Stauffer Management Company

MAESTRI SITE
904 State Fair Boulevard
Geddes, NY
NYSDEC Site: 7-34-025

PERIODIC REVIEW REPORT

January 2015

Prepared for:

Stauffer Management Company
1800 Concord Pike
Wilmington, DE 19850-5437

Prepared by:

349 Northern Blvd. Suite 3
Albany, NY 12204

Envirospec Engineering Project E12-621

Table of Contents

Figures

Tables

Appendix A

Appendix B

1.0 Maestri Site Certification

Maestri Site, Site Number 7-34-025
Town of Geddes, New York

Based on my review of the Periodic Review Report and my own observations and the observations of my staff while inspecting the site, I hereby certify on behalf of Stauffer Management Company LLC (SMC) that the site is compliant with the Site Management Plan.

- At the time of the inspection, the on-site institutional and engineering controls (ICs/ECs) are performing as designed and nothing has occurred that would impair the ability of the controls to continue to be protective of public health and environment.
- At the time of the inspection, nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan.
- Access to the site continues to be available to the site to evaluate the controls.
- The requirements of the Site Monitoring Plan are being met.
- The ICs and ECs identified for the site remain necessary for the continued effectiveness and protectiveness of the remedy.
- The Periodic Review Report and attachments (or the inspections/evaluations necessary to make this certification) were prepared under my direction and reviewed by me.

To the best of my knowledge, the conclusions described in this certification are in accordance with the requirements of the Site Management Plan and generally accepted engineering practices and the information presented is accurate and complete. Changes to the site conditions, discovery of undisclosed information, or changes in activities at this site since the last inspection may render this certification invalid. This report has been prepared solely for the use of Stauffer Management Company at the Maestri Site for compliance with NYSDEC required closure reporting protocols. Reliance by others is strictly prohibited. All assumptions, clarifications, observations, and representations stated in this report apply to this certification.

Signature

081422, New York
Professional Engineer Registration Number & State

Gianna M. Aiezza
Name

Principal Engineer
Title

Envirospec Engineering, PLLC
Company

1/13/15
Date

2.0 Introduction

Envirospec Engineering, PLLC (Envirospec) has prepared this Periodic Review Report (PRR) on behalf of Stauffer Management Company LLC (SMC) for the Maestri Site (Site), located in Geddes, NY. The purpose of this report is to summarize compliance with the Site Management Plan (SMP) and to provide the status of the Site Institutional Controls and Engineering Controls (ICs/ECs) for Periodic Review year 2014.

The Site has been remediated by SMC under Order on Consent Index # A7-0226-90-03 with the New York State Department of Environmental Conservation (NYSDEC). In the 1970s, drums containing industrial waste were allegedly buried at the Site. In 1987, the Site owner, Mr. Bert Maestri, reportedly excavated soil and drums from an area of the Site, leading to investigations to evaluate the environmental effects of the former waste disposal area. A combination of Soil Vapor Extraction (SVE) and biological treatment was chosen as the remedial technology for soil at the Site and a groundwater treatment system was constructed to remediate groundwater. The remedial action work began at the Site in June 1996 and was completed in May 2008. A SMP was approved by NYSDEC in August 2010 and a Declaration of Covenants and Restrictions is currently in place. Since remaining residual soil and groundwater contamination are present at the Site, ICs and ECs have been implemented on the site to protect public health and the environment for the applicable future use. The effectiveness of the site IC/EC implementation and maintenance in 2014 is discussed throughout this report.

3.0 Site Overview

The Site is located at 904 State Fair Boulevard, Geddes, NY, approximately three (3) miles west of Syracuse. The portion of the Site that is still actively monitored is approximately 2.5 acres. The Site is bordered by State Fair Boulevard to the southwest and residences along Alhan Parkway to the northeast. Vacant, wooded lots border the Site to the northwest and the southeast. This area is fenced as shown in Figure 1.

3.1 Soil Remediation

Investigation into the extent of the environmental impacts at the Site began in 1987. NYSDEC listed the Site on the NYS Registry of Inactive Hazardous Waste Disposal Sites as site #7-34-025 the same year. SMC conducted a remedial investigation and feasibility study to determine the nature and extent of contamination and to select a remedial technology for the site. A combination of SVE and biological treatment was chosen as the most cost-effective remedy that was protective of human health and the environment. A Record of Decision (ROD) to complete

soil remediation at the Site was signed in March 1995.

Soil remediation activities began in June 1996 with the excavation of over 10,000 cubic yards of soil and the construction of five (5) above grade biopiles for treatment of volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) with a SVE / bioremediation system. By September 1999, the last of the excavated material met the requirements of the ROD and was returned to the site excavation, with the Site re-graded and seeded in October 1999. Soil Remedial Action Objectives are provided in Table 1.

3.2 Groundwater Remediation

A groundwater treatment system was constructed on-site in 1992 and operated until 2008. The system treated water from six (6) recovery wells, water collected from the soil excavation, and leachate accumulated from the biopiles during remedial activities. The water was treated with particulate filtration and carbon adsorption and was discharged under a State Pollution Discharge Elimination System (SPDES) equivalent permit to a storm sewer which discharged to Onondaga Lake. The groundwater treatment system was shut down in May 2008 after it had achieved remedial goals outlined in the ROD which required continued operation of the groundwater collection and treatment system with an annual evaluation until concentration of Site contaminants could no longer be effectively removed or cleanup objectives were met. In order to address remaining groundwater contamination and to enhance groundwater remediation, a series of chemical oxidation events were completed in 2001, 2002, and 2004. Groundwater Remedial Action Objectives are provided in Table 2.

4.0 Institutional Controls and Engineering Controls

The SMP lists ICs and ECs to manage remaining contamination at the Site after completion of the Remedial Action and to protect human health and the environment for the applicable future use. The ICs and ECs are designed to prevent the following:

- Ingestion/direct contact with contaminated soil,
- Inhalation of or exposure to contaminants volatilizing from contaminated soil,
- Ingestion of groundwater with contaminant levels that exceed drinking water standards,
- Contact with or inhalation of volatiles from contaminated groundwater,
- Contaminated groundwater from migrating off-site, and
- Migration of contaminants that would result in off-site groundwater or surface water contaminants.

The Site has the following ECs:

1. Maintenance of the soil cover over the soil redeposition areas, consisting of three (3) inches of loam, six (6) inches of top soil, and grass.
2. Continuous monitoring of groundwater.

The Site has the following ICs:

1. Compliance with the established Declaration of Covenants and Restrictions with all elements of the SMP.
2. Engineering Controls must be operated and maintained as specified in the SMP;
3. Engineering Controls on the Controlled Property must be inspected and certified at a frequency and in a manner defined in the SMP.
4. Groundwater monitoring must be performed as defined in the SMP.
5. Data and information pertinent to Site Management for the Controlled Property must be reported at the frequency and in a manner defined in the SMP.
6. On-site environmental monitoring devices, including but not limited to, groundwater monitoring wells must be protected and replaced as necessary to ensure the devices function in the manner specified in the SMP.

Additionally, the Declaration of Covenants and Restrictions has placed the following restrictions on the property:

1. Vegetable gardens and farming on the property are prohibited;
2. Use of groundwater underlying the property is prohibited without treatment rendering it safe for the intended use as approved by NYSDOH;
3. The topsoil cover over the excavated areas acts as a cover system at the Controlled Property. Disturbance and incidental damage to this cover system shall be repaired upon discovery in a manner that complies with the SMP.
4. All future activities on the property that would disturb remaining contaminated material must be conducted in accordance with the Excavation Plan included in the SMP;
5. The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be mitigated;
6. The property may be used for residential use with restricted groundwater use, provided that the long-term ICs and ECs described in the SMP are employed and land zoning regulations are followed.

4.1 Effectiveness of Institutional Controls and Engineering Controls

The ICs and ECs specified in the SMP are in place and effective in protecting human health and the environment. They are capable of preventing exposure of remaining contamination to humans and the environment and prevent migration of contaminants off-site. In 2014, the ECs were operated and maintained as specified in the SMP. The soil cover was maintained and the quality and integrity of the cover was inspected semi-annually in 2014 as specified in the SMP. The 2014 site inspection reports are provided in Appendix A. The groundwater monitoring continued semi-annually in 2014 as specified in the SMP. The results of the groundwater monitoring are discussed in Section 4.2.

In addition to the ICs and ECs, a fence and locked gates prevent access to the Site.

4.2 Attaining Remedial Goals

Groundwater monitoring is in place to ensure that residual groundwater contamination is not migrating off-site and to analyze the remaining levels of contamination in the groundwater, which is required for compliance with remedial goals. Of the ten (10) wells that are sampled at the site, five (5) were non-detect for xylene during the October 2014 sampling event. Xylene concentrations remain consistent with historical data patterns.

Offsite monitoring well PZ-21 had a xylene concentration of 3.5 ppb during the June 2014 sampling event, but has returned to non-detect concentrations during the October 2014 sampling event, consistent with historical sampling events. The 3.5 ppb xylene concentration did not exceed the groundwater cleanup objective of 5 ppb for xylene. Offsite well PZ-20 remained non-detect. The offsite well PZ-21 will continue to be monitored to ensure that the plume does not migrate.

Appendix B contains a table with historical results from the past five (5) years, a summary of the results of groundwater monitoring, including a drawing with the locations of the monitoring wells and their concentrations from the past six (6) sampling events, and graphical representations of xylene levels in wells. Groundwater sampling reports have been previously submitted and contain additional discussion of groundwater concentrations at the site.

4.3 Annual Site Inspection Results

The results from the annual site inspection show that the soil cover remains in place and intact and that the ICs and ECs continue to protect public health and the environment. The on-site ICs and ECs remain in place and effective, are performing as designed, and have not been impaired in their ability to protect human health and the environment. The Site is still accessible to evaluate the Site ICs and ECs. The Site continues to be compliant with the established

Declaration of Covenants and Restrictions. The site inspection reports can be found in Appendix A.

