL STD	3.4207125					1
Oct-84		2	2	TOTAL Sx	0.3949899					2
Jan-85	5	2	2	TOTAL ME/	4.5631579					3
Apr-85	5	2	2	TOTAL N	76	5.00				4
Jul-85	5	2	2	TOTAL df	75	5.00				5
Oct-85	10	2	2			6.25				6
Jan-86	5	2	2			6.25				7
Apr-86	5	2	2			6.25				8
Jul-86	5	2	2			6.25				9
Oct-86	1	2	2			4.00				10
Jan-87	1	2	2			3.00				11
Apr-87	1	2	2			2.00				12
Jul-87	1	2	2			1.00				13
Oct-87	1	2	2			1.00				14
Jan-88	1	2	2			1.00				15
Apr-88	1	2	2			1.00				16
Jul-88	1	2	2			1.00				17
Oct-88	1	2	2			1.00				18
Jan-89	1	2	2			1.00				19
Apr-89	1	2	2			1.00				20
Jul-89	3	2	2			1.50				21
Oct-89	1	2	2			1.50				22
Jan-90	1	2	2			1.50				23
Apr-90	1	2	2			1.50				24
Jul-90	1	2	2			1.00				25
Oct-90	1	2	2			1.00				26
Jan-91	20	2	2			5.75				27
Apr-91	2	2	2			6.00				28
Jul-91	2	2	2			6.25				29
Oct-91	2	2	2			6.50				30
Jan-92	2	2	2			2.00				31
Apr-92	2	2	2			2.00				32
Jul-92	2	2	2			2.00				33
Oct-92	2.5	2	2			2.13				34
Jan-93	2.5	2	2			2.25				35
Apr-93	2.5	2	2			2.38				36
Jul-93	3	2	2			2.63				37
Oct-93	3	2	2			2.75				38
Jan-94	3	2	2			2.88				39
Apr-94	3	2	2			3.00				40
Jul-94	3	2	2			3.00				41
Oct-94	3	2	2			3.00				42
Jan-95	3	2	2			3.00				43
Apr-95	3	2	2			3.00				44
Jul-95	3	2	2			3.00				45
Oct-95	3	2	3			3.00				46
Apr-96	10	2	10			6.50				47
Sep-96	10	2	10			10	10	09/17/96	semiannual	48
Apr-97	10	2	10			10	10	04/03/97	semiannual	49
Aug-97	10	2	10			10	10	08/27/97	semiannual	50
Mar-98	10	2	10			10	10	03/24/98	semiannual	51
Sep-98	10	2	10			10	10	09/22/98	semiannual	52
May-99	10	2	10			10	10	05/11/99	semiannual	53
Oct-99	10	2	10			10	10	10/05/99	semiannual	54
May-00	10	2	10			10	10	05/16/00	semiannual	55
Nov-00	5	2	5			7.5	7.5	11/28/00	semiannual	56
Apr-01	5	2	5			5	5	04/04/01	semiannual	57
Oct-01	5	2	5			5	5	10/18/01	semiannual	58
Apr-02	5	2	5			5	5	04/18/02	semiannual	59
Oct-02	5	2	5			5	5	10/03/02	semiannual	60
Apr-03	5	2	5			5	5	04/25/03	semiannual	61
Oct-03	5	2	5			5	5	10/03/03	semiannual	62
Apr-04	5	2	5			5	5	04/01/04	semiannual	63
Oct-04	5	2	5			5	5	10/19/04	semiannual	64
Apr-05	5	2	5			5	5	04/22/05	semiannual	65
Oct-05	5	2	5			5	5	10/07/05	semiannual	66
May-06	6.2	2	5			5.6	5.6	05/11/06	semiannual	67
Oct-06	8	2	5			7.1	7.1	10/18/06	semiannual	68
May-07	8	2	5			8	8	05/22/07	semiannual	69
Oct-07	8	2	5			8	8	10/25/07	semiannual	70
May-08	8	2	5			8	8	05/13/08	semiannual	71
Oct-08	8.1	2	5			8.05	8.05	10/18/08	semiannual	72
May-09	5	2	5			6.55	6.55	05/12/09	semiannual	73
Oct-09	5	2	5			5	5	10/29/09	semiannual	74
May-10	5	2	5			5	5	05/20/10	semiannual	75
Oct-10	5	2	5			5	5	10/18/10	semiannual	76
Jun-11	2	2	2			3.5	3.5	06/02/11	semiannual	77
Oct-11	5	2	5			3.5	3.5	10/12/11	semiannual	78
May-12	2	2	2			3.5	3.5	05/18/12	semiannual	79
Oct-12	2	2	2			2	2	10/11/12	semiannual	80
May-13	2	2	2			2	2	05/17/13	semiannual	81
Oct-13	2	2	2			2	2	10/11/13	semiannual	82
May-14	10	2	10			6	6	05/05/14	semiannual	83
Oct-14	2	2	2			6	6	10/06/14	semiannual	84
Jul-15	2	2	2			2	2	07/09/15	semiannual	85
Jul-16	1	2	1			1.5	1.5	07/20/16	Annual	86
Sep-17	1	2	1			1	1	09/22/17	Annual	87

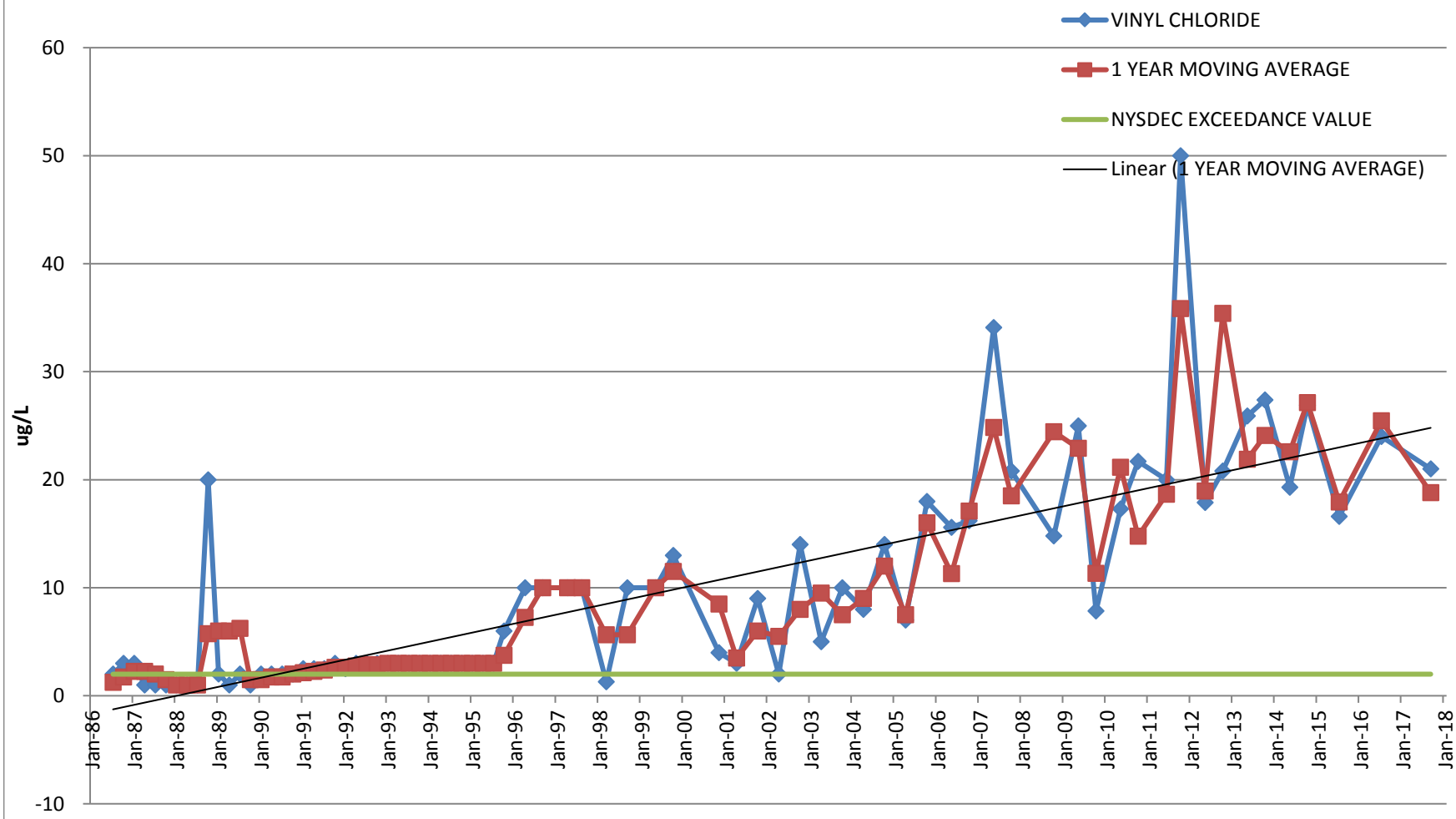
MOVING AVERAGE TREND TEST
VDM-11
VINYL CHLORIDE



