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December 02, 2016

Mr. Thomas Biel New York State Department of Environmental Conservation (NYSDEC) Region 7 Office Division of Environmental Remediation 615 Erie Boulevard West Syracuse, NY 13204

**Re:** Stauffer Management Company, LLC- Maestri Site

NYSDEC Site No. 7-34-025 900 State Fair Boulevard Town of Geddes, NY

Mr. Biel,

Enclosed is the October 2016 Semi-Annual Groundwater Monitoring Report for the Maestri Site, prepared by Envirospec Engineering, PLLC on behalf of Stauffer Management Company, LLC (SMC).

Should you have any questions, please do not hesitate to contact me at (518) 453-2203.

Sincerely,

### Gianna Aiezza

Gianna Aiezza, P.E. Principal Engineer

Enc.

Cc: R. Jones, NYSDOH

C. Elmendorf, SMC

## STAUFFER MANAGEMENT COMPANY MAESTRI SITE

GEDDES, NEW YORK

## SEMI-ANNUAL GROUNDWATER MONITORING REPORT

**October 2016 Sampling** 

## POST GROUNDWATER COLLECTION / TREATMENT SYSTEM SHUTDOWN

Prepared for:

Stauffer Management Co. 1800 Concord Pike Wilmington, DE 19850-5437

Prepared by:



349 Northern Blvd. Suite 3 Albany, NY 12204

Envirospec Engineering Project E16-1370

Date Prepared: December 2016

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### 1.0 INTRODUCTION

This report addresses the semiannual groundwater sampling event that was completed on October 24, 2016 at the Stauffer Management Company (SMC) Maestri Site (the "Site").

A Site map showing the location of site monitoring wells, recovery wells, and piezometers is attached as Figure 1.

### 2.0 SITE BACKGROUND

The groundwater treatment system at the SMC Maestri Site began operation in 1996. On May 8, 2008, SMC submitted a request to the New York State Department of Environmental Conservation (NYSDEC) to shut down the treatment system.

SMC agreed to conduct weekly Site inspections and monthly sampling of eight (8) perimeter monitoring wells for the first three (3) months following shutdown, from June to August 2008. The elevations of Site monitoring wells were also monitored on a monthly basis during this time. After the three (3) month period, sampling and reporting was conducted quarterly from November 2008 to June 2009.

In June 2009, a new monitoring well (PZ-20) was installed downgradient of the Site in the Alhan Parkway residential area (153 Alhan Parkway) to verify that the Site groundwater contamination plume was not migrating towards this residential area. A second downgradient monitoring well (PZ-21) was installed at 151 Alhan Parkway in June 2012. The locations of PZ-20 and PZ-21 are shown on Figures 1 and 2.

Based on groundwater monitoring results in November 2009, Envirospec requested NYSDEC approval to change the groundwater sampling frequency from quarterly to semiannual. On November 13, 2009, the NYSDEC granted the request.

### 3.0 GROUNDWATER SAMPLING – OCTOBER 2016

The 2<sup>nd</sup> 2016 semi-annual groundwater sampling event was conducted on October 24, 2016. Prior to monitoring well purging, all Site monitoring wells were gauged for static water level. A table of groundwater elevations from the October 24, 2016 sampling event is included as Table 1 below. A groundwater contour map depicting calculated site groundwater elevations is provided as Figure 2A.



Table 1

Groundwater Elevations – October 24, 2016								
Well Number	Measuring Point Elevation	Depth to Water	Groundwater Elevation					
MW-9	408.87	13.70	395.17					
MW-10	413.82	16.50	397.32					
MW-12	418.28	12.20	406.08					
MW-14	405.17	14.40	390.77					
PZ-2	407.23	9.50	397.73					
PZ-3	409.60	18.40	391.2					
PZ-4	394.37	6.20	388.17					
PZ-5	393.37	4.70	388.67					
PZ-6	410.15	19.90	390.25					
PZ-7	409.13	17.40	391.73					
PZ-9	408.69	16.00	392.69					
PZ-10	407.04	15.00	392.04					
PZ-12	408.17	15.80	392.37					
PZ-13	407.12	11.90	395.22					
PZ-14	408.44	11.80	396.64					
PZ-15	406.74	15.40	391.34					
PZ-18	406.30	14.90	391.4					
PZ-19	406.88	14.90	391.98					
PZ-20	386.00	4.40	381.6					
PZ-21	386.70	0.00	386.7					
MW-2A (formerly RW-2)	406.40	15.10	391.3					
RW-3	407.01	15.20	391.81					
RW-5	409.18	20.10	389.08					
RW-6	393.64	4.90	388.74					
RW-7	405.76	14.60	391.16					
RW-8	406.81	16.30	390.51					

A minimum of three (3) monitoring well volumes were purged from each of the monitoring wells scheduled for sampling except for RW-5, which went dry after two (2) monitoring well volumes were purged. Monitoring wells were purged with a two (2)-inch submersible Grundfos pump and poly tubing, a two (2)-inch disposable polyethylene bailer, or internal well pumps controlled from the treatment shed. Purged water was collected and containerized in a mobile poly tank. The containerized water will be transported off-Site for disposal at a regulated



ND < 1.0

4.3

ND < 1.0

ND < 1.0

ND < 1.0

disposal facility. Field data, including pH, temperature, conductivity, turbidity, oxidation/reduction potential, dissolved oxygen, and total dissolved solids (TDS), were recorded after each well volume removed. A summary of the field data and the total volume of groundwater purged are presented in Table 4. All samples were collected using disposable bailers following well purging activities. The monitoring well sampling field reports are included as Attachment 1.

A duplicate sample was collected from RW-6 for laboratory and sampling quality assurance/quality control purposes. The result of the duplicate sample, as shown in Table 3, was consistent with the original sample. A trip blank was generated to ensure no cross contamination or outside contamination was present.

### 4.0 GROUNDWATER QUALITY

MW-9

PZ-4

PZ-20 PZ-21

**TRIP** 

Samples were sent to Accutest Laboratories (Accutest) in Marlborough, MA, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory, following typical chain of custody procedures for xylene analysis via EPA Method 624. The analytical results are included as Attachment 2. A summary of results from this sampling round is presented in Tables 2 below as well as in the attached Table 3.

**SSCG** October 2016 Well Number (ppb) **Xylene Concentration (ppb)** RW-3 ND < 1.0RW-5 ND < 1.0RW-6 88.9 (94.5) ND < 1.0RW-7 ND < 1.0RW-8 68.3 MW-2A 5

**Table 2 Summary of Xylene Concentration in Groundwater** 

**Note:** *Duplicate sample represented in (parentheses).* 

Xylene concentrations at RW-6 and MW-2A continue to show fluctuations across semi-annual sampling events. The current xylene concentration at RW-6 is 88.9 ppb (94.5 ppb in the duplicate). The xylene concentration reported at RW-6 from the April 2016 sampling event was 707 ppb. The current xylene concentration at MW-2A is 68.3 ppb. The xylene concentration reported at MW-2A from the April 2016 sampling event was 261 ppb.



Xylene results for offsite down gradient monitoring wells PZ-20 and PZ-21 were non-detect, consistent with historical data.

### 5.0 SITE INSPECTIONS

Since August 2008, Site inspections were conducted during each groundwater sampling event. Items reviewed during the Site inspections included Site security, recovery and monitoring well water elevations, general site maintenance, erosion control, condition of neighboring properties and general observations of Site conditions (i.e. appearance of sink holes, odors, vegetation growth, etc). A copy of the Site inspection report completed during the October 2016 sampling event is included as Attachment 3.