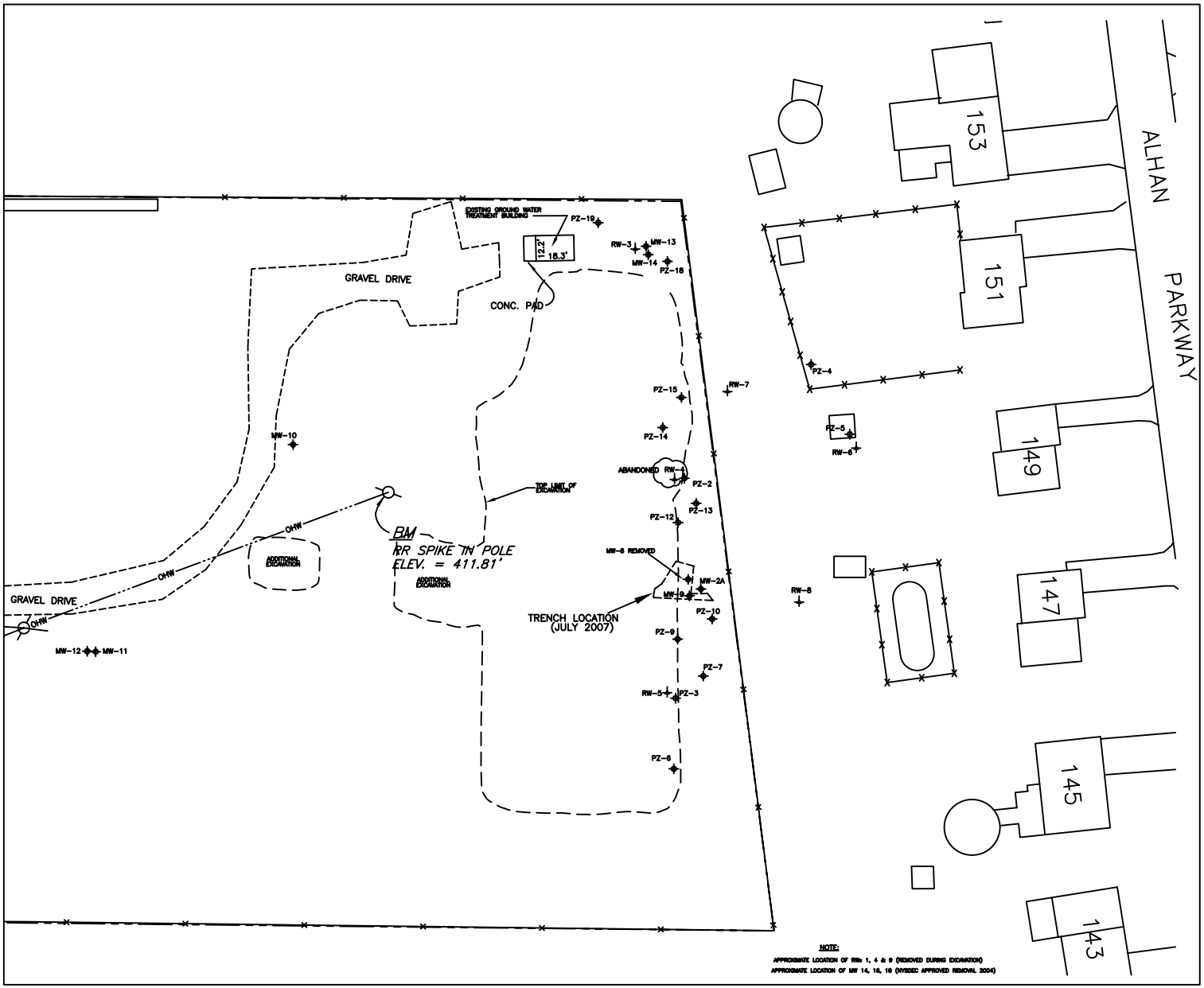
5.0 Summary of Site Evaluation

The Site is compliant with the ROD, as the soil contamination was treated; treated soil was redeposited and covered with a soil cover; the groundwater treatment plant was operated until the contaminants were no longer able to be effectively removed or cleanup objectives were met; and monitoring of the soil treatment and groundwater continues to ensure compliance with cleanup objectives.

The remaining Site contamination in groundwater is consistent with levels present prior to shutdown of the groundwater treatment system, as shown in the groundwater sampling report summaries attached in Appendix B. The Site remedy and the SMP are effective in complying with cleanup objectives and continue to result in the Site being protective of public health and the environment.

FIGURES

IMAGE	X-REF	OFFICE	DRAWN BY	REVISED	APPROVED BY	DRAWING NUMBER
---	---	ALB	DEO 7-19-99	MRW 07/07/08	---	SUMJUL99



STAUFFER
MANAGEMENT COMPANY
BASE MAP PROVIDED BY IT CORPORATION
SURVEY BY CT MALE

FIGURE 1
SITE PLAN
2008
MAESTRI SITE
904 STATE FAIR BLVD.
GEDDES, NEW YORK

TABLES

Table 1: Site Soil Remedial Action Objectives

Parameter	Soil Clean-up Objective (mg/kg, dry weight)
Volatile Organic Compounds (VOCs)	
Benzene	0.06
Ethylbenzene	5.5
t-1,2-dichloroethylene	0.3
Tetrachloroethylene	1.4
Toluene	1.5
Xylene	1.2
Total VOCs	10
Semi-Volatile Compounds (SVOCs)	
Benzoic acid	2.7
2-methylphenol	0.1
4-methylphenol	0.9
Total SVOCs	500

Table 2: Groundwater Remedial Action Objectives

Parameter	Groundwater Clean-up Objective (ug/l)
Volatile Organic Compounds (VOCs)	
Benzene	5
Ethylbenzene	5
t-1,2-dichloroethylene	5
Tetrachloroethylene	5
Toluene	5
Xylene	5
Total VOCs	100
Semi-Volatile Compounds (SVOCs)	
Benzoic acid	5
2-methylphenol	50
4-methylphenol	50

APPENDIX A

envirospec ENGINEERING, PLLC
349 Northern Blvd. Suite 3
Albany, NY 12204
Phone: 518.453.2203
Fax: 518.689.4800

Date: 06-02-2014
Time: 11:15

Site Inspection Report

Weather	Temperature
Sunny	High 74 °F Low 52 °F

Client	Stauffer Management Company LLC	Project No.	E12-621
Location	Maestri Site, 904 State Fair Blvd, Geddes, NY	Inspected By:	Emanuel Hernandez

Please note any deficiencies, issues, or actions taken at the bottom of the page or on continuation pages

Site Security	*Circle one*			Comments/Action Required
1. Was gate closed and locked when arriving at site?	(Y)	N	NA	
2. Are there any holes or breaks in the fencing?	Y	(N)	NA	
3. Was the door to the treatment shed locked?	(Y)	N	NA	
4. Is the back gate closed and locked?	(Y)	N	NA	
5. Are there any signs of vandalism or unauthorized entry (odd tire tracks, damage to fence, strange debris [bottles, cans, etc])?	Y	(N)	NA	
5a. If so, explain below and notify SMC and Envirospec immediately				
Wells				
6. Are wells intact? *(except PZ-10 which has been damaged)*	(Y)	N	NA	
7. Are all wells covered (with lid or cap)? *(except wells noted below)*	(Y)	N	NA	
8. Are all wells locked? *(except wells noted below)*	(Y)	N	NA	
Site Maintenance				
9. Is there any garbage or debris? If so, please remove/discard.	(Y)	N	NA	
10. Is there visible dust?	Y	(N)	NA	
11. Does the grass need to be mowed?	(Y)	N	NA	Entire site
12. Do any areas need to be weeded or shrub cleared?	(Y)	N	NA	Perimeter of property (fence)
13. Are there any bald spots in grassy areas?	Y	(N)	NA	
14. Are the access roads clear?	(Y)	N	NA	
15. Do any areas (site roads or access to wells) need to be plowed?	Y	(N)	NA	
16. Are there any sink holes throughout the site?	Y	(N)	NA	
17. Any odors onsite?	Y	(N)	NA	
18. Are site signs still up and visible?	(Y)	N	NA	
Erosion Control				
19. Is silt fence still intact and upright?	Y	N	(NA)	
19a. If areas need repair or erosion control installed, indicate below and contact Abscope for repairs.				
20. Is there any evidence of runoff? (i.e. water flow paths on ground)	Y	(N)	NA	
21. Is there any standing, ponded, or pools of water?	Y	(N)	NA	
22. Are there any signs of runoff at the northeast corner? *(stone area)*	Y	(N)	NA	
23. Is there currently any surface water runoff?	Y	(N)	NA	
23a. If so, describe where, approximate flow, and appearance of water below.				
Treatment System				
24. Are the breakers for the pumps still in the off position?	(Y)	N	NA	
25. Does effluent totalizer on the wall for still read 2846902?	Y	(N)	NA	2851315
25a. If not, contact Envirospec or SMC immediately and check that effluent valve is closed. *Still pumping from RW 5, 6 and 8.*				
26. Are all critical valves in the closed position?	(Y)	N	NA	
27. Are there any system status alarms on the computer?	Y	N	(NA)	
27a. If so, describe below how they have been handled. *(this does not include well level alarms)*				
28. Are all flow values on computer "zero"?	Y	N	(NA)	
("Flow to sewer," "Tot flow to sewer," "tot daily flow," and "TGAL" for each well should each be "zero")				
28. Check level of sump. Does sump need to be pumped out?	(Y)	N	NA	
29. List water level for each recovery well as shown on computer: (total depth of well is shown in brackets)				
RW-7 [27.5']	(N/A)	RW-5 [24.5']		(N/A)
RW-2 (not online)	(N/A)	RW-8 [24.5']		(N/A)
RW-3 [25.3']	(N/A)	RW-6 [21.8']		(N/A)
30. Are any recovery wells at close to overtopping? (ref total depth above)	Y	N	(NA)	
Upon leaving the site, check the following;				
31. Is the treatment shed locked?	(Y)	N	NA	
32. Were the gates closed and locked after leaving site?	(Y)	N	NA	

Note: Some wells cannot be locked including PZ-10, RW-3, RW-4, and RW-5.