WELL VDM - 11 : VINYL CHLORIDE

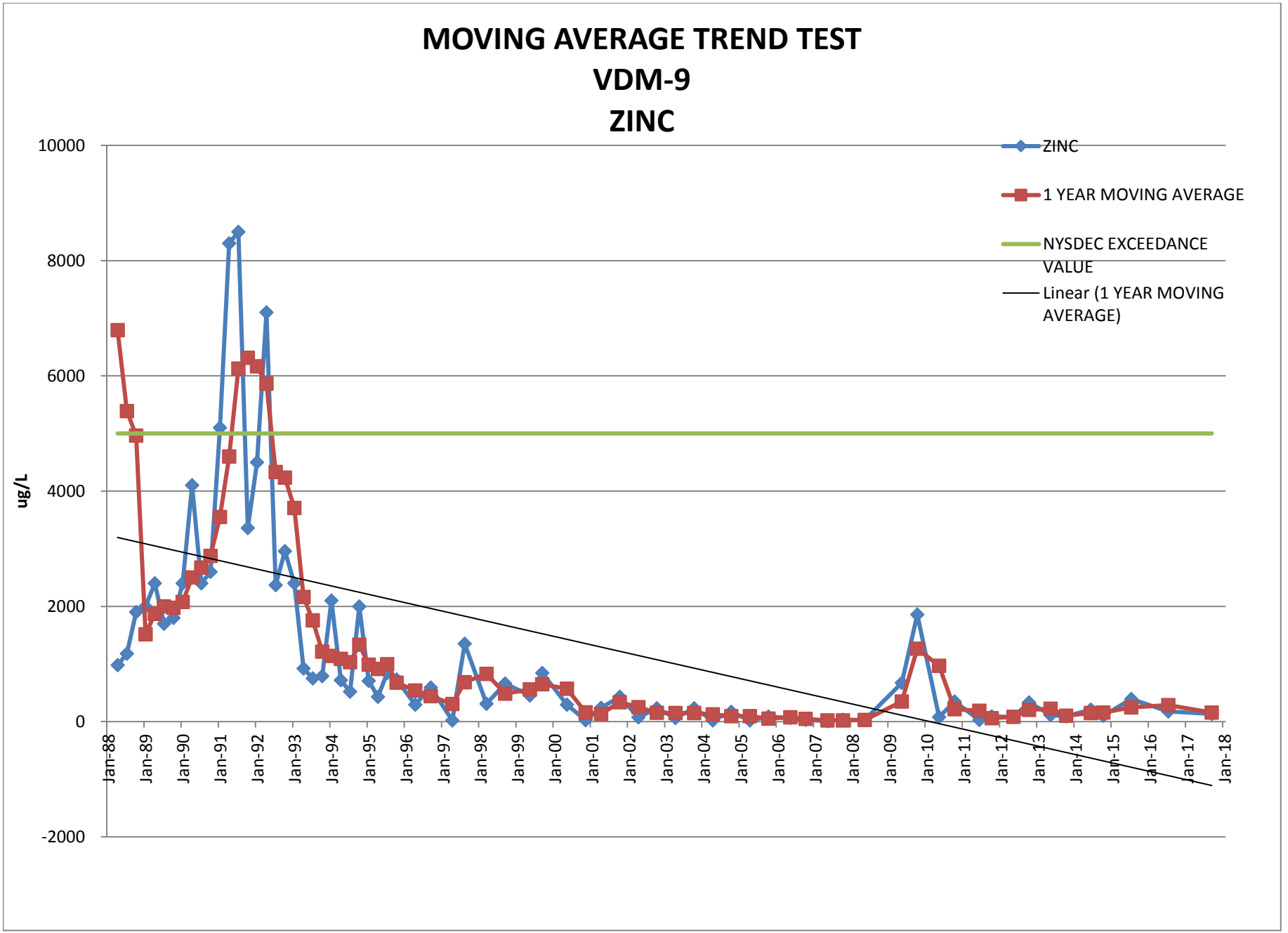
SAMPLING EVENT NO.	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
-	-	-	-	-	-	-				-
Jan-87		2	2	TOTAL STD	3.3934					1
Apr-87		2	2	TOTAL Sx	0.4177					2
Jul-87	5	2	2	TOTAL MEAI	4.8507					3
Oct-87	5	2	2	TOTAL N	67					4
Jan-88	5	2	2	TOTAL df	66					5
Apr-88	5	2	2			5.00				6
Jul-88	1	2	2			4.00				7
Oct-88	1	2	2			3.00				8
Jan-89	1	2	2			2.00				9
Apr-89	1	2	2			1.00				10
Jul-89	3	2	2			1.50				11
Oct-89	1	2	2			1.50				12
Jan-90	1	2	2			1.50				13
Apr-90	1	2	2			1.50				14
Jul-90	1	2	2			1.00				15
Oct-90	20	2	2			5.75				16
Jan-91	2	2	2			6.00				17
Apr-91	2	2	2			6.25				18
Jul-91	2	2	2			6.50				19
Oct-91	2	2	2			2.00				20
Jan-92	2	2	2			2.00				21
Apr-92	2	2	2			2.00				22
Jul-92	2.5	2	2			2.13				23
Oct-92	2.5	2	2			2.25				24
Jan-93	2.5	2	2			2.38				25
Apr-93	3	2	2			2.63				26
Jul-93	2.5	2	2			2.63				27
Oct-93	3	2	2			2.75				28
Jan-94	3	2	2			2.88				29
Apr-94	3	2	2			2.88				30
Jul-94	3	2	2			3.00				31
Oct-94	3	2	2			3.00				32
Jan-95	3	2	2			3.00				33
Apr-95	3	2	2			3.00				34
Jul-95	3	2	2			3.00				35
Oct-95	3	2	3			3.00				36
Apr-96	10	2	10			6.5				37
Sep-96	10	2	10			10	10	9/17/1996	semiannual	38
Apr-97	10	2	10			10	10	4/3/1997	semiannual	39
Aug-97	10	2	10			10	10	8/27/1997	semiannual	40
Mar-98	10	2	10			10	10	3/24/1998	semiannual	41
Sep-98	10	2	10			10	10	9/22/1998	semiannual	42
May-99	10	2	10			10	10	5/11/1999	semiannual	43
Oct-99	10	2	10			10	10	10/5/1999	semiannual	44
May-00	10	2	10			10	10	5/16/2000	semiannual	45
Nov-00	5	2	5			7.5	7.5	11/28/2000	semiannual	46
Apr-01	5	2	5			5	5	4/4/2001	semiannual	47
Oct-01	5	2	5			5	5	10/18/2001	semiannual	48
Apr-02	5	2	5			5	5	4/18/2002	semiannual	49
Oct-02	5	2	5			5	5	10/3/2002	semiannual	50
Apr-03	5	2	5			5	5	4/25/2003	semiannual	51
Oct-03	5	2	5			5	5	10/3/2003	semiannual	52
Apr-04	5	2	5			5	5	4/1/2004	semiannual	53
Oct-04	5	2	5			5	5	10/19/2004	semiannual	54
Apr-05	5	2	5			5	5	4/22/2005	semiannual	55
Oct-05	5	2	5			5	5	10/7/2005	semiannual	56
May-06	8	2	5			6.5	6.5	5/11/2006	semiannual	57
Oct-06	8	2	5			8	8	10/18/2006	semiannual	58
May-07	8	2	5			8	8	5/22/2007	semiannual	59
Oct-07	8	2	5			8	8	10/25/2007	semiannual	60
May-08	8	2	5			8	8	5/13/2008	semiannual	61
Oct-08	8	2	5			8	8	10/23/2008	semiannual	62
May-09	5	2	5			6.5	6.5	5/12/2009	semiannual	63
Oct-09	5	2	5			5	5	10/29/2009	semiannual	64
May-10	5	2	5			5	5	5/20/2010	semiannual	65
Oct-10	5	2	5			5	5	10/18/2010	semiannual	66
Jun-11	2	2	2			3.5	3.5	6/2/2011	semiannual	67
Oct-11	5	2	5			3.5	3.5	10/12/2011	semiannual	68
May-12	2	2	2			3.5	3.5	5/18/2012	semiannual	69
Oct-12	2	2	2			2	2	10/11/2012	semiannual	70
May-13	2	2	2			2	2	5/17/2013	semiannual	71
Oct-13	2	2	2			2	2	10/11/2013	semiannual	72
May-14	10	2	10			6	6	5/5/2014	semiannual	73
Oct-14	2	2	2			6	6	10/6/2014	semiannual	74
Jul-15	2	2	2			2	2	7/6/2015	semiannual	75
Jul-16	1	2	1			1.5	1.5	7/20/2016	Annual	76
Sep-17	1	2	1			1	1	9/22/2017	Annual	77

