Stauffer Management Company

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

PERIODIC REVIEW REPORT

February 2016

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

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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/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

2/1/17
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 2016.

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 the 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/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. The 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 applicable 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/ECs described in the SMP are employed and land zoning regulations are followed.

4.1 Effectiveness of Institutional Controls and Engineering Controls

The ICs/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 2016, 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 semiannually in 2016 as specified in the SMP. The 2016 Site inspection reports are provided in Appendix A. The groundwater monitoring continued semiannually in 2016 as specified in the SMP. The results of the groundwater monitoring are discussed in Section 4.2.

In addition to the ICs/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, two (2) monitoring wells indicate xylene concentrations above the 5 ppb regulatory standard and six (6) monitoring wells below the standard during the October 2016 sampling event. Off-site, down gradient wells continue to indicate xylene levels below laboratory detection limits.

Appendix B contains a table with historical results, a drawing with the locations of the monitoring wells and their concentrations from the past ten (10) sampling events, and graphical representations of xylene levels in the monitoring 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/ECs continue to protect public health and the environment. The on-Site ICs /ECs remain in place, effective, 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/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 groundwater continues semi-annually-.

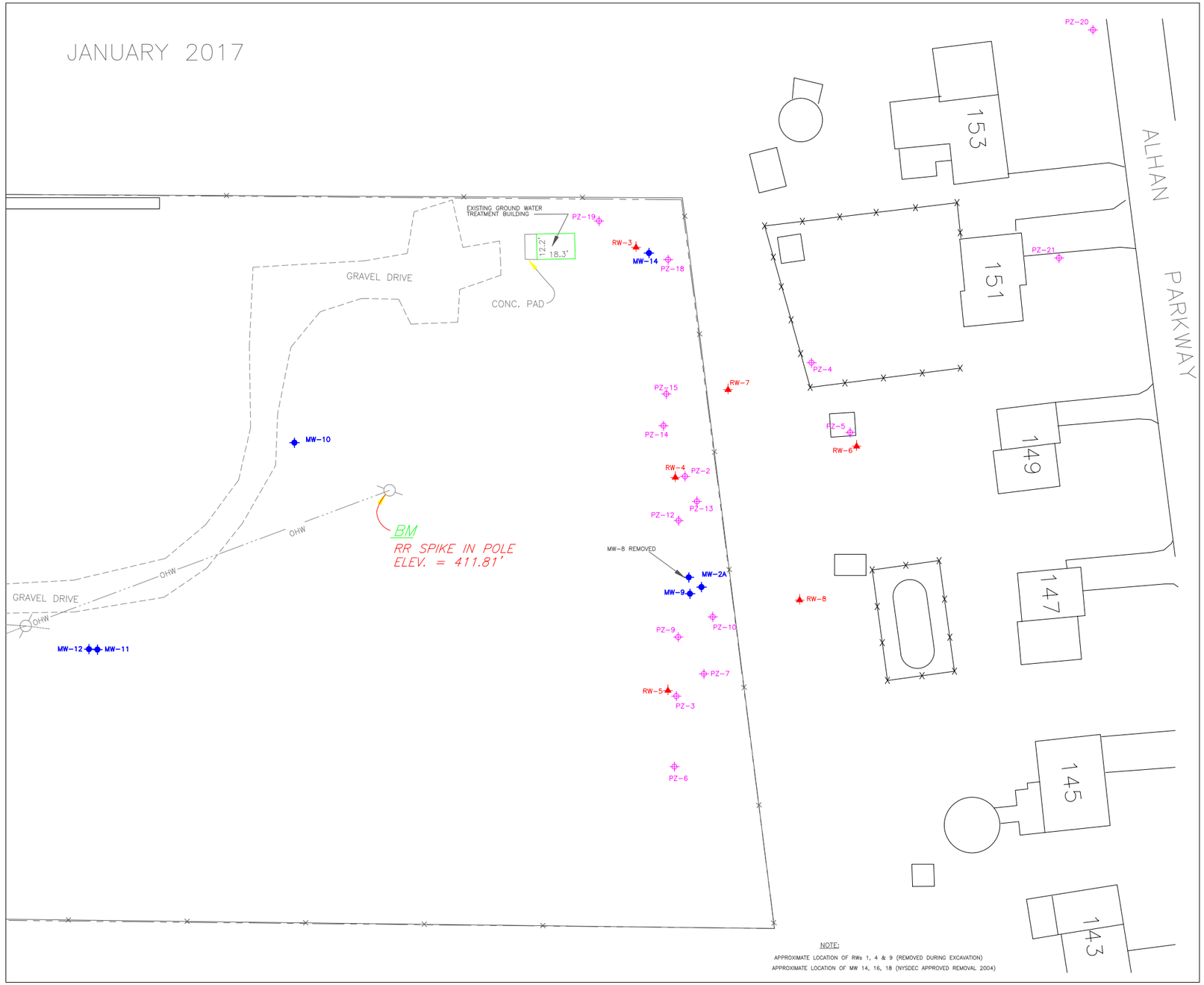
The remaining Site contamination in groundwater is consistent with levels present prior to shutdown of the groundwater treatment system, as shown in the groundwater sampling report summaries attached in Appendix B. The Site remedy and the SMP are effective in complying with cleanup objectives and continue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

FIGURES

DRAWN BY	REVISED	APPROVED BY	DRAWING NUMBER
DEO 7-19-99	AP 11-01-2016	--- ---	OCTOBER 2016

OFFICE	X-REF	IMAGE
ALB	---	---

JANUARY 2017



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
- 16.6 PPB — XYLENE CONCENTRATION ABOVE REGULATORY STANDARD OF 5.0 PPB

SCALE
0 30 60 90 FEET

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

FIGURE 1
SITE PLAN

MAESTRI SITE – OCTOBER 2016
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: 4-21-2016
Time: 1700

Site Inspection Report

Weather	Temperature
~~Overcast~~ Sunny	High 60's Low 60's

Client	Stauffer Management Company LLC	Project No.	E16-1370
Location	Maestri Site, 904 State Fair Blvd, Geddes, NY	Inspected By:	E. Clunmiller

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	
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	Has changed due to sump pump cycling during sample event
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: 4-21-2016 Time: 1700
Site Inspection Report ***Continuation Page(s)***		Page 2 of 2

Client	Stauffer Management Company LLC	Project No.	E16-1370
Location	Maestri Site, 904 State Fair Blvd, Geddes, NY	Inspected By:	E. Granville

General Site Observations:

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

No follow-up action required

Signature of Inspector:

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

Date: 10-24-2016
Time:

Site Inspection Report

Weather	Temperature
Sunny	High 50° F Low 40° F

Client	Stauffer Management Company LLC	Project No.	E16-1370
Location	Maestri Site, 904 State Fair Blvd, Geddes, NY	Inspected By:	A. Pieroni

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	Has changed due to sump pump emptying during sampling events
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:

Andrew Pieroni

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: Time:	10-24-2016 1300
Site Inspection Report ***Continuation Page(s)***		Page 2 of 2	
Client	Stauffer Management Company LLC	Project No.	E16-1370
Location	Maestri Site, 904 State Fair Blvd, Geddes, NY	Inspected By:	Andrew Pieroni

General Site Observations:

Follow-up: *Indicate actions required, person(s) contacted, and dates for completion*
No follow-up action required.

Signature of Inspector: *Andrew Pieroni*

APPENDIX B

Summary of Total Xylene Concentrations (ppb)

Stauffer Management Company

Maestri Site

2009-2016

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	******
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
May-15	**	**	< 1.0	**	<1.0	604	16.6	2.0	407	<1.0	5.3	<1.0	< 1.0 (< 1.0)
Nov-15	**	**	15.4	**	<1.1	183 (208)	5.2	3.4	769	739	5.3	<1.0	<1.0
Apr-16	**	**	< 1.0	**	<1.0	707	22.6 (23.2)	< 1.0	261	< 1.0	5.7	<1.0	<1.0
Oct-16	**	**	< 1.0	**	<1.0	88.9 (94.5)	< 1.0	< 1.0	68.3	< 1.0	4.3	<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	AP	---	---
			7-19-99	11-01-2016		OCTOBER 2016

JANUARY 2017

RW-3	
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
MAY 2015	< 1.0 PPB
NOV 2015	16.4 PPB
APRIL 2016	< 1.0 PPB
OCT 2016	< 1.0 PPB

RW-7	
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
MAY 2015	16.6 PPB
NOV 2015	5.2 PPB
APRIL2016	22.6 PPB (DUP: 23.2 PPB)
OCT 2016	< 1.0 PPB

PZ-20	
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
MAY 2015	< 1.0 PPB
NOV 2015	< 1.0 PPB
APRIL 2016	< 1.0 PPB
OCT 2016	< 1.0 PPB

PZ-21	
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
MAY 2015	< 1.0 PPB (DUP: < 1.0 PPB)
NOV 2015	< 1.0 PPB
APRIL 2016	< 1.0 PPB
OCT 2016	< 1.0 PPB

PZ-4	
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
MAY 2015	5.3 PPB
NOV 2015	5.3 PPB
APRIL 2016	5.7 PPB
OCT 2016	4.3 PPB

RW-6	
JUN 2012	622 PPB
DEC 2012	511 PPB
JUN 2013	14 PPB
NOV 2013	418 PPB
JUN 2014	770 PPB
OCT 2014	466 PPB
MAY 2015	604 PPB
NOV 2015	185 PPB (208 PPB)
APRIL 2016	707 PPB
OCT 2016	88.9 PPB (94.5 PPB)