Signature of Inspector:

Include General Site Observations and Follow-Up Actions on the Reverse

envirospec ENGINEERING, PLLC	349 Northern Blvd. Suite 3 Albany, NY 12204 Phone: 518.453.2203 Fax: 518.689.4800	Date:	06-02-2014
		Time:	11:15
Site Inspection Report ***Continuation Page(s)***		Page 2 of 2	
Client	Stauffer Management Company LLC	Project No.	E12-621
Location	Maestri Site, 904 State Fair Blvd, Geddes, NY	Inspected By:	Emanuel Hernandez

General Site Observations:

1) Grass is high. The Site needs to be mowed.

2) Flow totalizer at 2851315. Could be because we have been pumping out of RW-5, 6 and 8 and Everett set up a new way of doing that (w/ red cable on each well breaker). The new way of pumping could affect the totalizer.

3) On-site well observation: No lock on PZ-9, Broken well cap and bent casing on PZ-10, Wrong label on PZ-13, No well plug on PZ-18, No well cap on RW-3.

Follow-up: *Indicate actions required, person(s) contacted, and dates for completion*

1) Site needs to be mowed.

2) Abscope has been contacted to perform these activities at the Site.

envirospec ENGINEERING, PLLC
349 Northern Blvd. Suite 3
Albany, NY 12204
Phone: 518.453.2203
Fax: 518.689.4800

Date: 10-21-2014
Time: 0900

Site Inspection Report

Weather	Temperature
Overcast	High 55°F Low 48°F

Client	Stauffer Management Company LLC	Project No.	E12-621
Location	Maestri Site, 904 State Fair Blvd, Geddes, NY	Inspected By:	Travis Edgington

Please note any deficiencies, issues, or actions taken at the bottom of the page or on continuation pages

Site Security	*Circle one*			Comments/Action Required
1. Was gate closed and locked when arriving at site?	(Y)	N	NA	
2. Are there any holes or breaks in the fencing?	Y	(N)	NA	
3. Was the door to the treatment shed locked?	(Y)	N	NA	
4. Is the back gate closed and locked?	(Y)	N	NA	
5. Are there any signs of vandalism or unauthorized entry (odd tire tracks, damage to fence, strange debris [bottles, cans, etc])?	Y	(N)	NA	
5a. If so, explain below and notify SMC and Envirospec immediately				
Wells				
6. Are wells intact? *(except PZ-10 which has been damaged)*	(Y)	N	NA	
7. Are all wells covered (with lid or cap)? *(except wells noted below)*	(Y)	N	NA	
8. Are all wells locked? *(except wells noted below)*	(Y)	N	NA	
Site Maintenance				
9. Is there any garbage or debris? If so, please remove/discard.	(Y)	N	NA	
10. Is there visible dust?	Y	(N)	NA	
11. Does the grass need to be mowed?	Y	(N)	NA	
12. Do any areas need to be weeded or shrub cleared?	Y	(N)	NA	Perimeter of property (fence)
13. Are there any bald spots in grassy areas?	Y	(N)	NA	
14. Are the access roads clear?	(Y)	N	NA	
15. Do any areas (site roads or access to wells) need to be plowed?	Y	(N)	NA	
16. Are there any sink holes throughout the site?	Y	(N)	NA	
17. Any odors onsite?	Y	(N)	NA	
18. Are site signs still up and visible?	(Y)	N	NA	
Erosion Control				
19. Is silt fence still intact and upright?	Y	N	(NA)	
19a. If areas need repair or erosion control installed, indicate below and contact Abscope for repairs.				
20. Is there any evidence of runoff? (i.e. water flow paths on ground)	Y	(N)	NA	
21. Is there any standing, ponded, or pools of water?	Y	(N)	NA	
22. Are there any signs of runoff at the northeast corner? *(stone area)*	Y	(N)	NA	
23. Is there currently any surface water runoff?	Y	(N)	NA	
23a. If so, describe where, approximate flow, and appearance of water below.				
Treatment System				
24. Are the breakers for the pumps still in the off position?	(Y)	N	NA	
25. Does effluent totalizer on the wall for still read 2846902?	Y	(N)	NA	2851315
25a. If not, contact Envirospec or SMC immediately and check that effluent valve is closed. *Still pumping from RW 5, 6 and 8.*				
26. Are all critical valves in the closed position?	(Y)	N	NA	
27. Are there any system status alarms on the computer?	Y	N	(NA)	
27a. If so, describe below how they have been handled. *(this does not include well level alarms)*				
28. Are all flow values on computer "zero"?	Y	N	(NA)	
("Flow to sewer," "Tot flow to sewer," "tot daily flow," and "TGAL" for each well should each be "zero")				
28. Check level of sump. Does sump need to be pumped out?	Y	(N)	NA	
29. List water level for each recovery well as shown on computer: (total depth of well is shown in brackets)				
RW-7 [27.5']	(N/A)	RW-5 [24.5']		(N/A)
RW-2 (not online)	(N/A)	RW-8 [24.5']		(N/A)
RW-3 [25.3']	(N/A)	RW-6 [21.8']		(N/A)
30. Are any recovery wells at close to overtopping? (ref total depth above)	Y	N	(NA)	
Upon leaving the site, check the following;				
31. Is the treatment shed locked?	(Y)	N	NA	
32. Were the gates closed and locked after leaving site?	(Y)	N	NA	

Note: Some wells cannot be locked including PZ-10, RW-3, RW-4, and RW-5.

Signature of Inspector:

Travis Edgington

Include General Site Observations and Follow-Up Actions on the Reverse

envirospec ENGINEERING, PLLC	349 Northern Blvd. Suite 3 Albany, NY 12204 Phone: 518.453.2203 Fax: 518.689.4800	Date:	10-21-2014
		Time:	0945
Site Inspection Report ***Continuation Page(s)***		Page 2 of 2	
Client	Stauffer Management Company LLC	Project No.	E12-621
Location	Maestri Site, 904 State Fair Blvd, Geddes, NY	Inspected By:	Travis Edgington

General Site Observations:

1) Abscope mowed the Site in September.

Follow-up: *Indicate actions required, person(s) contacted, and dates for completion*

No follow-up action required.

Signature of Inspector: Travis Edgington

APPENDIX B

Summary of Total Xylene Concentrations (ppb)

Stauffer Management Company

Maestri Site

Sample Date	RW-1	RW-2[2]	RW-3	RW-4	RW-5	RW-6	RW-7	RW-8	MW-2A[2]	MW-9	PZ-4	PZ-20	PZ-21
Feb-09	**	****	<3.0	**	<3.0	590	<3.0 (< 3.0)	< 3.0	9.1	< 3.0	< 3.0	*****	******
Jun-09	**	****	<3.0	**	<3.0	641	23	< 3.0	4,635	7,830	< 3.0	<3.0	******
Dec-09	**	****	<3.0	**	<3.0	417	169	<3.0	5780	5,145	<3.0	<3.0	******
May-10	**	****	<3.0	**	<3.0	862	15	<3.0	100 (122)	190	<3.0	<3.0	******
Oct-10	**	****	<3.0	**	<3.0	168 (157)	71	<3.0	32	<3.0	<3.0	<3.0	******
Apr-11	**	****	<3.0	**	<3.0	208	66	<3.0	685	3,598 (3,220)	10	<3.0	******
Jun-11	**	****	NS	**	NS	906	7.7 (7.8)	NS	5352	9,337	<3.0	<3.0	******
Nov-11	**	****	<3.0	**	<3.0	749	<3.0	<3.0	1,560 (1980)	3.8	<3.0	<3.0	<3.0
Jun-12	**	****	< 3.0	**	< 3.0	622	41	< 3.0	230 (179)	5,370	< 3.0	< 3.0	< 3.0
Dec-12	**	****	< 3.0	**	13	511	145	7.2	2,903	NS (DRY)	< 3.0	< 3.0 (<3.0)	< 3.0
Jun-13	**	****	< 3.0	**	< 3.0	14	< 3.0	< 3.0	< 3.0	< 3.0 (<3.0)	4.1	< 3.0	< 3.0
Nov-13	**	****	< 3.0	**	< 3.0	418	91	< 3.0	2,722	7.0	4.9	< 3.0	< 3.0 (<3.0)
Jun-14	**	****	< 3.0	**	< 3.0 (<3.0)	770	8.0	< 3.0	2,800	4700	< 3.0	< 3.0	3.5
Oct-14	**	**	<1.0	**	<1.0	466 (470)	184.0	<1.0	825	145	7.1	<1.0	<1.0

Shaded boxes indciate result when treatment system was in operation
** - Wells No. 1 and 4 were removed as part of the excavation.
*** - Pump in Well 5 was moved to Well 8.
**** - RW2 changed to monitoring well MW-2A
*****- PZ-20 was installed on June 24, 2009
******- PZ-21 was installed on June 7, 2012
NS = Not Sampled.