MOVING AVERAGE TREND TEST
VDM-14
VINYL CHLORIDE



WELL VDM - 14 : VINYL CHLORIDE

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
---	-	-	-	-	-	-				-
Oct-85	1	2	2	TOTAL STI	8.669798					1
Jan-86	1	2	2	TOTAL Sx	1.028916					2
Apr-86	1	2	2	OTAL MEA	7.521528					3
Jul-86	2	2	2	TOTAL N	72	1.25				4
Oct-86	3	2	2	TOTAL df	71	1.75				5
Jan-87	3	2	2			2.25				6
Apr-87	1	2	2			2.25				7
Jul-87	1	2	2			2.00				8
Oct-87	1	2	2			1.50				9
Jan-88	1	2	2			1.00				10
Apr-88	1	2	2			1.00				11
Jul-88	1	2	2			1.00				12
Oct-88	20	2	2			5.75				13
Jan-89	2	2	2			6.00				14
Apr-89	1	2	2			6.00				15
Jul-89	2	2	2			6.25				16
Oct-89	1	2	2			1.50				17
Jan-90	2	2	2			1.50				18
Apr-90	2	2	2			1.75				19
Jul-90	2	2	2			1.75				20
Oct-90	2	2	2			2.00				21
Jan-91	2.5	2	2			2.13				22
Apr-91	2.5	2	2			2.25				23
Jul-91	2.5	2	2			2.38				24
Oct-91	3	2	2			2.63				25
Jan-92	2.5	2	2			2.63				26
Apr-92	3	2	2			2.75				27
Jul-92	3	2	2			2.88				28
Oct-92	3	2	2			2.88				29
Jan-93	3	2	2			3.00				30
Apr-93	3	2	2			3.00				31
Jul-93	3	2	2			3.00				32
Oct-93	3	2	2			3.00				33
Jan-94	3	2	2			3.00				34
Apr-94	3	2	2			3.00				35
Jul-94	3	2	2			3.00				36
Oct-94	3	2	2			3.00				37
Jan-95	3	2	2			3.00				38
Apr-95	3	2	2			3.00				39
Jul-95	3	2	2			3.00				40
Oct-95	6	2	6			3.75				41
Apr-96	10	2	10			7.25				42
Sep-96	10	2	10			10	10	9/17/1996	semiannual	43
Apr-97	10	2	10			10	10	4/3/1997	semiannual	44
Aug-97	10	2	100			10	10	8/27/1997	semiannual	45
Mar-98	1.3	2	10			5.65	5.65	3/24/1998	semiannual	46
Sep-98	10	2	10			5.65	5.65	9/22/1998	semiannual	47
May-99	10	2	10			10	10	5/11/1999	semiannual	48
Oct-99	13	2	10			11.5	11.5	10/5/1999	semiannual	49
Nov-00	4	2	5			8.5	8.5	11/28/2000	semiannual	50
Apr-01	3	2	5			3.5	3.5	4/4/2001	semiannual	51
Oct-01	9	2	5			6	6	10/18/2001	semiannual	52
Apr-02	2	2	5			5.5	5.5	4/18/2002	semiannual	53
Oct-02	14	2	25			8	8	10/3/2002	semiannual	54
Apr-03	5	2	10			9.5	9.5	4/25/2003	semiannual	55
Oct-03	10	2	5			7.5	7.5	10/3/2003	semiannual	56
Apr-04	8	2	10			9	9	4/1/2004	semiannual	57
Oct-04	14	2	10			12	12	10/19/2004	semiannual	58
Apr-05	7	2	10			7.5	7.5	4/22/2005	semiannual	59
Oct-05	18	2	10			16	16	10/7/2005	semiannual	60
May-06	15.6	2	10			11.3	11.3	5/11/2006	semiannual	61
Oct-06	16.2	2	10			17.1	17.1	10/18/2006	semiannual	62
May-07	34.1	2	10			24.85	24.85	5/22/2007	semiannual	63
Oct-07	20.8	2	10			18.5	18.5	10/25/2007	semiannual	64
Oct-08	14.8	2	10			24.45	24.45	10/23/2008	semiannual	65
May-09	25	2	25			22.9	22.9	5/12/2009	semiannual	66
Oct-09	7.85	2	25			11.325	11.325	10/29/2009	semiannual	67
May-10	17.3	2	25			21.15	21.15	5/20/2010	semiannual	68
Oct-10	21.7	2	25			14.775	14.775	10/18/2010	semiannual	69
Jun-11	20	2	20			18.65	18.65	6/2/2011	semiannual	70
Oct-11	50	2	50			35.85	35.85	10/12/2011	semiannual	71
May-12	17.9	2	2			18.95	18.95	5/18/2012	semiannual	72
Oct-12	20.8	2	2			35.4	35.4	10/11/2012	semiannual	73
May-13	25.9	2	2			21.9	21.9	5/17/2013	semiannual	74
Oct-13	27.4	2	2			24.1	24.1	10/11/2013	semiannual	75
May-14	19.3	2	2			22.6	22.6	5/5/2014	semiannual	76
Oct-14	26.9	2	2			27.15	27.15	10/2/2014	semiannual	77
Jul-15	16.6	2	2			17.95	17.95	7/9/2015	semiannual	78
Jul-16	24	2	1			25.45	25.45	7/20/2016	Annual	79
Sep-17	21	2	4			18.8	18.8	9/22/2017	Annual	80


MOVING AVERAGE TREND TEST
VDM-9
ZINC
ug/L
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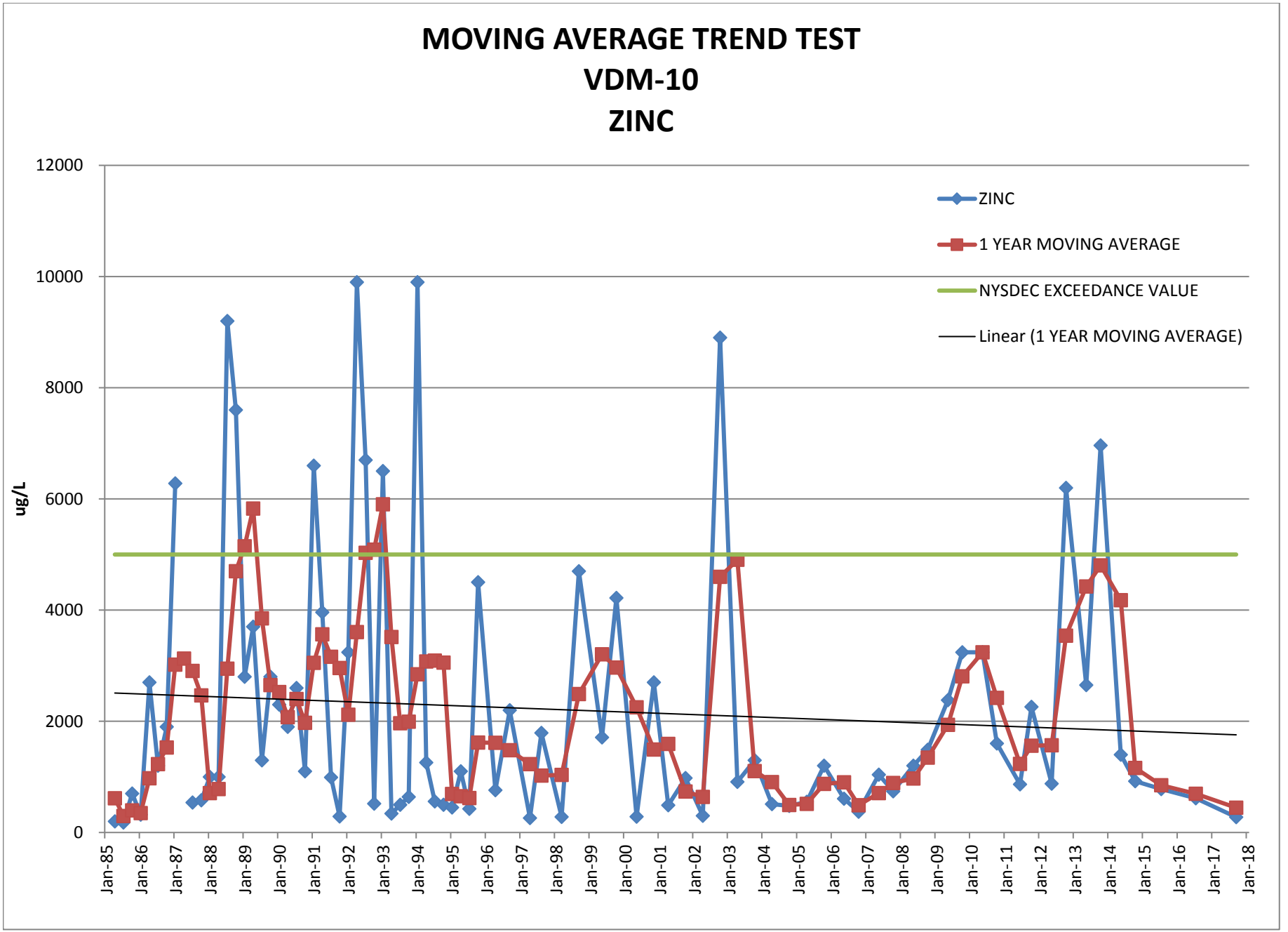
ZINC
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)