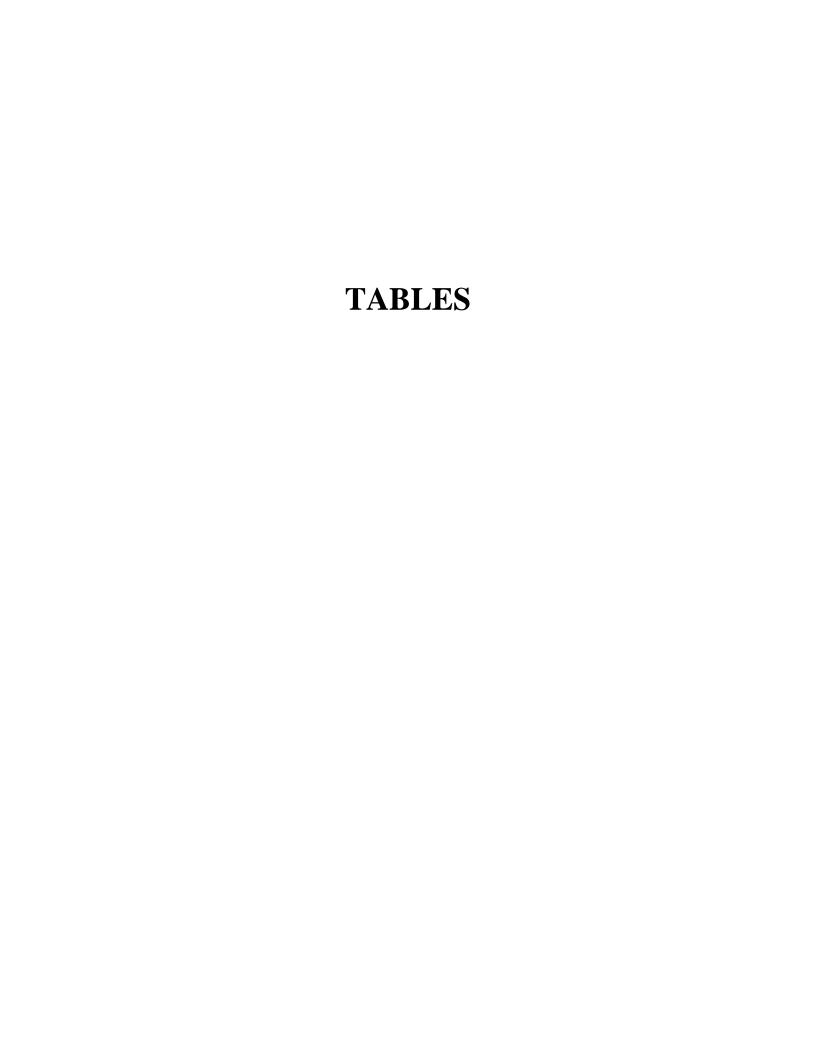
### 6.0 SUMMARY

There have been no observed flooding events that have appeared to have compromised the effectiveness of the Engineering Controls (i.e. soil cover and vegetation) in place at the Site since the groundwater treatment system shutdown.

Based on the October 2016 sampling results, Site groundwater quality continues to show seasonal fluctuations in total xylene concentrations.

The next semi-annual sampling and Site inspection will be completed during Spring 2017. The NYSDEC will be notified prior to the sampling event.





## Table 3 Summary of Total Xylene Concentrations (ppb)

Stauffer Management Company Maestri Site

Sample Date	RW-1	RW-2 <sup>2</sup>	RW-3	RW-4	RW-5	RW-6	RW-7	RW-8	MW-2A <sup>2</sup>	MW-9	PZ-4	PZ-20	PZ-21
2-May-06	**	****	<3.0	**	<3.0	58	<30	< 3.0	2400			****	*****
6-Jun-06	**	****	<3.0	**	<3.0	9	102	< 3.0				****	*****
4-Jul-06	**	****	<3.0	**	<3.0	34	130	-	665			****	*****
1-Aug-06	**	****	5	**	<3.0	63	90	< 3.0				****	*****
3-Oct-06	**	****	3.3	**	<3.0	3	55		<3.0			****	*****
2-Jan-07	**	****	<3.0	**	<3.0	29	40		<3.0			****	*****
3-Apr-07	**	****	INC	**	<3.0	145	3.7		6.4			****	*****
3-Jul-07	**	****	< 3.0	**	<3.0	<3.0	< 3.0		410			****	*****
2-Oct-07	**	****	< 3.0	**	<3.0	30	6		1025			****	*****
7-Jan-08	**	****	< 3.0	**	14	52	< 3.0		3.0	11		****	*****
1-Apr-08	**	****	22	**	<3.0	27	15	1	987			****	*****
Treatment Sys	tem Sh	ıtdown	on May 27th,	2008									
Jun-08	**	****	6.1	**	<3.0	84	119	<3.0	68 (54)	964	< 3.0	****	*****
Jul-08	**	****	4.4	**	<3.0 (< 3.0)	71	124	< 3.0	1,700	1,800	< 3.0	****	*****
Aug-08	**	****	4.3	**	<3.0	148	104	<3.0	1,770 (1,200)	1,795	< 3.0	****	*****
Nov-08	**	****	<3.0	**	<3.0	158	73	<3.0	16	73	< 3.0	****	*****
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

NS = Not Sampled.

INC - Inconclusive laboratory result

Value in parenthesis is duplicate sample result

<sup>\*\* -</sup> Wells No. 1 and 4 were removed as part of the excavation.

<sup>\*\*\* -</sup> Pump in Well 5 was moved to Well 8.

<sup>\*\*\*\* -</sup> RW2 changed to monitoring well MW-2A

<sup>\*\*\*\*\*-</sup> PZ-20 was installed on June 24, 2009

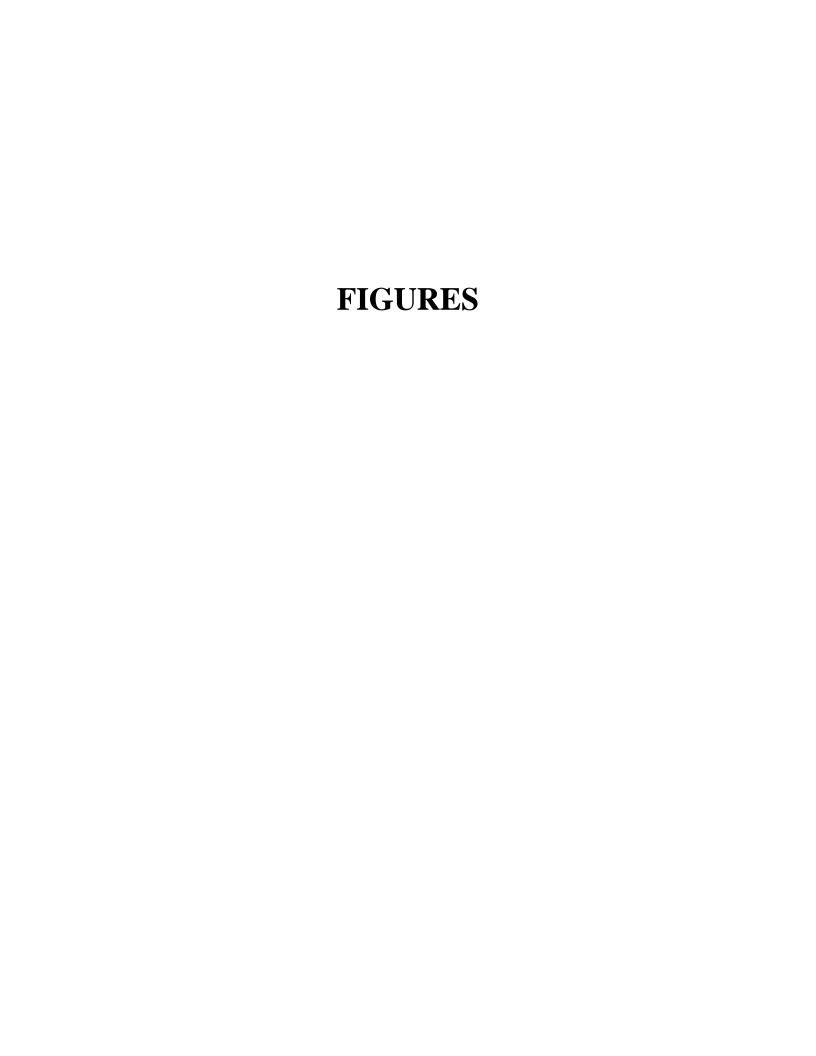
<sup>\*\*\*\*\*\*</sup> PZ-21 was installed on June 7, 2012

<sup>&</sup>lt;sup>2</sup> RW-2 was changed to a monitoring well (MW-2A) in April 2006