[2] RW-2 was changed to a monitoring well (MW-2A) in April 2006
INC - Inconclusive laboratory result
Value in parenthesis is duplicate sample result

IMAGE	X-REF	OFFICE	DRAWN BY	REVISED		APPROVED BY	DRAWING NUMBER
---	---	ALB	DEO	EH	10/27/14	---	OCTOBER 2014
			7-19-99				

OCTOBER 2014

RW-3	
NOV 2011	< 3.0 PPB
JUN 2012	< 3.0 PPB
DEC 2012	< 3.0 PPB
JUN 2013	< 3.0 PPB
NOV 2013	< 3.0 PPB
JUN 2014	< 3.0 PPB
OCT 2014	< 3.0 PPB

PZ-20	
NOV 2011	< 3.0 PPB
JUN 2012	< 3.0 PPB
DEC 2012	< 3.0 PPB
JUN 2013	< 3.0 PPB
NOV 2013	< 3.0 PPB
JUN 2014	< 3.0 PPB
OCT 2014	< 3.0 PPB

PZ-21	
NOV 2011	< 3.0 PPB
JUN 2012	< 3.0 PPB
DEC 2012	< 3.0 PPB
JUN 2013	< 3.0 PPB
NOV 2013	< 3.0 PPB
JUN 2014	3.5 PPB
OCT 2014	< 3.0 PPB

RW-7	
NOV 2011	< 3.0 PPB
JUN 2012	41 PPB
DEC 2012	145 PPB
JUN 2013	< 3.0 PPB
NOV 2013	91 PPB
JUN 2014	8.0 PPB
OCT 2014	184 PPB

PZ-4	
NOV 2011	< 3.0 PPB
JUN 2012	< 3.0 PPB
DEC 2012	< 3.0 PPB
JUN 2013	4.1 PPB
NOV 2013	4.9 PPB
JUN 2014	< 3.0 PPB
OCT 2014	7.1 PPB

RW-6	
NOV 2011	749 PPB
JUN 2012	622 PPB
DEC 2012	511 PPB
JUN 2013	14 PPB
NOV 2013	418 PPB
JUN 2014	770 PPB
OCT 2014	466 PPB (470 PPB)

RW-8	
NOV 2011	< 3.0 PPB
JUN 2012	< 3.0 PPB
DEC 2012	7.2 PPB
JUN 2013	< 3.0 PPB
NOV 2013	< 3.0 PPB
JUN 2014	< 3.0 PPB
OCT 2014	< 3.0 PPB

MW-9	
NOV 2011	3.8 PPB
JUN 2012	5370 PPB
DEC 2012	NS (DRY)
JUN 2013	< 3.0 PPB
NOV 2013	7.0 PPB
JUN 2014	4,700 PPB
OCT 2014	145 PPB

MW-2A	
NOV 2011	1560 PPB
JUN 2012	230 PPB
DEC 2012	2903 PPB
JUN 2013	< 3.0 PPB
NOV 2013	2722 PPB
JUN 2014	2,800 PPB
OCT 2014	825 PPB

RW-5	
NOV 2011	< 3.0 PPB
JUN 2012	< 3.0 PPB
DEC 2012	13 PPB
JUN 2013	< 3.0 PPB
NOV 2013	< 3.0 PPB
JUN 2014	< 3.0 PPB
OCT 2014	< 3.0 PPB

ALHAN PARKWAY

GRAVEL DRIVE

EXISTING GROUND WATER TREATMENT BUILDING

CONC. PAD

12.2'

18.3'

OHW

BM
RR SPIKE IN POLE
ELEV. = 411.81'

MW-8 REMOVED

NOTE:
APPROXIMATE LOCATION OF RWs 1, 4 & 9 (REMOVED DURING EXCAVATION)
APPROXIMATE LOCATION OF MW 14, 16, 18 (NYSDEC APPROVED REMOVAL 2004)

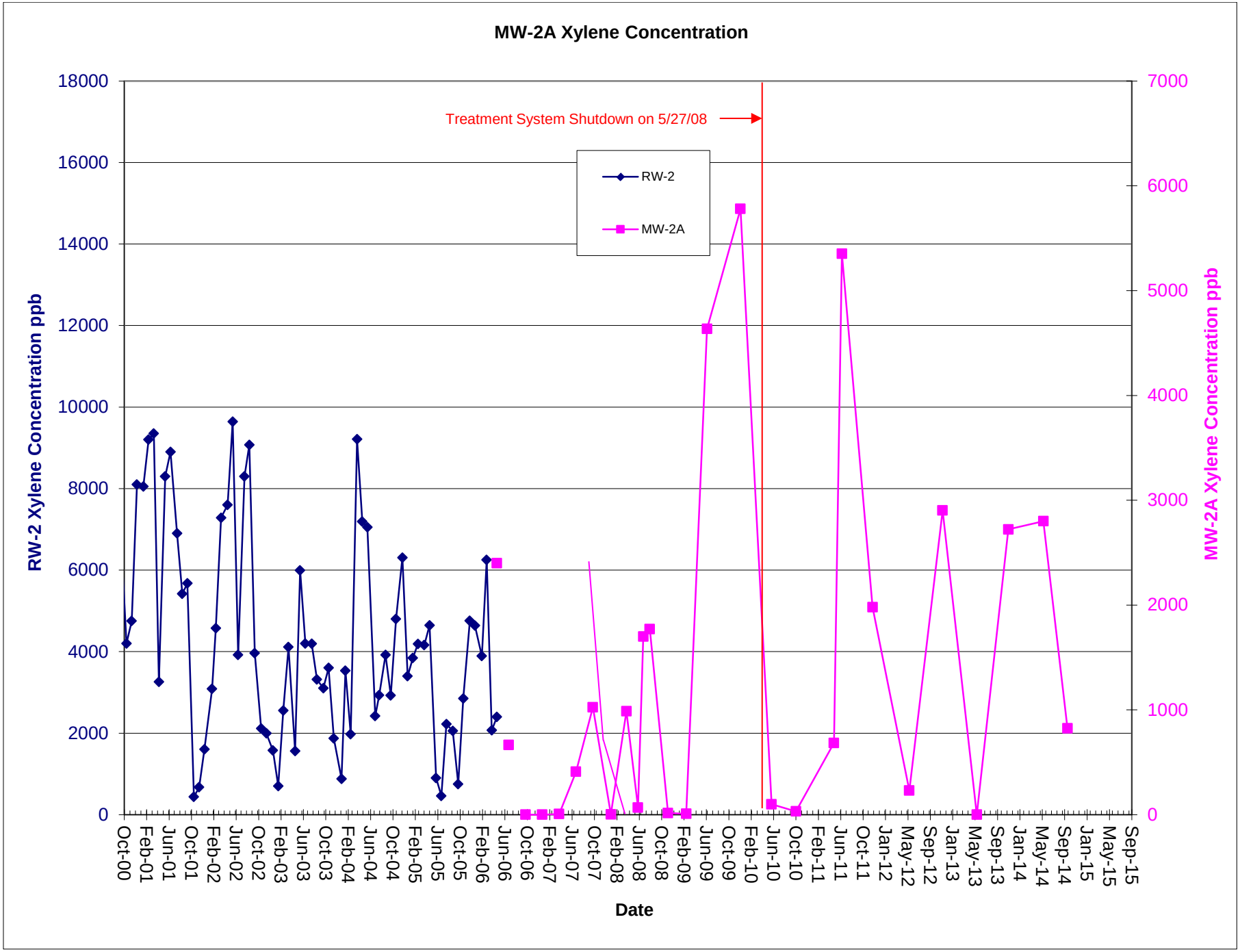
LEGEND

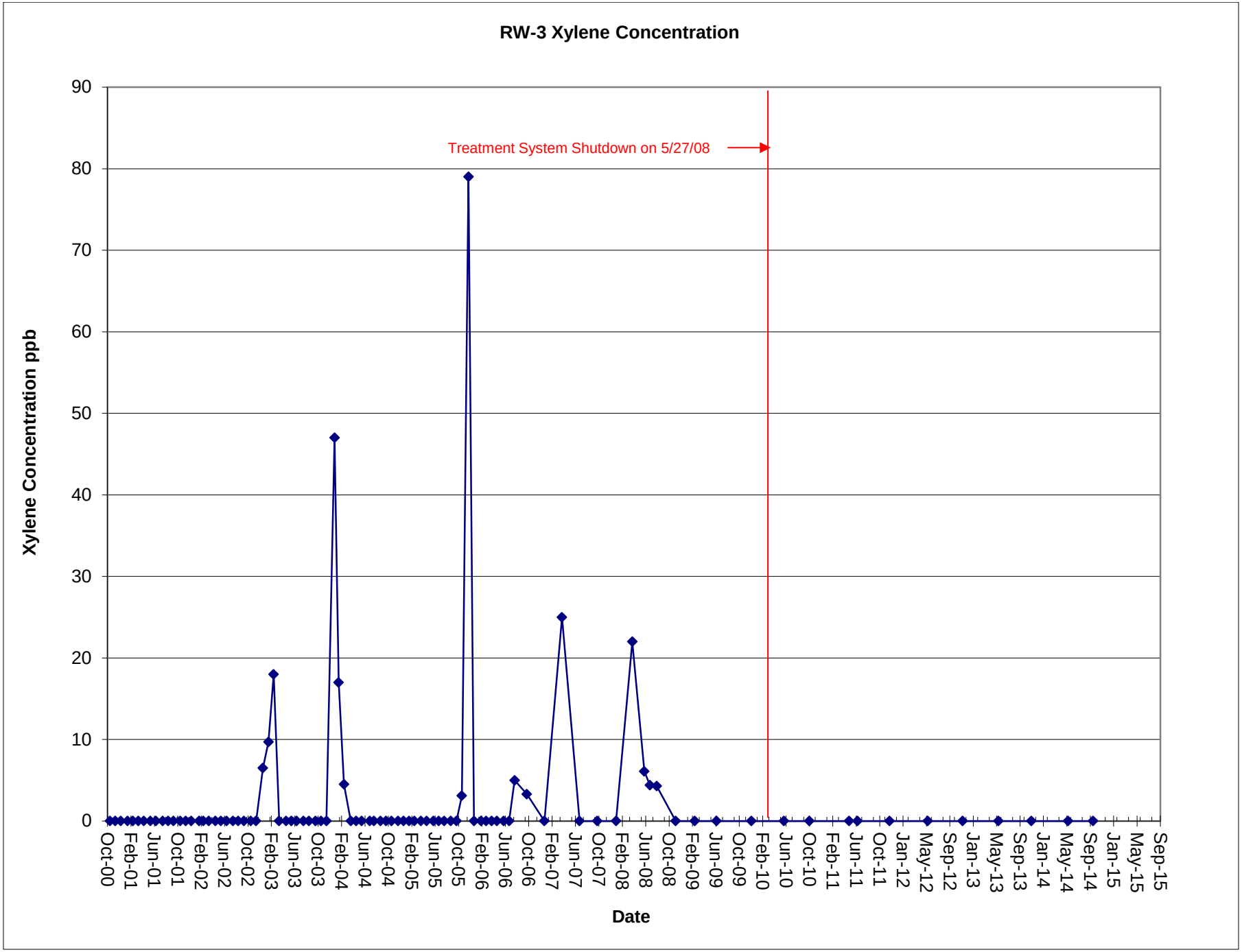
- MONITORING WELL
- RECOVERY WELL
- PIEZOMETER
- MAESTRI SITE PROPERTY BOUNDARY
- 8' HIGH SECURITY FENCE
- ELECTRIC POLE