WELL VDM - 9 : ZINC

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
Jan-87	3050	5000	300	OTAL STD	2561.8					1
Apr-87	3150	5000	300	TOTAL Sx	317.7522					2
Jul-87		5000	300	TAL MEAN	1724.439					3
Oct-87	3600	5000	300	TOTAL N	66	3266.667				4
Jan-88	15800	5000	300	TOTAL df	65	7516.667				5
Apr-88	980	5000	300			6793.333				6
Jul-88	1180	5000	300			5390				7
Oct-88	1900	5000	300			4965				8
Jan-89	2000	5000	300			1515				9
Apr-89	2400	5000	300			1870				10
Jul-89	1700	5000	300			2000				11
Oct-89	1800	5000	300			1975				12
Jan-90	2400	5000	300			2075				13
Apr-90	4100	5000	300			2500				14
Jul-90	2400	5000	300			2675				15
Oct-90	2600	5000	300			2875				16
Jan-91	5100	5000	300			3550				17
Apr-91	8300	5000	300			4600				18
Jul-91	8500	5000	300			6125				19
Oct-91	3360	5000	300			6315				20
Jan-92	4500	5000	300			6165				21
Apr-92	7100	5000	300			5865				22
Jul-92	2370	5000	300			4332.5				23
Oct-92	2960	5000	300			4232.5				24
Jan-93	2400	5000	300			3707.5				25
Apr-93	920	5000	300			2162.5				26
Jul-93	750	5000	300			1757.5				27
Oct-93	790	5000	300			1215				28
Jan-94	2100	5000	300			1140				29
Apr-94	720	5000	300			1090				30
Jul-94	520	5000	300			1032.5				31
Oct-94	2000	5000	300			1335				32
Jan-95	707	5000	300			986.75				33
Apr-95	430	5000	300			914.25				34
Jul-95	842	5000	300			994.75				35
Oct-95	730	5000	20			677.25				36
Apr-96	293	5000	20			539.5	539.5			37
Sep-96	590	5000	20			441.5	441.5	09/17/96	semiannual	38
Apr-97	20	5000	20			305	305	04/03/97	semiannual	39
Aug-97	1350	5000	20			685	685	08/27/97	semiannual	40
Mar-98	310	5000	10			830	830	03/24/98	semiannual	41
Sep-98	660	5000				485	485	09/22/98	semiannual	42
May-99	455	5000	16			557.5	557.5	05/11/99	semiannual	43
Sep-99	844	5000	16			649.5	649.5	09/29/99	semiannual	44
May-00	295	5000	16			569.5	569.5	05/16/00	semiannual	45
Nov-00	26	5000	26			160.5	160.5	11/28/00	semiannual	46
Apr-01	240	5000	26			133	133	04/04/01	semiannual	47
Oct-01	430	5000	20			335	335	10/18/01	semiannual	48
Apr-02	75	5000	20			252.5	252.5	04/18/02	semiannual	49
Oct-02	230	5000	20			152.5	152.5	10/03/02	semiannual	50
Apr-03	65	5000	20			147.5	147.5	04/25/03	semiannual	51
Oct-03	230	5000	20			147.5	147.5	04/25/03	semiannual	52
Apr-04	20	5000	20			125	125	04/01/04	semiannual	53
Oct-04	170	5000	20			95	95	10/19/04	semiannual	54
Apr-05	20	5000	20			95	95	04/22/05	semiannual	55
Oct-05	86	5000	20			53	53	10/07/05	semiannual	56
May-06	64	5000	20			75	75	05/11/06	semiannual	57
Oct-06	31	5000	20			47.5	47.5	10/18/06	semiannual	58
May-07	10	5000	20			20.5	20.5	05/22/07	semiannual	59
Oct-07	31	5000	20			20.5	20.5	10/25/07	semiannual	60
May-08	28	5000	20			29.5	29.5	05/13/08	semiannual	61
May-09	671	5000	20			349.5	349.5	05/12/09	semiannual	63
Oct-09	1860	5000	20			1265.5	1265.5	10/29/09	semiannual	64
May-10	79	5000	20			969.5	969.5	05/20/10	semiannual	65
Oct-10	350	5000	20			214.5	214.5	10/18/10	semiannual	66
Jun-11	30	5000	20			190	190	06/02/11	semiannual	67
Oct-11	91	5000	20			60.5	60.5	10/12/11	semiannual	68
May-12	78	5000	10			84.5	84.5	05/18/12	semiannual	69
Oct-12	331	5000	1280			204.5	204.5	10/01/12	semiannual	70
May-13	116	5000	1000			223.5	223.5	05/17/13	semiannual	71
Oct-13	90	5000	880			103	103	10/11/13	semiannual	72
Jun-14	208	5000	544			149	149	06/20/14	semiannual	73
Oct-14	103	5000	21			155.5	155.5	10/06/14	semiannual	74
Jul-15	391	5000	800			247	247	07/16/15	semiannual	75
Jul-16	177	5000	500			284	284	07/20/16	Annual	76
Sep-17	133.9	5000	800			155.45	155.45	09/22/17	Annual	77


MOVING AVERAGE TREND TEST
VDM-10
ZINC
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12000
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8000
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2000
0
ZINC
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)
Jan-85
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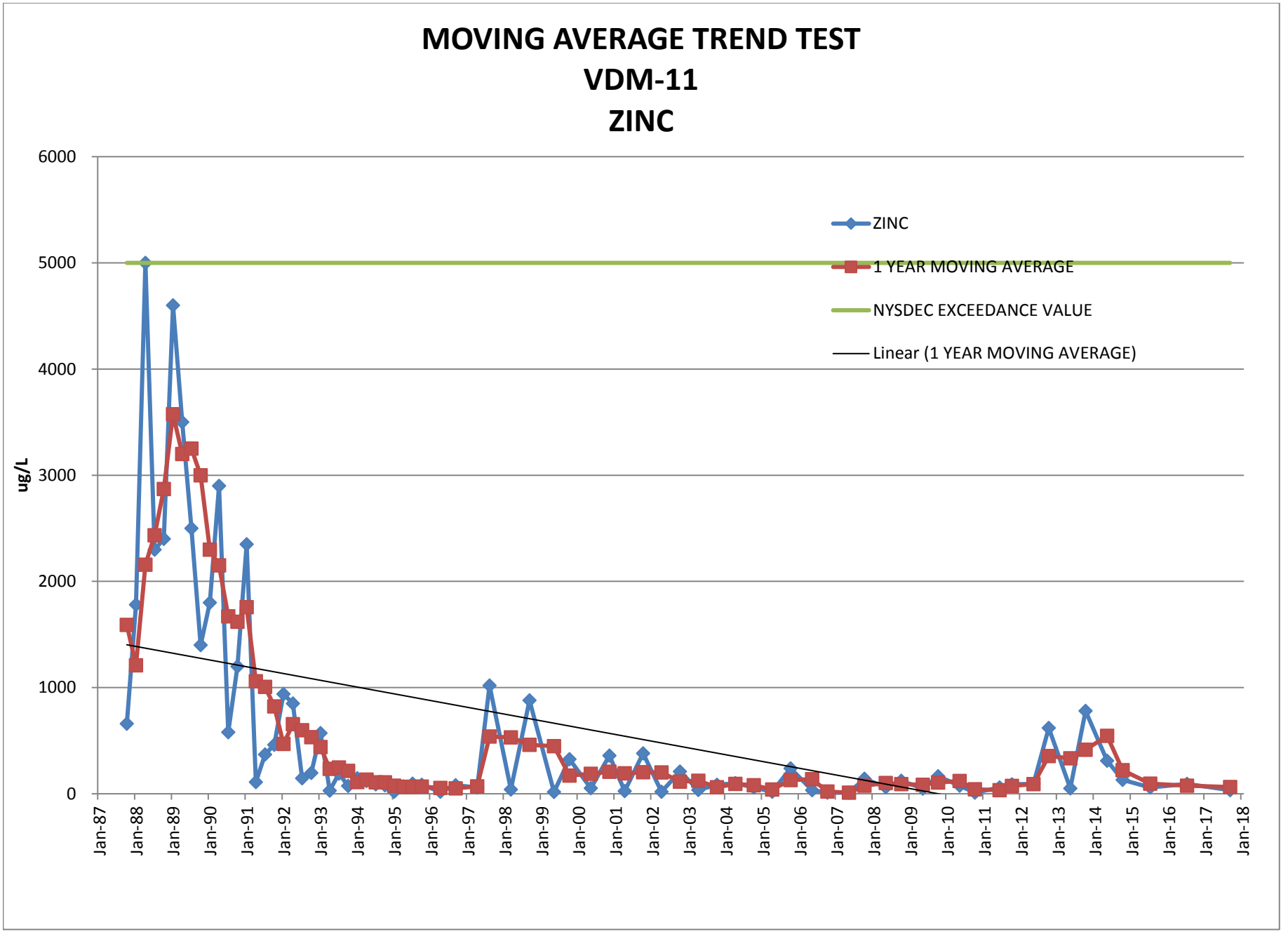
Jan-18