RW-8	
JUN 2012	< 3.0 PPB
DEC 2012	7.8 PPB
JUN 2013	< 3.0 PPB
NOV 2013	< 3.0 PPB
JUN 2014	< 3.0 PPB
OCT 2014	< 3.0 PPB
MAY 2015	2.0 PPB
NOV 2015	3.4 PPB
APRIL 2016	< 1.0 PPB
OCT 2016	< 1.0 PPB

MW-9	
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
MAY 2015	< 1.0 PPB
NOV 2015	739 PPB
APRIL 2016	< 1.0 PPB
OCT 2016	< 1.0 PPB

RW-5	
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
MAY 2015	< 1.0 PPB
NOV 2015	< 1.0 PPB
APRIL 2016	< 1.0 PPB
OCT 2016	< 1.0 PPB

MW-2A	
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
MAY 2015	407 PPB
NOV 2015	769 PPB
APRIL 2016	261 PPB
OCT 2016	68.3 PPB

EXISTING GROUND WATER TREATMENT BUILDING

GRAVEL DRIVE

CONC. PAD 12.2' x 18.3'

ALHAN PARKWAY

153 151 149 147 145 143

385 390 395 400 405

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)

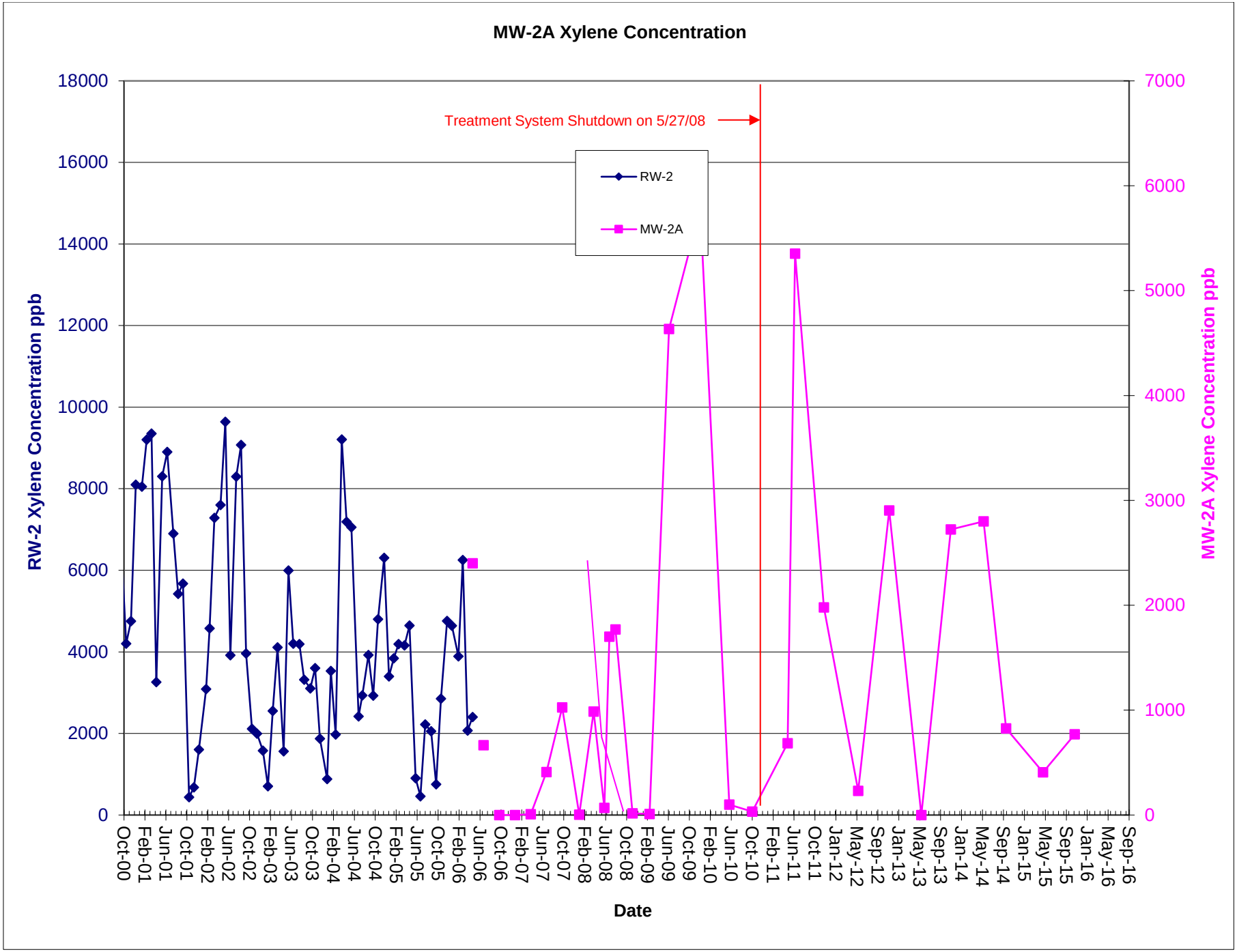
LEGEND

- 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

APPENDIX B-2
HISTORICAL GROUNDWATER
XYLENE CONCENTRATION SUMMARY
MAESTRI SITE – OCTOBER 2016
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
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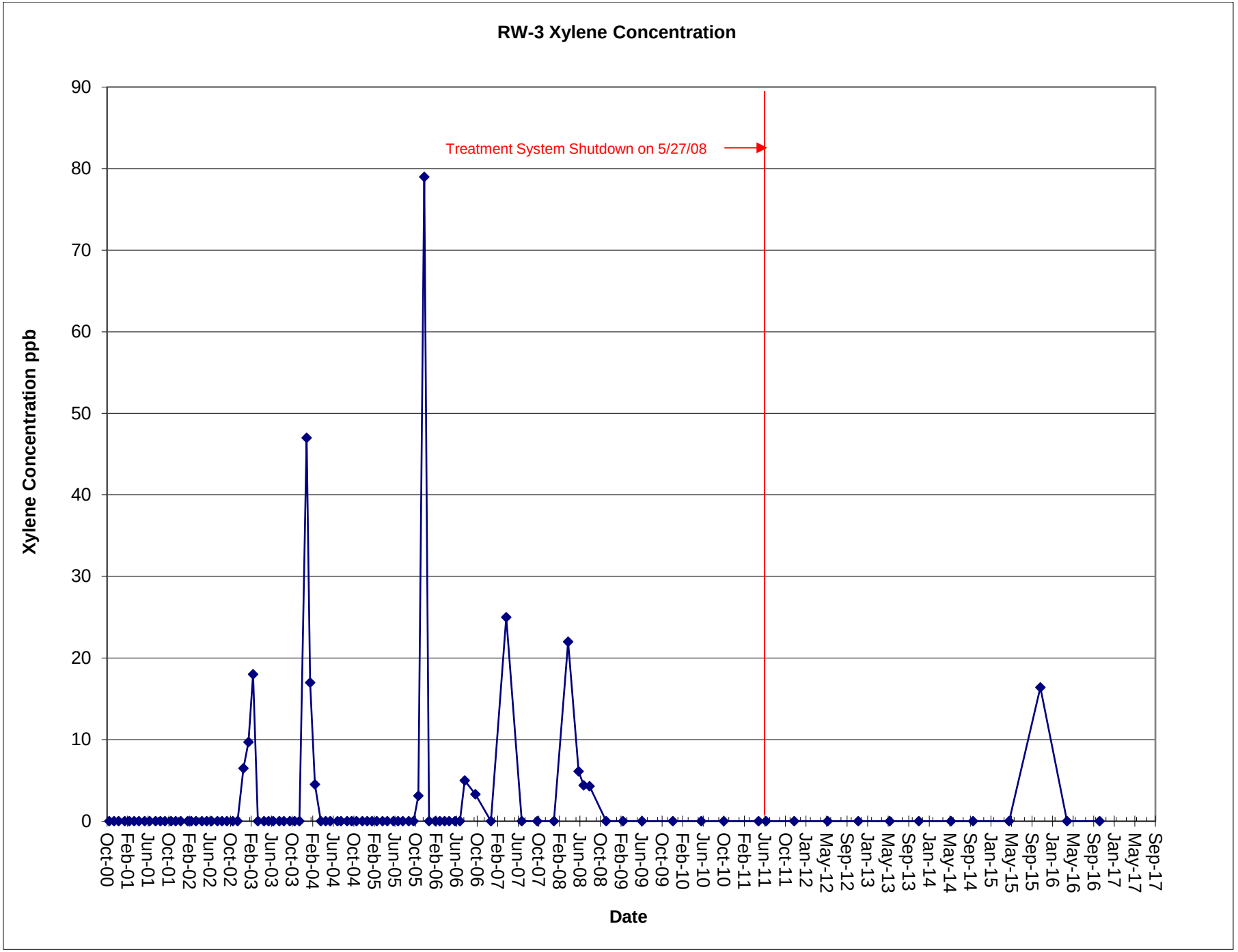
Jan-16
May-16
Sep-16