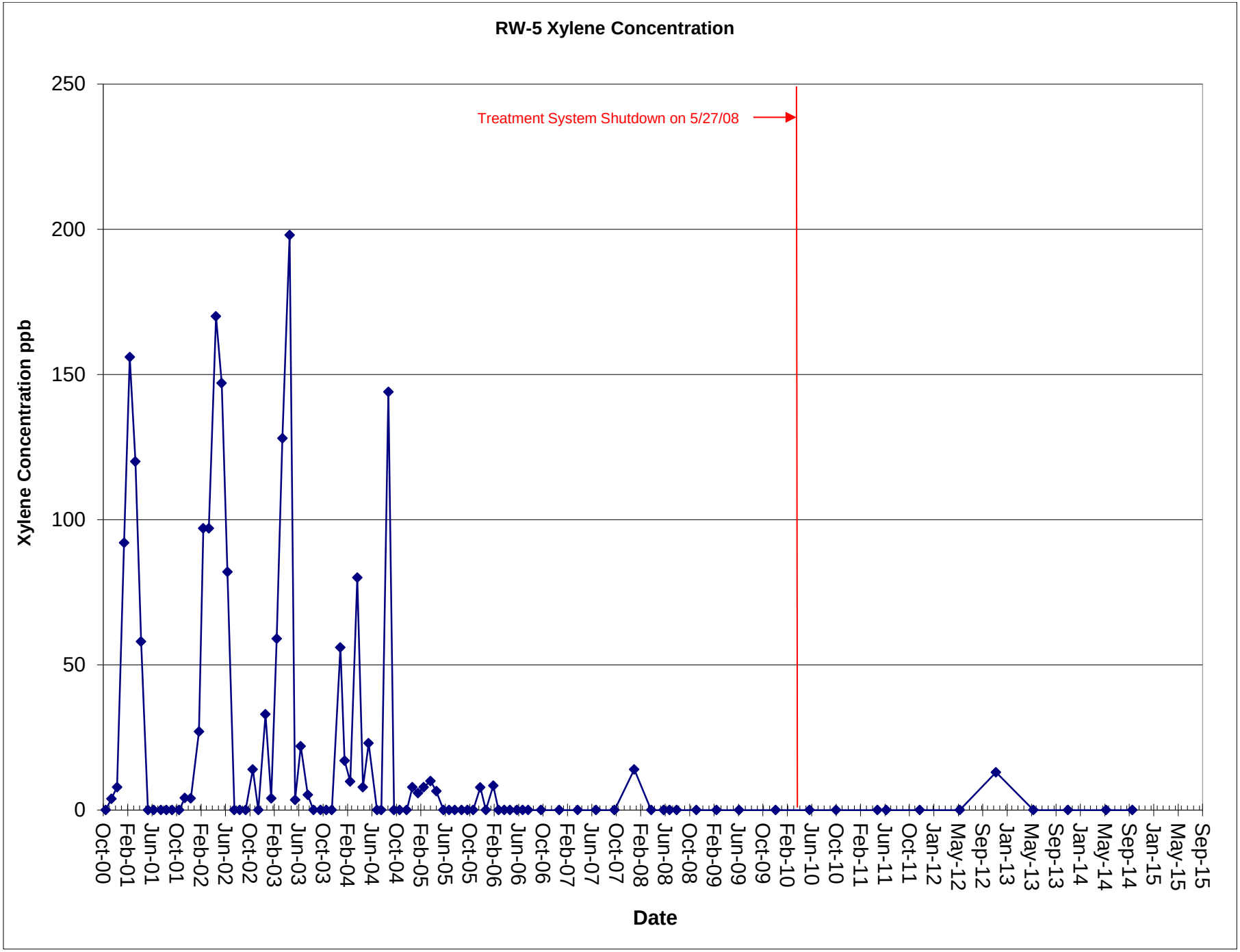
SCALE
0 30 60 90 FEET

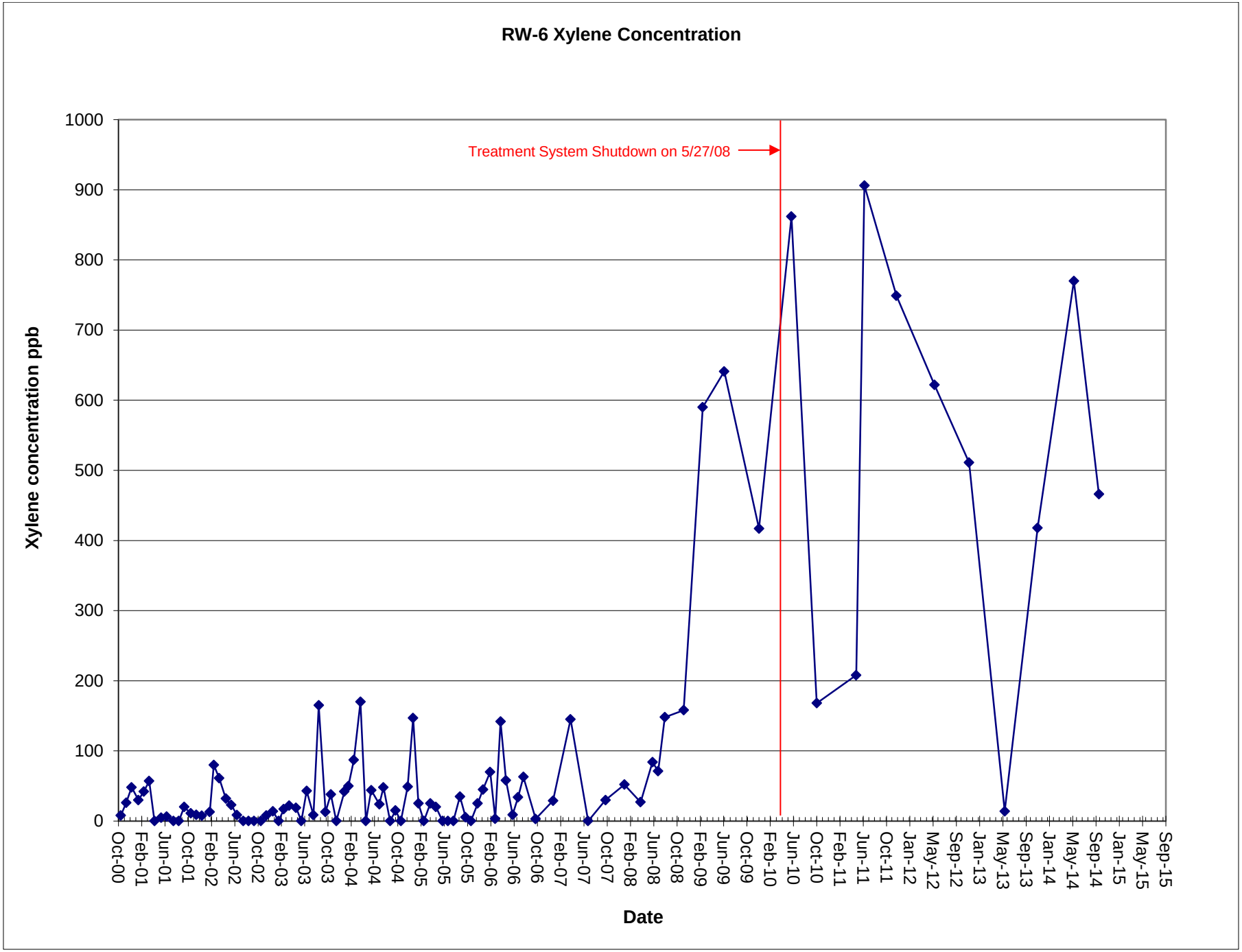
CLIENT
STAUFFER
MANAGEMENT COMPANY
BASE MAP PROVIDED BY IT CORPORATION
SURVEY BY CT MALE