WELL VDM - 10 : ZINC

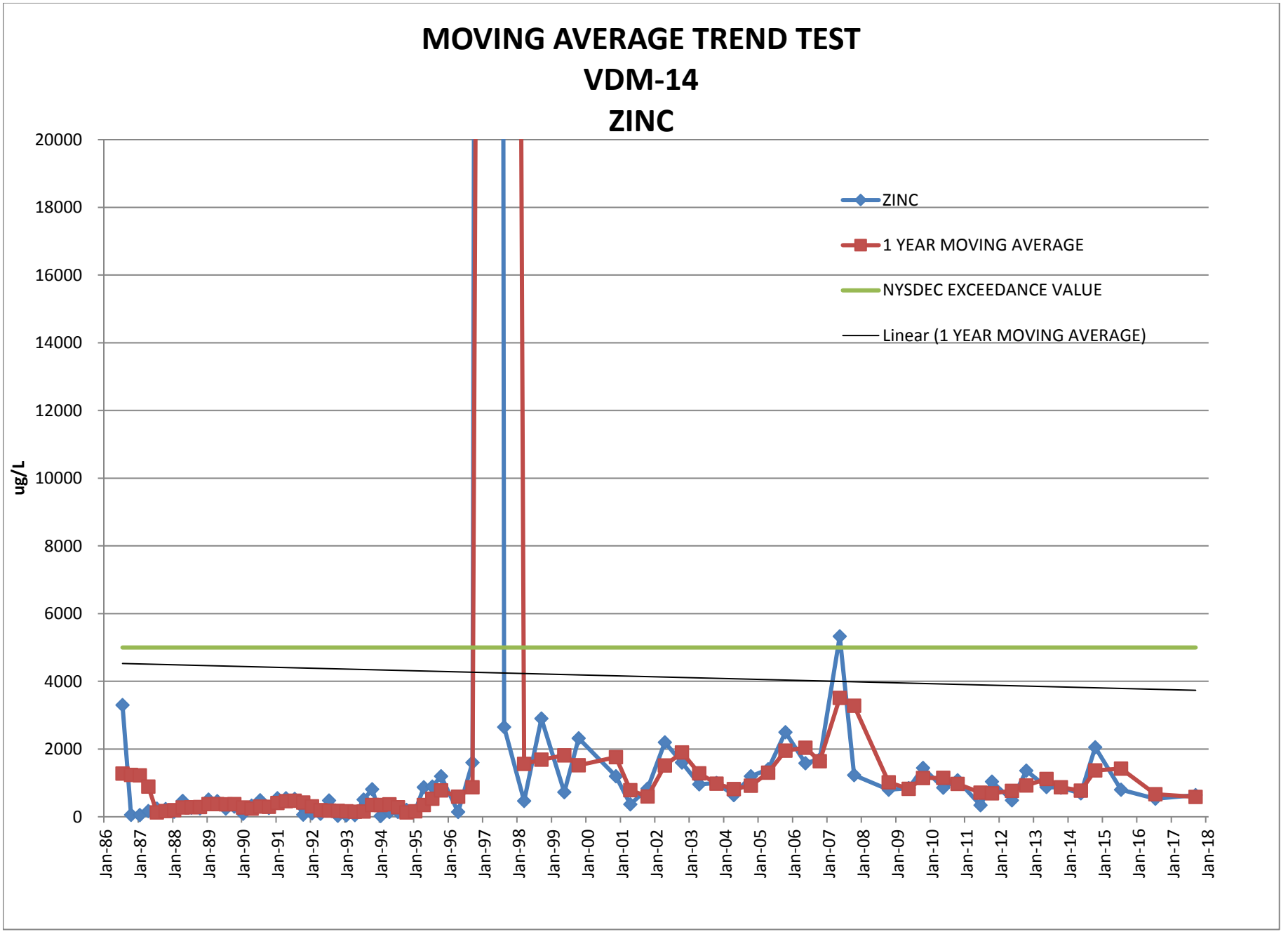
SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETEC LIMIT	STATISTICS		MOVING AVERAGE				SAMPLING EVENT NO.
Jul-84	1140	5000	300	TOTAL STD	2429.3136					1
Oct-84		5000	300	TOTAL Sx	280.51297					2
Jan-85	510	5000	300	TAL MEAN	2184.0921					3
Apr-85	200	5000	300	TOTAL N	76	616.7				4
Jul-85	180	5000	300	TOTAL df	75	296.7				5
Oct-85	700	5000	300			397.5				6
Jan-86	320	5000	300			350.0				7
Apr-86	2700	5000	300			975.0				8
Jul-86	1200	5000	300			1230.0				9
Oct-86	1900	5000	300			1530.0				10
Jan-87	6280	5000	300			3020.0				11
Apr-87		5000	300			3126.7				12
Jul-87	540	5000	300			2906.7				13
Oct-87	580	5000	300			2466.7				14
Jan-88	1000	5000	300			706.7				15
Apr-88	1000	5000	300			780.0				16
Jul-88	9200	5000	300			2945.0				17
Oct-88	7600	5000	300			4700.0				18
Jan-89	2800	5000	300			5150.0				19
Apr-89	3700	5000	300			5825.0				20
Jul-89	1300	5000	300			3850.0				21
Oct-89	2800	5000	300			2650.0				22
Jan-90	2300	5000	300			2525.0				23
Apr-90	1900	5000	300			2075.0				24
Jul-90	2600	5000	300			2400.0				25
Oct-90	1100	5000	300			1975.0				26
Jan-91	6600	5000	300			3050.0				27
Apr-91	3960	5000	300			3565.0				28
Jul-91	990	5000	300			3162.5				29
Oct-91	290	5000	300			2960.0				30
Jan-92	3240	5000	300			2120.0				31
Apr-92	9900	5000	300			3605.0				32
Jul-92	6700	5000	300			5032.5				33
Oct-92	517	5000	300			5089.3				34
Jan-93	6500	5000	300			5904.3				35
Apr-93	340	5000	300			3514.3				36
Jul-93	500	5000	300			1964.3				37
Oct-93	640	5000	300			1995.0				38
Jan-94	9900	5000	300			2845.0				39
Apr-94	1260	5000	300			3075.0				40
Jul-94	560	5000	300			3090.0				41
Oct-94	500	5000	300			3055.0				42
Jan-95	451	5000	300			692.8				43
Apr-95	1100	5000	300			652.8				44
Jul-95	426	5000	300			619.3				45
Oct-95	4500	5000	20			1619.3				46
Apr-96	762	5000	20			1612.50	1612.50			47
Sep-96	2200	5000	20			1481	1481	09/17/96	semiannual	48
Apr-97	260	5000	20			1230	1230	04/03/97	semiannual	49
Aug-97	1790	5000	20			1025	1025	08/27/97	semiannual	50
Mar-98	280	5000	10			1035	1035	03/24/98	semiannual	51
Sep-98	4700	5000	50			2490	2490	09/22/98	semiannual	52
May-99	1710	5000	16			3205	3205	05/11/99	semiannual	53
Oct-99	4220	5000	16			2965	2965	10/05/99	semiannual	54
May-00	284	5000	16			2252	2252	05/16/00	semiannual	55
Nov-00	2700	5000	26			1492	1492	11/28/00	semiannual	56
Apr-01	490	5000	26			1595	1595	04/04/01	semiannual	57
Oct-01	980	5000	20			735	735	10/18/01	semiannual	58
Apr-02	300	5000	20			640	640	04/18/02	semiannual	59
Oct-02	8900	5000	200			4600	4600	10/03/02	semiannual	60
Apr-03	910	5000	200			4905	4905	04/25/03	semiannual	61
Oct-03	1300	5000	20			1105	1105	10/03/03	semiannual	62
Apr-04	510	5000	20			905	905	04/01/04	semiannual	63
Oct-04	480	5000	20			495	495	10/19/04	semiannual	64
Apr-05	550	5000	20			515	515	04/22/05	semiannual	65
Oct-05	1200	5000	20			875	875	10/07/05	semiannual	66
May-06	609	5000	20			904.5	904.5	05/11/06	semiannual	67
Oct-06	374	5000	20			491.5	491.5	10/18/06	semiannual	68
May-07	1040	5000	20			707	707	05/22/07	semiannual	69
Oct-07	742	5000	20			891	891	10/25/07	semiannual	70
May-08	1200	5000	20			971	971	05/13/08	semiannual	71
Oct-08	1490	5000	20			1345	1345	10/23/08	semiannual	72
May-09	2380	5000	20			1935	1935	05/12/09	semiannual	73
Oct-09	3240	5000	20			2810	2810	10/29/09	semiannual	74
May-10	3240	5000	20			3240	3240	05/20/10	semiannual	75
Oct-10	1600	5000	20			2420	2420	10/18/10	semiannual	76
Jun-11	866	5000	20			1233	1233	06/02/11	semiannual	77
Oct-11	2260	5000	20			1563	1563	10/12/11	semiannual	78
May-12	878	5000	10			1569	1569	05/18/12	semiannual	79
Oct-12	6200	5000	1280			3539	3539	10/11/12	semiannual	80
May-13	2650	5000	1000			4425	4425	05/17/13	semiannual	81
Oct-13	6960	5000	880			4805	4805	10/11/13	semiannual	82
May-14	1400	5000	544			4180	4180	05/05/14	semiannual	83
Oct-14	921	5000	21			1160.5	1160.5	10/06/14	semiannual	84
Jul-15	781	5000	800			851	851	07/09/15	semiannual	85
Jul-16	614	5000	50			697.5	697.5	07/20/16	Annual	86
Sep-17	278.4	5000	10			446.2	446.2	09/22/17	Annual	87