RW-3 Xylene Concentration
Xylene Concentration ppb
90
80
70
60
50
40
30
20
10
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
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Oct-10
Feb-11
Jun-11
Oct-11
Jan-12
May-12
Sep-12
Jan-13
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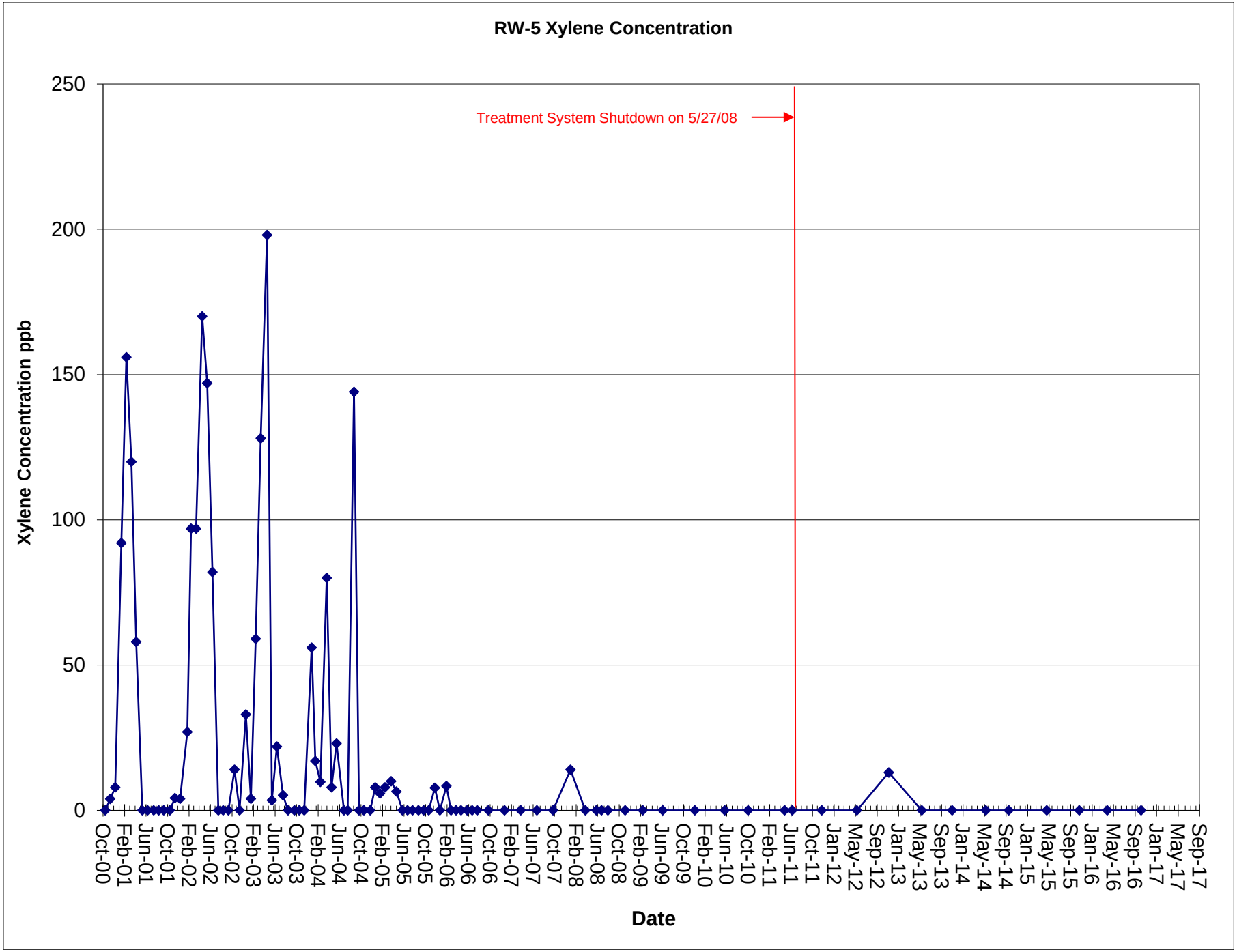
Jan-14
May-14
Sep-14
Jan-15
May-15
Sep-15
Jan-16
May-16
Sep-16
Jan-17
May-17
Sep-17
Date


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
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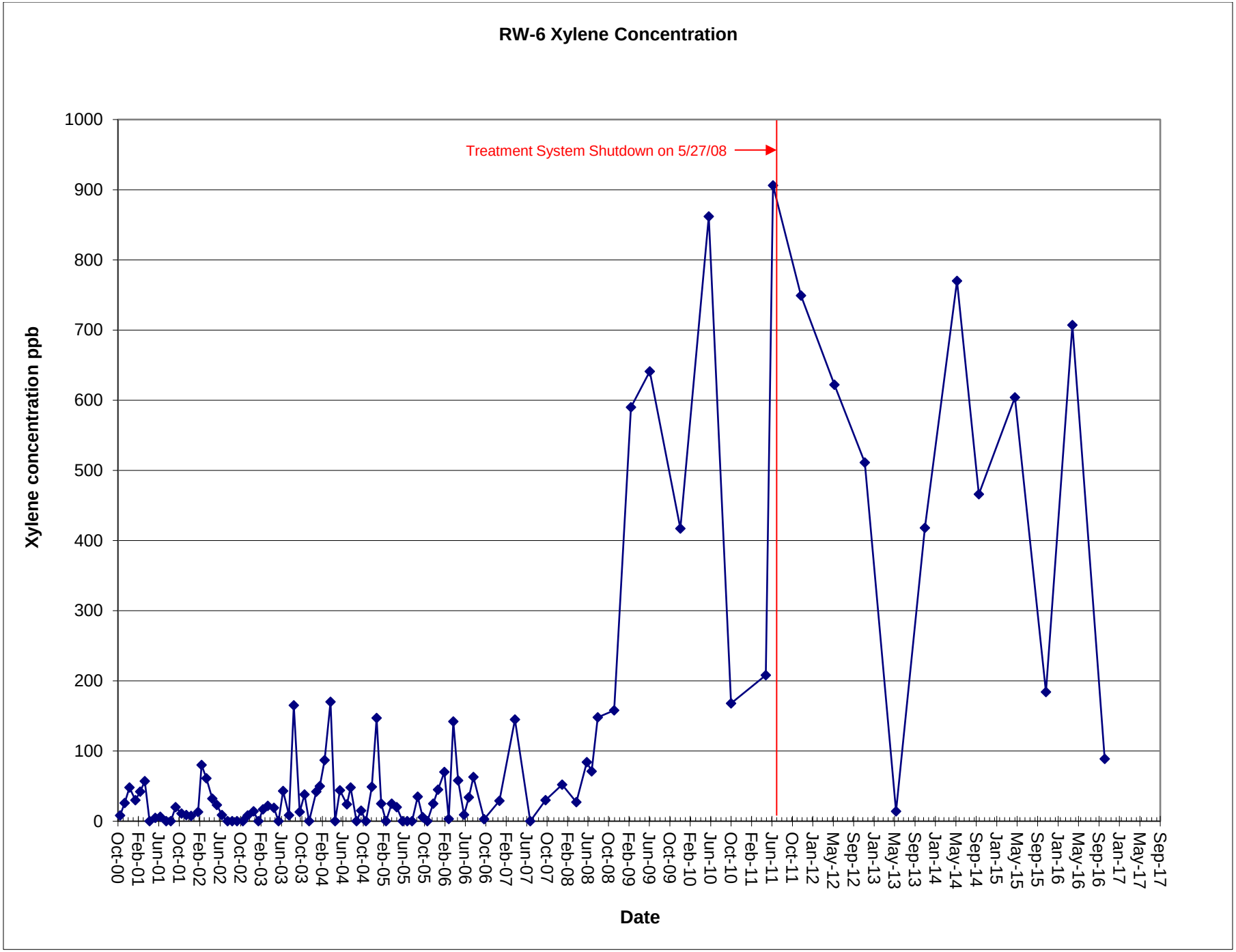
Jan-16
May-16
Sep-16
Jan-17
May-17
Sep-17
Date


RW-6 Xylene Concentration
Xylene concentration ppb
Date
Treatment System Shutdown on 5/27/08
1000
900
800
700
600
500
400
300
200
100
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
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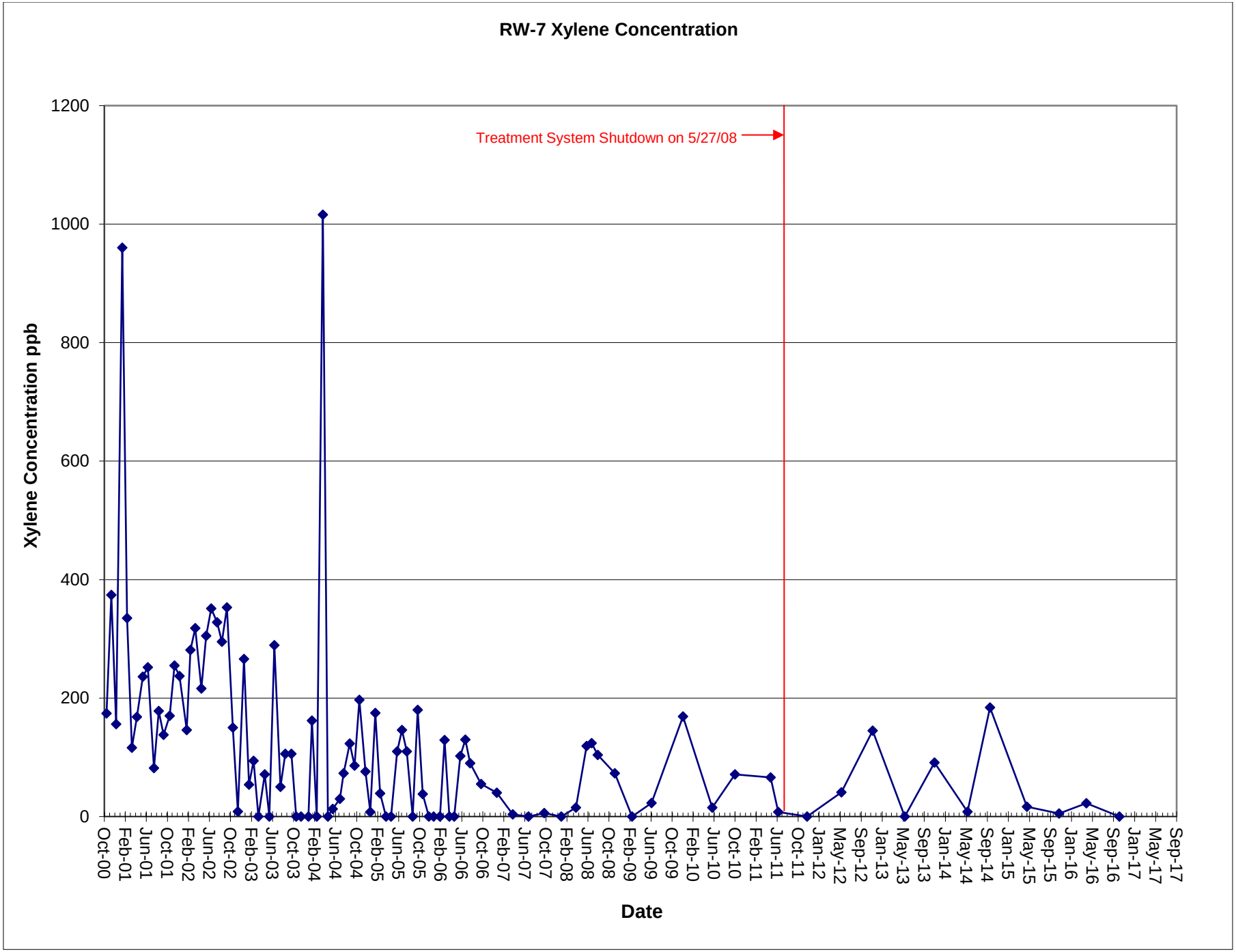
Jan-17
May-17
Sep-17