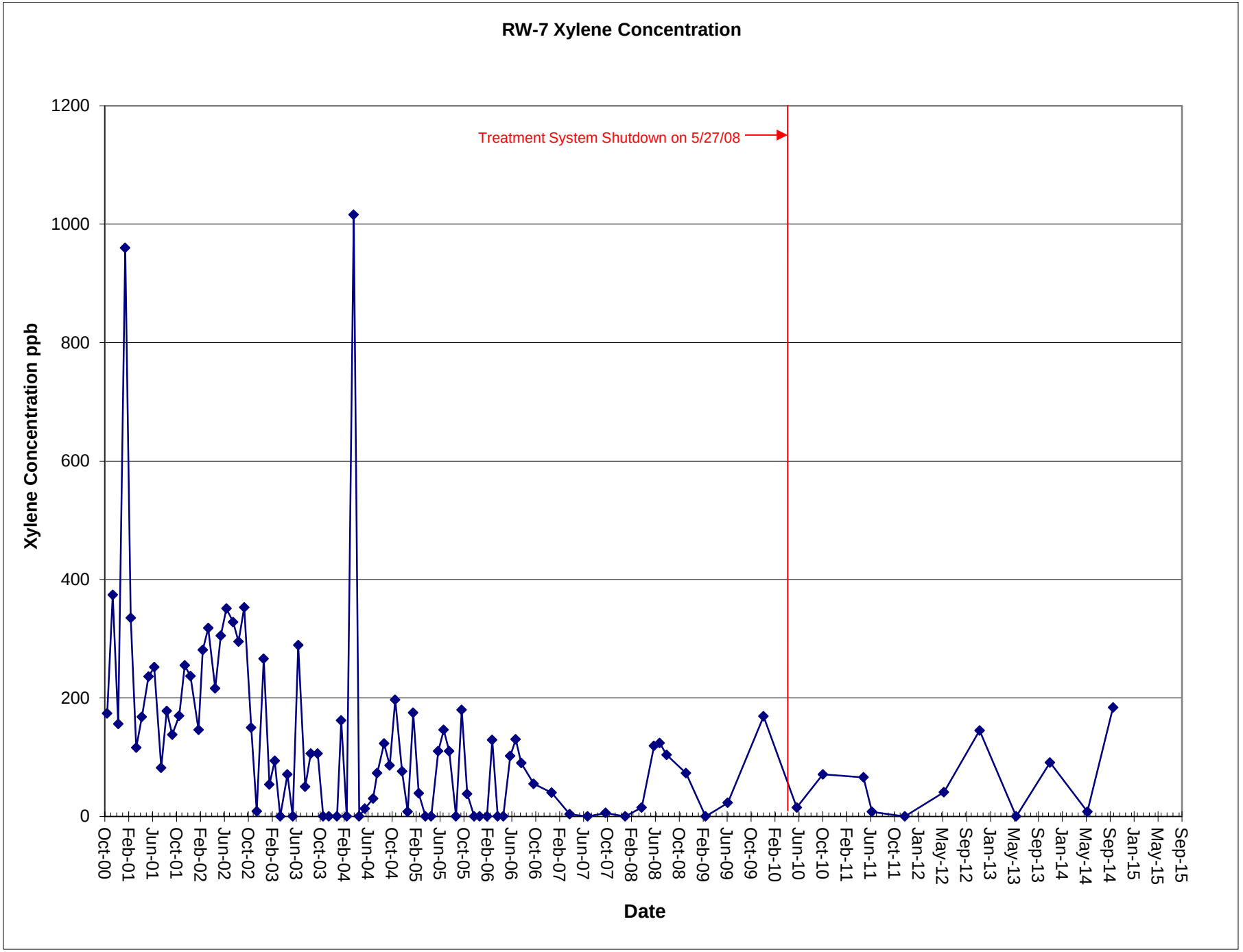
FIGURE 2B
GROUNDWATER CONTOURS
WITH XYLENE CONCENTRATION SUMMARY
MAESTRI SITE–OCTOBER 2014
904 STATE FAIR BLVD.
GEDDES, NEW YORK

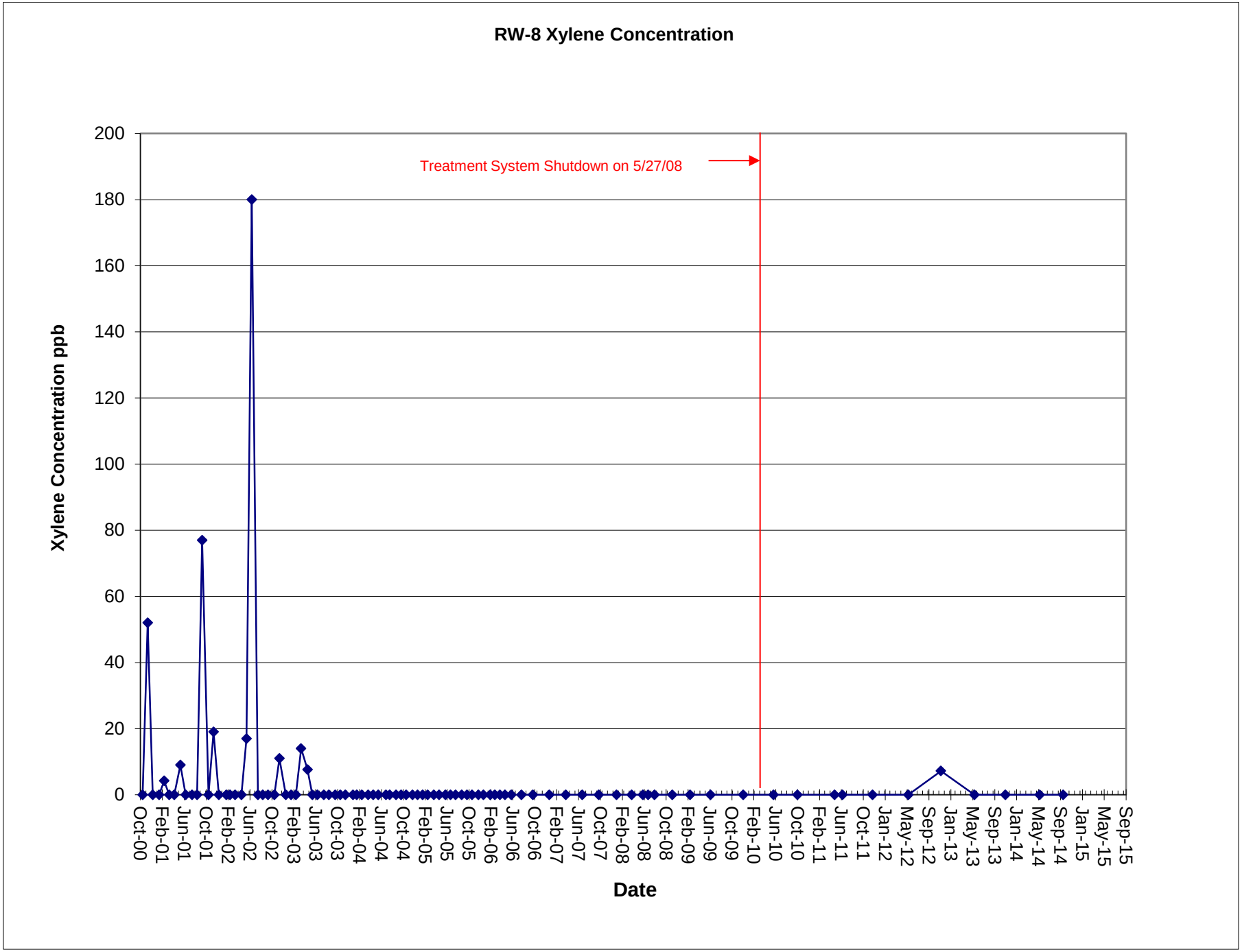

MW-2A Xylene Concentration
Treatment System Shutdown on 5/27/08
RW-2
MW-2A
RW-2 Xylene Concentration ppb
MW-2A Xylene Concentration ppb
Date
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
7000
6000
5000
4000
3000
2000
1000
0
Oct-00
Feb-01
Jun-01
Oct-01
Feb-02
Jun-02
Oct-02
Feb-03
Jun-03
Oct-03
Feb-04
Jun-04
Oct-04
Feb-05
Jun-05
Oct-05
Feb-06
Jun-06
Oct-06
Feb-07
Jun-07
Oct-07
Feb-08
Jun-08
Oct-08
Feb-09
Jun-09
Oct-09
Feb-10
Jun-10
Oct-10
Feb-11
Jun-11
Oct-11
Jan-12
May-12
Sep-12
Jan-13
May-13
Sep-13
Jan-14
May-14
Sep-14
Jan-15
May-15
Sep-15