MOVING AVERAGE TREND TEST
VDM-11
ZINC



WELL VDM - 11 : ZINC

SAMPLING EVENT NO.	NCENTRATI PPB	DEC XCEEDANC VALUE	DETECTION LIMIT	STATISTICS		MOVING AVERAGE				SAMPLING EVENT NO.
-	-	-	-	-	-	-				-
Jan-87	2920	5000	300	TOTAL STD	1110.844					1
Apr-87		5000	300	TOTAL Sx	136.735					2
Jul-87	1190	5000	300	TOTAL MEAI	695.134					3
Oct-87	660	5000	300	TOTAL N	67	1590.00				4
Jan-88	1780	5000	300	TOTAL df	66	1210.00				5
Apr-88	5000	5000	300			2157.50				6
Jul-88	2300	5000	300			2435.00				7
Oct-88	2400	5000	300			2870.00				8
Jan-89	4600	5000	300			3575.00				9
Apr-89	3500	5000	300			3200.00				10
Jul-89	2500	5000	300			3250.00				11
Oct-89	1400	5000	300			3000.00				12
Jan-90	1800	5000	300			2300.00				13
Apr-90	2900	5000	300			2150.00				14
Jul-90	580	5000	300			1670.00				15
Oct-90	1200	5000	300			1620.00				16
Jan-91	2350	5000	300			1757.50				17
Apr-91	110	5000	300			1060.00				18
Jul-91	370	5000	300			1007.50				19
Oct-91	460	5000	300			822.50				20
Jan-92	940	5000	300			470.00				21
Apr-92	850	5000	300			655.00				22
Jul-92	145	5000	300			598.75				23
Oct-92	197	5000	300			533.00				24
Jan-93	570	5000	300			440.50				25
Apr-93	30	5000	300			235.50				26
Jul-93	190	5000	300			246.75				27
Oct-93	75	5000	300			216.25				28
Jan-94	145	5000	300			110.00				29
Apr-94	120	5000	300			132.50				30
Jul-94	88	5000	300			107.00				31
Oct-94	80	5000	300			108.25				32
Jan-95	20	5000	300			77.00				33
Apr-95	70	5000	300			64.50				34
Jul-95	96	5000	300			66.50				35
Oct-95	84	5000	20			67.50				36
Apr-96	20	5000	20			55				37
Sep-96	80	5000	20			50	50	9/17/1996	semiannual	38
Apr-97	60	5000	20			70	70	4/3/1997	semiannual	39
Aug-97	1020	5000	20			540	540	8/27/1997	semiannual	40
Mar-98	41	5000	10			530.5	530.5	3/24/1998	semiannual	41
Sep-98	880	5000	10			460.5	460.5	9/22/1998	semiannual	42
May-99	16	5000	16			448	448	5/11/1999	semiannual	43
Oct-99	325	5000	16			170.5	170.5	10/5/1999	semiannual	44
May-00	53	5000	16			189	189	5/16/2000	semiannual	45
Nov-00	360	5000	26			206.5	206.5	11/28/2000	semiannual	46
Apr-01	26	5000	26			193	193	4/4/2001	semiannual	47
Oct-01	380	5000	20			203	203	10/18/2001	semiannual	48
Apr-02	20	5000	20			200	200	4/18/2002	semiannual	49
Oct-02	210	5000	20			115	115	10/3/2002	semiannual	50
Apr-03	36	5000	20			123	123	4/25/2003	semiannual	51
Oct-03	85	5000	20			60.5	60.5	10/3/2003	semiannual	52
Apr-04	100	5000	20			92.5	92.5	4/1/2004	semiannual	53
Oct-04	59	5000	20			79.5	79.5	10/19/2004	semiannual	54
Apr-05	20	5000	20			39.5	39.5	4/22/2005	semiannual	55
Oct-05	240	5000	20			130	130	10/7/2005	semiannual	56
May-06	34	5000	20			137	137	5/11/2006	semiannual	57
Oct-06	10	5000	20			22	22	10/18/2006	semiannual	58
May-07	10	5000	20			10	10	5/22/2007	semiannual	59
Oct-07	141	5000	20			75.5	75.5	10/25/2007	semiannual	60
May-08	61	5000	20			101	101	5/13/2008	semiannual	61
Oct-08	122	5000	20			91.5	91.5	10/23/2008	semiannual	62
May-09	48	5000	20			85	85	5/12/2009	semiannual	63
Oct-09	164	5000	20			106	106	10/29/2009	semiannual	64
May-10	76	5000	20			120	120	5/20/2010	semiannual	65
Oct-10	10	5000	20			43	43	10/18/2010	semiannual	66
Jun-11	59	5000	20			34.5	34.5	6/2/2011	semiannual	67
Oct-11	88	5000	20			73.5	73.5	10/12/2011	semiannual	68
May-12	92	5000	20			90	90	5/18/2012	semiannual	69
Oct-12	620	5000	1280			356	356	10/11/2012	semiannual	70
May-13	50	5000	1000			335	335	5/17/2013	semiannual	71
Oct-13	780	5000	880			415	415	10/11/2013	semiannual	72
May-14	310	5000	544			545	545	5/5/2014	semiannual	73
Oct-14	132	5000	21			221	221	10/6/2014	semiannual	74
Jul-15	60	5000	800			96	96	7/6/2015	semiannual	75
Jul-16	92	5000	50			76	76	7/20/2016	Annual	76
Sep-17	34.06	5000	10			63.03	63.03	9/22/2017	Annual	77


MOVING AVERAGE TREND TEST
VDM-14
ZINC
ug/L
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
Jan-86
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
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Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
Jan-18
ZINC
1 YEAR MOVING AVERAGE
NYSDEC EXCEEDANCE VALUE
Linear (1 YEAR MOVING AVERAGE)