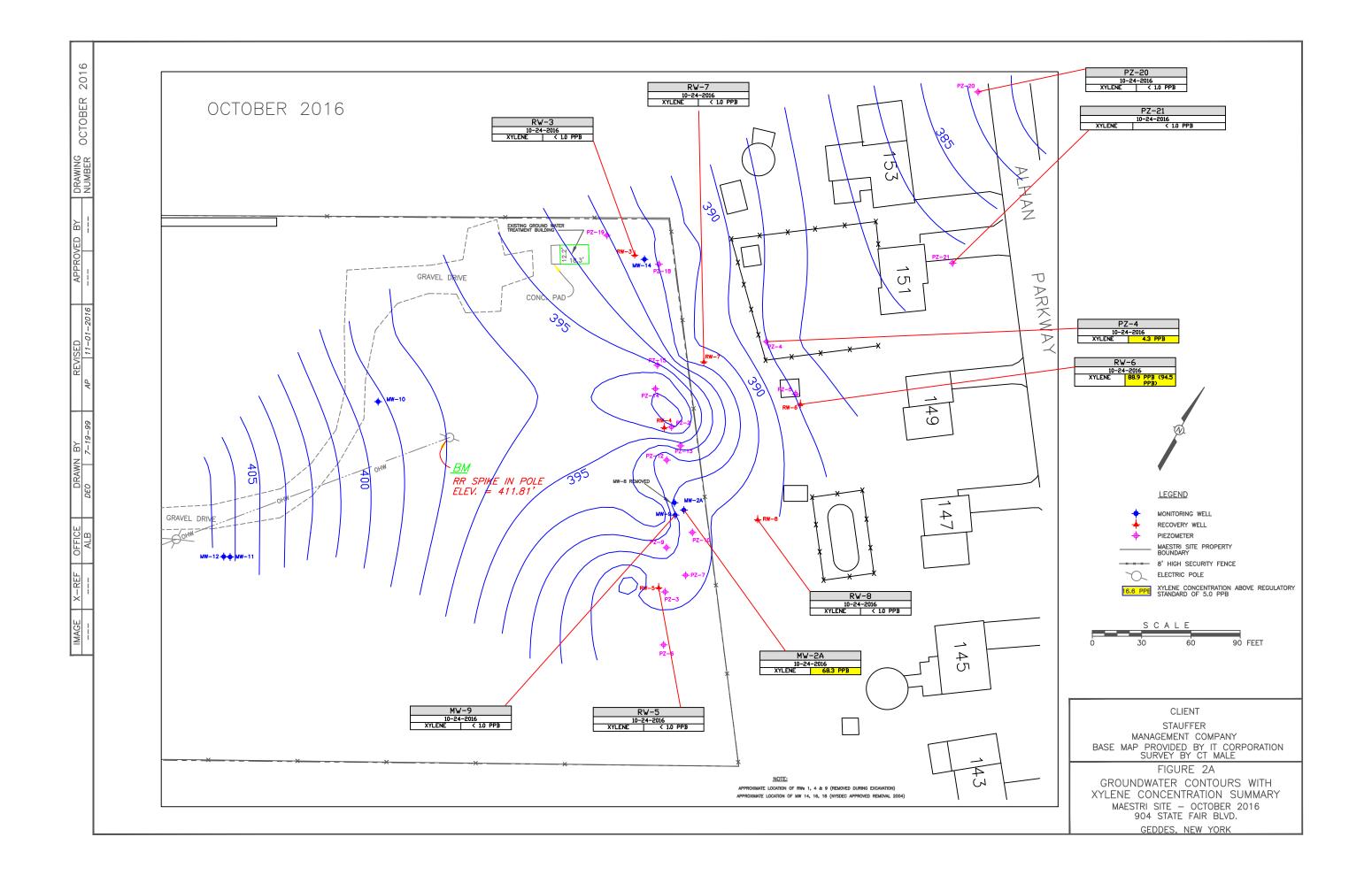
Table 4
Summary of October 2016 Groundwater Gauging and Field Water Quality Data

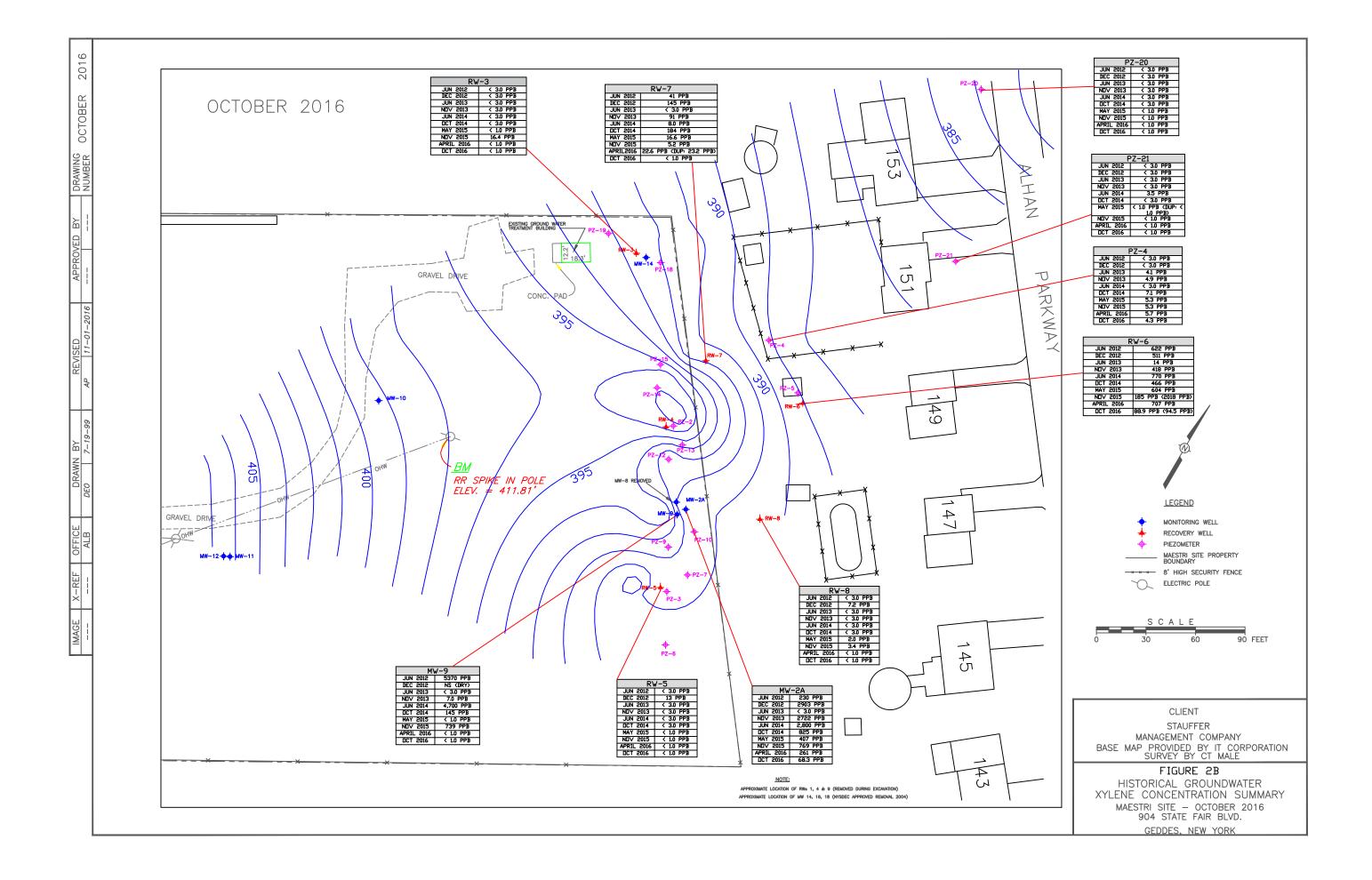
Stauffer Management Company Maestri Site