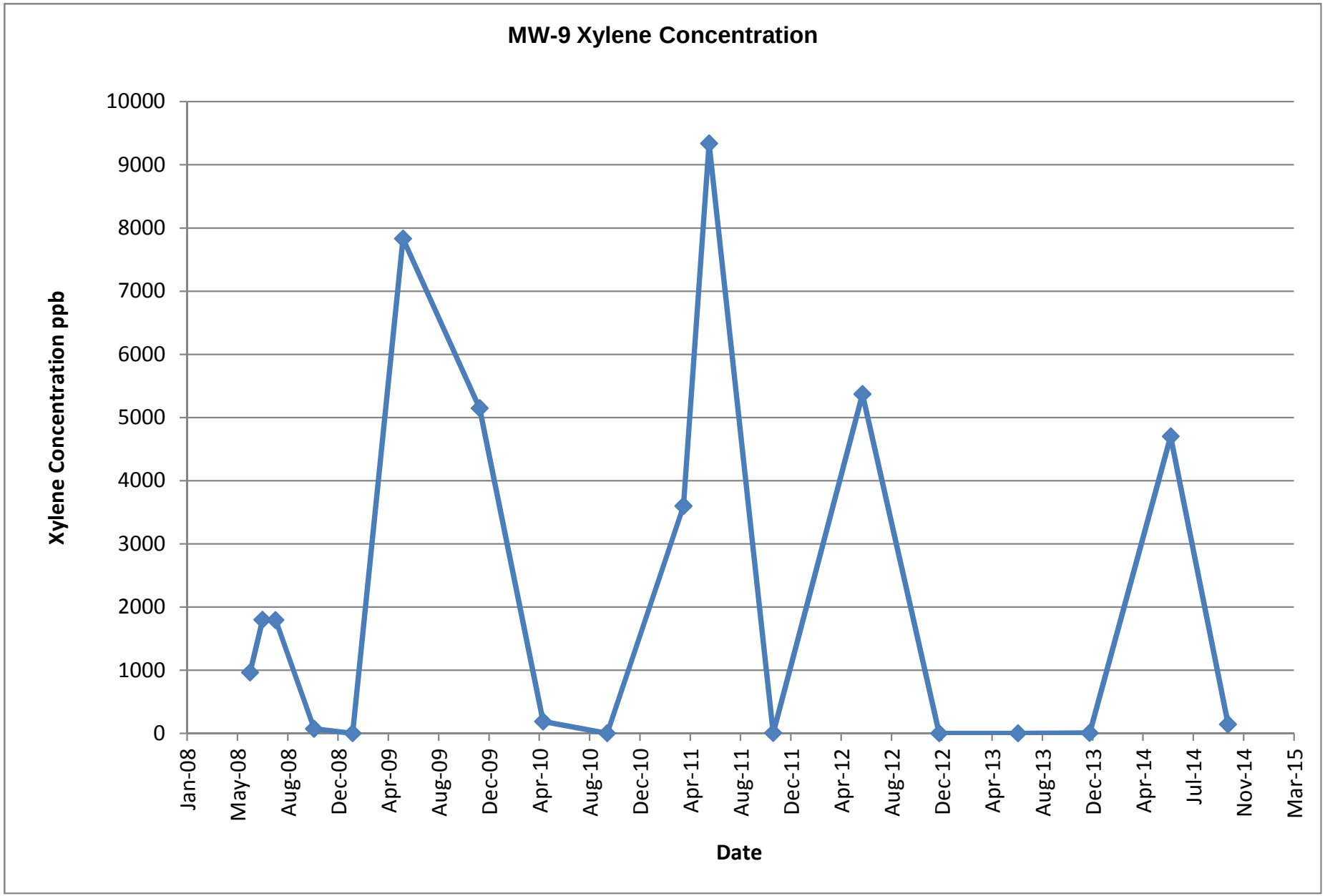

RW-3 Xylene Concentration
Xylene Concentration ppb
Date
Treatment System Shutdown on 5/27/08
0
10
20
30
40
50
60
70
80
90
Oct-00
Feb-01
Jun-01
Oct-01
Feb-02
Jun-02
Oct-02
Feb-03
Jun-03
Oct-03
Feb-04
Jun-04
Oct-04
Feb-05
Jun-05
Oct-05
Feb-06
Jun-06
Oct-06
Feb-07
Jun-07
Oct-07
Feb-08
Jun-08
Oct-08
Feb-09
Jun-09
Oct-09
Feb-10
Jun-10
Oct-10
Feb-11
Jun-11
Oct-11
Jan-12
May-12
Sep-12
Jan-13
May-13
Sep-13
Jan-14
May-14
Sep-14
Jan-15
May-15
Sep-15

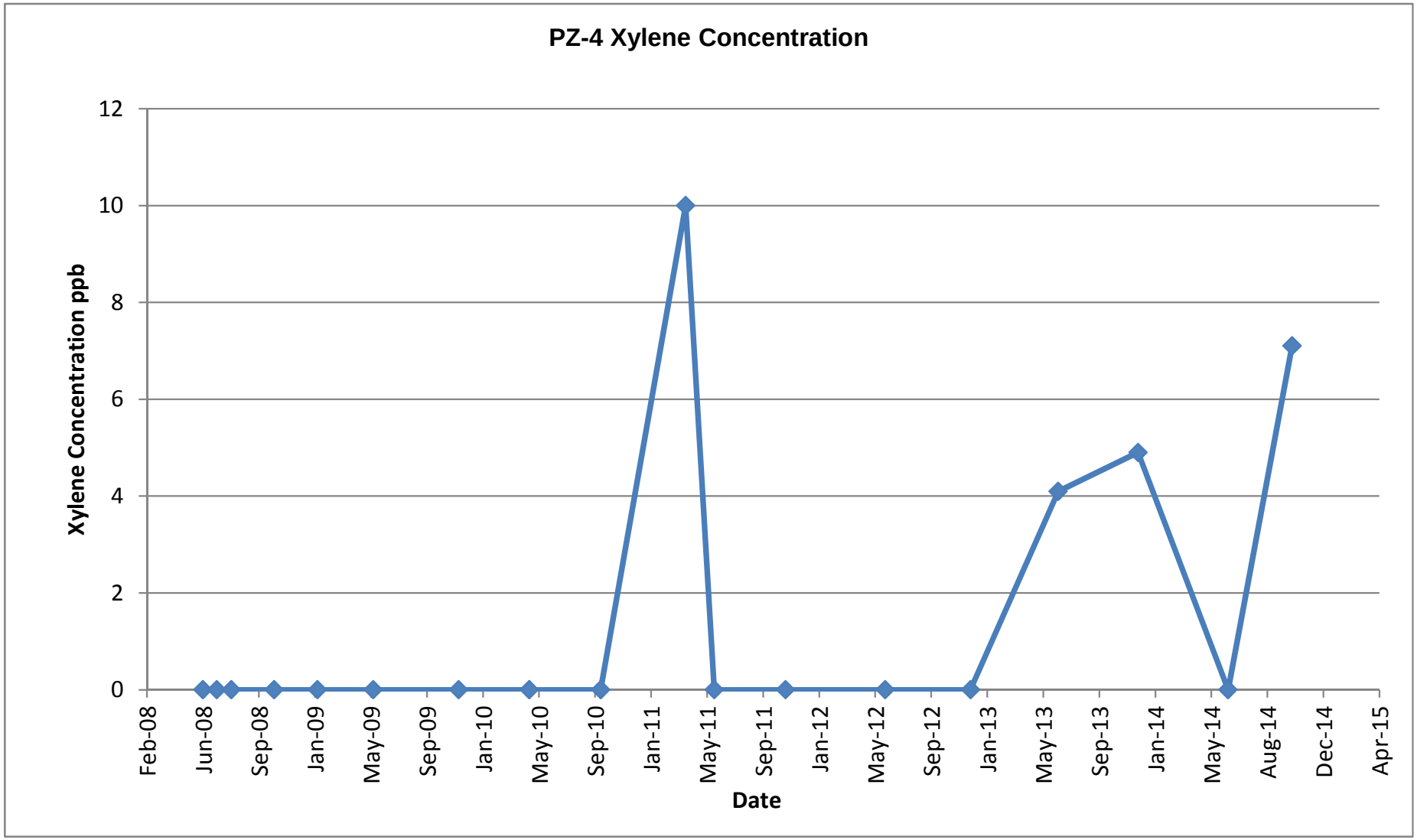

RW-5 Xylene Concentration
Xylene Concentration ppb
250
200
150
100
50
0
Treatment System Shutdown on 5/27/08
Oct-00
Feb-01
Jun-01
Oct-01
Feb-02
Jun-02
Oct-02
Feb-03
Jun-03
Oct-03
Feb-04
Jun-04
Oct-04
Feb-05
Jun-05
Oct-05
Feb-06
Jun-06
Oct-06
Feb-07
Jun-07
Oct-07
Feb-08
Jun-08
Oct-08
Feb-09
Jun-09
Oct-09
Feb-10
Jun-10
Oct-10
Feb-11
Jun-11
Oct-11
Jan-12
May-12
Sep-12
Jan-13
May-13
Sep-13
Jan-14
May-14
Sep-14
Jan-15
May-15
Sep-15
Date