WELL VDM - 14 : ZINC

SAMPLING EVENT	CONC PPB	DEC EXCEED VALUE	DETECT LIMIT	STATISTICS		MOVING AVG				EVENT NO.
---	-	-	-	-	-	-				-
Oct-85	200	5000	300	TOTAL STI	32408.64					1
Jan-86	95	5000	300	TOTAL Sx	4115.901					2
Apr-86	1500	5000	300	OTAL MEA	4927					3
Jul-86	3300	5000	300	TOTAL N	63	1273.75				4
Oct-86	57	5000	300	TOTAL df	62	1238.00				5
Jan-87	47	5000	300			1226.00				6
Apr-87	170	5000	300			893.50				7
Jul-87	240	5000	300			128.50				8
Oct-87	230	5000	300			171.75				9
Jan-88	150	5000	300			197.50				10
Apr-88	470	5000	300			272.50				11
Jul-88	270	5000	300			280.00				12
Oct-88	250	5000	300			285.00				13
Jan-89	510	5000	300			375.00				14
Apr-89	460	5000	300			372.50				15
Jul-89	240	5000	300			365.00				16
Oct-89	300	5000	300			377.50				17
Jan-90	90	5000	300			272.50				18
Apr-90	330	5000	300			240.00				19
Jul-90	490	5000	300			302.50				20
Oct-90	260	5000	300			292.50				21
Jan-91	545	5000	300			406.25				22
Apr-91	550	5000	300			461.25				23
Jul-91	530	5000	300			471.25				24
Oct-91	60	5000	300			421.25				25
Jan-92	100	5000	300			310.00				26
Apr-92	91	5000	300			195.25				27
Jul-92	480	5000	300			182.75				28
Oct-92	31	5000	300			175.50				29
Jan-93	40	5000	300			160.50				30
Apr-93	47	5000	300			149.50				31
Jul-93	506	5000	300			156.00				32
Oct-93	810	5000	300			350.75				33
Jan-94	24	5000	300			346.75				34
Apr-94	141	5000	300			370.25				35
Jul-94	142	5000	300			279.25				36
Oct-94	200	5000	300			126.75				37
Jan-95	170	5000	300			163.25				38
Apr-95	869	5000	300			345.25				39
Jul-95	889	5000	300			532.00				40
Oct-95	1200	5000	20			782.00				41
Apr-96	140	5000	20			592.25				42
Sep-96	1600	5000	20			870	870	9/17/1996	semiannual	43
Apr-97	260000	5000	50			130800	130800	4/3/1997	semiannual	44
Aug-97	2650	5000	20			131325	131325	8/27/1997	semiannual	45
Mar-98	470	5000	10			1560	1560	3/24/1998	semiannual	46
Sep-98	2900	5000	10			1685	1685	9/22/1998	semiannual	47
May-99	727	5000	16			1813.5	1813.5	5/11/1999	semiannual	48
Oct-99	2320	5000	16			1523.5	1523.5	10/5/1999	semiannual	49
Nov-00	1200	5000	26			1760	1760	11/28/2000	semiannual	50
Apr-01	370	5000	26			785	785	4/4/2001	semiannual	51
Oct-01	830	5000	20			600	600	10/18/2001	semiannual	52
Apr-02	2200	5000	20			1515	1515	4/18/2002	semiannual	53
Oct-02	1600	5000	20			1900	1900	10/3/2002	semiannual	54
Apr-03	960	5000	20			1280	1280	4/25/2003	semiannual	55
Oct-03	1000	5000	20			980	980	10/3/2003	semiannual	56
Apr-04	640	5000	20			820	820	4/1/2004	semiannual	57
Oct-04	1200	5000	20			920	920	10/19/2004	semiannual	58
Apr-05	1400	5000	20			1300	1300	4/22/2005	semiannual	59
Oct-05	2500	5000	20			1950	1950	10/7/2005	semiannual	60
May-06	1580	5000	20			2040	2040	5/11/2006	semiannual	61
Oct-06	1700	5000	20			1640	1640	10/18/2006	semiannual	62
May-07	5330	5000	20			3515	3515	5/22/2007	semiannual	63
Oct-07	1230	5000	20			3280	3280	10/25/2007	semiannual	64
Oct-08	800	5000	20			1015	1015	10/24/2008	semiannual	65
May-09	847	5000	20			823.5	823.5	5/12/2009	semiannual	66
Oct-09	1440	5000	20			1143.5	1143.5	10/29/2009	semiannual	67
May-10	860	5000	20			1150	1150	5/20/2010	semiannual	68
Oct-10	1080	5000	20			970	970	10/18/2010	semiannual	69
Jun-11	340	5000	20			710	710	6/2/2011	semiannual	70
Oct-11	1040	5000	20			690	690	10/12/2011	semiannual	71
May-12	490	5000	20			765	765	5/18/2012	semiannual	72
Oct-12	1360	5000	1280			925	925	10/11/2012	semiannual	73
May-13	880	5000	1000			1120	1120	5/17/2013	semiannual	74
Oct-13	860	5000	880			870	870	10/11/2013	semiannual	75
May-14	690	5000	544			775	775	5/5/2014	semiannual	76
Oct-14	2050	5000	103			1370	1370	10/6/2014	semiannual	77
Jul-15	800	5000	17			1425	1425	7/9/2015	semiannual	78
Jul-16	533	5000	50			666.5	666.5	7/20/2016	Annual	79
Sep-17	637.6	5000	10			585.3	585.3	9/22/2017	Annual	80

APPENDIX B

SITE- WIDE INSPECTION FORMS (SEPTEMBER 2017)

Alpha Analytical, Inc.
Facility: Buffalo, NY
Department: Sampling
Title: Field Data Sheet

P1733895

ID: 18560
Revision: 4
Published Date: 10/12/2016 11:03:14 AM
Page 1 of 1

Field Data Sheet

Section 1: Event Information

Customer:	VandeMark	Date:	9/22/17
Site/Location:	Eighteen Mile Creek	Time:	1015
Sampler Name (printed):	Zack Rebiser	Weather:	Partly Cloudy

Section 2: Sample Collection Information

Type of sample:	☑ Grab ☐ Composite ☐ Manual Composite ☐ Other: _____ If composite, Isco ID: _____

Section 3: Field Readings

Field pH (SM4500H+-B):	7.66		Flow 1:		Units:
Meter ID:	A1		Flow 2:		Units:
Residual Chlorine (SM4500Cl-G):		mg/L	Flow 3:		Units:
Meter ID:			Flow 4:		Units:
Temperature:	21.5° ☑C ☐F				

Section 4: On-site Meter/Site Readings

pH:		Integrator Value:		Units:
Temperature:	☐C ☐F	Diameter of outfall pipe:		
Refrigerator Temperature:	☐C ☐F	Depth of outfall pipe:		

Section 5 Field Observations

Sampler Signature:

Document Type: Form

Pre-Qualtrax Document ID: N/A

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Well Purging / Sampling Data

WELL VDM-9:

WELL PURGING DATA: DATE: 9/21/17

START TIME: 1015 FINISH TIME: 1020

Serial_No:10091711:48

A: MP ELEVATION 447.37 FEET

B: DEPTH TO WATER: 38.0 FEET

C: DEPTH OF WELL INSTALLED: 416.40

D: STATIC WATER LEVEL: F-B ~~C-D~~ = 1.0 FEET

E: WELL VOLUME: ~~D~~ E * 0.1636 = 0.16 GALLONS x3 = 0.49 gallons

F: DEPTH OF WELL AS MEASURED: 39.0 FEET

~ 0.16 gallons purged to Dry

WELL SAMPLING DATA: DATE: 9/22/17

START TIME: 0910 FINISH TIME: 0920

A: MP ELEVATION 447.37 FEET

B: DEPTH TO WATER: 38.1 FEET

C: DEPTH OF WELL INSTALLED: 416.40

D: STATIC WATER LEVEL: F-B ~~C-D~~ = 0.9 FEET

E: WELL VOLUME: ~~D~~ E * 0.1636 = 0.15 GALLONS

F: DEPTH OF WELL AS MEASURED: 39.0 FEET

G: pH OF SAMPLE: 6.33 pH 13.5°C

H: pH METER CALIBRATED? YES ✓ NO [ ]

I: SAMPLES OBTAINED:

1 - TOTAL METALS, 1 - TOTAL CHLORIDES, 2 - VOA's

J: WEATHER CONDITIONS: Partly Cloudy 64°F

K: SAMPLER(S): Zack Robison

L: COMMENTS: * Orange in Color

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Well Purging / Sampling Data

WELL VDM-10

WELL PURGING DATA: DATE: 9/21/17

START TIME: 0930 FINISH TIME: 0955 Serial_No:10091711:48

A: MP ELEVATION 444.89 FEET

B: DEPTH TO WATER: 32.3 FEET

C: DEPTH OF WELL INSTALLED: 398.70

D: STATIC WATER LEVEL: F-B ~~C-D~~ = 9/21/17 ~~32.3~~ 14.3 FEET

E: WELL VOLUME: ~~D~~E * 0.1636 = 2.3 GALLONS x3 = 7 gallons

F: DEPTH OF WELL AS MEASURED: 46.6 FEET

~5 gallons purged to Dry

WELL SAMPLING DATA: DATE: 9/22/17

START TIME: 0855 FINISH TIME: 0905

A: MP ELEVATION 444.89 FEET

B: DEPTH TO WATER: 43.4 FEET

C: DEPTH OF WELL INSTALLED: 398.70

D: STATIC WATER LEVEL: F-B ~~C-D~~ = 3.2 FEET

E: WELL VOLUME: ~~D~~E * 0.1636 = 0.52 GALLONS

F: DEPTH OF WELL AS MEASURED: 46.6 FEET

G: pH OF SAMPLE: 6.25 pH 11.5°C

H: pH METER CALIBRATED? YES ✓ NO [ ]

I: SAMPLES OBTAINED:

1 - TOTAL METALS, 1 - TOTAL CHLORIDES, 2 - VOA's

J: WEATHER CONDITIONS: Sunny/clear skies 63°F

K: SAMPLER(S): Zack Robison

L: COMMENTS: * Slight yellow tint in color orange

* Field Dup taken *

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Well Purging / Sampling Data

WELL VDM-11

WELL PURGING DATA: DATE: 9/22/10

START TIME: 0855 FINISH TIME: 0910

A: MP ELEVATION 450.74 FEET

B: DEPTH TO WATER: 20.2' FEET

C: DEPTH OF WELL INSTALLED: 427.70

D: STATIC WATER LEVEL: F-B ~~C-D~~ = 2.6 FEET

E: WELL VOLUME: D ~~Z~~ * 0.1636 = 0.43 GALLONS x3 = 1.3 gallons

F: DEPTH OF WELL AS MEASURED: 22.8' FEET

~ 0.5 gallons purged until Dry

WELL SAMPLING DATA: DATE: 9/22/10

START TIME: 0840 FINISH TIME: 0850

A: MP ELEVATION 450.74 FEET

B: DEPTH TO WATER: 21.6 FEET

C: DEPTH OF WELL INSTALLED: 427.70

D: STATIC WATER LEVEL: F-B ~~C-D~~ = 1.2 FEET

E: WELL VOLUME: D ~~Z~~ * 0.1636 = 0.20 GALLONS

F: DEPTH OF WELL AS MEASURED: 22.8 FEET

G: pH OF SAMPLE: 6.29 pH 13.5°C

H: pH METER CALIBRATED? YES [✓] NO [ ]