RW-7 Xylene Concentration
Treatment System Shutdown on 5/27/08
Xylene Concentration ppb
0
200
400
600
800
1000
1200
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
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Jan-12
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Jan-14
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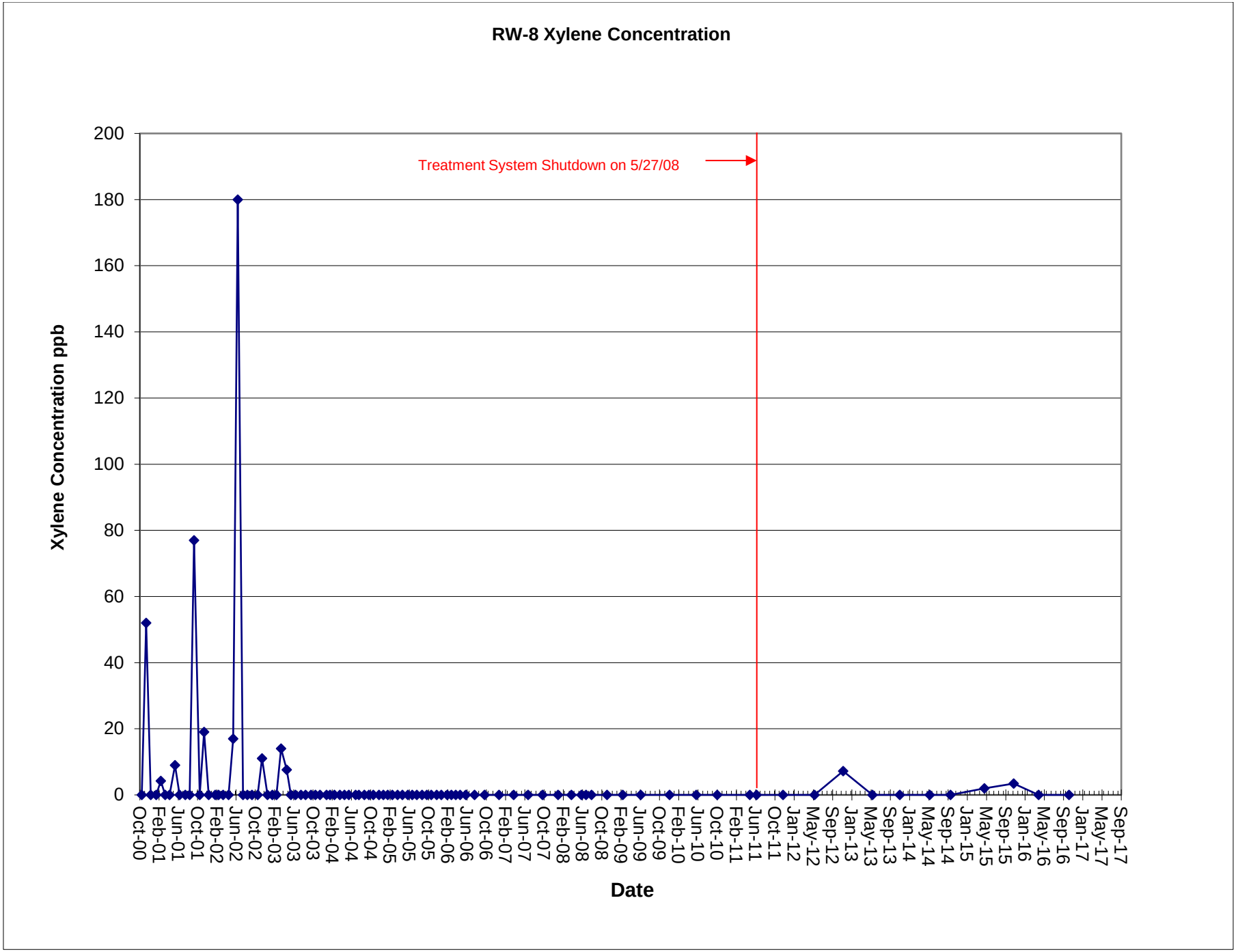
Jan-16
May-16
Sep-16
Jan-17
May-17
Sep-17
Date