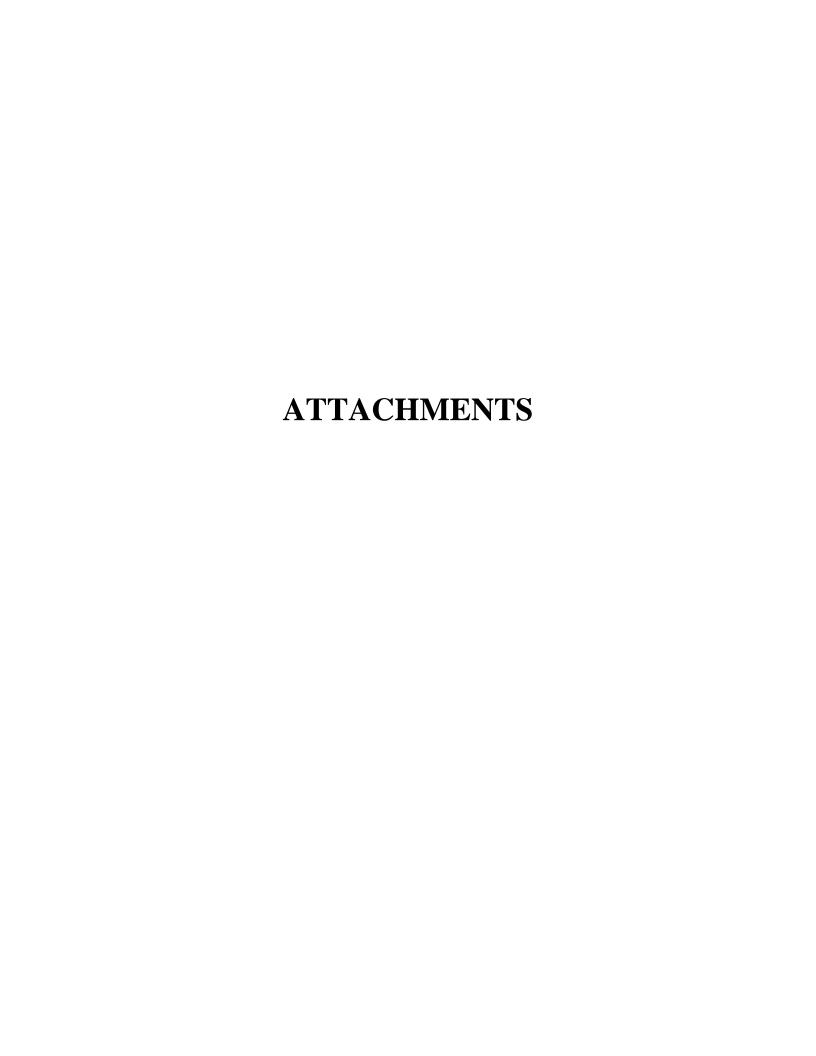
Monitoring Well	Date Sampled	Diameter (in)	Total Well Depth (ft bgs)	Top of Casing to Grade (ft)	Depth to Water (ft)	Water Column Height (ft)	Purged Volume (gal)	Final pH	Final Temp (deg C)	Final Conductivity (mS/cm)	Final TDS (ppm)	ORP (mV)	Turbidity (NTU)	DO (mg/L)
MW-9	10/24/2016	2	19.60	1.0	13.7	6.90	3.37	6.93	14.41	0.911	0.583	-4	10.1	1.89
MW-2A (formerly RW-2)	10/24/2016	8	20.64	2.7	15.10	8.24	64.00	6.94	12.04	1.11	0.711	-9	4.9	1.16
RW-3	10/24/2016	6	25.33	1.0	15.20	11.13	49.00	7.08	12.39	1.04	0.666	-30	9.4	2.89
RW-5	10/24/2016	6	24.53	1.0	20.10	5.43	23.94	7.32	14.34	0.655	0.424	-92	12.5	2.34
RW-6	10/24/2016	6	21.86	0.0	4.90	16.96	74.79	8	13.82	1.21	0.78	-101	21.8	3.7
RW-7	10/24/2016	6	27.50	1.0	14.60	13.90	61.29	7.06	11.37	1.38	0.883	-18	7.5	2.14
RW-8	10/24/2016	6	24.50	1.0	16.30	9.20	40.57	7.04	10.79	0.77	0.493	-15	71.5	2.47
PZ-4	10/24/2016	2	19.50	0.0	6.20	13.30	6.50	8.87	11.68	2.09	1.33	-119	331	2.55
PZ-20	10/24/2016	2	20.00	0.0	4.40	15.60	7.60	7.22	14.33	1.22	0.78	-97	72.2	3.38
PZ-21	10/24/2016	2	19.50	0.0	0.00	19.50	9.50	7.38	12.25	1.17	0.757	-121	OR	1.47











### ATTACHMENT 1

Monitoring Well Sampling Field Reports



Fax: 518.689.4800

Well No:	MW-2A					
Date(s):		10/24/2016				
We	ather	Temperature				
Su	ınny	High:	50			
		Low:	40			
	Project No.	E16	-1370			

## Well Sampling Field Record

Project: Maestri Site Project No. E16-1370

Location: 904 State Fair Blvs, Syracuse, NY 13209

### Well Info

Well #:	MW-2A	Well Location:	Near Back Gate
Well Diameter (in):	8	Well Condition:	OK
A. Total Well Depth (ft bgs):	20.64	Depth to Bedrock (ft):	NA
B. TOC to Grade (ft):	2.7	TOC Elevation (ft):	406.4
C. Depth to Water TOC (ft):	15.1	G. Well Volume Factors:	1" = 0.041
D. Water Column Height (ft):	8.24	= (A + B) - C	2" = 0.163   6" = 1.47   10" = 4.08
E. Total Well Volume (gal):	21.00	= D*G	3" = 0.367
F. Purge (3 volumes) (gal):	64.00	= E*3	4" = 0.653   8" = 2.61   12" = 5.88

### Purge

Purge Date:	10/24/2016	Pump/Method:	Grundfos
Purge Start Time:	1:15 PM	Approx Flow Rate:	1.75 gallons/minute
Purge Stop Time:	1:51 PM	Approx Volume Removed:	64.00
Did well dry out?	no		

Sampling			I	II	III	IV
Date:	10/24/2016	pH:	7.44	7.08	6.95	6.94
Time:	14:30	Temp (°C):	10.78	11.51	12	12.04
Sample ID:	MW-2A	Conductivity (mS/cm):	2.63	1.43	1.11	1.11
Sample Method:	Bailer	TDS (g/L):	1.68	0.918	0.712	0.711
		ORP (mV):	-50	-26	-3	-9
		Tubidity (NTU):	41.4	12	5.4	4.9
		DO (mg/L):	1.73	1.33	1.24	1.16

**Appearance** 

	ly tı	

K	emoved	excess	water	untıl	water	quality	staba	lized
---	--------	--------	-------	-------	-------	---------	-------	-------



Fax: 518.689.4800

Well No:	MW-9			
Date(s):	10/24/2016			
We	ather	Ter	nperature	
St	ınny	High:	50	
		Low:	40	
	Project No.	F	16-1370	

## Well Sampling Field Record

Project: Maestri Site Project No. E16-1370

Location: 904 State Fair Blvs, Syracuse, NY 13209

### Well Info

Well #:	MW-9	Well Location:		Near Back	Gate
Well Diameter (in):	2	Well Condition:		OK	
A. Total Well Depth (ft bgs):	19.6	Depth to Bedrock (ft):		NA	
B. TOC to Grade (ft):	1	TOC Elevation (ft):		408.87	'
C. Depth to Water TOC (ft):	13.7	G. Well Volume Factors:	1" = 0.041	5" = 1.02	9" = 3.31
D. Water Column Height (ft):	6.9	= (A + B) - C	2" = 0.163	6" = 1.47	10" = 4.08
E. Total Well Volume (gal):	1.12	= D*G	3" = 0.367	7" = 1.99	11" = 4.93
F. Purge (3 volumes) (gal):	3.37	=E*3	4" = 0.653	8" = 2.61	12" = 5.88

### Purge

Purge Date:	10/24/2016	Pump/Method:	Bailer
Purge Start Time:	12:24	Approx Flow Rate:	0.25 gallons/minute
Purge Stop Time:	12:40	Approx Volume Removed:	4 gallons
Did well dry out?	no		

Sampling	I	II	III

Date:	10/24/2016	pH:	7.12	7.02	6.93
Time:	14:40	Temp (°C):	14.21	14.42	14.41
Sample ID:	MW-9	Conductivity (mS/cm):	0.848	0.886	0.911
Sample Method:	Bailer	TDS (g/L):	0.543	0.567	0.583
		ORP (mV):	-5	-6	-4
		Tubidity (NTU):	7.4	8.3	10.1
		DO (mg/L):	2	1.81	1.89

**Appearance** 

Clear during purging.



