enviroSPEC ENGINEERING, PLLC
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Albany, NY 12205
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March 20, 2008

Mr. David Chiusano
NYS Department of Environmental Conservation
Remedial Bureau E, Section A
Division of Environmental Remediation
625 Broadway 12th Floor
Albany, NY 12233-7017

RE: Stauffer Management Company, Maestri Site #7-34-025, Onondaga County
Summary of Work Report

Dear Mr. Chiusano:

On behalf of Stauffer Management Company, LLC (SMC), Envirospec Engineering, PLLC (Envirospec) has prepared the following letter report to summarize field work completed at the SMC Maestri Site from November 19 to 20, 2007. The work was completed in accordance with the letter work plan submitted by Envirospec on October 5, 2007 with a response to New York State Department of Environmental Conservation (NYSDEC) comments on October 24, 2007. NYSDEC approval was granted in a letter dated October 24, 2007.

General Overview
Field activities were in response to site activities conducted on July 25, 2007, when two (2) test pits were excavated to address NYSDEC concerns resulting from a groundwater sample collected from MW-9 on April 3, 2007 which showed elevated levels of xylene. In order to complete the test pit activities, two (2) monitoring wells (MW-8 and MW-9) were removed. Field activities conducted in November 2007 consisted of the reinstallation of monitoring well MW-9 and the installation of four (4) soil borings outside the area of the July 2007 test pits in an effort to define the areal extent of possible xylene contamination. The locations of the new well and soil borings are shown on Figure 1.

Soil borings were advanced to refusal with split spoons collected at approximately two (2) foot intervals. Split spoons with recovery were characterized, screened with a PID, and bagged for headspace readings. The interval with the highest headspace reading was sent to the lab for analysis.

The replacement well MW-9 was installed in approximately the same location as the previous well. Purging and sampling of MW-9 was delayed until early January 2008 due to ground stability issues in the area of the new well.

The soil samples and subsequent groundwater sample were analyzed for xylene via EPA Method 8260. The concentration of xylene in the soil borings ranged from 0.54 to 4.4 ppm and groundwater sample collected from MW-9 showed xylene at 11 ppb. Details of the installation and sampling conducted for soil borings and the monitoring well are discussed further in subsequent sections.

Background
Field activities on July 25, 2007 were completed at the request of the NYSDEC in order to address concerns resulting from a groundwater sample collected from MW-9 on April 3, 2007 which showed elevated levels of xylene at 827 ppb**.** The NYSDEC had concerns that an area of soil contamination

remained in the area of MW-9 and MW-2A (formerly RW-2). To address NYSDEC concerns, two test pits were excavated in the vicinity of these wells to determine if a source of soil contamination remains. In order to complete the test pit activities, two (2) monitoring wells (MW-8 and MW-9) were removed.

During the test pit activities, an odor was noted at a depth of approximately 6.5 to eight (8) feet below ground surface (bgs). Headspace samples were taken throughout excavation of both test pits with results ranging from 0.0 ppm to 258 ppm. Overburden soils were staged on poly adjacent to the excavation, screened with the PID, and re-used as backfill upon confirmation of non-detectable PID screen readings and concurrence with the DEC. Excavated soils were loaded into five (5) lined rolloff boxes positioned next to the excavation. TP1 and TP2 were delineated with poly and backfilled with clean backfill and overburden soil from TP1. The location of the test pits are shown on Figure 1.

Due to continued concerns about the elevated xylene concentrations, MW-9 was proposed to be reinstalled along with the completion of four (4) soil borings as outlined in a letter to the NYSDEC dated October 5, 2007. It was agreed to by the NYSDEC that since MW-8 was no longer being utilized for sampling or elevation data reinstallation was not necessary. Since groundwater elevations had been recorded on a monthly basis from MW-9, its reinstallation was deemed appropriate. Responding to comments from the NYSDEC, Envirospec proposed a modified scope of the work on October 24, 2007 which was approved by the NYSDEC on October 24, 2007.

Objectives
The purpose of the field activities was to reinstall MW-9 and to further investigate soil conditions in the vicinity of MW-9.

Project Team
Envirospec Engineering, PLLC provided project management and field oversight. Abscope Environmental, Inc completed the site work. The NYSDEC provided regulatory oversight of the investigation activities and monitoring well replacement

Summary of Work
Field work was completed from November 19 to 20, 2007. A photographic log and field notes documenting the project tasks are attached to this letter report.

Monitoring Well Installation
Monitoring well installation began at approximately 10:05 AM on November 19. The well was installed in the same general location from which it was previously removed. A six (6) inch hollow stem auger was used to drill the well to a depth of approximately 17.33 feet. A six (6) inch PVC riser was installed at the well bottom followed by ten (10) feet of Schedule 40 PVC screen. The annular space in the screened interval was sand packed with a No. 2 filter sand pack to one (1) foot above the top of the screen. The annular space above the screened interval was then sealed with a layer of bentonite to provide a seal above the sand pack. The surface completion consisted of a stick-up protective steel casing fitted with a lockable cap.

When staff returned to the site the next morning, the backfilled area from the July 2007 work settled creating a “sink hole” effect which caused the metal casing of MW-9 to slip out of place and the fill appeared to have sloughed off from around the casing. The sink hole was most likely the result of backfill settling under the hard pan. During the previous test pit activities, much of the material was

removed laterally from under the hard pan creating a void. This combined with the removal of most of the hard pan layer in the area of the July 2007 activities led to a structurally weaker soil material. To correct the sink hole, additional backfill material was added to the area in front of the well on November 23, 2007 along with an additional layer of bentonite chips around the well casing. The well was allowed to develop overnight. Another sinkhole area was observed in December 2007 by site maintenance personnel, but it was at a far enough distance from the newly installed well that it did not affect the well.

The well was sampled on January 2, 2008. Three (3) well volumes were purged prior to sampling. The well was gauged for depth-to-water and total depth from the top of casing to determine the elevation of groundwater and volume of water in the well. The field record from the sampling activity is attached. The well was sampled using a dedicated disposable bailer. A sample was collected in laboratory provided sample jars and placed on ice for shipping or delivery under chain-of-custody protocols. The sample was analyzed for xylene via EPA Method 8260. The sample results showed a xylene concentration of 11 ppb. The laboratory results are attached to this letter report.