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
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Jun-07
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Jun-10
Oct-10
Feb-11
Jun-11
Oct-11
Jan-12
May-12
Sep-12
Jan-13
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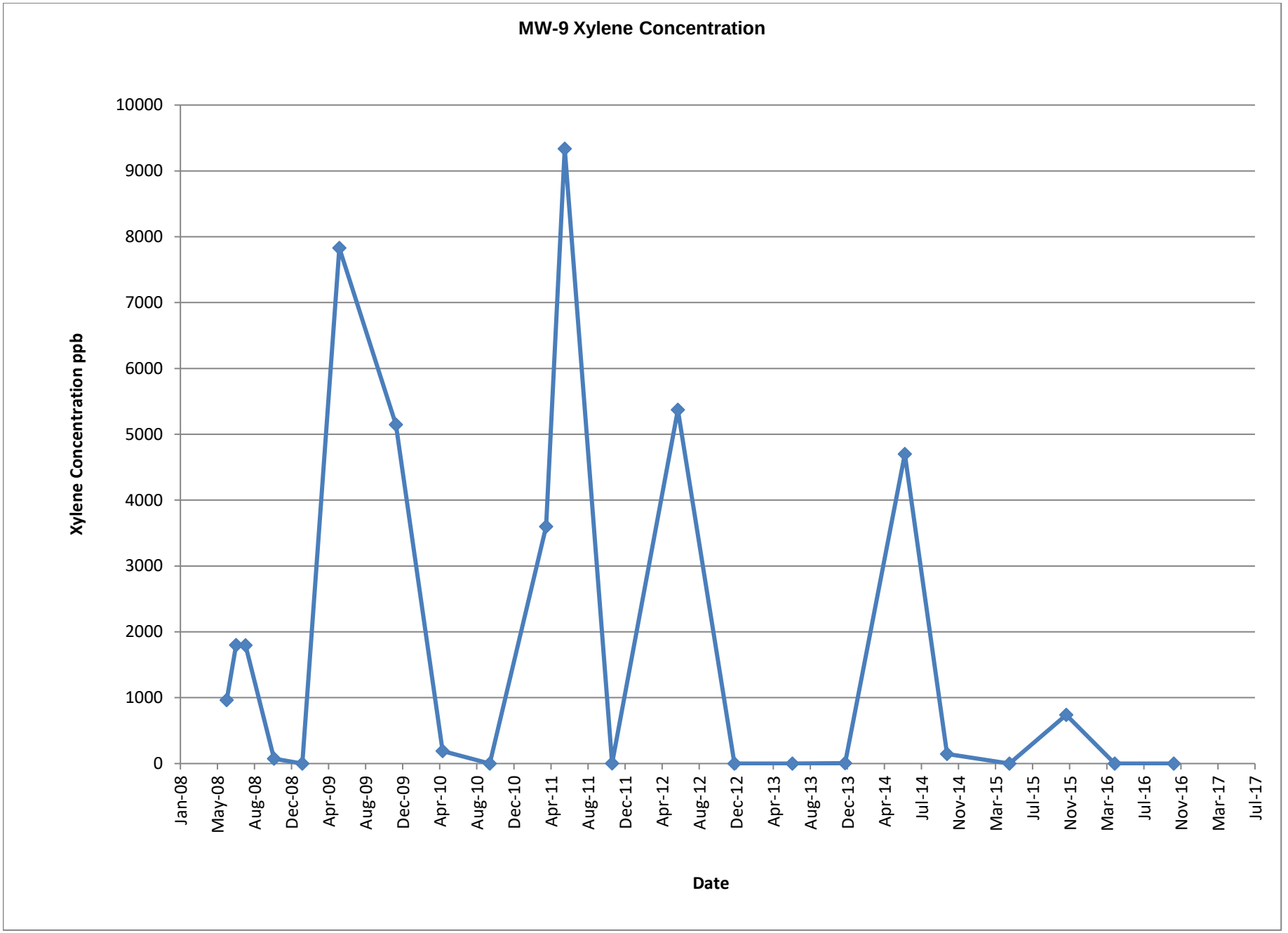
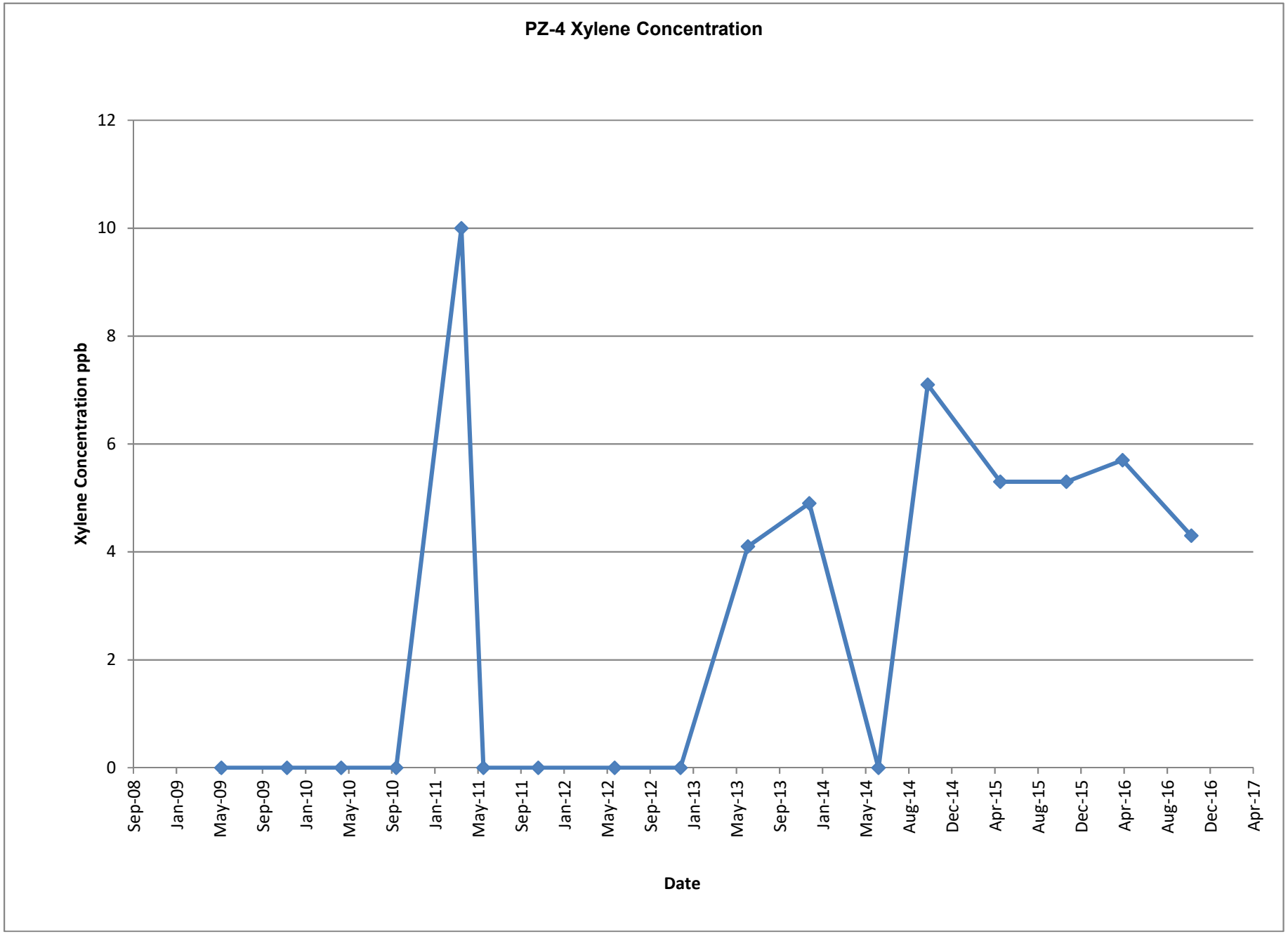
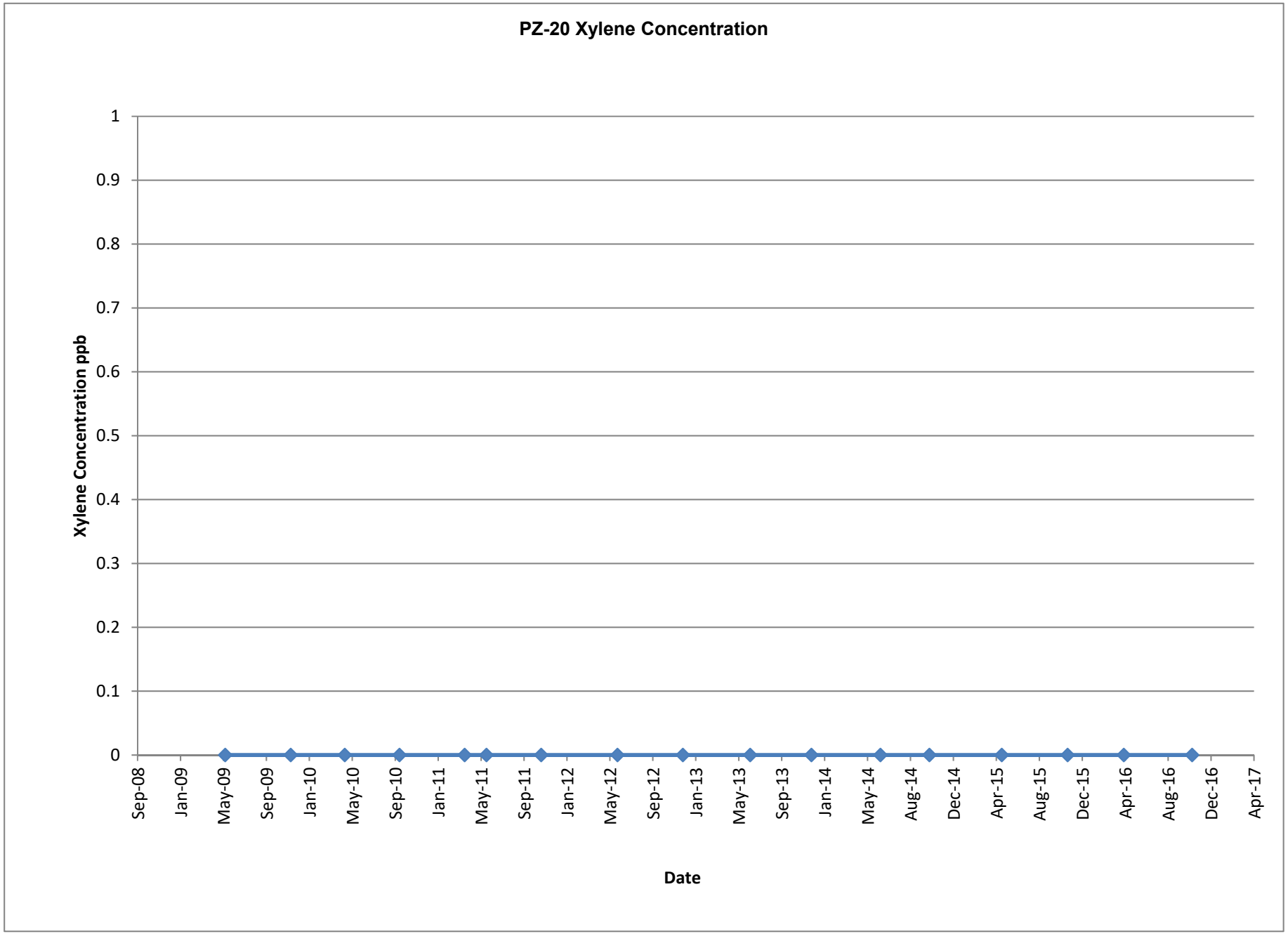
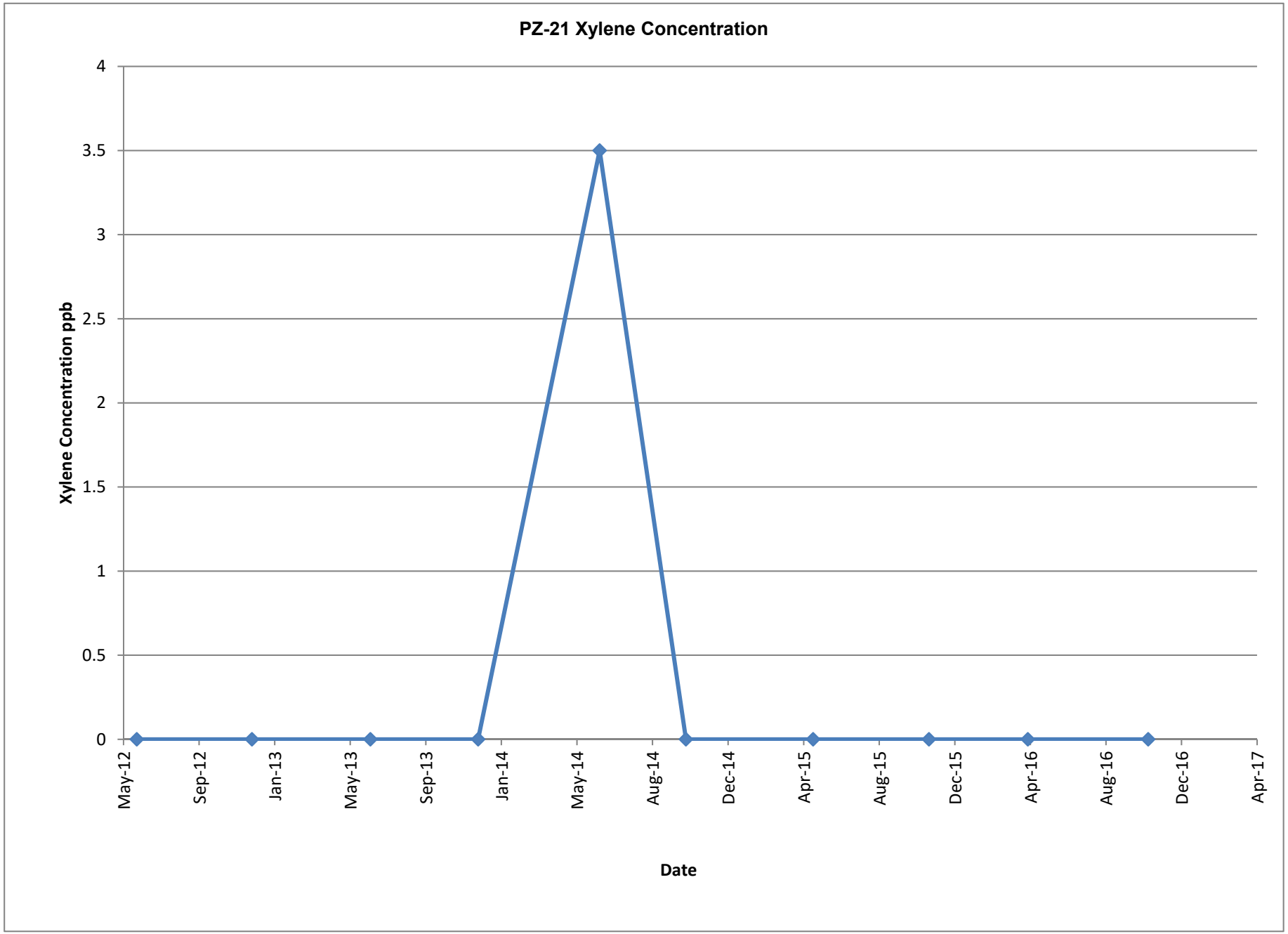
Sep-15
Jan-16
May-16
Sep-16
Jan-17
May-17
Sep-17
Date