Fax: 518.689.4800

Well No:	RW-3			
Date(s):		10/24/2016		
V	Weather		emperature	
Sunny		High:	50	
		Low:	40	
	Project No.	E16-1370		

Well Sampling Field Record
Project: Maestri Site

Location: 904 State Fair Blvs, Syracuse, NY 13209

### Well Info

Well #:	RW-3	Well Location:	Inside fence, northeast corner side		east corner side
Well Diameter (in):	6	Well Condition:		OK	
A. Total Well Depth (ft bgs):	25.33	Depth to Bedrock (ft):	NA		
B. TOC to Grade (ft):	1	TOC Elevation (ft):		407.0	1
C. Depth to Water TOC (ft):	15.2	G. Well Volume Factors:	1" = 0.041	5" = 1.02	9" = 3.31
D. Water Column Height (ft):	11.13	= (A + B) - C	2" = 0.163	6" = 1.47	10" = 4.08
E. Total Well Volume (gal):	16.36	= D*G	3" = 0.367	7" = 1.99	11" = 4.93
F. Purge (3 volumes) (gal):	49.00	= E*3	4" = 0.653	8" = 2.61	12" = 5.88

**Purge** 

Purge Date:	10/24/2016	Pump/Method:	Grundfos
Purge Start Time:	14:00	Approx Flow Rate:	1.5 gallons/minute
Purge Stop Time:	14:33	Approx Volume Removed:	49.5 gallons
Did well dry out?	no		

Sampling			I	II	III
Date:	10/24/2016	pH:	6.95	6.95	7.08
Time:	14:50	Temp (°C):	11.14	12.12	12.39
Sample ID:	RW-3	Conductivity (mS/cm):	1.03	0.896	1.04
Sample Method:	Bailer	TDS (g/L):	0.657	0.573	0.666
-		ORP (mV):	-36	-26	-30
		Tubidity (NTU):	4.3	8.7	9.4
		DO (mg/L):	2.12	2.82	2.89

### Appearance

Clear. Sulphur smell present



Fax: 518.689.4800

Well No:	RW-5		
Date(s):	10/24/2016		
W	eather Temperature		
S	unny	High:	50
		Low:	40
	Project No.	E10	6-1370

Well Sampling Field Record
Project: Maestri Site

Location: 904 State Fair Blvs, Syracuse, NY 13209

### Well Info

Well #:	RW-5	Well Location:	Inside fence, South side	
Well Diameter (in):	6	Well Condition:	OK	
A. Total Well Depth (ft bgs):	24.53	Depth to Bedrock (ft):	NA	
B. TOC to Grade (ft):	1	TOC Elevation (ft):	409.18	
C. Depth to Water TOC (ft):	20.1	G. Well Volume Factors:	1" = 0.041 5" = 1.02 9" = 3.31	
D. Water Column Height (ft):	5.43	= (A + B) - C	2" = 0.163   6" = 1.47   10" = 4.08	8
E. Total Well Volume (gal):	7.98	= D*G	3" = 0.367	3
F. Purge (3 volumes) (gal):	23.94	= E*3	4" = 0.653	8

### Purge

Purge Date:	10/24/2016	Pump/Method:	Pump House
Purge Start Time:	11:55	Approx Flow Rate:	0.83 gallons/minute
Purge Stop Time:	12:15	Approx Volume Removed:	16 gallons
Did well dry out?	yes		

Sampling I II III

Date:	10/24/2016	pH:	7.69	7.32	
Time:	14:45	Temp (°C):	14.45	14.34	
Sample ID:	RW-5	Conductivity (mS/cm):	0.709	0.655	
Sample Method:	Bailer	TDS (g/L):	0.455	0.424	
		ORP (mV):	-100	-92	
		Tubidity (NTU):	13.9	12.5	
		DO (mg/L):	2.69	2.34	

### Appearance

Clear during purging.

-			C.	1	_	11			
	)rıed	Out	atter	approximately	7	WAL	VO	lumae	nurged
L	ricu	Out	arter	approximater	y 🚄	WCH	V O	lumos	purgeu.



Phone: 518.453.220 Fax: 518.689.4800

	Well No:	RW-6				
	Date(s):	10/24/2016				
	W	eather	Temp	Temperature		
	Sunny		High:	50		
			Low:	40		
Project No.		E16	5-1370			

Well Sampling Field Record
Project: Maestri Site

Location: 904 State Fair Blvs, Syracuse, NY 13209

### **Well Info**

Well #:	RW-6	Well Location:	Backy	ard of resi	dence
Well Diameter (in):	6	Well Condition:		OK	
A. Total Well Depth (ft bgs):	21.86	Depth to Bedrock (ft):		NA	
B. TOC to Grade (ft):	Flush	TOC Elevation (ft):		393.64	
C. Depth to Water TOC (ft):	4.9	G. Well Volume Factors:	1" = 0.041 5	5" = 1.02	9" = 3.31
D. Water Column Height (ft):	16.96	= (A + B) - C	2" = 0.163 6	5" = 1.47	10" = 4.08
E. Total Well Volume (gal):	24.9	= D*G	3" = 0.367	7" = 1.99	11" = 4.93
F. Purge (3 volumes) (gal):	74.8	= E*3	4" = 0.653	3" = 2.61	12" = 5.88

### Purge

Purge Date:	10/24/2016	Pump/Method:	Pump House
Purge Start Time:	11:08	Approx Flow Rate:	2 gallons/minute
Purge Stop Time:	11:50	Approx Volume Removed:	84 gallons
Did well dry out?	no		

Sampling			I	II	III
Date:	10/24/2016	pH:	8.39	8.12	8
Time:	13:14	Temp (°C):	13.28	13.8	13.82
Sample ID:	RW-6	Conductivity (mS/cm):	0.966	1.16	1.21
Sample Method:	Bailer	TDS (g/L):	0.618	0.742	0.78
		ORP (mV):	-80	-112	-101
		Tubidity (NTU):	30.5	20.5	21.8
		DO (mg/L):	3.32	3.95	3.7

### Appearance

Dark gray, cloudy at first, slight sulfur scent. Became clear after 1 well volume purged.

DUP Taken			



Phone: 518.453.220 Fax: 518.689.4800

Well No:	RW-7			
Date(s):	10/24/2016			
Weather		Temperature		
Sunny		High:	50	
		Low:	40	
	Project No.	E10	5-1370	

# Well Sampling Field Record Maestri Site

Location: 904 State Fair Blvs, Syracuse, NY 13209

### Well Info

Project:

* * * * * * * * * * * * * * * * * * * *					
Well #:	RW-7	Well Location:	Outsi	de fence ea	st side
Well Diameter (in):	6	Well Condition:		OK	
A. Total Well Depth (ft bgs):	27.5	Depth to Bedrock (ft):		NA	
B. TOC to Grade (ft):	1	TOC Elevation (ft):		405.76	
C. Depth to Water TOC (ft):	14.6	G. Well Volume Factors:	1" = 0.041	5" = 1.02	9" = 3.31
D. Water Column Height (ft):	13.9	= (A + B) - C	2" = 0.163	6" = 1.47	10" = 4.08
E. Total Well Volume (gal):	20.4	= D*G	3" = 0.367	7" = 1.99	11" = 4.93
F. Purge (3 volumes) (gal):	61.3	= E*3	4" = 0.653	8" = 2.61	12" = 5.88

### Purge

Purge Date:	10/24/2016	Pump/Method:	Grundfos
Purge Start Time:	12:45	Approx Flow Rate:	2 gallons/minute
Purge Stop Time:	12:17	Approx Volume Removed:	64 gallons
Did well dry out?	no		

Sampling			I	II	III	IV
Date:	10/24/2016	pH:	9.84	7.33	7.08	7.06
Time:	14:10	Temp (°C):	10.06	10.98	11.26	11.37
Sample ID:	RW-7	Conductivity (mS/cm):	4.69	1.67	11.38	1.38
Sample Method:	Bailer	TDS (g/L):	3	1.07	0.883	0.883
		ORP (mV):	-145	-54	-26	-18
		Tubidity (NTU):	43.4	12.3	8.4	7.5
		DO (mg/L):	6.41	2.06	1.96	2.14

### **Appearance**

A 1	1 /	1	
Amber	color/	odor	present

Removed excess wa	ater until water	quality stabalized
-------------------	------------------	--------------------