Soil Borings

To further investigate soil conditions in the area of work, SMC installed four (4) soil borings outside the area of site activities from July 25, 2007. Locations are shown on Figure 1.

Soil boring activities began at approximately 12:30 PM on November 19. SB-1 began approximately four (4) feet below ground surface (bgs). Hard pan was encountered at approximately 6.4 feet bgs and continued until approximately twelve (12) feet bgs. Only a few split spoon samples could be collected in this range due to the hard pan. The soil boring was advanced to refusal encountered at approximately twenty (20) feet bgs. The final interval, eighteen (18) to twenty (20) feet bgs, showed the highest headspace reading of 18.7 ppm and a sample was collected for laboratory analysis. Envirospec and the DEC discussed the headspace readings in the area above the hard pan and the DEC concurred to drilling straight through the pan and sampling below this region for the remaining soil borings. SB-4 began at approximately 3:30 PM on November 19. Split spoon sampling began at approximately thirteen (13) feet bgs. The soil boring was advanced to refusal encountered at 18.3 feet bgs. The final interval, seventeen (17) to 18.3 feet bgs, showed the highest headspace reading of 35.6 ppm and a sample was collected for laboratory analysis.

Soil boring work continued at 9:30 AM on November 20. While beginning SB-3, the original drill rig broke at approximately ten (10) feet bgs. A new rig arrived on site at approximately 12:00 PM. SB-3 continued at approximately 12:10 PM. Split spoon samples were started at approximately thirteen (13) feet bgs. The soil boring was advanced to refusal encountered at 16.5 feet bgs. The final interval, fifteen (15) to 16.5 feet bgs, showed the highest headspace reading of 39.4 ppm and a sample was collected for laboratory analysis. SB-2 began at approximately 12:50 PM on November 20. Split spoon sampling began at approximately ten (10) feet bgs. The soil boring was advanced to refusal encountered at 15.5 feet bgs. SMC and the NYSDEC collected samples from two (2) different intervals. The NYSDEC collected their sample from the final interval, fifteen (15) to 15.5 feet bgs, which showed the highest headspace reading. SMC collected their sample from the thirteen (13) to fifteen (15) feet bgs interval which showed the highest PID screen at 0.4 ppm. A summary of headspace readings is presented below in Table 1.

Table 1 – Bore Screen/Headspace Results

Soil Boring	Depth/Interval (ft)	PID Screen (ppm)	Headspace (ppm)
SB-1	4 - 6	0.0	0.0
SB-1	6 - 6.4	0.0	0.0
SB-1	6.4 - 8	-	-
SB-1	8 - 8.3	0.0	0.0
SB-1	8.3 - 10	-	-
SB-1	10- 10.3	0.0	0.0
SB-1	10.3 - 12	-	-
SB-1	12 - 14	0.0	4.2
SB-1	14 - 14.5	5.8	8.9
SB-1	14.5 - 16	-	-
SB-1	16 - 18	9.0	14.2
SB-1	**18 - 20**	**5.2**	**18.7**
SB-2	10 - 10.5	0.0	1.0
SB-2	10.5 - 12	-	-
SB-2	12 - 12.2	0.0	1.1
SB-2	**13 - 15**	**0.4**	**1.7**
SB-2*	***15 - 15.5***	***0.0***	***2.4***
SB-3	13 - 15	0.0	2.3
SB-3	**15 - 16.5**	**10.8**	**39.4**
SB-4	13 - 15	0.0	1.6
SB-4	15 - 17	0.0	0.5
SB-4	**17 - 18.3**	**25.0**	**35.6**

* NYSDEC sample interval
(-) Interval not screened due to poor recovery and/or hard pan

The bolded intervals in Table 1 show the intervals that were jarred and sent to the laboratory. Samples were analyzed for xylene via EPA Method 8620. A summary of sampling results is listed in Table 2 below. A copy of the laboratory results are attached to this report

Table 2 – Bore Sample Results

Soil Boring	Xylene Concentration (ppb)	Depth (feet)
1	4400	18 – 20
2	<150	13 – 15
3	810	15 – 16.5
4	540	18 – 18.3

Waste Management

Since MW-9 was in an area known to contain clean fill material from the backfill activities in August 2007, soil cuttings from the installation of the new well were reused as backfill material around the well. Soil cuttings removed from the soil borings were placed back in the boreholes. Solid materials generated (gloves, plastic bags) were removed from the site and properly disposed. No additional waste was generated during the field work.

Summary and Recommendations

Envirospec recommends no further action for soils at the site. In addition, SMC is requesting to shut down the groundwater recovery system and the addition of RW-8 to quarterly sampling. The Maestri

groundwater recovery wells are currently monitored monthly for elevation and sampled quarterly. One monitoring well, MW-2A, which was formerly a recovery well (RW-2) until April 2006 when it was overdrilled and converted to a monitoring well, is sampled. Following the test pit and soil boring activities, the first quarterly sampling event for 2008 occurred on January 8, 2008. The results are summarized in Table 3 below.

Table 3 – January 8, 2008 Sampling Event

Well	Total Xylene (ppb)
MW-2A (RW-2)	3
RW-3	<3.0
RW-5	14
RW-6	52
RW-7	<3.0

The results followed the general trend of previous sampling results from the past three (3) years as shown in Table 4 below.

Table 4 – Total Xylene Concentrations (µg/L) for Recovery Wells

Sample Date	MW-2A (RW-2)	RW-3	RW-5	RW-6	RW-7	RW-8
4-Jan-05	3400	<3.0	7.9	147	7.8	<3.0
1-Feb-05	3844	<3.0	5.8	25	175	<3.0
1-Mar-05	4190	<3.0	7.9	<3.0	39	<3.0
4-Apr-05	4160	<3.0	10	25	<3.0	<3.0
3-May-05	4647	<3.0	6.5	20	<3.0	<3.0
7-Jun-05	902	<7.5	<3.0	<3.0	110	<3.0
5-Jul-05	460	<3.0	<3.0	<3.0	146	<3.0
2-Aug-05	2222	<3.0	<3.0	<3.0	110	<3.0
5-Sep-05	2055	<3.0	<3.0	35	<15	<3.0
4-Oct-05	750	<3.0	<3.0	5.5	180	<3.0
1-Nov-05	2850	3.1	<3.0	<3.0	38	<3.0
6-Dec-05	4757	79	7.8	25	<15	<3.0
3-Jan-06	4640	<3.0	<3.0	45	<3.0	<3.0
9-Feb-06	3890	<3.0	8.4	70	INC	<3.0
7-Mar-06	6250	<3.0	<3.0	3.2	129	<3.0
4-Apr-06[1]	2070	<3.0	<3.0	142	<30	<3.0
2-May-06	2400	<3.0	<3.0	58	<30	<3.0
6-Jun-06[2]	NS	<3.0	<3.0	9	102	<3.0
4-Jul-06	665	<3.0	<3.0	34	130	NS
1-Aug-06	NS	5	<3.0	63	90	<3.0
3-Oct-06	<3.0	3.3	<3.0	3	55	NS
2-Jan-07	<3.0	<3.0	<3.0	29	40	NS
3-Apr-07	6.4	25	<3.0	145	3.7	NS
3-Jul-07	410	<3.0	<3.0	<3.0	<3.0	NS
2-Oct-07	1025	<3.0	<3.0	30	6	NS
8-Jan-08	3.0	<3.0	14	52	<3.0	NS

[1]RW-2 replaced with MW-2A on April 24-28 2006
[2]RW-8 sampling ceased as per NYSDEC letter dated June, 6, 2006

The groundwater treatment system has been operating since 1996. Quarterly sampling results currently serve as the basis for evaluating the effectiveness of groundwater remedial activities at the site. As

stipulated in the ROD, the onsite groundwater treatment system is to be operated and evaluated annually until "concentrations of site contaminants can no longer be effectively removed or cleanup objectives are met." The levels of contaminants remaining in groundwater are low and the system is no longer effective as shown by the consistency of the results. The groundwater treatment system has achieved the goals of the ROD and SMC is therefore requesting to shut down the system.

Upon shutdown of the recovery system, it is proposed to sample perimeter wells monthly for three (3) months to ensure the plume does not migrate. The wells to be sampled include the current quarterly wells with the addition of PZ-4 and RW-8. As shown in the site plan, the sampled wells show an ample cross section of the property and monitoring of those wells would indicate if the plume begins to migrate after pumping is ceased. During this time, monthly reports will be submitted to the NYSDEC. After three (3) months of sampling, SMC will propose an alternate sampling schedule based on results. If results indicate plume migration, next steps will be discussed with the NYSDEC. If after shutdown of the system flooding is observed in adjacent properties to the site, sampling of the surface water will be completed to determine if there is xylene contamination. The number of samples to be collected will depend on the extent of the flooding and will be discussed with the NYSDEC prior to sampling. If xylene results from the sampling are above SCGs, the system will be turned back on and next steps will be discussed with the NYSDEC. The system will be maintained for six (6) months after shutdown in case reactivation due to flooding or plume migration is necessary.

SMC is proposing to shut down the system upon approval of this report by the NYSDEC. Should you have any questions regarding the project, please do not hesitate to contact me at (518) 453-2203.

Sincerely,

Gianna Aiezza

Gianna Aiezza, PE
Principal Engineer
Envirospec Engineering, PLLC

Enc

cc: B. Shay/P. Ekoniak – SMC
J. Abraham – SMC
L. Mona/M. Newman - Envirospec

NOTES

Envirospec Engineering, PLLC
16 Computer Drive West
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Phone: 518.438.6809
Fax: 518.438.8527

Dates 11/19/07 and 11/20/07

Weather	Temperature
Cloudy	High 40
	Low 32

SITE OBSERVATION REPORT

Project SMC Soil Boring and Monitoring Well Installation Project No. E07-102

Location Maestri Site, 904 State Fair Blvd, Geddes, NY

On-Site: Laura Mona (Envirospec)
Dave Chiusano (DEC): 11/19/07
Ranny McCormick (Abscope)
Parrott Wolff
John Abraham (SMC)

Equipment:
ATV drill rig with 6" hollow stem auger and 2" split spoons.

November 19, 2007

Started installation of replacement monitoring well MW-9 at approx 1005. Used hollow stem auger (6"). Drilled to refusual at approx 17' 4" below ground surface (bgs). Removed soil boring cuttings and placed into 55 gallon drum staged next to boring. Set well at bottom (17'4") with a 6" PVC riser and then 10' of screen. Filled annular space with sand to approx 1' above the screen; then began filling with bentonite chips. Installed stick-up metal casing and backfilled with cuttings.

Monitoring well was installed in same general location it was removed from during test pitting work/excavation in July 2007, (monitoring well was previously removed to install test pits for investigative purposes). Material removed during test pitting work was shipped offsite and the test pits backfilled with a mixture of overburden, clean sand, and stone. Boring for new MW installation was within backfill area of previous test pit excavation area. Since cuttings were confirmed to be of clean backfill material, they were placed back in the area of the bore hole.

Began soil boring investigation at approx 1230. DEC agreed to allow for drilling through overburden without collecting split spoon samples (S/S). Started 1st soil boring, SB-1, at approx 4' bgs. Encountered hard pan at approx 6.4' bgs. Attempted to collect S/S through hard pan with little or no recovery. Broke through hard pan at approx 12' bgs. Recovery and PID readings of S/S are listed on soil boring log. Advanced SB-1 to 20' bgs. The 18-20' interval had the highest PID reading (18.7 ppm) and was sent to the lab for analysis.

DEC concurred to drill straight through overburden and hard pan due to difficulty in pushing S/S through hard pan and little or no recovery in S/S.

Started SB-4 soil boring at 1530 in the area south of previous test pit area TP1 and TP2. Drilled through overburden and hard pan and started S/S at approx 13' bgs. Recovery and PID readings of S/S are listed on soil boring log. Advanced SB-4 to refusal at 18.3' bgs. The bottom interval (17-18.3) had the highest PID reading (35.6 ppm) and was sent to the lab for analysis.

Completed work for the day at approx 1645.

November 20, 2007

The area in front of the newly installed MW-9 sunk in overnight. During test pitting activities in July, material was excavated laterally from under the hard pan. When the test pits were backfilled, there were most likely voids left under the hard pan. With heavy equipment being driven over this area during work on 11/19/07, it appeared as if material settled causing the sink hole. The metal casing around MW-9 slipped down out of place and fill appeared to have sloughed off from around the casing. The well cannot be purged or sampled until the area is backfilled. Extra backfill will be scheduled to be added to this area next week.

Started soil boring work at approx 0930. Drilled through hard pan and overburden. Drilling through the hard pan was quite difficult; drilled at one interval for approx 30 minutes with no advancement. While drilling through hard pan, the drill rig broke at approx 10' bgs (the metal rod connected to the crank shaft snapped off). Had to wait for a new drill rig to arrive onsite.

New rig arrived onsite at approx 1200 and resumed work. Started soil boring SB-3 at approx 1210. Continued to drill through hard pan. Split spoon samples were started at approx 11' bgs. No recovery from 11-13 interval. Recovery and PID readings of S/S are listed on soil boring log. Advanced SB-3 to refusal at 16.5' bgs. The bottom interval had the highest readings at 39.4 ppm and was sent to the lab for analysis.

Continued next page

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CONTINUATION PAGE

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Dates 11/19/07 & 11/20/07

SITE OBSERVATION REPORT

Project SMC Soil Boring and Monitoring Well Installation Project No. E07-102
Location Maestri Site, 904 State Fair Blvd, Geddes, NY

Started soil boring SB-2 at approx 1250. Drilled through overburden and hardpan. Started S/S sampling at 10' bgs. Difficulty advancing auger. No recovery from 10.5-12 interval and poor recovery from 10-10.5 and 12-12.2. Compact sand was encountered at approx 12.2 bgs but no recovery from 12-2. to 13' interval. Better recovery achieved at 13-15. Little recovery from 15-15.5 interval. Refusal at 15.5'. Continued to attempt to drill past 15.5' but after approx 45-60 minutes, the auger would not advance deeper. A sample was collected for the DEC from the 15-15.5 interval. This sample was transported (on ice) to the Envirospec office in Albany and picked up by the DEC. SMC's sample was collected from the 13-15 interval and sent to the lab for analysis. Recovery and PID readings of S/S samples are listed on the soil boring log.

Completed work for the day at approx 1445.

Follow up note: Additional backfill material was added to the area in front of MW-9 on 11/23/07 to fix the sink hole. Abscope also added more bentonite chips around the well casing and place the metal sleeve back in place. Another sink hole was noted in December 2007 by maintenance staff, but it was at a far enough distance from the newly installed well that it did not affect the well. It was decided to wait till spring to add additional backfill and it was determined that MW-9 could be sampled. MW-9 was purged and sampled on 1/2/008.

The above comments were made by: L. Mona

Soil Boring: **SB-1**

Soil Boring Log

Depth/Interval (ft)	PID Screen (ppm)	Time	Recovery (inches)	Description *Description to include color, texture, structure, odor, etc.* *Trace < 10%, Little 10-20%, Some 20-35%, AND 35-50%*
--	--	--	--	Drilled through overburden – no S/S; no sample
--	--	--	--	Drilled through overburden – no S/S; no sample
4-6	0.0	1257	16”	Brown clay, rock, silty sand
6-6.4	0.0	1302	4”	Brown/black silty sand, rock
6.4-8	--	--	--	Hard pan – no S/S; no sample
8-8.3	0.0	1323	8”	Hard pan, rock
8.3-10	--	--	--	No recovery
10-10.3	0.0	1331	6”	3” hard pan, 3” sand
10.3-12	--	--	--	No recovery
12-14	0.0	1554	20”	15” very hard/compact brown sand; 5” hard pan
14-14.5	5.8	1406	6”	Brown sand, coarse, dense fines
14.5-16	--	--	--	No recovery
16-18	9.0	1410	8”	Brown silty sand and rock
18-20	5.2	1423	17”	Brown silty sand, cobbles, rock with clay on bottom 2-3”

PID Headspace (H/S) Readings:

Interval:	PID H/S:
0-2	--
2-4	--
4-6	0.0
6-6.4	0.0
6.4-8	--
8-8.3	0.0
8.3-10	--

Interval:	PID H/S:
10-10.3	0.0
10.3-12	--
12-14	4.2
14-14.5	8.9
14.5-16	--
16-18	14.2
18-20	18.7

Grab Sample From Interval:	18-20
Sample Time:	1450
Sample ID:	SB1 (18-20)

Notes:
Started split-spoon sampling at the 4-6’ bgs interval after receiving OK from DEC that it was permissible to not collect S/S from overburden. Hard pan encountered at approx 6.4’ bgs.

DATE: 11/19/07

LOCATION: Maestri Site

LOGGED BY: L. Mona

Soil Borings

BORING LOCATION: North of previous test pits; by PZ-12

enviroSPEC ENGINEERING, PLLC
Envirospec Engineering, PLLC
16 Computer Drive West
Albany, NY 12205

CLIENT: **Stauffer Management Company, LLC**

PROJECT #:

PM: GA

DETAILED:

Soil Boring: **SB-4**

Soil Boring Log

Depth/Interval (ft)	PID Screen (ppm)	Time	Recovery (inches)	Description *Description to include color, texture, structure, odor, etc.* *Trace < 10%, Little 10-20%, Some 20-35%, AND 35-50%*
--	--	--	--	Drilled through overburden and hard pan – no S/S; no sample
13-15	0.0	1555	20”	Top 3” silty sand, 4” cobble; rest brown sand
15-17	0.0	1602	2”	Brown sand
17-18.3	25.0	1612	14”	Refusal – brown, hard, compact sand

PID Headspace (H/S) Readings:

Interval:	PID H/S:
13-15	1.6
15-17	0.5
17-18.3	35.6

Interval:	PID H/S:

Grab Sample From Interval:	18-20
Sample Time:	1615
Sample ID:	SB4 (17-18.3)

Notes:
Drilled through overburden and hard pan. Started S/S at 13’ bgs.

DATE: 11/19/07	LOCATION: Maestri Site		
LOGGED BY: L. Mona	Soil Borings		
BORING LOCATION: South of TP1 and TP2			
enviroSPEC ENGINEERING, PLLC Envirospec Engineering, PLLC 16 Computer Drive West Albany, NY 12205	CLIENT: **Stauffer Management Company, LLC**	PROJECT #:	
		PM: GA	DETAILED:

Soil Boring: **SB-3**

Soil Boring Log

Depth/Interval (ft)	PID Screen (ppm)	Time	Recovery (inches)	Description *Description to include color, texture, structure, odor, etc.* *Trace < 10%, Little 10-20%, Some 20-35%, AND 35-50%*
--	--	--	--	Drilled through overburden and hard pan – no S/S; no sample
13-15	0.0	1222	20”	Brown sand, silty sand top 10”; bottom 10” – brown compact sand
15-16.5	10.8	1232	18”	Refusal; brown compact sand

PID Headspace (H/S) Readings:

Interval:	PID H/S:
13-15	2.3
15-16.5	39.4

Interval:	PID H/S:

Grab Sample From Interval:	15-16.5
Sample Time:	1235
Sample ID:	SB3 (15-16.5)

Notes:
Drilled through overburden and hard pan. No recovery from other intervals due to hard pan. Difficulty advancing auger through hard pan. Drill rig broke down at approx. 10’ bgs. Had to wait for new drill rig to be brought onsite. Started S/S at 13’ bgs.

DATE: 11/20/07

LOCATION: Maestri Site

LOGGED BY: L. Mona

Soil Borings

BORING LOCATION:

enviroSPEC ENGINEERING, PLLC
Envirospec Engineering, PLLC
16 Computer Drive West
Albany, NY 12205

CLIENT: **Stauffer Management Company, LLC**

PROJECT #:

PM: GA

DETAILED:

Soil Boring: **SB-2**

Soil Boring Log

Depth/Interval (ft)	PID Screen (ppm)	Time	Recovery (inches)	Description *Description to include color, texture, structure, odor, etc.* *Trace < 10%, Little 10-20%, Some 20-35%, AND 35-50%*
--	--	--	--	Drilled through overburden and hard pan – no S/S; no sample
10-10.5	0.0	1305	2”	Clay; cobbles
10.5-12	--	--	--	No recovery
12-12.2	0.0	1330	4”	Brown compact sand; cobbles
13-15	0.4	1400	12”	Brown compact sand
15-15.5	0.0	1415	4”	Brown compact sand; cobbles

PID Headspace (H/S) Readings:

Interval:	PID H/S:
10-10.5	1.0
10.5-12	--
12-12.2	1.1

Interval:	PID H/S:
13-15	1.7
15-15.5	2.4

Grab Sample From Interval:	15-15.5	13-15
Sample Time:	1413	1415
Sample ID:	SB-2	SB2 (13-15
	DEC Sample	SMC Sample

Notes:

Drilled through overburden and hard pan. Started S/S at 10’ bgs. No recovery for 10.5-12 interval. Refusal encountered at 15.5’ bgs. Attempted to keep drilling deeper for apporox 45 to 60 minutes at 15.5’; auger would not advance farther.

DEC sample collected from 15-15.5 interval (only enough for one sample). SMC sample collected from 13-15 interval.

DATE: 11/20/07	LOCATION: Maestri Site
LOGGED BY: L. Mona	Soil Borings
BORING LOCATION:	

envirospec ENGINEERING, PLLC
Envirospec Engineering, PLLC
16 Computer Drive West
Albany, NY 12205

CLIENT: **Stauffer Management Company, LLC**

PROJECT #:

PM: GA

DETAILED:

DRAWINGS

409.17
410.49
410.89
409.45
411.45
411.59
UP W/UGE
410
TOP LIMIT OF EXCAVATION
BM
RR SPIKE IN POLE
ELEV. ADDITIONAL EXCAVATION 411.81'
411.42
409.78
TRENCH LOCATION
(JULY 2007)
407.52
PZ-14
405
ABANDONED RW-4
403.95
PZ-2
PZ-13
PZ-12
SB1
407.60
MW-8 REMOVED
SB2
MW-2A
MW-9
SB3
EXCAVATION AREA
PZ-10
PZ-9
SB4
408.39
PZ-7
RW-5
PZ-3
406.40
GP
405.07
RW-8
GP
405.31

SB-1
11-19-07
XYLENE 4400 PPB

SB-2
11-20-07
XYLENE <150 PPB

SB-3
11-20-07
XYLENE 810 PPB

SB-4
11-19-07
XYLENE 540 PPB

BORE	XYLENE CONC.	DEPTH
SB-1	4400 PPB	18'-20'
SB-2	<150 PPB	13'-15'
SB-3	810 PPB	15'-16.5'
SB-4	540 PPB	18'-18.3'

LEGEND

- OHW —— -- UTILITY POLE W/ OVERHEAD WIRES
- ——— -- GUY WIRE
- O GP -- GATE POST
- • MW-12 -- MONITOR WELL
- • RW-3 -- RECOVERY WELL
- • PZ-6 -- PIEZOMTER

MAP NOTES:

1. ELEVATION DATUM IS NGVD 29.
2. CONTOUR INTERVAL = 1 FT.
3. TOPOGRAPHIC INFORMATION SHOWN HEREON WAS COMPILED FROM C.T. MALE FIELD SURVEY PERFORMED SEPTEMBER 7, 1999.
4. AREA OF TOPOGRAPHIC SURVEY = 4.33± Ac.
5. ELEVATIONS SHOWN AT MONITOR WELLS ARE AT GROUND.
6. WELL LOCATIONS SURVEYED BY C.T. MALE IN FEBRUARY 2008.

1 0 1/2 1 2 4
(IN FEET)
1 1/2 inch = 1 ft.
SCALABLE ONLY WITH ANSI "D" SIZE PRINTS

SPEC CONSULTING, LLC 16 COMPUTER DRIVE WEST ALBANY, NY 12205 PHONE: 518.438.6809 FAX: 518.438.8527

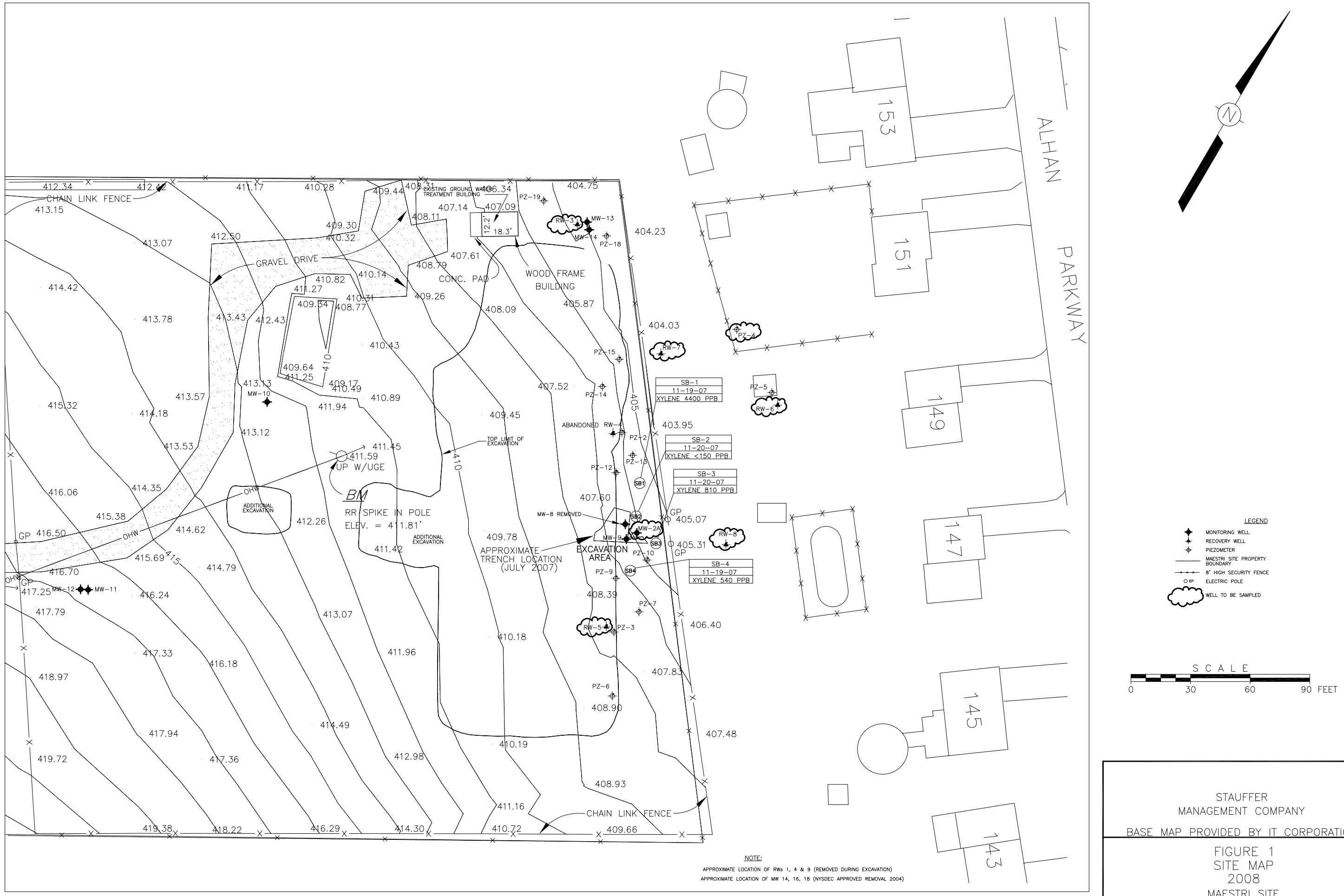
REV #	DESCRIPTION	DATE
0	CREATED	1/2/08
	SPEC CONSULTING	JOB #E07-102

REV.	DATE	DESCRIPTION	FIRM DRN.	FIRM CKD.	FIRM APPD.

STAUFFER MANAGEMENT COMPANY

MAESTRI SITE
SOIL BORING LOCATION

SCALE: 1 1/2" = 1' | DATE: 2/29/08
DWG. NO.: TBD | SPEC JOB # E07-102



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

REFERENCE:
REFERENCE ALL DRAWINGS USED FROM OTHER SOURCES HERE.

NOTE: TOPOGRAPHY AND MW LOCATIONS SURVEYED BY CT MALE, BASE MAP SUPPLIED BY IT CORPORATION

DRAWING NOT TO SCALE

STAUFFER
MANAGEMENT COMPANY

BASE MAP PROVIDED BY IT CORPORATION

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

LABORATORY RESULTS

CES Certified Environmental Services, Inc.

1401 Erie Blvd. East
Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Stauffer Management Company
4512 Jordan Road
Skaneateles Falls, NY 13153-
Attn: Ms. Gianna Aiezza

PROJECT NAME: Maestri Soil Borings
DATE: 11/28/2007

SAMPLE NUMBER- 508078 SAMPLE ID- SB-1(18-20)
DATE SAMPLED- 11/19/07
DATE RECEIVED- 11/21/07 SAMPLER- Laura Mona
TIME RECEIVED- 1245 DELIVERED BY- Tom Barry

SAMPLE MATRIX- SO
TIME SAMPLED- 1450
RECEIVED BY- RS
TYPE SAMPLE- Grab

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature				11/21/07		RS	3.0	Degrees C
Percent Solids	EPA 160.3			11/26/07	1010	MM	88.	%
Total Xylenes	SW846 8260	11/21/07	LRE	11/27/07		LRE	4400	ug/Kg

Note: Analysis performed and reported on a wet weight basis.

NYSDOH LAB ID NO. 11246 APPROVED BY:

(Terms and Conditions on Reverse Side)

Barbara L. DuChene
Laboratory Manager

The analytical results on this sample are representative of the sample as received by the Laboratory.

CES Certified Environmental Services, Inc.

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Syracuse, NY 13210
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REPORT OF ANALYSES

Stauffer Management Company
4512 Jordan Road
Skaneateles Falls, NY 13153-
Attn: Ms. Gianna Aiezza

PROJECT NAME: Maestri Soil Borings
DATE: 11/28/2007

SAMPLE NUMBER- 508079 SAMPLE ID- SB-2(13-15)
DATE SAMPLED- 11/20/07
DATE RECEIVED- 11/21/07 SAMPLER- Laura Mona
TIME RECEIVED- 1245 DELIVERED BY- Tom Barry

SAMPLE MATRIX- SO
TIME SAMPLED- 1415
RECEIVED BY- RS
TYPE SAMPLE- Grab

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature				11/21/07		RS	3.0	Degrees C
Percent Solids	EPA 160.3			11/26/07	1010	MM	86.	%
Total Xylenes	SW846 8260	11/21/07	LRE	11/27/07		LRE	< 150	ug/Kg

Note: Analysis performed and reported on a wet weight basis.

NYSDOH LAB ID NO. 11246 APPROVED BY:

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Laboratory Manager

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Fax 315-478-2107

REPORT OF ANALYSES

Stauffer Management Company
4512 Jordan Road
Skaneateles Falls, NY 13153-
Attn: Ms. Gianna Aiezza

PROJECT NAME: Maestri Soil Borings
DATE: 11/28/2007

SAMPLE NUMBER- 508080 SAMPLE ID- SB-3(15-16.5)
DATE SAMPLED- 11/20/07
DATE RECEIVED- 11/21/07 SAMPLER- Laura Mona
TIME RECEIVED- 1245 DELIVERED BY- Tom Barry

SAMPLE MATRIX- SO
TIME SAMPLED- 1235
RECEIVED BY- RS
TYPE SAMPLE- Grab

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature				11/21/07		RS	3.0	Degrees C
Percent Solids	EPA 160.3			11/26/07	1010	MM	87.	%
Total Xylenes	SW846 8260	11/21/07	LRE	11/27/07		LRE	810	ug/Kg

Note: Analysis performed and reported on a wet weight basis.

NYSDOH LAB ID NO. 11246 APPROVED BY:

(Terms and Conditions on Reverse Side)

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Laboratory Manager

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REPORT OF ANALYSES

Stauffer Management Company
4512 Jordan Road
Skaneateles Falls, NY 13153-
Attn: Ms. Gianna Aiezza

PROJECT NAME: Maestri Soil Borings
DATE: 11/28/2007

SAMPLE NUMBER- 508081 SAMPLE ID- SB-4(17-18.3) SAMPLE MATRIX- SO
DATE SAMPLED- 11/19/07 TIME SAMPLED- 1615
DATE RECEIVED- 11/21/07 SAMPLER- Laura Mona RECEIVED BY- RS
TIME RECEIVED- 1245 DELIVERED BY- Tom Barry TYPE SAMPLE- Grab

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS
Sample Receipt Temperature				11/21/07		RS	3.0	Degrees C
Percent Solids	EPA 160.3			11/26/07	1010	MM	87.	%
Total Xylenes	SW846 8260	11/21/07	LRE	11/27/07		LRE	540	ug/Kg

Note: Analysis performed and reported on a wet weight basis.

NYSDOH LAB ID NO. 11246 APPROVED BY: _____
(Terms and Conditions on Reverse Side)

Barbara L. DuChene
Laboratory Manager

The analytical results on this sample are representative of the sample as received by the Laboratory.

CHAIN OF CUSTODY RECORD

CES
Certified Environmental Services, Inc.
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Syracuse, NY 13210

Phone: 315-478-2374 Fax: 315-478-2107

BATCH NO: 48070

Page 1 of 1

Turn-Around Time:
- ☑ Standard
- ☐ 1 Week
- ☐ 72 Hours
- ☐ 48 Hours
- ☐ 24 Hours

CLIENT NAME: Stantec Management
ADDRESS: Empire Brix Site
Martin Site
PHONE: (315) 1085-1045
FAX: (315) 1085-6209
CONTACT NAME: Laura Mua

PROJECT NUMBER/NAME: MARTIN - Soil Borings

PURCHASE ORDER NO:

Sampler's Name: Laura Mua Signature:

LAB USE ONLY CES Sample Numbers	Collected Date	Collected Time	TYPE Comp.	TYPE Grab	MATRIX Aqueous	MATRIX Soil	MATRIX Other	CLIENT ID/SAMPLE LOCATION	TOTAL NUMBER OF CONTAINERS	PARAMETERS FOR ANALYSIS: Xylene
5CE1518-	11/19/07	1450		X		X		SB-1 (18-20)	1	X
5CE1519-	11/19/07	1415		X		X		SB-2 (13-15)	1	X
5CE1520-	11/19/07	1235		X		X		SB-3 (15-16.5)	1	X
5CE1521-	11/19/07	1105		X		X		SB-4 (17-18.3)	1	X
									4	TOTAL NUMBER OF CONTAINERS

SPECIAL REMARKS:

SAMPLES RELINQUISHED BY:		SAMPLES RECEIVED BY:	
NAME: Laura Mua	DATE: 11/20/07	NAME: Tom D'Arcy	DATE: 11/21/07
SIGNATURE:	TIME: 1800	SIGNATURE:	TIME: 1200
NAME: Tom D'Arcy	DATE: 11/21/07	NAME:	DATE: 11/21/07
SIGNATURE:	TIME: 1245	SIGNATURE:	TIME: 1245

Samples Received in Good Condition:
☐ Yes ☐ No
Temperature 3 °C

White - CES's Copy • Canary - Return to Client With Report • Pink - Clients Initial Copy

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REPORT OF ANALYSES

Stauffer Management Company
4512 Jordan Road
Skaneateles Falls, NY 13153-
Attn: Ms. Gianna Aiezza

PROJECT NAME: Maestri
DATE: 01/08/2008

LAB No.	SAMPLE DATE	SAMPLE TIME	SAMPLER	DELIVERY TO LAB DATE	DELIVERY TO LAB TIME	MATRIX
511693	01/02/08	1157	Laura M.	01/04/08	1351	WA
511694	01/02/08	1157	Laura M.	01/04/08	1351	WA
511695	01/02/08	1157	Laura M.	01/04/08	1351	WA

CLIENT STATION ID	LAB NUMBER	Sample Receipt Temperature Degrees C	TOTAL XYLENES ug/L
MW-9	511693	5.8	11
DUP	511694	5.8	9.9
TRIP	511695	5.8	< 3.0

Note: Samples analyzed by Method EPA 624.

NYSDOH LAB ID NO. 11246 APPROVED BY:

(Terms and Conditions on Reverse Side)

Barbara L. DuChene
Laboratory Manager

The analytical results on this sample are representative of the sample as received by the Laboratory.

CHAIN OF CUSTODY RECORD

CES
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Syracuse, NY 13210
Phone: 315-478-2374 Fax: 315-478-2107

BATCH NO: 988108

Page 1 of 1

Turn-Around Time:
- ☐ Standard
- ☒ 1 Week
- ☐ 72 Hours
- ☐ 48 Hours
- ☐ 24 Hours

Standard

CLIENT NAME: Stauffer Management
ADDRESS: Marcellus Site; Stafford Rd
PHONE: 315 6855 6195
FAX: 315 6855 6209
CONTACT NAME: Laura Mura

PROJECT NUMBER/NAME: MAESTRI

PURCHASE ORDER NO:

Sampler's Name: Laura Mura Signature:

LAB USE ONLY CES Sample Numbers	Collected Date	Collected Time	TYPE Comp.	TYPE Grab	MATRIX Aqueous	MATRIX Soil	MATRIX Other	CLIENT ID/SAMPLE LOCATION	TOTAL NUMBER OF CONTAINERS	PARAMETERS FOR ANALYSIS: Xylene
S111093	1/2/18	1157		X	X			MW-4	2	X
S111094	1/2/18	1157		X	X			DUP	2	X
S111095	1/2/18	—		X	X			TRIP	2	X
									11	TOTAL NUMBER OF CONTAINERS

SPECIAL REMARKS:

SAMPLES RELINQUISHED BY:
NAME: Laura Mura DATE: 1/4/18
SIGNATURE: TIME: 1200
NAME: DATE:
SIGNATURE: TIME:

SAMPLES RECEIVED BY:
NAME: DATE: 1/5
SIGNATURE: TIME: 1310
NAME: DATE: 1/4/18
SIGNATURE: TIME: 12:51

Samples Received in Good Condition:
☐ Yes ☐ No
Temperature 5.8 °C

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Syracuse, NY 13210
Phone 315-478-2374
Fax 315-478-2107

REPORT OF ANALYSES

Stauffer Management Company
4512 Jordan Road
Skaneateles Falls, NY 13153-
Attn: Mr. John M. Abraham

DATE: 01/15/2008

PROJECT NAME: Maestri Quarterly (Page 1 of 1)

LAB No.	SAMPLE DATE	SAMPLE TIME	SAMPLER	DELIVERY TO LAB DATE	TIME	MATRIX
512208	01/08/08		John Abraham	01/09/08	1515	WW
512209	01/08/08		John Abraham	01/09/08	1515	WW
512210	01/08/08		John Abraham	01/09/08	1515	WW
512211	01/08/08		John Abraham	01/09/08	1515	WW
512212	01/08/08		John Abraham	01/09/08	1515	WW

CLIENT STATION ID	LAB NUMBER	Sample Receipt Temperature Degrees C	TOTAL XYLENES ug/L
RW-3	512208	5.8	< 3.0
RW-5	512209	5.8	14
RW-6	512210	5.8	52
RW-7	512211	5.8	< 3.0
MW-2A	512212	5.8	3.0

Note: Samples 512208, 512209 and 512211 analyzed by Method EPA 602. Samples 512210 and 512212 analyzed by Method EPA 624.

NYSDOH LAB ID NO. 11246 APPROVED BY: _____

(Terms and Conditions on Reverse Side)

Barbara L. DuChene
Laboratory Manager

The analytical results on this sample are representative of the sample as received by the Laboratory.

CHAIN OF CUSTODY RECORD

CES
Certified Environmental Services, Inc.
1401 Erie Blvd. East
Syracuse, NY 13210

Phone: 315-478-2374 Fax: 315-478-2107

BATCH NO:

Page 1 of 1

Turn-Around Time:
- ☐ Standard
- ☐ 1 Week
- ☐ 72 Hours
- ☐ 48 Hours
- ☐ 24 Hours

CLIENT NAME: SWC

ADDRESS:

PHONE:

FAX:

CONTACT NAME: J. L.

PROJECT NUMBER/NAME: Waste pile 6

PURCHASE ORDER NO:

Sampler's Name: J. L. Signature:

LAB USE ONLY CES Sample Numbers	Collected Date	Collected Time	TYPE Comp.	TYPE Grab	MATRIX Aqueous	MATRIX Soil	MATRIX Other	CLIENT ID/SAMPLE LOCATION	TOTAL NUMBER OF CONTAINERS	PARAMETERS FOR ANALYSIS
S12216-20	7-08		-	X	X			E-2, E-3	4	X
S12205-12	5-08			X	X			RW 3, 5, 6, 7, RW 2 M	10	X

SPECIAL REMARKS:

14 TOTAL NUMBER OF CONTAINERS

SAMPLES RELINQUISHED BY:		SAMPLES RECEIVED BY:	
NAME: J. L.	DATE: 7-8-08	NAME:	DATE:
SIGNATURE:	TIME:	SIGNATURE:	TIME:
NAME:	DATE: 7-8-08	NAME:	DATE: 7-8-08
SIGNATURE:	TIME: 1700	SIGNATURE:	TIME: 1705

Samples Received in Good Condition:
☐ Yes ☐ No
Temperature 5.5 °C

White - CES's Copy • Canary - Return to Client With Report • Pink - Clients Initial Copy