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
Jul-15
Nov-15
Mar-16
Jul-16
Nov-16
Mar-17
Jul-17
Date


PZ-4 Xylene Concentration
Xylene Concentration ppb
12
10
8
6
4
2
0
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
Aug-15
Dec-15
Apr-16
Aug-16
Dec-16
Apr-17
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
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
Aug-15
Dec-15
Apr-16
Aug-16
Dec-16
Apr-17
Date


PZ-21 Xylene Concentration
Xylene Concentration ppb
4
3.5
3
2.5
2
1.5
1
0.5
0
May-12
Sep-12
Jan-13
May-13
Sep-13
Jan-14
May-14
Aug-14
Dec-14
Apr-15
Aug-15
Dec-15
Apr-16
Aug-16
Dec-16
Apr-17
Date

e-Hardcopy 2.0
Automated Report

Technical Report for

Envirospec Engineering

MAESTRI 2016 Monitoring

E16-1370

SGS Accutest Job Number: MC45479

Sampling Date: 04/21/16

Report to:

apieroni@envirospeceng.com

Total number of pages in report: **21**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

H. (Brad) Madadian
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

Table of Contents

Sample Summary

Envirospec Engineering

Job No: MC45479

MAESTRI 2016 Monitoring
Project No: E16-1370

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC45479-1	04/21/16	15:10	TE	04/22/16	AQ	Ground Water	RW-3
MC45479-2	04/21/16	14:55	TE	04/22/16	AQ	Ground Water	RW-5
MC45479-3	04/21/16	14:47	TE	04/22/16	AQ	Ground Water	MW-9
MC45479-4	04/21/16	14:22	TE	04/22/16	AQ	Ground Water	RW-7
MC45479-5	04/21/16	14:39	TE	04/22/16	AQ	Ground Water	RW-8
MC45479-6	04/21/16	14:13	TE	04/22/16	AQ	Ground Water	RW-6
MC45479-7	04/21/16	14:06	TE	04/22/16	AQ	Ground Water	PZ-4
MC45479-8	04/21/16	13:55	TE	04/22/16	AQ	Ground Water	PZ-20
MC45479-9	04/21/16	13:43	TE	04/22/16	AQ	Ground Water	PZ-21
MC45479-10	04/21/16	16:00	TE	04/22/16	AQ	Ground Water	MW-2A
MC45479-11	04/21/16	00:00	TE	04/22/16	AQ	Ground Water	DUP
MC45479-12	04/21/16	00:00	TE	04/22/16	AQ	Trip Blank Water	TRIP BLANK

Summary of Hits

Job Number: MC45479
Account: Envirospec Engineering
Project: MAESTRI 2016 Monitoring
Collected: 04/21/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC45479-1	**RW-3**					
No hits reported in this sample.						
MC45479-2	**RW-5**					
No hits reported in this sample.						
MC45479-3	**MW-9**					
No hits reported in this sample.						
MC45479-4	**RW-7**					
Xylenes (total)		22.6	1.0		ug/l	EPA 624
MC45479-5	**RW-8**					
No hits reported in this sample.						
MC45479-6	**RW-6**					
Xylenes (total)		707	1.0		ug/l	EPA 624
MC45479-7	**PZ-4**					
Xylenes (total)		5.7	1.0		ug/l	EPA 624
MC45479-8	**PZ-20**					
No hits reported in this sample.						
MC45479-9	**PZ-21**					
No hits reported in this sample.						
MC45479-10	**MW-2A**					
Xylenes (total)		261	1.0		ug/l	EPA 624
MC45479-11	**DUP**					
Xylenes (total)		23.2	1.0		ug/l	EPA 624

Summary of Hits

Job Number: MC45479
Account: Envirospec Engineering
Project: MAESTRI 2016 Monitoring
Collected: 04/21/16

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

MC45479-12 TRIP BLANK

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	RW-3		
Lab Sample ID:	MC45479-1	**Date Sampled:**	04/21/16
Matrix:	AQ - Ground Water	**Date Received:**	04/22/16
Method:	EPA 624	**Percent Solids:**	n/a
Project:	MAESTRI 2016 Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P86540.D	1	04/26/16	KD	n/a	n/a	MSP2832
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
1330-20-7	Xylenes (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8 (SUR)	109%		84-116%
460-00-4	4-Bromofluorobenzene (SUR)	105%		82-115%
1868-53-7	Dibromofluoromethane	138% [a]		72-133%

(a) Outside control limits. Associated target analytes are non-detect.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW-5		
Lab Sample ID:	MC45479-2	**Date Sampled:**	04/21/16
Matrix:	AQ - Ground Water	**Date Received:**	04/22/16
Method:	EPA 624	**Percent Solids:**	n/a
Project:	MAESTRI 2016 Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P86534.D	1	04/26/16	KD	n/a	n/a	MSP2832
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
1330-20-7	Xylenes (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8 (SUR)	108%		84-116%
460-00-4	4-Bromofluorobenzene (SUR)	104%		82-115%
1868-53-7	Dibromofluoromethane	137% [a]		72-133%

(a) Outside control limits. Associated target analytes are non-detect.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	MC45479-3	**Date Sampled:**	04/21/16
Matrix:	AQ - Ground Water	**Date Received:**	04/22/16
Method:	EPA 624	**Percent Solids:**	n/a
Project:	MAESTRI 2016 Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P86543.D	1	04/26/16	KD	n/a	n/a	MSP2832
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
1330-20-7	Xylenes (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8 (SUR)	108%		84-116%
460-00-4	4-Bromofluorobenzene (SUR)	106%		82-115%
1868-53-7	Dibromofluoromethane	138% [a]		72-133%

(a) Outside control limits. Associated target analytes are non-detect.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW-7		
Lab Sample ID:	MC45479-4	**Date Sampled:**	04/21/16
Matrix:	AQ - Ground Water	**Date Received:**	04/22/16
Method:	EPA 624	**Percent Solids:**	n/a
Project:	MAESTRI 2016 Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P86538.D	1	04/26/16	KD	n/a	n/a	MSP2832
Run #2 [a]	P86558.D	1	04/26/16	KD	n/a	n/a	MSP2833

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	Units	Q
1330-20-7	Xylenes (total)	22.6	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8 (SUR)	108%	109%	84-116%
460-00-4	4-Bromofluorobenzene (SUR)	107%	106%	82-115%
1868-53-7	Dibromofluoromethane	141% [b]	136% [b]	72-133%

(a) Confirmation run for surrogate recoveries.
(b) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW-8		
Lab Sample ID:	MC45479-5	**Date Sampled:**	04/21/16
Matrix:	AQ - Ground Water	**Date Received:**	04/22/16
Method:	EPA 624	**Percent Solids:**	n/a
Project:	MAESTRI 2016 Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P86537.D	1	04/26/16	KD	n/a	n/a	MSP2832
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
1330-20-7	Xylenes (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8 (SUR)	108%		84-116%
460-00-4	4-Bromofluorobenzene (SUR)	104%		82-115%
1868-53-7	Dibromofluoromethane	138% [a]		72-133%

(a) Outside control limits. Associated target analytes are non-detect.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW-6		
Lab Sample ID:	MC45479-6	**Date Sampled:**	04/21/16
Matrix:	AQ - Ground Water	**Date Received:**	04/22/16
Method:	EPA 624	**Percent Solids:**	n/a
Project:	MAESTRI 2016 Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P86541.D	1	04/26/16	KD	n/a	n/a	MSP2832
Run #2 [a]	P86561.D	1	04/26/16	KD	n/a	n/a	MSP2833