349 Northern Blvd Albany, NY 12204

Phone: 518.453.2203 Fax: 518.689.4800

Well No:		RW-8	
Date(s):	10/24/2016		
W	eather	Temp	erature
S	unny	High:	50
		Low:	40
_	Project No.	E16	5-1370

Well Sampling Field Record

Project: Maestri Site Project No. E16-1370

Location: 904 State Fair Blvs, Syracuse, NY 13209

### Well Info

Well #:	RW-8	Well Location:	Outside fence, north side, in path
Well Diameter (in):	6	Well Condition:	OK
A. Total Well Depth (ft bgs):	24.5	Depth to Bedrock (ft):	NA
B. TOC to Grade (ft):	1	TOC Elevation (ft):	406.81
C. Depth to Water TOC (ft):	16.3	G. Well Volume Factors:	1" = 0.041 5" = 1.02 9" = 3.31
D. Water Column Height (ft):	9.2	= (A + B) - C	2" = 0.163 6" = 1.47 10" = 4.08
E. Total Well Volume (gal):	13.5	= D*G	3" = 0.367
F. Purge (3 volumes) (gal):	40.6	= E*3	4" = 0.653 8" = 2.61 12" = 5.88

### **Purge**

Purge Date:	10/24/2016	Pump/Method:	Grundfos
Purge Start Time:	12:00	Approx Flow Rate:	1.5 gallons/minute
Purge Stop Time:	12:35	Approx Volume Removed:	41.0
Did well dry out?	no		

Sampling			I	II	III
Date:	10/24/2016	pH:	7.12	7.02	6.93
Time:	14:40	Temp (°C):	14.21	14.42	14.41
Sample ID:	MW-9	Conductivity (mS/cm):	0.848	0.886	0.911
Sample Method:	Bailer	TDS (g/L):	0.543	0.567	0.583
		ORP (mV):	-5	-6	-4
		Tubidity (NTU):	7.4	8.3	10.1
		DO(mg/L)	2	1.81	1 20

### **Appearance**

Clear during purging.

### **Comments**

Went dry after 2 well volumes removed. Lowered pump speed to approximately 1 gallon/minute for remaining well volume.



Fax: 518.689.4800

Well No:		PZ-4	
Date(s):	10/24/2016		
W	eather	Temp	perature
S	Sunny	High:	50
		Low:	40
	Project No.	E16	5-1370

## Well Sampling Field Record

Project: Maestri Site Project No. E16-1370

Location: 904 State Fair Blvs, Syracuse, NY 13209

### Well Info

Well #:	PZ-4	Well Location:	Backy	yard of resid	lence
Well Diameter (in):	2	Well Condition:		OK	
A. Total Well Depth (ft bgs):	19.5	Depth to Bedrock (ft):		NA	
B. TOC to Grade (ft):	Flush	TOC Elevation (ft):		394.37	
C. Depth to Water TOC (ft):	6.20	G. Well Volume Factors:	1" = 0.041	5" = 1.02	9" = 3.31
D. Water Column Height (ft):	13.3	= (A + B) - C	2" = 0.163	6" = 1.47	10" = 4.08
E. Total Well Volume (gal):	2.16	= D*G	3" = 0.367	7" = 1.99	11" = 4.93
F. Purge (3 volumes) (gal):	6.5	= E*3	4" = 0.653	8" = 2.61	12" = 5.88

### Purge

Purge Date:	10/24/2016	Pump/Method:	Bailer
Purge Start Time:	11:45	Approx Flow Rate:	0.25 gallons/minute
Purge Stop Time:	12:05	Approx Volume Removed:	6.5
Did well dry out?	no		

Sampling			I	II	III
Date:	10/24/2016	pH:	8.58	8.9	8.87
Time:	13:30	Temp (°C):	11.55	11.67	11.68
Sample ID:	PZ-4	Conductivity (mS/cm):	1.97	2.1	2.09
Sample Method:	Bailer	TDS (g/L):	1.26	1.34	1.33
		ORP (mV):	-111	-115	-119
		Tubidity (NTII):	244	315	331

Tubidity (NTU): 244 315 331

DO (mg/L): 2.15 2.59 2.55

### Appearance

Grayish hue/turbid.



Fax: 518.689.4800

Well No:		PZ-20	
Date(s):	10/24/2016		
W	Veather	Tem	perature
S	Sunny	High:	50
		Low:	40
	Project No.	E16	5-1370

Well Sampling Field Record

Project: Maestri Site
Location: 904 State Fair Blvs, Syracuse, NY 13209

### Well Info

Well #:	PZ-20	Well Location:		Off-site	
Well Diameter (in):	2	Well Condition:		OK	
A. Total Well Depth (ft bgs):	20	Depth to Bedrock (ft):		NA	
B. TOC to Grade (ft):	Flush	TOC Elevation (ft):		386	
C. Depth to Water TOC (ft):	4.4	G. Well Volume Factors:	1" = 0.041	5" = 1.02	9" = 3.31
D. Water Column Height (ft):	15.6	= (A + B) - C	2" = 0.163	6" = 1.47	10" = 4.08
E. Total Well Volume (gal):	2.54	= D*G	3" = 0.367	7" = 1.99	11" = 4.93
F. Purge (3 volumes) (gal):	7.6	= E*3	4" = 0.653	8" = 2.61	12" = 5.88

Purge

- u. g.			
Purge Date:	10/24/2016	Pump/Method:	Bailer
Purge Start Time:	11:00	Approx Flow Rate:	0.25 gallons/minute
Purge Stop Time:	11:18	Approx Volume Removed:	4 gallons
Did well dry out?	no		

Sampling Ι Π Ш Date: 10/24/2016 7.39 7.3 pH: 7.22 Time: 12:56 Temp (°C): 15.04 14.72 14.33 PZ-20 1.22 Sample ID: Conductivity (mS/cm): 1.23 1.22 Sample Method: Bailer TDS (g/L): 0.784 0.778 0.78 ORP (mV): -112 -110 -97 27.5 Tubidity (NTU): 84.3 72.2 DO (mg/L): 3.01 2.81 3.38

**Appearance** 

Clear during purging.			

Comments		



Fax: 518.689.4800

Well No:	PZ-21					
Date(s):	10/24/2016					
W	eather eather	Temperature				
S	Sunny	High:	50			
		Low:	40			
	Project No.	E16	5-1370			

Well Sampling Field Record

Maestri Site

Project: Maestri Site
Location: 904 State Fair Blvs, Syracuse, NY 13209

### Well Info

Well #:	PZ-21	Well Location:		Off-site	
Well Diameter (in):	2	Well Condition:		OK	
A. Total Well Depth (ft bgs):	19.5	Depth to Bedrock (ft):		NA	
B. TOC to Grade (ft):	Flush	TOC Elevation (ft):		386.7	
C. Depth to Water TOC (ft):		G. Well Volume Factors:	1" = 0.041	5" = 1.02	9" = 3.31
D. Water Column Height (ft):	19.5	= (A + B) - C	2" = 0.163	6" = 1.47	10" = 4.08
E. Total Well Volume (gal):	3.17	= D*G	3" = 0.367	7" = 1.99	11" = 4.93
F. Purge (3 volumes) (gal):	9.5	= E*3	4" = 0.653	8" = 2.61	12" = 5.88

### Purge

Purge Date:	10/24/2016	Pump/Method:	Bailer
Purge Start Time:	11:25	Approx Flow Rate:	0.25 gallons/minute
Purge Stop Time:	12:05	Approx Volume Removed:	10
Did well dry out?	No		

Sampling			I	II	III
Date:	10/24/2016	pH:	7.34	7.38	7.38
Time:	13:11	Temp (°C):	13	12.94	12.95
Sample ID:	PZ-21	Conductivity (mS/cm):	1.1	1.17	1.17
Sample Method:	Bailer	TDS (g/L):	0.704	0.751	0.757
		ORP (mV):	-102	-120	-121
		Tubidity (NTU):	50.8	OR	OR

Tubidity (NTU): 50.8 OR OR

DO (mg/L): 2.69 1.51 1.47

Appearance

### Rusty Color/Turbid.

Rusty Coloi, Turbia.

### **ATTACHMENT 2**

Laboratory Analytical Results



11/01/16

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.



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

TNI TNI TABORATORY

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)

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### **Sample Summary**

**Envirospec Engineering** 

**Job No:** MC48440

MAESTRI 2016 Monitoring Project No: E16-1378

Sample Number	Collected Date	Time By	Received	Matr Code		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

**Project:** MAESTRI 2016 **Collected:** 10/24/16

Lab Sample ID Client Sample ID Result/
Analyte 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/1 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 MAESTRI 2016 Monitoring **Project:** 

**Collected:** 10/24/16

Lab Sample ID Client Sample ID Result/ RLMethod Analyte Qual **MDL** Units

MC48440-12 TRIP BLANK

No hits reported in this sample.

Section 3

Sample Results		
Report of Analys	sis	

### Page 1 of 1

### **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 RLUnits Q 1330-20-7 Xylenes (total) 1.0 ND ug/1 Run# 2 CAS No. **Surrogate Recoveries** Run#1 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



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### **Report of Analysis**

Page 1 of 1

Client Sample ID: MW-2A

Lab Sample ID: MC48440-2 **Date Sampled:** 10/24/16 Matrix: **Date Received:** AQ - Ground Water 10/25/16 Method: EPA 624 Percent Solids: n/a

Project: MAESTRI 2016 Monitoring

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

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
2037-26-5 460-00-4 1868-53-7	Toluene-D8 (SUR) 4-Bromofluorobenzene (SUR) Dibromofluoromethane	109% 102% 99%		86-114% 81-116% 72-138%

ND = Not detected J = Indicates an estimated value

RL = Reporting Limit B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Page 1 of 1

### **Report of Analysis**

Client Sample ID: RW-3

Lab Sample ID: MC48440-3 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

Dibromofluoromethane

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

Run #2

**Purge Volume** Run #1 5.0 ml

Run #2

1868-53-7

CAS No. Compound Result RLUnits Q 1330-20-7 Xylenes (total) 1.0 ND ug/1 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%

99%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

72-138%

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



**ACCUTEST** 

Page 1 of 1

## **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

Dibromofluoromethane

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

72-138%

**Purge Volume** 

Run #1 5.0 ml

Run #2

1868-53-7

CAS No. Compound Result RLUnits Q 1330-20-7 Xylenes (total) 1.0 ND ug/1 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%

98%

ND = Not detected J = Indicates an estimated value

RL = Reporting Limit B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Page 1 of 1

Client Sample ID: RW-6

Lab Sample ID:MC48440-5Date Sampled:10/24/16Matrix:AQ - Ground WaterDate Received:10/25/16Method:EPA 624Percent Solids:n/a

**Project:** MAESTRI 2016 Monitoring

File ID DF **Prep Date Prep Batch Analytical Batch** Analyzed By MSK3150 Run #1 K101416.D 1 10/27/16 AD n/a n/a 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
2037-26-5 460-00-4 1868-53-7	Toluene-D8 (SUR) 4-Bromofluorobenzene (SUR) Dibromofluoromethane	112% 102% 97%		86-114% 81-116% 72-138%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

 $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$ 



3.6

#### **Report of Analysis**

Page 1 of 1

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 RLUnits Q 1330-20-7 Xylenes (total) 1.0 ND ug/1 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



Page 1 of 1

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

**Purge Volume** 

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

Run #1 5.0 ml

Run #2

CAS No. Compound Result RLUnits Q 1330-20-7 Xylenes (total) 1.0 ND ug/1 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



13 of 22 ACCUTEST MC48440

#### Page 1 of 1

## **Report of Analysis**

Client Sample ID: PZ-4

Lab Sample ID:MC48440-8Date Sampled:10/24/16Matrix:AQ - Ground WaterDate Received:10/25/16Method:EPA 624Percent Solids:n/a

**Project:** MAESTRI 2016 Monitoring

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

Purge Volume Run #1 5.0 ml

Run #2

CAS No.	Compound	Result	KL	Units Q
1330-20-7	Xylenes (total)	4.3	1.0	ug/l
CAS No.	<b>Surrogate Recoveries</b>	Run# 1	Run# 2	Limits
2037-26-5 460-00-4 1868-53-7	Toluene-D8 (SUR) 4-Bromofluorobenzene (SUR) Dibromofluoromethane	113% 104% 100%		86-114% 81-116% 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



3.9

## **Report of Analysis**

Page 1 of 1

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

**Purge Volume** 

Run #1 5.0 ml Run #2

CAS No. Compound Result RLUnits Q 1330-20-7 Xylenes (total) 1.0 ND ug/1 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



Page 1 of 1

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

Purge Volume Run #1 5.0 ml

Run #2

CAS No. Compound Result RLUnits Q 1330-20-7 Xylenes (total) ND 1.0 ug/1 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



Page 1 of 1

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

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
2037-26-5 460-00-4 1868-53-7	Toluene-D8 (SUR) 4-Bromofluorobenzene (SUR) Dibromofluoromethane	108% 103% 101%		86-114% 81-116% 72-138%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

 $B = \ Indicates \ analyte \ found \ in \ associated \ method \ blank$ 



3.12

## **Report of Analysis**

Page 1 of 1

Client Sample ID: TRIP BLANK

Lab Sample ID:MC48440-12Date Sampled:10/24/16Matrix:AQ - Trip Blank WaterDate Received:10/25/16Method:EPA 624Percent Solids:n/a

Result

**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

RL

Units

Q

Run #2

Purge Volume Run #1 5.0 ml

Compound

Run #2

CAS No.

1000 00 T W I ( ) I

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% 86-1144

 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





# Section 4

Misc. Forms
Custody Documents and Other Forms
Includes the following where applicable:

• Chain of Custody

<b>MACCI</b>	JTEST
	ARCRATORIES

Client / Reporting Information

17204

Date Time: 10/25/16 93a

#### CHAIN OF CUSTODY

CHAIN OF COSTODI	PAGE / OF /										
475 reclinology Center West, Building One	FED-EX Tracking # Accutest Quale #						Bottle Order Control #				
TEL. 508-48Ī-6200 FAX: 508-481-7753 www.accutest.com							Accures Job # MC 48 440				1
Project Information		Regu	ueste	d Ana	lysis ( s	ee TE	ST CODI	sheet	,	Matrix Codes	1
Project  Billing Information ( If different from Report to)  Company Name	7									DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL- Sludge	1

D Intact

ved where applicat

Andrew Pieroni antimperent	mar Cen	virospecen	g.com	City	Autoess		Sta			Zip	740	. 1							LIQ - Other Liquid AIR - Air SOL - Other Solid
SIA-453-7203	E16- Project Manager	1378		City			Sia	ie		ZIP	1 ii	וֹ							WP - Wipe
	Project Manager	. / 10		Atten	tion:			PC	5#		٦_								FB-Field Blank EB- Equipment Blank
Andrew Pieron, 518-453-2203											7.6	- 1							RB- Rinse Slank TB-Trip Blank
			Collection	·y			N	umber of	preserved	Bottles	] o	- 1							
Acquirest Field ID / Point of Collection	MEOH/DI Vial#	Date	Time	Sampled by	Matrix	# of bottle	HCI	HN03 H2SO4	NONE Di Water	MEOH ENCORE Bisulfate	∤ર								LAB USE ONLY
1 NW-9		10/24/16	1440	AP	GW	3	X	П	П		X								
2 MW-ZA		-,	1430	1	6hi	3	X				X							$\top$	
3 RW-3		1424/16	INFO		(1)W	3	X				X						$\top$		
4 RW-5		DEVID	1445		644	3	X				X				11		$\top$		
		10/24/16	1340	ÁP	600	7	Х				X						$\top$		<del> </del>
6 RW-7		10/24/16		1 -	Cu	3	V				X						$\top$	$\top$	
7 Rw-8			1420	AP	(10)	3	x	$\top$			X				11		$\top$		1
8 PZ-4		10/24/16		AP	(260	7	X				X					1	$\top$	$\top$	<b>†</b>
9 02-20		10/24/16			(0W	3	×				X				INm				18
10 PZ-Z1	<u> </u>	10/24/16		1 4	(ohi	3	X	$\top$			文				$\top$			-	17/
-// DUP		1 - 418	1	AP	(2V	7	X	1			X		11		LAE_	.76	ICAT	ION	No.
12 Trip Blank					00	2		$\top$	H		/			$\neg$				+	
						Data	Deliver	able ir	format	ion				Com	ments / S	ipecial l	nstruc	tions	1
Std. 10 Business Days	pproved By (Accu	tost PM): / Date:	-		Commerc Commerc					'ASP Categ 'ASP Categ								la	3F1
Std. 5 Business Days (By Contract only)  5 Day RUSH				-	FULLT1 (	Level 3+4	4)		_	ate Forms		-							
3 Day EMERGENCY				,	CT RCP					D Format		<del> </del> -							
2 Day EMERGENCY						Commerc	ial "A" = F	Results	*************			L					h. C	CHI	mer l
1 Day EMERGENCY						Commerc	ia! "B" = F	Results	+ QC Su	mmary						4%	a sessori	n en en en en	7. 700 May 100
Emergency & Rush T/A data available VIA Lablink	Sam	ple Custody mus	t he docum	onted by	Jamasa	· *i				Ation inc	dudina	and love	alivon		2.5905.300	25	YK/	<u> </u>	SE-SC
Relinguished to Sampler:		Received By:			III.		Relinquia			المامرة المامرة	, aunig	courier di	Date Tim	e:	Received	Ву:	#50000000		

ustody Seal #

MC48440: Chain of Custody

Page 1 of 3

Cooler Temp.

#### **SGS Accutest Sample Receipt Summary**

Job Number: MC	J48440	Client:	ENVIROSPE	:C		Project:	MAESTRI			
Date / Time Received: 10	/25/2016 9:30	0:00 AM	Delivery Me	thod:	FEDEX	Airbill #'s:	7775 4599 0790			
Cooler Temps (Initial/Adjus	sted): #1: (0	0.5/0.5);								
	Y or N		_	Y or N	Sample Integri	ty - Document	tation	<u>Y</u> c	or N	
,		3. COC F			1. Sample labels	present on bott	les:	$\checkmark$		
2. Custody Seals Intact:		4. Smpl Date	es/Time OK		2. Container labe	eling complete:		✓		
Cooler Temperature	Y or	N			3. Sample conta	iner label / COC	agree:	✓		
1. Temp criteria achieved:	$\checkmark$				Sample Integr	ity - Condition	<u>1</u>	<u>Y</u> 0	or N	
Cooler temp verification:	IRGI				1. Sample rec'd	within HT:		<b>✓</b>		
3. Cooler media:	lce (E		_		2. All containers	accounted for:		<b>V</b>		
4. No. Coolers:	1				3. Condition of s	ample:		In	tact	
Quality Control Preservati	ion Y	<u>N</u> <u>1</u>	<u> 1/A</u>		Sample Integr	ity - Instructio	<u>ns</u>	<u>Y</u>	<u>N</u>	_N/A_
1. Trip Blank present / cooler:	$\checkmark$				1. Analysis requ	uested is clear:			<u></u>	
2. Trip Blank listed on COC:	$\checkmark$				2. Bottles receiv	ved for unspecific	ed tests		$\checkmark$	
3. Samples preserved properly	y: 🗸				<ol><li>Sufficient voli</li></ol>	ume rec'd for an	alysis:	✓		
4. VOCs headspace free:	<b>✓</b>				Compositing	instructions clea	r:			<b>✓</b>
Comments					5. Filtering instr	uctions clear:				$\checkmark$
-12 Trip Blank: Analysis not check	red off. Hold?									

MC48440: Chain of Custody

Page 2 of 3

#### 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

Page 3 of 3

# **ATTACHMENT 3**

Site Inspection Report

		20.020.00	349 Northern B				Date:	10-	-24-2016
	envii	OSDEC	Albany, NY 122 Phone: 518.453				Time:		
	ENGINEERING	G, PLLC	Fax: 518.689.4		-		Weath		Temperature
							vvcatin	<u> </u>	High 50° F
	Site	e Inspection R	leport			Suni	ny		Low 40° F
Client	Stauffor Mar	nagement Company LL				Droio	ect No.	E16-1	
Location		, 904 State Fair Blvd, C		C .1			ected By:		A. Pieroni
		ies, issues, or actions take	en at the botto	m of the page o	r on				Comments/Astion Dominad
Site Secu			0			<del></del>	Circle one		Comments/Action Required
		l locked when arriving a			$\mathcal{L}$	<u>٧</u>	N	NA	
		or breaks in the fencing				Y		NA	
		reatment shed locked?			$\times$	$\mathbf{x}$	N	NA	
		ed and locked?		′ 11.0	$\sim$	<u>٢</u>	N	NA	
		of vandalism or unautho			`	Y		NA	
		e, strange debris [bottle							
	xplain below	and notify SMC and Er	nvirospec im	mediately					
Wells									
		cept PZ-10 which has b				<u> </u>	N	NA	
		(with lid or cap)? (exce		ed below)	$\langle \rangle$	$\sim$	N	NA	
8. Are all v	vells locked?	(except wells noted be	low)		)	<u>ب</u>	N	NA	
Site Maint	tenance								
9. Is there	any garbage	or debris? If so, please	remove/dis	card.	'	Y	6	NA	
	e visible dust				`	Y		NA	
		d to be mowed?			_	Y	$\overline{\langle \chi \rangle}$	NA	
		to be weeded or shrub	cleared?			Y		NA	Perimeter of property
	,								(fence)
13. Are the	ere any bald s	spots in grassy areas?			`	Y		NA	
	e access road				Ú	$\langle \rangle$	N	NA	
15. Do any	/ areas (site r	oads or access to wells	s) need to be	e plowed?	`	Y		NA	
		noles throughout the sit			`	Υ	$\overline{N}$	NA	
	dors onsite?				`	Υ	$\sim$	NA	
		p and visible?					N	NA	
Erosion C									
		ct and upright?			\	Y	N		
		ir or erosion control ins	talled, indica	te below and	cont	act A			
		ce of runoff? (i.e. water				Υ	$\langle N \rangle$	NA	
		g, ponded, or pools of		greene,	`	Y		NA	
		of runoff at the northea		stone area)	١	Y	$\mathcal{L}$	NA	
		y surface water runoff?		0.00.70 0.100.7		Y		NA	
		ere, approximate flow, a		nce of water b	elow	·	<u> </u>		
Treatmen		,, , , , , , , , , , , , , , , , , , , ,	а арроала		0.0	-			
		the pumps still in the o	off position?			$\sim$	N	NA	
		er on the wall for still re		)?		Y	$\langle z \rangle$	NA	Has changed due to sump
20. 2000		or on the wan for our re	Jaa 20 10002	•		•	(:)		pump emptying during
									sampling events
25a. If not	contact Envi	irospec or SMC immed	iately and ch	neck that efflue	ent v	alve	is closed	Still pun	nping from RW 5, 6 and 8.
		s in the closed position				Y	N	NA	
		m status alarms on the			,	Y	N	(NA)	
		ow how they have been		nis does not incli	ude v	well le			
		on computer "zero"?			\	γ ]	N	(NA)	
		to sewer," "tot daily flow,	" and "TGAL"	for each well sh	nould	l each		)	
		b. Does sump need to			``	Y		NA	
		each recovery well as s			depth	n of w	vell is sho		ackets)
RW-7 [27.		(N/A)		RW-5 [24					N/A)
RW-2 (not		N/A)		RW-8 [24					N/A)
RW-3 [25.		(N/A)		RW-6 [2					N/A)
		ells at close to overtopp	oing? (ref total		_	Y	N		
		check the following;	<u> </u>		i				
	reatment she					$\sim$	N	NA	

NA

Ν

31. Is the treatment shed locked?

32. Were the gates closed and locked after leaving site?

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	349 Northern Blvd. Suite 3 Albany, NY 12204 Phone: 518.453.2203	Date:	10-24-2016		
	ENGINEERING, PLLC	Fax: 518.689.4800	Time:	1300		
	Site Inspection  Continuation			Page 2 of 2		
Client	Stauffer Management Compa		Project No.	E16-1370		
Location	Maestri Site, 904 State Fair E		Inspected By:	Andrew Pieroni		
General S	Site Observations:					
Follow-u	p: Indicate actions required, perso	on(s) contacted, and dates for com	pletion			
-	No follow-up action required.					

Signature of Inspector: Andrew Pieroni