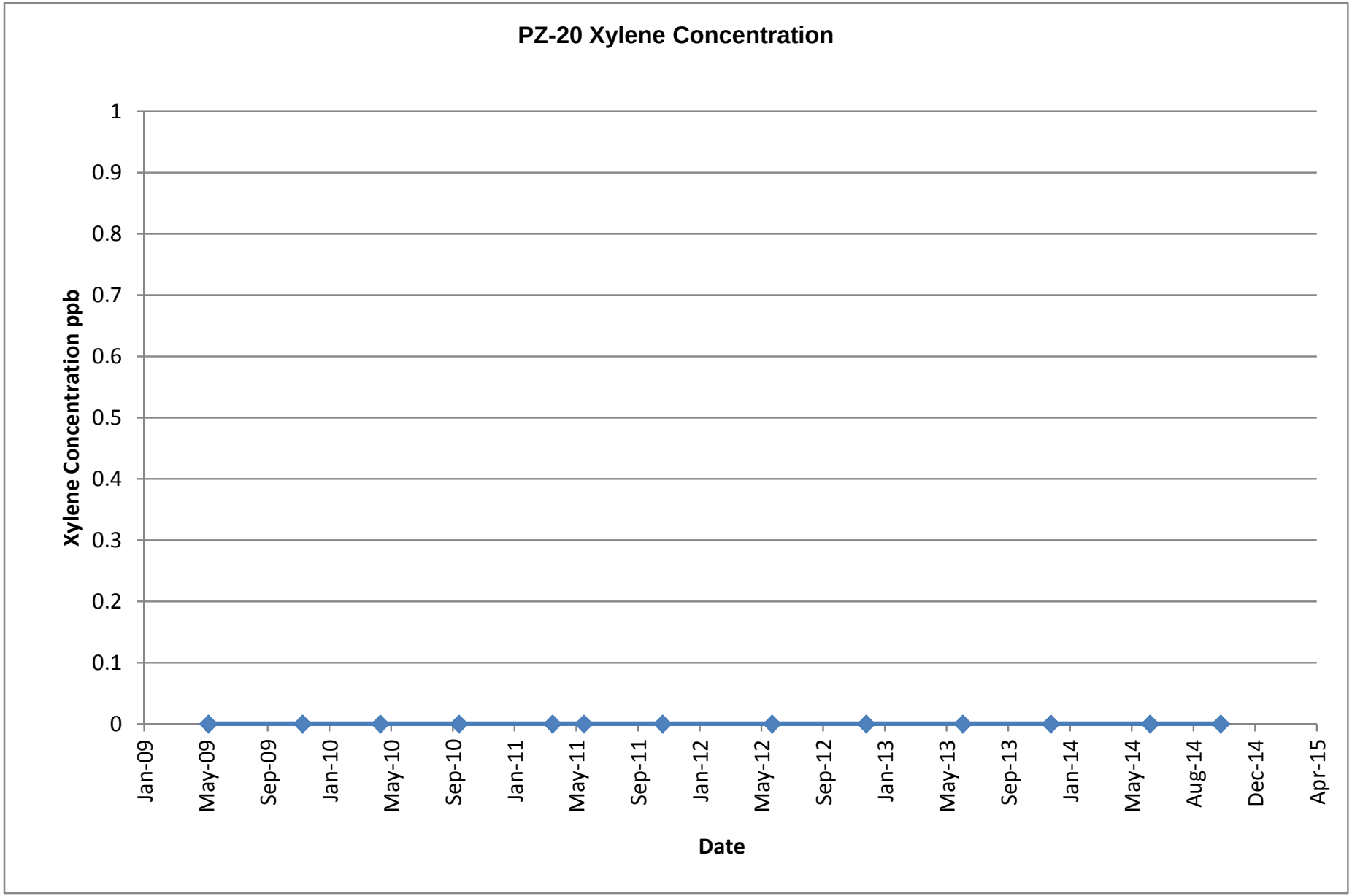

RW-6 Xylene Concentration
Treatment System Shutdown on 5/27/08
Xylene concentration ppb
Date
0
100
200
300
400
500
600
700
800
900
1000
Oct-00
Feb-01
Jun-01
Oct-01
Feb-02
Jun-02
Oct-02
Feb-03
Jun-03
Oct-03
Feb-04
Jun-04
Oct-04
Feb-05
Jun-05
Oct-05
Feb-06
Jun-06
Oct-06
Feb-07
Jun-07
Oct-07
Feb-08
Jun-08
Oct-08
Feb-09
Jun-09
Oct-09
Feb-10
Jun-10
Oct-10
Feb-11
Jun-11
Oct-11
Jan-12
May-12
Sep-12
Jan-13
May-13
Sep-13
Jan-14
May-14
Sep-14
Jan-15
May-15
Sep-15

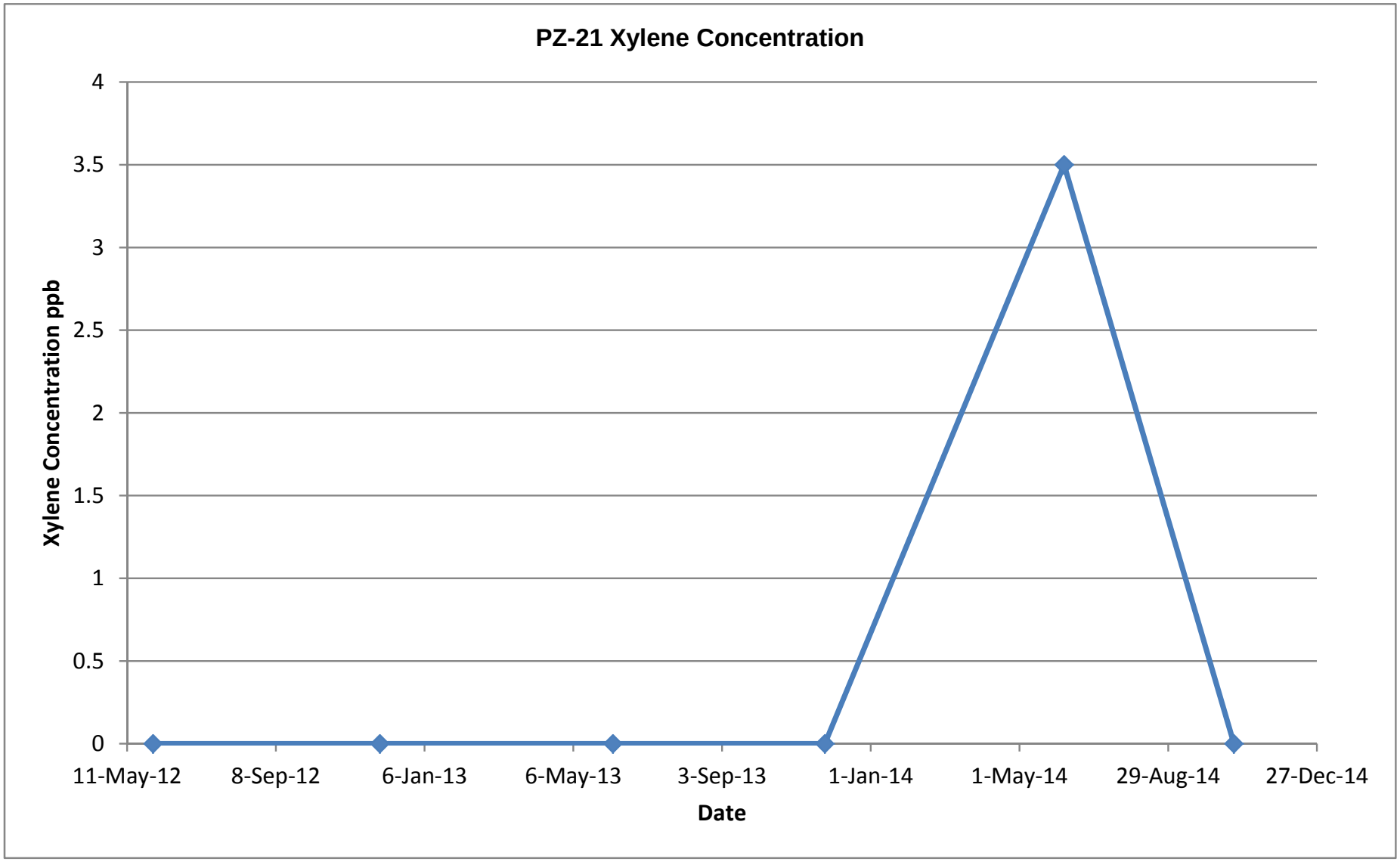

RW-7 Xylene Concentration
Treatment System Shutdown on 5/27/08
Xylene Concentration ppb
1200
1000
800
600
400
200
0
Oct-00
Feb-01
Jun-01
Oct-01
Feb-02
Jun-02
Oct-02
Feb-03
Jun-03
Oct-03
Feb-04
Jun-04
Oct-04
Feb-05
Jun-05
Oct-05
Feb-06
Jun-06
Oct-06
Feb-07
Jun-07
Oct-07
Feb-08
Jun-08
Oct-08
Feb-09
Jun-09
Oct-09
Feb-10
Jun-10
Oct-10
Feb-11
Jun-11
Oct-11
Jan-12
May-12
Sep-12
Jan-13
May-13
Sep-13
Jan-14
May-14
Sep-14
Jan-15
May-15
Sep-15
Date


RW-8 Xylene Concentration
Xylene Concentration ppb
200
180
160
140
120
100
80
60
40
20
0
Treatment System Shutdown on 5/27/08
Oct-00
Feb-01
Jun-01
Oct-01
Feb-02
Jun-02
Oct-02
Feb-03
Jun-03
Oct-03
Feb-04
Jun-04
Oct-04
Feb-05
Jun-05
Oct-05
Feb-06
Jun-06
Oct-06
Feb-07
Jun-07
Oct-07
Feb-08
Jun-08
Oct-08
Feb-09
Jun-09
Oct-09
Feb-10
Jun-10
Oct-10
Feb-11
Jun-11
Oct-11
Jan-12
May-12
Sep-12
Jan-13
May-13
Sep-13
Jan-14
May-14
Sep-14
Jan-15
May-15
Sep-15
Date


MW-9 Xylene Concentration
Xylene Concentration ppb
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
Jan-08
May-08
Aug-08
Dec-08
Apr-09
Aug-09
Dec-09
Apr-10
Aug-10
Dec-10
Apr-11
Aug-11
Dec-11
Apr-12
Aug-12
Dec-12
Apr-13
Aug-13
Dec-13
Apr-14
Jul-14
Nov-14
Mar-15
Date


PZ-4 Xylene Concentration
Xylene Concentration ppb
12
10
8
6
4
2
0
Feb-08
Jun-08
Sep-08
Jan-09
May-09
Sep-09
Jan-10
May-10
Sep-10
Jan-11
May-11
Sep-11
Jan-12
May-12
Sep-12
Jan-13
May-13
Sep-13
Jan-14
May-14
Aug-14
Dec-14
Apr-15
Date


PZ-20 Xylene Concentration
Xylene Concentration ppb
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Jan-09
May-09
Sep-09
Jan-10
May-10
Sep-10
Jan-11
May-11
Sep-11
Jan-12
May-12
Sep-12
Jan-13
May-13
Sep-13
Jan-14
May-14
Aug-14
Dec-14
Apr-15
Date


PZ-21 Xylene Concentration
Xylene Concentration ppb
4
3.5
3
2.5
2
1.5
1
0.5
0
11-May-12
8-Sep-12
6-Jan-13
6-May-13
3-Sep-13
1-Jan-14
1-May-14
29-Aug-14
27-Dec-14
Date