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	Units	Q
1330-20-7	Xylenes (total)	707	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8 (SUR)	108%	108%	84-116%
460-00-4	4-Bromofluorobenzene (SUR)	106%	106%	82-115%
1868-53-7	Dibromofluoromethane	138% [b]	137% [b]	72-133%

(a) Confirmation run for surrogate recoveries.
(b) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PZ-4		
Lab Sample ID:	MC45479-7	**Date Sampled:**	04/21/16
Matrix:	AQ - Ground Water	**Date Received:**	04/22/16
Method:	EPA 624	**Percent Solids:**	n/a
Project:	MAESTRI 2016 Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P86539.D	1	04/26/16	KD	n/a	n/a	MSP2832
Run #2 [a]	P86557.D	1	04/26/16	KD	n/a	n/a	MSP2833

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	Units	Q
1330-20-7	Xylenes (total)	5.7	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8 (SUR)	107%	108%	84-116%
460-00-4	4-Bromofluorobenzene (SUR)	103%	104%	82-115%
1868-53-7	Dibromofluoromethane	139% [b]	135% [b]	72-133%

(a) Confirmation run for surrogate recoveries.
(b) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PZ-20		
Lab Sample ID:	MC45479-8	**Date Sampled:**	04/21/16
Matrix:	AQ - Ground Water	**Date Received:**	04/22/16
Method:	EPA 624	**Percent Solids:**	n/a
Project:	MAESTRI 2016 Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P86535.D	1	04/26/16	KD	n/a	n/a	MSP2832
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
1330-20-7	Xylenes (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8 (SUR)	108%		84-116%
460-00-4	4-Bromofluorobenzene (SUR)	102%		82-115%
1868-53-7	Dibromofluoromethane	138% [a]		72-133%

(a) Outside control limits. Associated target analytes are non-detect.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PZ-21		
Lab Sample ID:	MC45479-9	**Date Sampled:**	04/21/16
Matrix:	AQ - Ground Water	**Date Received:**	04/22/16
Method:	EPA 624	**Percent Solids:**	n/a
Project:	MAESTRI 2016 Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P86536.D	1	04/26/16	KD	n/a	n/a	MSP2832
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
1330-20-7	Xylenes (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8 (SUR)	108%		84-116%
460-00-4	4-Bromofluorobenzene (SUR)	105%		82-115%
1868-53-7	Dibromofluoromethane	138% [a]		72-133%

(a) Outside control limits. Associated target analytes are non-detect.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-2A		
Lab Sample ID:	MC45479-10	**Date Sampled:**	04/21/16
Matrix:	AQ - Ground Water	**Date Received:**	04/22/16
Method:	EPA 624	**Percent Solids:**	n/a
Project:	MAESTRI 2016 Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P86544.D	1	04/26/16	KD	n/a	n/a	MSP2832
Run #2 [a]	P86560.D	1	04/26/16	KD	n/a	n/a	MSP2833

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	Units	Q
1330-20-7	Xylenes (total)	261	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8 (SUR)	109%	107%	84-116%
460-00-4	4-Bromofluorobenzene (SUR)	109%	107%	82-115%
1868-53-7	Dibromofluoromethane	138% [b]	136% [b]	72-133%

(a) Confirmation run for surrogate recoveries.
(b) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP		
Lab Sample ID:	MC45479-11	**Date Sampled:**	04/21/16
Matrix:	AQ - Ground Water	**Date Received:**	04/22/16
Method:	EPA 624	**Percent Solids:**	n/a
Project:	MAESTRI 2016 Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P86559.D	1	04/26/16	KD	n/a	n/a	MSP2833
Run #2 [a]	P86542.D	1	04/26/16	KD	n/a	n/a	MSP2832

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	Units	Q
1330-20-7	Xylenes (total)	23.2	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8 (SUR)	108%	109%	84-116%
460-00-4	4-Bromofluorobenzene (SUR)	105%	106%	82-115%
1868-53-7	Dibromofluoromethane	138% [b]	139% [b]	72-133%

(a) Confirmation run for surrogate recoveries.
(b) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	MC45479-12	**Date Sampled:**	04/21/16
Matrix:	AQ - Trip Blank Water	**Date Received:**	04/22/16
Method:	EPA 624	**Percent Solids:**	n/a
Project:	MAESTRI 2016 Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P86527.D	1	04/25/16	KD	n/a	n/a	MSP2832
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
1330-20-7	Xylenes (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8 (SUR)	108%		84-116%
460-00-4	4-Bromofluorobenzene (SUR)	103%		82-115%
1868-53-7	Dibromofluoromethane	137% [a]		72-133%

(a) Outside control limits. Associated target analytes are non-detect.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS ACCUTEST

CHAIN OF CUSTODY

SGS Accutest of New England
50 D'Angelo Drive, Building One Marlborough, MA 01752
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE 1 OF 1

FED-EX Tracking #: | Bottle Order Control #:
SGS Accutest Quote #: | SGS Accutest Job #: MC45479

Client / Reporting Information

Company Name: Envirospec Engineering
Street Address: 349 Northern Blvd
City: Albany State: NY Zip: 12204
Project Contact: Travis Edgington E-mail: tedgington@envirospeceng.com
Phone #: Fax #:
Sampler(s) Name(s): Phone #:

Project Information

Project Name: Maestri Project
Street:
City:
Project#:
Client PO#: E16-1378
Project Manager:

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet): Xylenes EPA 624

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	Xylenes EPA 624	LAB USE ONLY
-1	RW-3		4/21	1510	TE	GW	3	X									X	
-2	RW-5		↓	1455	↓	↓	↓										↓	
-3	MW-9			1447														
-4	RW-7			1432														
-5	RW-8			1439														
-6	RW-6			1413														
-7	PZ-4			1406														
-8	PZ-20			1355														
-9	PZ-21			1343														2D3
-10	MW-2A			1600														
-11	DUP		↓		↓	↓	↓										↓	
-12	Trip Blank						2										X	

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB- Equipment Blank; RB- Rinse Blank; TB-Trip Blank

Turnaround Time (Business days)

- [x] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (SGS Accutest PM): / Date:

Data Deliverable Information

- [x] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

INITIAL ASESSMENT
LABEL VERIFICATION

ACCUTEST SYRACUSE

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	4/21 1620	1	2		2
Relinquished by Sampler: 3 FEDX	Date Time: 4-22-16 920	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	☐ Intact ☐ Not intact; Preserved where applicable ☐	On Ice ☑ Cooler Temp. 2.5°C

MC45479: Chain of Custody
Page 1 of 2

SGS Accutest Sample Receipt Summary

Job Number: MC45479 **Client:** ENVIROSPEC ENG **Project:** Maestri Project

Date / Time Received: 4/22/2016 9:30:00 AM **Delivery Method:** FedEx **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (2.5/2.5);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Thermometer ID:	IRGUN1;		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

MC45479: Chain of Custody
Page 2 of 2

e-Hardcopy 2.0
Automated Report

Technical Report for

Envirospec Engineering

MAESTRI 2016 Monitoring

E16-1378

SGS Accutest Job Number: MC48440

Sampling Date: 10/24/16

Report to:

Envirospec Engineering
349 Northern Blvd.
Albany, NY 12204
tedgington@envirospeceng.com

ATTN: Travis Edgington

Total number of pages in report: 22

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

H. (Brad) Madadian
Lab Director

Client Service contact: Robert Soll 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO (MA00136) MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

Sections: 1 2 3 4

Table of Contents

Sample Summary

Envirospec Engineering

Job No: MC48440

MAESTRI 2016 Monitoring
Project No: E16-1378

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC48440-1	10/24/16	14:40	AP	10/25/16	AQ	Ground Water	MW-9
MC48440-2	10/24/16	14:30	AP	10/25/16	AQ	Ground Water	MW-2A
MC48440-3	10/24/16	14:50	AP	10/25/16	AQ	Ground Water	RW-3
MC48440-4	10/24/16	14:45	AP	10/25/16	AQ	Ground Water	RW-5
MC48440-5	10/24/16	13:40	AP	10/25/16	AQ	Ground Water	RW-6
MC48440-6	10/24/16	14:10	AP	10/25/16	AQ	Ground Water	RW-7
MC48440-7	10/24/16	14:20	AP	10/25/16	AQ	Ground Water	RW-8
MC48440-8	10/24/16	13:30	AP	10/25/16	AQ	Ground Water	PZ-4
MC48440-9	10/24/16	12:56	AP	10/25/16	AQ	Ground Water	PZ-20
MC48440-10	10/24/16	13:11	AP	10/25/16	AQ	Ground Water	PZ-21
MC48440-11	10/24/16	00:00	AP	10/25/16	AQ	Ground Water	DUP
MC48440-12	10/24/16	00:00	AP	10/25/16	AQ	Trip Blank Water	TRIP BLANK

Summary of Hits

Job Number: MC48440
Account: Envirospec Engineering
Project: MAESTRI 2016 Monitoring
Collected: 10/24/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC48440-1	**MW-9**					
No hits reported in this sample.						
MC48440-2	**MW-2A**					
Xylenes (total)		68.3	1.0		ug/l	EPA 624
MC48440-3	**RW-3**					
No hits reported in this sample.						
MC48440-4	**RW-5**					
No hits reported in this sample.						
MC48440-5	**RW-6**					
Xylenes (total)		88.9	1.0		ug/l	EPA 624
MC48440-6	**RW-7**					
No hits reported in this sample.						
MC48440-7	**RW-8**					
No hits reported in this sample.						
MC48440-8	**PZ-4**					
Xylenes (total)		4.3	1.0		ug/l	EPA 624
MC48440-9	**PZ-20**					
No hits reported in this sample.						
MC48440-10	**PZ-21**					
No hits reported in this sample.						
MC48440-11	**DUP**					
Xylenes (total)		94.5	1.0		ug/l	EPA 624

Summary of Hits

Job Number: MC48440
Account: Envirospec Engineering
Project: MAESTRI 2016 Monitoring
Collected: 10/24/16

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

MC48440-12 TRIP BLANK

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	MC48440-1	**Date Sampled:**	10/24/16
Matrix:	AQ - Ground Water	**Date Received:**	10/25/16
Method:	EPA 624	**Percent Solids:**	n/a
Project:	MAESTRI 2016 Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K101399.D	1	10/27/16	AD	n/a	n/a	MSK3150
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
1330-20-7	Xylenes (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8 (SUR)	109%		86-114%
460-00-4	4-Bromofluorobenzene (SUR)	105%		81-116%
1868-53-7	Dibromofluoromethane	98%		72-138%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-2A		
Lab Sample ID:	MC48440-2	**Date Sampled:**	10/24/16
Matrix:	AQ - Ground Water	**Date Received:**	10/25/16
Method:	EPA 624	**Percent Solids:**	n/a
Project:	MAESTRI 2016 Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K101415.D	1	10/27/16	AD	n/a	n/a	MSK3150
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
1330-20-7	Xylenes (total)	68.3	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8 (SUR)	109%		86-114%
460-00-4	4-Bromofluorobenzene (SUR)	102%		81-116%
1868-53-7	Dibromofluoromethane	99%		72-138%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RW-3
Lab Sample ID: MC48440-3
Matrix: AQ - Ground Water
Method: EPA 624
Project: MAESTRI 2016 Monitoring

Date Sampled: 10/24/16
Date Received: 10/25/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K101400.D	1	10/27/16	AD	n/a	n/a	MSK3150
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
1330-20-7	Xylenes (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8 (SUR)	112%		86-114%
460-00-4	4-Bromofluorobenzene (SUR)	107%		81-116%
1868-53-7	Dibromofluoromethane	99%		72-138%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW-5		
Lab Sample ID:	MC48440-4	**Date Sampled:**	10/24/16
Matrix:	AQ - Ground Water	**Date Received:**	10/25/16
Method:	EPA 624	**Percent Solids:**	n/a
Project:	MAESTRI 2016 Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K101401.D	1	10/27/16	AD	n/a	n/a	MSK3150
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
1330-20-7	Xylenes (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8 (SUR)	113%		86-114%
460-00-4	4-Bromofluorobenzene (SUR)	103%		81-116%
1868-53-7	Dibromofluoromethane	98%		72-138%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RW-6
Lab Sample ID: MC48440-5
Matrix: AQ - Ground Water
Method: EPA 624
Project: MAESTRI 2016 Monitoring

Date Sampled: 10/24/16
Date Received: 10/25/16
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K101416.D	1	10/27/16	AD	n/a	n/a	MSK3150
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
1330-20-7	Xylenes (total)	88.9	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8 (SUR)	112%		86-114%
460-00-4	4-Bromofluorobenzene (SUR)	102%		81-116%
1868-53-7	Dibromofluoromethane	97%		72-138%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW-7		
Lab Sample ID:	MC48440-6	**Date Sampled:**	10/24/16
Matrix:	AQ - Ground Water	**Date Received:**	10/25/16
Method:	EPA 624	**Percent Solids:**	n/a
Project:	MAESTRI 2016 Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K101407.D	1	10/27/16	AD	n/a	n/a	MSK3150
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
1330-20-7	Xylenes (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8 (SUR)	114%		86-114%
460-00-4	4-Bromofluorobenzene (SUR)	104%		81-116%
1868-53-7	Dibromofluoromethane	98%		72-138%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RW-8		
Lab Sample ID:	MC48440-7	**Date Sampled:**	10/24/16
Matrix:	AQ - Ground Water	**Date Received:**	10/25/16
Method:	EPA 624	**Percent Solids:**	n/a
Project:	MAESTRI 2016 Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K101402.D	1	10/27/16	AD	n/a	n/a	MSK3150
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
1330-20-7	Xylenes (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8 (SUR)	114%		86-114%
460-00-4	4-Bromofluorobenzene (SUR)	103%		81-116%
1868-53-7	Dibromofluoromethane	96%		72-138%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PZ-4		
Lab Sample ID:	MC48440-8	**Date Sampled:**	10/24/16
Matrix:	AQ - Ground Water	**Date Received:**	10/25/16
Method:	EPA 624	**Percent Solids:**	n/a
Project:	MAESTRI 2016 Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K101405.D	1	10/27/16	AD	n/a	n/a	MSK3150
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
1330-20-7	Xylenes (total)	4.3	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8 (SUR)	113%		86-114%
460-00-4	4-Bromofluorobenzene (SUR)	104%		81-116%
1868-53-7	Dibromofluoromethane	100%		72-138%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PZ-20		
Lab Sample ID:	MC48440-9	**Date Sampled:**	10/24/16
Matrix:	AQ - Ground Water	**Date Received:**	10/25/16
Method:	EPA 624	**Percent Solids:**	n/a
Project:	MAESTRI 2016 Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K101403.D	1	10/27/16	AD	n/a	n/a	MSK3150
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
1330-20-7	Xylenes (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8 (SUR)	113%		86-114%
460-00-4	4-Bromofluorobenzene (SUR)	102%		81-116%
1868-53-7	Dibromofluoromethane	99%		72-138%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PZ-21		
Lab Sample ID:	MC48440-10	**Date Sampled:**	10/24/16
Matrix:	AQ - Ground Water	**Date Received:**	10/25/16
Method:	EPA 624	**Percent Solids:**	n/a
Project:	MAESTRI 2016 Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K101404.D	1	10/27/16	AD	n/a	n/a	MSK3150
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
1330-20-7	Xylenes (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8 (SUR)	116% [a]		86-114%
460-00-4	4-Bromofluorobenzene (SUR)	102%		81-116%
1868-53-7	Dibromofluoromethane	98%		72-138%

(a) Outside control limits. Associated target analytes are non-detect.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP		
Lab Sample ID:	MC48440-11	**Date Sampled:**	10/24/16
Matrix:	AQ - Ground Water	**Date Received:**	10/25/16
Method:	EPA 624	**Percent Solids:**	n/a
Project:	MAESTRI 2016 Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K101417.D	1	10/27/16	AD	n/a	n/a	MSK3150
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
1330-20-7	Xylenes (total)	94.5	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8 (SUR)	108%		86-114%
460-00-4	4-Bromofluorobenzene (SUR)	103%		81-116%
1868-53-7	Dibromofluoromethane	101%		72-138%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	MC48440-12	**Date Sampled:**	10/24/16
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/25/16
Method:	EPA 624	**Percent Solids:**	n/a
Project:	MAESTRI 2016 Monitoring		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	K101398.D	1	10/27/16	AD	n/a	n/a	MSK3150
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
1330-20-7	Xylenes (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8 (SUR)	107%		86-114%
460-00-4	4-Bromofluorobenzene (SUR)	105%		81-116%
1868-53-7	Dibromofluoromethane	98%		72-138%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

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FED-EX Tracking # | Bottle Order Control #

Accutest Quote # | Accutest Job # MC48440

Client / Reporting Information

Company Name: Envirospec Engineering
Street Address: 349 Northern Blvd, Suite 3
City: Albany State: NY Zip: 12204
Project Contact: Andrew Pieroni E-mail: apieroni@envirospeceng.com
Phone #: 518-453-2203 Fax #:
Sampler(s) Name(s): Andrew Pieroni Phone #: 518-433-2203

Project Information

Project Name: Maestri Project
Street:
City:
Project#:
Client PO#: E16-1378
Project Manager:

Billing Information (If different from Report to)

Company Name:
Street Address:
City State Zip:
Attention: PO#

Requested Analysis (see TEST CODE sheet)

Xylenes EPA 624

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB- Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	LAB USE ONLY
1	MW-9		10/24/16	1440	AP	GW	3	X									
2	MW-2A		10/24/16	1430	AP	GW	3	X									
3	RW-3		10/24/16	1450	AP	GW	3	X									
4	RW-5		10/24/16	1445	AP	GW	3	X									
5	RW-6		10/24/16	1340	AP	GW	3	X									
6	RW-7		10/24/16	1410	AP	GW	3	X									
7	RW-8		10/24/16	1420	AP	GW	3	X									
8	PZ-4		10/24/16	1330	AP	GW	3	X									
9	PZ-20		10/24/16	1256	AP	GW	3	X									
10	PZ-21		10/24/16	1311	AP	GW	3	X									
11	DUP				AP	GW	3	X									
12	Trip Blank						2	X									

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [x] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Labtink

Data Deliverable Information

- [x] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

Use 3F1

ACCUTEST SYRACUSE-SC

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		10-24	1 Chris Parker	2		2
3	Fedex	10/25/16 930	3	4		4
5			5	Custody Seal #	[x] Intact [ ] Not intact	Preserved where applicable [ ] On Ice [-] Cooler Temp. 0.5°C

SGS Accutest Sample Receipt Summary

Job Number: MC48440 **Client:** ENVIROSPEC **Project:** MAESTRI

Date / Time Received: 10/25/2016 9:30:00 AM **Delivery Method:** FEDEX **Airbill #'s:** 7775 4599 0790

Cooler Temps (Initial/Adjusted): #1: (0.5/0.5);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IRGUN1		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☑	☐	
2. Trip Blank listed on COC:	☑	☐	
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☑	☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample rec'd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☐	☑	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume rec'd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

-12 Trip Blank: Analysis not checked off. Hold?

Sample Receipt Summary - Problem Resolution

Job Number: MC48440

CSR: Rob Soll **Response Date** 10/26/2016

Response: Run the trip blank for Xylenes, see email on file.

MC48440: Chain of Custody
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