I: SAMPLES OBTAINED:

1 - TOTAL METALS, 1 - TOTAL CHLORIDES, 2 - VOA's

J: WEATHER CONDITIONS: Sunny / Clear Skies 63°F

K: SAMPLER(S): Zack Robison

L: COMMENTS: Silt/Gravel at bottom (Small Amount)
Clear Sample

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Well Purging / Sampling Data

WELL VDM-14

WELL PURGING DATA: DATE: 9/21/17

START TIME: 1030 FINISH TIME: 1040

A: MP ELEVATION 446.31 FEET

B: DEPTH TO WATER: 10.2 FEET

C: DEPTH OF WELL INSTALLED: 434.00

D: STATIC WATER LEVEL: F-B ~~C-D~~ = 1.4 FEET

E: WELL VOLUME: ~~D~~ E * 0.1636 = 0.23 GALLONS x3=0.69 gallons

F: DEPTH OF WELL AS MEASURED: 11.6 FEET

~0.75 gallons purged

WELL SAMPLING DATA: DATE: 9/22/17

START TIME: 0920 FINISH TIME: 0930

A: MP ELEVATION 446.31 FEET

B: DEPTH TO WATER: 10.3 FEET

C: DEPTH OF WELL INSTALLED: 434.00

D: STATIC WATER LEVEL: F-B ~~C-D~~ = 1.3 FEET

E: WELL VOLUME: ~~D~~ E * 0.1636 = 0.21 GALLONS

F: DEPTH OF WELL AS MEASURED: 11.6 FEET

G: pH OF SAMPLE: 6.51 pH 15.2°C

H: pH METER CALIBRATED? YES [✓] NO [ ]

I: SAMPLES OBTAINED:

1 - TOTAL METALS, 1 - TOTAL CHLORIDES, 2 - VOA's

J: WEATHER CONDITIONS: Partly Cloudy 65°F

K: SAMPLER(S): Zack Robison

L: COMMENTS: * Orange/Brown in Color

Serial_No:10091711:48

Attachment II-C

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Attachment II-B
Well Purging / Sampling Data

WELL D-55:

WELL PURGING DATA: DATE: 9/21/17
START TIME: 1105 FINISH TIME: 1125
Serial_No:10091711:48

A: MP ELEVATION 469.45 FEET
B: DEPTH TO WATER: 36.6 FEET
C: DEPTH OF WELL INSTALLED: 422.40
D: STATIC WATER LEVEL: F-B ~~C-D~~ = ZSR 7.2 (10.6) FEET
E: WELL VOLUME: ~~D~~ E * 0.1636 = (1.73) 1.18 GALLONS × 3 = ~~3.53~~ (5.19) gallons
F: DEPTH OF WELL AS MEASURED: ZSR 9/21/17 ~~43.8~~ (47.2) FEET

~ 5 gallons purged

WELL SAMPLING DATA: DATE: 9/22/17

START TIME: 0945 FINISH TIME: 0955
A: MP ELEVATION 469.45 FEET
B: DEPTH TO WATER: 36.7 FEET
C: DEPTH OF WELL INSTALLED: 422.40
D: STATIC WATER LEVEL: F-B ~~C-D~~ = 10.5 FEET
E: WELL VOLUME: ~~D~~ E * 0.1636 = 1.72 GALLONS
F: DEPTH OF WELL AS MEASURED: 47.2 FEET
G: pH OF SAMPLE: 7.31 pH 12.7°C
H: pH METER CALIBRATED? YES [✓] NO [ ]
I: SAMPLES OBTAINED:
1 - TOTAL METALS, 1 - TOTAL CHLORIDES, 2 - VOA's
J: WEATHER CONDITIONS: Partly Cloudy 67°F

K: SAMPLER(S): Zack Robison

L: COMMENTS:
(still covers, just not secure)
- Well Cover Hinge Rusted off, No Cap/Plug
- Water between Well (Riser) and outer casing.
- Bailer Missing then found at bottom of well (Broke off string), Purge Data Recalculated.
* Clear in Color

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Well Purging / Sampling Data

WELL VDM-12

WELL PURGING DATA: DATE: 9/21/17

START TIME: 0920 FINISH TIME: _____ Serial_No:10091711:48

A: MP ELEVATION 451.52 FEET

B: DEPTH TO WATER: _____ FEET

C: DEPTH OF WELL INSTALLED: 436.10

D: STATIC WATER LEVEL: F-B ~~C - D~~ = _____ FEET

E: WELL VOLUME: ~~D~~ E * 0.1636 = _____ GALLONS

F: DEPTH OF WELL AS MEASURED: 13.3 FEET

WELL SAMPLING DATA: * Well Dry (Not Sampled or Purged) DATE: _____

START TIME: _____ FINISH TIME: _____

A: MP ELEVATION 451.52 FEET

B: DEPTH TO WATER: _____ FEET

C: DEPTH OF WELL INSTALLED: 436.10

D: STATIC WATER LEVEL: C - D = _____ FEET

E: WELL VOLUME: E * 0.1636 = _____ GALLONS

F: DEPTH OF WELL AS MEASURED: 13.3 FEET

G: pH OF SAMPLE: _____ pH

H: pH METER CALIBRATED? YES [ ] N[ ] [ ]

I: SAMPLES OBTAINED:

1 - TOTAL METALS, 1 - TOTAL CHLORIDES, 2 - VOA's

J: WEATHER CONDITIONS: _____

K: SAMPLER(S): Zack Robison

L: COMMENTS: * Well Dry (Not purged or sampled)

- Clay Bottom and clay between Inner well (Riser) and outer casing.
- Slight Bend/obstruction in well (Riser) (can get past easily)

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Groundwater Monitoring System Inspection Plan and Form

A. Inspections of the groundwater monitoring system shall be performed on a semi-annual basis to conform with the post-closure monitoring schedule. Personnel trained in groundwater sampling, collection and sample preservation techniques will be used. The inspection form located below or an equivalent form shall be used. The original inspection forms shall be maintained by the permittee in an inspection log book or file for the full term of the post-closure care period. Copies of the inspections shall be submitted with the semi-annual monitoring reports.

B. The well inspection will include visual inspection of the security cap and lock, condition of the surface grout, and the condition of the inner casing and cap. During well purging , the relative rate of recharge should be noted for comparison with the previous data to insure that the well screen is not plugged. Also during purging and sampling, the integrity of the well shall be inspected by measuring the total well depth and noting the presence of any obstructions such as casing bends, foreign objects or siltation. The measured well depth shall be compared to the "as built" well depth.

C. If it becomes apparent that a well is not capable of providing representative samples, the permittee shall respond in accordance with **Condition E.1** of this permit Module.

Landfill/Groundwater Monitoring System Inspection Form

1.	Is the integrity of the cover and ditch lining satisfactory?	(YES)	NO
1.1	Any sink holes or depressions	YES	(NO)
1.2	Significant erosion of the banks.	YES	(NO)
1.3	Any visible problems.	YES	(NO)
2.	Is the integrity of the vegetative cover satisfactory?	(YES)	NO
2.1	Is the grass healthy looking?	(YES)	NO
2.2	Are there any bare spots?	YES	(NO)
2.3	Is the grass less than 8" tall?	(YES)	NO
2.4	Are there trees or bushes growing in the cover?	(YES)	NO
3.	Is drainage from the site satisfactory?	(YES)	NO
3.1	Is there any ponding or puddling?	YES	(NO)
4.	Is the fence surrounding the site secure?	(YES)	NO

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4.1	Any holes or damage?	YES	(NO)
4.2	Signs in place every 50'? * lettering worn off	(YES)	NO
4.3	Accessible entry to the site?	(YES)	NO
4.4	Property "Posted Signs" visible and in tact?	(YES)	NO
5.	Are all of the covers on the monitoring wells locked?	(YES)	NO
5.1	Caps on all of the risers? * Still Covers well (Just can't secure)	YES	(NO)
6.	Is there any iron staining in the drainage ditch?	YES	(NO)
7.	Are their any visible seeps in the cliff face?	YES	(NO)
8.	Are the wells in good condition? * D-55 Cap Hinge Rusted off & No Cap/Plug (Water in between well & casing)	YES	(NO)
8.1	Any damage to the outer casing?	YES	(NO)
8.2	Obstructions in the riser?	YES	(NO)
8.3	Excessive sediment buildup in any wells?	YES	(NO)

Serial_No:10091711:48

Name of inspector: Zachary J. Robison (Alpha Analytical)

Signature: Zachary J. Robison Date: 9/21/17

Attachment II-D

Laboratory QA/QC Deliverables

COMPONENTS REQUIRED FOR RCRA ANALYTICAL DATA SUBMITTED TO NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION