

New York State Department of Environmental Conservation

Division of Environmental Remediation, Region 7

615 Erie Boulevard West, Syracuse, New York 13204-2400

Phone: (315) 426-7551 • Fax: (315) 426-7499

Website: www.dec.ny.gov



Joe Martens
Commissioner

February 4, 2015

John Mosack
Executive Director, General Manager
Bristol-Myers Squibb Company
Mail Stop A-1; Syracuse Operations
Global Manufacturing and Supply
6000 Thompson Road
East Syracuse, NY 13057

Re: Bristol-Myers Squibb Restoration Area
Site ID No. C734138
Village of East Syracuse, Town of DeWitt, Onondaga County
Phase 1A RIWP – Re-sampling of Temporary MW Module

Dear Mr. Mosack:

The New York State Department of Environmental Conservation (Department) has reviewed the letter dated January 30, 2015 submitted by the Bristol-Myers Squibb Company (BMS) in response to the Department's letter dated December 16, 2014 regarding the *Phase 1A Remedial Investigation Work Plan – Re-sampling of Temporary Monitoring Wells Module*, dated November 2014, which was submitted by ARCADIS of New York, Inc. on behalf of BMS (work plan).

BMS's response in its January 30th letter is acceptable with the following modifications. Peristaltic pumps will not be used for this round of sampling. Consistency is not an acceptable argument for use of peristaltic pumps. It is noted that this round of sampling is primarily aimed at confirming either low level detections or non-detects, whereas the first round of sampling was primarily aimed at identifying source areas. Therefore, the potential for loss of analytes during sampling is more problematic for this round of sampling than for the first round. Finally, BMS's response notes there is an alternative to peristaltic pumps (*i.e.*, bladder pumps). Note, the Department agrees that the use of bailers would be less desirable. Bailers should not be utilized except in situations described in the *Remedial Investigation Work Plan*, dated March 2013 (RIWP).

In short, sampling procedures must follow the procedures defined in the RIWP except that peristaltic pumps must not be used. This includes the requirement that samples for volatile organic compounds be collected prior to other samples, unless low flow sampling procedures are being utilized and the flow rate needs to be increased to keep the sampling tubing filled as noted in Appendix B of the work plan, and as permitted by the United States Environmental Protection Agency's guidance *Low Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells*.

Please ensure the work plan, the Department's December 16, 2014 letter, BMS's January 30, 2015 letter, and this letter are available at the document repository, preferably packaged together in reverse chronological order. The Department requires notification at least seven days in advance of field work. If you have any questions, please do not hesitate to contact me at 315-426-7411 or joshua.cook@dec.ny.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Cook', with a stylized flourish at the end.

Joshua P. Cook, P.E.
Environmental Engineer 2

ec: Harry Warner (NYSDEC)
Joshua Cook (NYSDEC)
Maureen Schuck (NYSDOH)
Richard Jones (NYSDOH)
John Mosack (BMS)
J. Richard Pooler (BMS)
John Killiany (BMS)
Anne Locke (BMS)
George Thomas (ARCADIS)
Andrew Korik (ARCADIS)

January 30, 2015

Joshua Cook, P.E.
Environmental Engineer 2
Division of Remediation
Region 7
New York State Department of Environmental Conservation
615 Erie Boulevard West
Syracuse, NY 13204-7499

Re: Bristol-Myers Squibb Restoration Area
Site ID No. C734138
Village of East Syracuse, Town of DeWitt, Onondaga County
Phase 1A Remedial Investigation Work Plan

Dear Mr. Cook:

This letter and attachments provides Bristol-Myers Squibb Company's (BMS) response to the Department's December 16, 2014 comments concerning the November 2014 Resampling of Temporary Monitoring Wells Module (Resampling Plan). As described below, BMS agrees to implement the vast majority of the Department's comments concerning the Resampling Plan. In the limited instances where BMS does not agree with the Department's comment and proposes to utilize a procedure different than the Department requested, this letter provides the rationale on why the alternative procedure is appropriate.

Comment 1. BMS agrees to sample each of the referenced temporary monitoring wells for the additional parameters requested by the Department.¹ Attached to this letter as Table 1 is a Temporary Well Resampling Scope that identifies all monitoring wells that will be resampled as part of this effort, and the analytical methods that will be used at each location.

Comment 2. Each well which will be sampled during this monitoring event (including T-16, T-31, and T-34) will be analyzed for pH. As the Department has requested, for 10% of the wells, BMS will confirm these pH results using a second, calibrated pH meter.

Comment 3. As indicated on Table 1, BMS agrees to sample BLD 45-1 for VOCs, PR 8C-1 for VOCs and ammonia, and T-40 for alcohols and ammonia as requested by the Department.

Comment 4. The Department correctly notes that the 4th paragraph of Section 2 of the Resampling Plan does not explain the rationale for the total estimated TIC concentration of 200 micrograms per liter (ug/L).

¹ Please note that T-14 is a soil boring and not a monitoring well, so this will not be sampled.

The purpose of this paragraph was to indicate that BMS did not believe resampling of a temporary monitoring well was necessary if the Phase 1 sampling only identified a TIC at a low level. The 200 ug/L threshold was a number recommended as a reasonable threshold to provide a basis of comparison, and to clarify that extremely low TIC levels, without any other lines of evidence, would not necessitate resampling. As the Resampling Plan stated, "TIC concentrations were not compared to soil or groundwater criteria because the reported concentration of TICs is not quantified as a calibrated concentration, thereby making direct comparison to their respective criteria invalid." For this reason, reference to established groundwater standards or guidance values or the principal organic contaminant standard of 5 ug/L is not technically appropriate for the detected TICs.

Also as stated in the Resampling Plan, only three wells had total TIC concentrations greater than the recommended 200 ug/L threshold where there were no other organic constituent suite criteria exceedances – namely T-13, T-20S and T-20D. We are currently proposing to resample T-13 and two well pairs generally downgradient from the T-20S and T-20D well pair (T-22S, T-22D, T-23S and T-23D).

Finally, the Department's comment stated that the Resampling Plan analysis appeared to ignore that several detections reported by the laboratory with the TICs were not qualified as tentatively identified, and the Department cited to isopropanol as an example. Our review of the TIC summary table (Table 2.3) identified only a single instance where a constituent was reported as a TIC but not qualified (isopropyl alcohol in sample BCP-B20-001). No other cases were noted. The reported result is consistent with the analytical laboratory report and the data validation report for this compound at this location.

Comment 5. BMS agrees with the comment. Specifically, all wells resampled (i.e., all wells listed on Table 1) will be monitored for pH in the field. In addition, using a second calibrated probe, the pH readings will be verified (1) for at least 10% of the sampled wells, and (2) will include any locations with a pH less than 2 or greater than 12.5. As requested, T-36 will be one of the locations where a duplicate reading will be collected. For purposes of clarification, T-36 was the only location where the pH was reported to be greater than 12.5 during sampling (none were reported below 2). This well and other well locations (if any) with a pH less than 2 or greater than 12.5 will be considered toward the 10% threshold. The locations selected for duplicate pH readings will be spread out across the site and interspersed throughout the sampling period.

Comment 6. With respect to the Department's comments 6a and 6b, we acknowledge that the sampling remarks on the sampling logs for T-42 and T-9 indicate that a strong odor was noted during sample collection. To ensure accuracy, ARCADIS has reviewed all of the sampling logs and compared them to the information on "Table 1 – Phase 1 Results: Field Parameter Data Summary." We are providing a table with minor updates in Attachment A

With respect to comment 6c, based on the information in the sampling logs stating that groundwater fizzed in the samples for BLD 36-1, BLD 8-1 and T-2, these wells will be resampled for VOCs. Please also refer to our response to comment 13a.

Comment 7. We acknowledge that the sampling log for T-22D contained in Appendix 3 of the December 2014 Phase 1 Data Summary Report indicates that an odor was present during sample collection. To ensure accuracy, ARCADIS has reviewed all of the sampling logs and compared them to the information

on "Table 1 – Phase 1 Results: Field Parameter Data Summary." Please refer to the table with minor updates in Attachment A.

Comment 8. With respect to the Department's comments 8a, 8b, 8c, 8e and 8f, BMS and ARCADIS fully understand that when wells are screened at different levels, the impacts in one well are not necessarily representative of impacts in another well. This is why the information presented in Table 2 referred to BLD 20-1, BLD 36-1, BLD 68-1, PR 5A-1 and PR 24A-1 as being "generally" upgradient or downgradient of other wells. This information was not offered as BMS's conclusion that observations in one well were determinative of impacts in another well. Rather, these were general observations, made in the context of a plan that involved the collection of additional groundwater samples to obtain additional data. BMS will propose additional well installation in the Phase 2 Work Plan to address downgradient delineation.

With respect to 8d and 8g, if visual observation indicates the presence of NAPL in CHP43RX, and a sufficient volume of NAPL is available (e.g., greater than 250 ml as requested by the laboratory for physical parameter testing), a sample will be collected using the procedures specified in the Department's comment. If a sufficient volume of NAPL cannot be collected, we intend to utilize the "Oil in Soil" field screening test which utilizes a hydrophobic dye to confirm the presence or absence of NAPL in groundwater. ARCADIS has conducted a lab test of the "Oil in Soil" field screening test and confirmed that it is capable of detecting Dicyclohexylamine (DCHA), Methylene Chloride (MeCl) and 4-Methyl-2-pentanone (Methyl Isobutyl Ketone, MIBK). These three constituents have previously been observed in groundwater at concentrations at or above 1% of their respective water solubility limit. We have attached photo documentation of the lab test in Attachment B, as well as a specification sheet for the "Oil in Soil" field screening test kit for your reference. The lab test consisted of adding specified volumes of the pure phase constituent and water along with the dye to a clear container, shaking the container and photographing the results. As indicated in the photos, all three of the constituents are readily dyed and can be observed down to very small volumes of pure phase constituents in water.

Comment 9. Comment noted. We understand the Department intends to undertake a more complete review of Figures 4 through 9.

Comment 10. BMS agrees to utilize the nomenclature n,n-dimethylaniline in the future.

Comment 11. With respect to comment 11a, the reporting units for groundwater tables and figures have been consistent with the reporting units utilized by the laboratory. Nevertheless, despite the laboratory conventions, on a moving forward basis, we will convert reporting units so that information on tables and figures matches the units in the relevant standard or guidance value.

To address any confusion regarding the green highlighting on the original Figure 5, we have expanded Figure 5 into six separate figures, Figures 5A to 5F. Each figure has a separate "other" constituent or constituent class reported (including Figure 5F which compares pH to the pH groundwater criteria).

Comment 12. Comment noted. We understand the Department intends to undertake a more complete review of the tables in Appendix A.

Comment 13. With respect to Comment 13a, BMS agrees to resample wells BLD 36-1, BLD 8-1 and T-2 based on the fact that the samples fizzed when they contacted the preservative. No preservative will be used in the collection of samples from these wells.

Also, as the Department correctly points out, a number of VOC samples exhibited foaming during analysis. We have no reason to believe that the foaming is indicative of the sample results being compromised based on a review of the sample analysis procedure. Specifically, the foaming occurred during a closed vessel extraction and the quality assurance/quality control surrogates exhibited recoveries within control limits. Because the foaming occurred in a closed system, VOCs would not have been lost during the analysis. Nevertheless, BMS believes it would be a valuable exercise to resample the specified wells where samples indicated foaming, and this will be done without a preservative.²

In Comment 13b, the Department requests that BLD 4B-1 be redeveloped prior to resampling. However, in accordance with the Department's comment in 13a, BLD 4B-1 need not be sampled at the current time due to the level of VOCs that were detected (irrespective of foaming). As a result, BMS does not plan to sample this location during the upcoming resampling event. If groundwater is sampled at this location in the future, redevelopment will be completed prior to resampling.

Regarding Comment 13c, as indicated on Table 1, BMS intends to resample T-38 and T-39 for VOCs, SVOCs and alcohols, as requested by the Department.

As indicated in Comment 13d, the concentration of dicyclohexylamine (DCHA) detected in well T-13 is greater than 1% of DCHA's solubility limit, and the well straddles the top of the till. Based on this fact, NAPL may be present at this location. The specific gravity of DCHA is approximately 0.9 (see attached reference) and, therefore, if a NAPL is present it will occur at the water table surface, and not at the base of the well³. Therefore, BMS does not propose to decommission the well at this time. BMS proposes to use an interface probe to check all wells included in this resampling round (including T-13) for the presence of NAPL prior to well purging. In addition, at locations where we have previously observed elevated concentrations (e.g., greater than 1% solubility limit of VOC constituent), have reason to suspect the possible presence of NAPL, or have reasonable indications that NAPL may be present based on the interface probe readings, we will use a bailer to collect a groundwater sample from both the water table surface and the base of the well. The groundwater samples will be visually observed for NAPL presence and depending on the volume of NAPL present, either subjected to hydrophobic dye testing, or a NAPL sample will be collected for physical characterization (as discussed in response to comment 8 above). The locations where we have previously observed elevated concentrations and/or have reason to suspect the possible presence of NAPL are the following: BLD1-4A, BLD 5-1, BLD 62-1S, BLD 62-1D, CHP43RX, PR1-1, T-3, T-5S, T-5D, and T-36.

² Well BLD 8B-1 is one of the locations where foaming was noted. This well will not be resampled as it was properly decommissioned during the Phase 1 investigation.

³ Note that this is further supported by the lab test conducted for the "oil in soil" test where the DCHA is observed on the water surface in the photo log in Attachment B.

Regarding Comment 13e, as indicated on Table 1, BMS intends to resample BLD 68-1 for alcohols, as requested by the Department. This well will also be sampled for VOCs, SVOCs and glycols.

Comment 14. The Department's Comment 14 prohibits the use of peristaltic pumps during this sampling round and during any subsequent sampling for low levels of VOCs, SVOCs, or pH. BMS respectfully submits that the use of peristaltic pumps is appropriate, and that the use of peristaltic pumps is expressly authorized by the Department-approved Field Sampling and Analysis Plan (FSAP).

Moreover, from a technical standpoint, a peristaltic pump also makes the most sense for this sampling. Due to the small diameter (1-inch) of the temporary wells, only two types of pumps are available for low-flow purging and sampling of these wells: peristaltic pumps or bladder pumps. The three-well volume purge and sampling method using a bailer (as approved in the FSAP) is not recommended because of the generally low aquifer yield and the poor quality of the field parameter and analytical data collected during this type of purging. Continuous low-flow purging and sampling will yield the highest quality of field parameter and analytical data and minimally stress the aquifer. In addition, we believe it is important to generate consistent and comparable datasets, which can only be achieved through use of consistent field methods (peristaltic pumps were employed during the initial sampling event). To provide for a sampling approach consistent with the first sampling round at these wells, and given the limitations of sampling from the 1-inch temporary wells, BMS proposes continued use of the sampling method used during the first sampling round, which was deemed acceptable by the Department during Phase 1.

Accordingly, BMS intends to use a peristaltic pump for purging and sampling of non-VOC samples (including SVOC constituents). Following collection of the non-VOC samples, the VOC samples will be collected by gently lowering/retrieving a bailer and dispensing carefully through a release valve at the base of the bailer (i.e., not collected through the peristaltic pump nor poured directly from the bailer). Readings for pH will be collected using the flow-through cell during the purging/sampling process. Samples for a duplicate pH reading (where needed) will be collected from the discharge of the flow-through cell so as to replicate the sampling approach used for the primary pH sample (this sample will be measured using a second, calibrated pH meter). In the event that the depth to water exceeds the capacity of the peristaltic pump, a bladder pump will be used.

Please call me at 315-432-2660 if you have any questions regarding the information in this letter or the attachments. We look forward to the Department's approval of the Resampling Plan, incorporating the information in this letter, so the field work can be completed in the near future (weather permitting).

Thank you in advance for your consideration.

Sincerely,



Anne Locke
Associate Manager, Environmental Protection
BMS Syracuse Site

cc: Richard Jones (NYSDOH)

Joshua P. Cook, P.E.

January 30, 2015

Page 6

cc: Harry Warner (NYSDEC)
Maureen Schuck (NYSDOH)
Richard Jones (NYSDOH)
John R. Mosack (BMS)
J. Richard Pooler (BMS)
John Killiany (BMS)
Anne Locke (BMS)
George Thomas (ARCADIS)
Jo Ann Robertson (ARCADIS)
Andrew Korik (ARCADIS)

Attachments

Table 1: Temporary Well Resampling Scope

Attachment A

Updated Table 1 from the Resampling of Temporary Monitoring Wells Module

Updated Figure 5 (now divided into Figure 5A to Figure 5F)

Attachment B – Supplemental Information

Oil in Soil Factsheet

Oil in Soil Instructions

Lab Test of Oil in Soil with DCHA, MeCl and MIBK

DCHA Factsheet

Table 1
Temporary Well Resampling Scope

Site #C734138: BMS Syracuse North Campus Restoration Area

Well ^(1,2)	VOCs Method SW8260B/C	VOCs Method SW8260B/C UP	SVOCs Method SW8270C/D	Alcohols Method SW8015B/D	Glycols Method SW8015B/D	TAL Inorganics Method SW6010B/C, SW7470A, SW9012A/B	Nitrate/Nitrite, and Sulfate Method E300.0 and E353.2	Ammonia (Nitrogen) Method E350.1	Pesticides Method SW8081A/B	PCBs Method SW8082/A	pH (field method)
B55-2	X		X								
BLD 1-1A	X		X								
BLD 1-3	X										
BLD 5-1		X									
BLD 4A-1			X								
BLD 8-1		X	X								
BLD 8-2		X	X								
BLD 8A-1		X									
BLD 8C-1		X									
BLD 8D-1	X		X	X							
BLD 9-1		X									
BLD 9A-1		X	X								
BLD 9B-1			X								
BLD 20-1	X		X								
BLD 21A-1		X		X							
BLD 24-1	X										
BLD 24A-1	X			X							
BLD-29-1	X		X								
BLD 36-1		X	X	X							
BLD 43-1		X									
BLD 45-1	X			X							
BLD 46-1	X										
BLD 62-1D	X		X	X	X	X	X	X	X	X	
BLD 62-1S	X		X	X	X	X	X	X	X	X	
BLD 68-1	X		X	X	X						
CHP43RX	X		X	X	X						
DS 2-1			X								
DS 2-3	X										
PAN 1-1		X		X							
PAS 1-1	X		X	X	X	X			X	X	
PAS 1-2	X		X	X	X	X			X	X	
PR 1-1	X										
PR 5A-1	X		X	X							
PR 8C-1	X			X				X			
PR 9A-1		X									
PR 24A-1	X										
T-2		X									
T-5D	X			X							
T-10		X	X								
T-11		X									
T-12		X	X	X							
T-13		X	X	X	X						

See Notes on Page 2.

Table 1
Temporary Well Resampling Scope

Site #C734138: BMS Syracuse North Campus Restoration Area

Well ^(1,2)	VOCs Method SW8260B/C	VOCs Method SW8260B/C UP	SVOCs Method SW8270C/D	Alcohols Method SW8015B/D	Glycols Method SW8015B/D	TAL Inorganics Method SW6010B/C, SW7470A, SW9012A/B	Nitrate/Nitrite, and Sulfate Method E300.0 and E353.2	Ammonia (Nitrogen) Method E350.1	Pesticides Method SW8081A/B	PCBs Method SW8082/A	pH (field method)
T-15	X		X	X							
T-16											X
T-17	X										
T-18		X	X								
T-22D	X		X	X	X						
T-22S	X		X	X	X						
T-23D	X		X								
T-23S	X		X			X					
T-26	X										
T-27	X		X								
T-28				X							
T-29				X ⁽⁵⁾							
T-31											X
T-33			X								
T-34											X
T-36 ^(3,4)		X									
T-37	X			X ⁽⁵⁾							
T-38	X		X	X							
T-39	X		X	X							
T-40	X			X				X			
T-42	X		X	X		X	X	X	X		

Notes:

1. All wells will be checked for potential NAPL (both LNAPL and DNAPL). If NAPL is observed, and a sufficient volume of NAPL is present (i.e., greater than approximately 250 ml), a sample of the NAPL will be collected for analysis of NAPL physical parameters (density, interfacial tension, viscosity, and surface water tension). If the presence of NAPL is uncertain, the potential for the presence/absence of NAPL will be checked using a hydrophobic dye.
2. Field parameters (i.e., pH, conductivity, temperature, turbidity) will be measured during sampling at all of the locations identified for sampling. pH measurements will be conducted using calibrated field instruments (not in the laboratory). Duplicate methods (separate calibrated meter) will be used to determine pH for at least 10% of the sampling locations and for all locations where the pH is greater than 12.5 S.U. or less than 2 S.U.
3. T-36 will be one of the locations where a duplicate pH reading will be collected.
4. T-36 will be decommissioned following sampling.
5. Alcohol data were rejected from these locations during the first sampling round. Resampling at these locations is therefore proposed.

DNAPL = dense nonaqueous phase liquid.

LNAPL = light nonaqueous phase liquid.

NAPL = nonaqueous phase liquid.

PCB = polychlorinated biphenyl.

SVOC = semivolatile organic compound.

S.U. = Standard Units.

TAL inorganics = Target Analyte List inorganics – to include the United States Environmental Protection Agency TAL metals plus molybdenum and cyanide.

UP = unpreserved.

VOC = volatile organic compound.

Well = temporary monitoring well installed as part of the Phase 1 program; however, CHP43RX is not a temporary monitoring well.



Attachment A

Table 1
Phase 1 Results: Field Parameter Data Summary

Site #C734138: BMS Syracuse North Campus Restoration Area

Location	Date	PID (ppm)	Temperature (°C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTU)	Color	Odor	Purged Dry?	Appearance	Comments
B55-1	10/24/2013	0	18.32	4.937	0.24	7.51	-116.3	4.11	brown	No	No	turbid	
B55-2	10/24/2013	NA	17.83	2.215	0.34	7.25	-91.6	12.5	brown	Yes	No	turbid	NAPL-like odor noted during final purge.
BLD 1-1A	10/23/2013	0	14.78	6.459	0.36	7.22	-52.1	589	light reddish-brown	NA	No	NA	
BLD 1-2	9/23/2013	0	15.70	2.776	0.43	7.23	-92.3	9.72	clear	No	No	clear	
BLD 1-3	9/25/2013	1.7	18.71	4.834	0.85	7.20	-51.7	5.46	clear	Yes	No	clear	
BLD 1-4A	9/23/2013	0	15.47	2.589	0.83	7.30	-32.2	10.1	brown	No	No	clear	
BLD 4A-1	9/20/2013	2.4	19.15	4.672	1.83	8.34	-187.3	24.6	black	Yes	No	turbid	
BLD 4B-1	9/26/2013	0	18.11	3.974	3.51	12.04	-112.6	337	light reddish-brown	Yes	No	cloudy	pH result was confirmed using litmus paper.
BLD 5-1	9/26/2013	0	17.95	3.459	0.48	6.95	-32.8	12.7	brown	No	No	turbid	
BLD 5A-1	9/24/2013	6	19.38	2.493	NA	9.33	-10.0	10.1	brown	Yes	No	turbid	
BLD 8-1	9/19/2013	0	18.88	9.991	0.8	10.37	-152.2	1000	brown	No	No	clear	
BLD 8-2	9/19/2013	0	19.03	7.745	0.24	11.77	-134.7	8.65	clear	No	Yes	clear	
BLD 8A-1	9/20/2013	7.1	18.28	5.708	0.30	12.39	-154.6	3.15	brown	No	No	cloudy	
BLD 8A-1	1/16/2014	5.6	8.68	0.347	4.91	10.20	71.7	15.9	clear	No	No	cloudy	
BLD 8B-1	9/20/2013	0	18.93	3.808	1.23	8.55	-120.9	12.3	clear	No	No	clear	
BLD 8C-1	9/19/2013	0	20.07	2.210	0.93	9.15	-96.0	34.2	light reddish-brown	Yes	No	turbid	
BLD 8D-1	10/3/2013	0	19.45	4.765	NA	7.33	-105.7	109	brown	Yes	No	cloudy	
BLD 9-1	9/19/2013	0.5	20.02	2.390	0	6.35	-156.0	82.5	clear	Yes	Yes	clear	
BLD 9-1	9/20/2013	0.5	21.21	2.353	2.35	7.26	-78.5	720	brown	No	Yes	turbid	
BLD 9A-1	10/3/2013	0	19.65	5.673	0.30	6.60	-80.2	14.8	clear	No	No	clear	
BLD 9B-1	9/18/2013	0	20.08	4.260	0	7.72	-113.0	39.7	light reddish-brown	No	No	turbid	
BLD 20-1	10/24/2013	0	16.65	2.681	0.27	7.29	40.5	3.57	yellow-brown	Yes	No	turbid	
BLD 21A-1	9/19/2013	3.2	19.88	13.88	NA	6.49	-137.1	4.45	black	Yes	No	cloudy	
BLD 24-1	9/4/2013	NA	20.63	4.230	0.19	7.53	100.0	0	clear	No	No	clear	
BLD 24A-1	9/4/2013	NA	22.35	2.460	0.27	7.75	-133.0	0	clear	No	No	clear	
BLD 29-1	9/3/2013	NA	20.11	10.60	0.10	7.24	15.0	0	brown	No	No	cloudy	
BLD 36-1	10/1/2013	0.1	18.66	8.849	0.31	7.80	-167.6	7.54	brown	No	No	turbid	
BLD 41-1	9/26/2013	0	15.93	4.164	4.61	7.00	51.4	5.64	clear	No	No	clear	
BLD 43-1	8/30/2013	0	25.55	4.320	0.36	7.51	-5.0	0	clear	No	No	clear	
BLD 45-1	8/28/2013	0	26.16	2.680	0.02	6.98	-24.0	0	clear	No	No	clear	
BLD 46-1	9/17/2013	0	17.89	4.590	0.16	8.04	-117.0	14	light reddish-brown	No	No	turbid	
BLD 56-1D	10/3/2013	0	16.63	2.885	0.47	7.25	-103.5	20.8	clear	No	No	clear	
BLD 56-1S	10/2/2013	0	18.34	3.427	0.49	6.90	-63.9	17.8	clear	No	No	clear	
BLD 62-1D	9/11/2013	0	28.11	2.560	0	7.81	-100.0	135	light reddish-brown	No	No	cloudy	
BLD 62-1S	9/11/2013	0	27.30	5.490	0.38	7.05	-77.0	4.80	light reddish-brown	Yes	No	cloudy	
BLD 68-1	9/9/2013	0	18.88	2.920	0.63	7.78	79.0	0	clear	Yes	No	clear	
CHP43RX	12/19/2013	0	NA	NA	NA	NA	NA	NA	NA	NA	Yes	NA	Grab sample.
DS 2-1	8/30/2013	0	19.79	3.900	0	8.03	-127.0	0	light reddish-brown	No	No	cloudy	
DS 2-3	8/30/2013	0	22.17	4.390	4.11	8.15	103.0	0	white	No	No	cloudy	
PAN 1-1	9/5/2013	2.3	20.88	20.80	0	7.33	-54.0	11.1	light reddish-brown	No	No	cloudy	
PAS 1-1	9/3/2013	0	19.19	2.120	3.20	7.60	-16.0	32.7	light reddish-brown	No	No	cloudy	
PAS 1-1	9/6/2014	0	16.14	2.070	1.06	7.82	-23.0	0	NA	NA	NA	NA	
PAS 1-2	9/3/2013	NA	21.69	8.790	0	7.13	-9.0	0	clear	Yes	No	clear	
PR 1-1	9/20/2013	1	20.55	2.372	2.54	7.75	-27.7	36.1	light reddish-brown	Yes	No	turbid	
PR 5A-1	9/24/2013	0	18.63	2.718	1.04	7.10	14.8	5.80	brown	No	No	cloudy	

See Notes on Page 3.

Table 1
Phase 1 Results: Field Parameter Data Summary

Site #C734138: BMS Syracuse North Campus Restoration Area

Location	Date	PID (ppm)	Temperature (°C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTU)	Color	Odor	Purged Dry?	Appearance	Comments
PR 8C-1	9/20/2013	33.1	21.01	2.291	2.14	8.15	-137.1	1000	light reddish-brown	Yes	No	turbid	
PR 9A-1	9/26/2013	0.1	20.01	1.176	0.31	7.42	-9.6	6.56	clear	No	No	clear	
PR24A-1	8/27/2013	0	20.57	11.10	0	8.04	89.0	68.5	yellow-brown	No	No	cloudy	
PR 25-1	8/27/2013	0	23.43	6.500	0	7.50	140.0	32.6	light reddish-brown	Yes	No	cloudy	
SR-2	9/16/2013	0	20.00	3.480	0	7.40	-50.0	0	brown	NA	No	NA	
SR-3	9/13/2013	NA	18.75	1.100	0	7.42	-104.0	0	brown	Yes	No	turbid	
SR-4	9/13/2013	NA	19.74	0.873	0.87	7.68	-110.0	0	brown	No	No	cloudy	
SR-5	9/27/2013	0	19.21	1.622	0.33	7.18	-119.9	16.3	white	No	No	cloudy	
T-1	12/19/2013	0	NA	NA	NA	NA	NA	NA	NA	NA	Yes	NA	Grab sample.
T-2	9/24/2013	0	18.33	5.239	0.23	7.80	-217.1	8.91	brown	No	No	turbid	
T-3	9/25/2013	0.1	19.17	4.721	0.30	7.44	-153.8	4.76	brown	No	No	turbid	
T-4	9/25/2013	0.2	19.71	4.389	0.12	11.87	-266.9	9.29	clear	Yes	No	clear	
T-5D	12/20/2013	0	16.25	3.728	4.81	7.60	-130.9	1000	NA	NA	No	NA	
T-5S	9/23/2013	33.8	17.31	12.82	3.98	6.42	-92.1	29.5	brown	Yes	No	cloudy	
T-6	9/25/2013	0	16.88	12.27	0.81	11.30	-168.0	21.0	clear	No	No	cloudy	pH result was confirmed using litmus paper.
T-7	9/25/2013	0.2	17.02	3.663	1.45	7.11	-37.8	4.62	brown	No	No	turbid	
T-9	10/3/2013	0	16.71	4.474	NA	7.44	-112.0	4.85	clear	Yes	No	cloudy	
T-10	10/1/2013	0.1	18.65	2.820	4.02	7.02	-62.5	4.32	clear	No	No	cloudy	
T-10	1/16/2014	10.2	7.23	1.349	4.44	7.13	85.6	1.30	clear	No	No	cloudy	
T-11	9/19/2013	0	19.13	6.297	3.21	7.17	23.0	5.78	light reddish-brown	Yes	No	NA	
T-12	9/26/2013	0	18.32	3.344	2.68	7.08	-83.8	2.18	clear	Yes	No	clear	
T-13	9/26/2013	0.1	17.87	2.653	3.24	6.81	-69.8	3.02	clear	No	No	clear	
T-15	10/17/2013	0	18.04	1.775	2.19	7.25	-75.9	268	brown	No	Yes	cloudy	
T-16	10/1/2013	NA	17.76	2.786	4.03	8.43	-138.0	1000	light reddish-brown	Yes	Yes	turbid	
T-17	9/30/2013	NA	19.55	1.212	2.77	7.39	-104.4	1000	light reddish-brown	Yes	No	turbid	
T-18	9/30/2013	1.1	17.58	1.773	1.12	7.12	-84.7	17.2	light reddish-brown	No	No	cloudy	
T-20D	9/27/2013	0.2	16.59	1.762	3.95	7.06	-6.8	10.2	clear	No	No	clear	
T-20S	9/27/2013	0	17.46	2.599	3.95	7.20	-85.2	2.73	clear	No	No	clear	
T-22D	10/23/2013	NA	14.69	4.737	0.92	7.33	-22.6	60.4	light reddish-brown	Yes	No	NA	
T-22S	10/1/2013	0.1	18.97	1.969	0.26	7.18	-107.6	79.1	brown	No	No	turbid	
T-23D	10/2/2013	0	18.91	2.149	2.01	7.18	24.7	640	light reddish-brown	No	No	turbid	
T-23S	10/3/2013	0	17.70	2.400	3.01	7.10	-49.8	438	brown	No	Yes	cloudy	
T-24	9/18/2013	0.7	19.51	5.050	0.51	6.63	-36.0	0	clear	No	No	clear	
T-24	1/17/2014	0	8.49	1.225	1.12	7.02	41.6	1.80	clear	No	No	clear	
T-25	9/18/2013	0	19.71	3.760	0	7.91	-142.0	220	brown	No	No	clear	
T-25	1/17/2014	0	8.48	0.477	0.23	9.36	-15.9	11.3	clear	No	No	clear	
T-26	9/4/2013	NA	19.46	3.810	0	7.37	-24.0	0	clear	No	No	clear	
T-27	9/6/2013	53.8	22.60	1.850	0	7.71	10.0	0	light reddish-brown	No	No	cloudy	
T-28	9/18/2013	NA	21.84	1.590	0	9.97	-66.0	9.90	black	Yes	No	cloudy	Sheen observed on surface of purge water.
T-29	9/9/2013	0	20.15	10.02	0	11.03	-178.0	95	yellow	Yes	No	cloudy	
T-30	9/16/2013	NA	17.73	5.610	0.15	7.95	-122.0	10.5	light reddish-brown	Yes	No	turbid	
T-30	1/17/2014	0.3	6.42	3.591	0.22	7.62	-106.6	1.40	light reddish-brown	Yes	No	cloudy	
T-31	9/17/2013	0.1	19.74	6.400	0	7.47	-173.0	18.3	clear	Yes	No	clear	
T-31	1/17/2014	0	7.23	3.813	0.33	7.75	-58.3	4.50	light reddish-brown	No	No	clear	

See Notes on Page 3.

Table 1
Phase 1 Results: Field Parameter Data Summary

Site #C734138: BMS Syracuse North Campus Restoration Area

Location	Date	PID (ppm)	Temperature (°C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTU)	Color	Odor	Purged Dry?	Appearance	Comments
T-32	9/17/2013	0	18.18	4.370	0	10.23	-113.0	0	light reddish-brown	Yes	No	cloudy	
T-33	9/11/2013	0	30.52	4.890	0	9.31	-291.0	85.2	brown	Yes	No	cloudy	
T-34	9/10/2013	NA	24.45	0.937	0	7.62	-118.0	1.2	clear	Yes	No	clear	
T-35	9/10/2013	0	24.27	5.130	0	8.04	-162.0	0	light reddish-brown	Yes	No	cloudy	
T-36	9/9/2013	8	22.92	5.460	0	12.91	-377.0	99.2	brown	Yes	No	cloudy	
T-37	8/29/2013	0	21.00	2.270	0	7.41	30.0	0	clear	Yes	No	clear	
T-38	8/29/2013	0	20.49	3.600	0	7.70	-20.0	0	clear	No	No	clear	
T-38	1/17/2014	0.3	7.65	3.797	2.34	7.02	31.0	8.70	clear	Yes	No	clear	
T-39	8/28/2013	0	26.02	6.300	0	7.40	-128.0	31.9	light reddish-brown	No	No	cloudy	
T-39	1/17/2014	0	8.84	7.734	0.21	7.52	-136.1	12.1	light reddish-brown	Yes	No	cloudy	
T-40	8/28/2013	378	24.47	3.620	0	7.27	118.0	0	yellow-brown	Yes	No	clear	
T-40	9/5/2013	NA	20.29	3.610	2.49	7.63	112.0	0	NA	NA	No	<u>NA</u>	
T-41	9/16/2013	0	17.93	4.350	0.32	7.74	-17.0	119	brown	NA	No	NA	
T-42	8/29/2013	0	25.15	1.930	0	8.63	-115.0	16.5	yellow-brown	<u>Yes</u>	No	clear	
T-42	9/6/2013	NA	21.21	<u>2,250</u>	0.42	8.91	-78.0	0	NA	NA	No	clear	

Notes:

mg/L = milligrams per liter.

mS/cm = milliSiemens per centimeter.

mV = millivolts.

NA = not available.

NTU = nephelometric turbidity unit.

ORP = oxidation reduction potential.

PID = photo ionization detector.

ppm = parts per million.

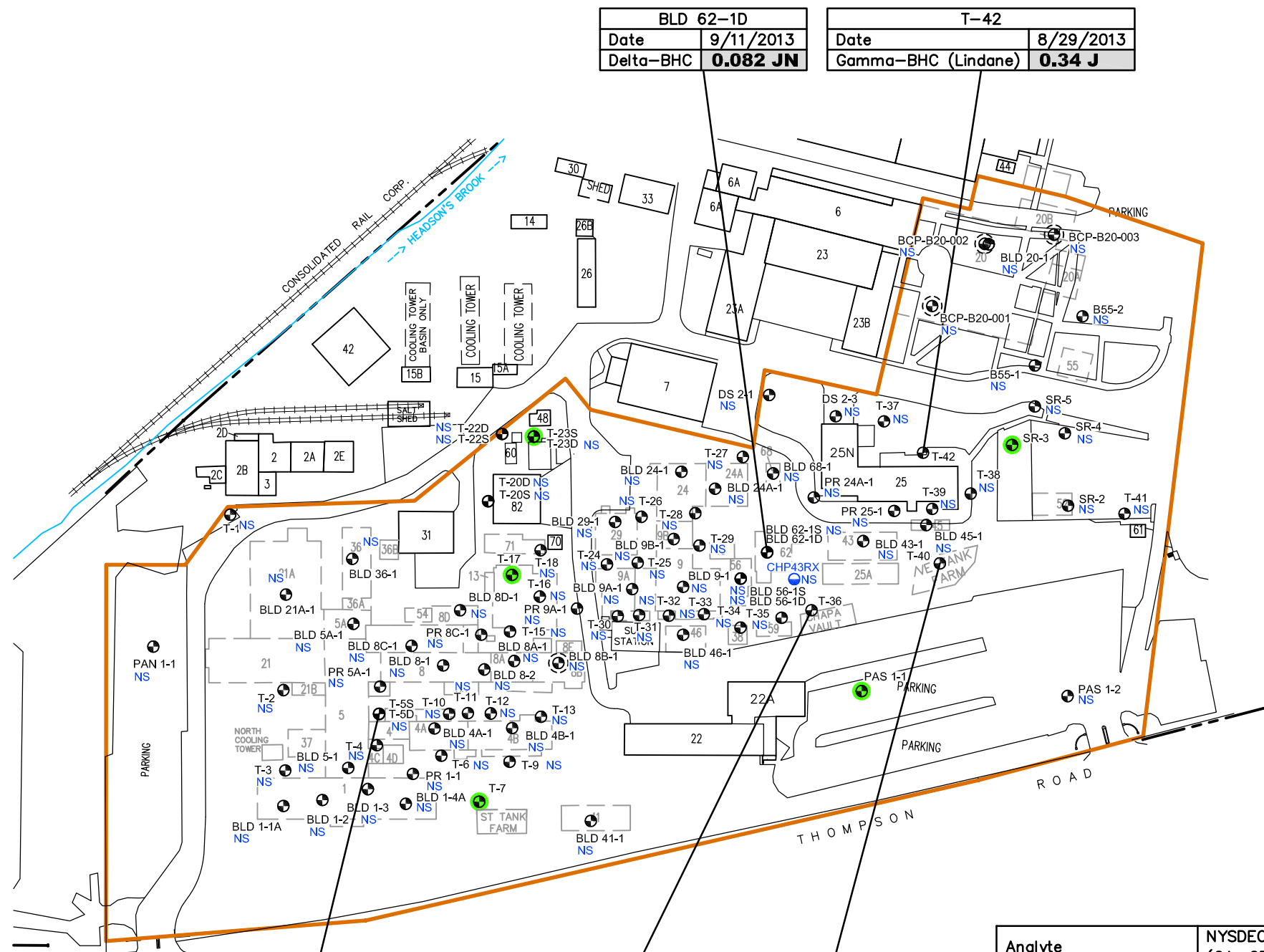
SU = standard units.

°C = degrees Celsius.

1) Shaded cells indicate a) PID readings greater than 50 ppm, b) pH measurements less than 5 SU, or c) pH measurement greater than 9 SU.

2) Bold text indicates pH measurements outside of the water quality standard range of 6.5 to 8.5 SU.

3) Underlined and italicized text indicates a value that has been revised from the November 25, 2014 draft submission.



BLD 62-1D	
Date	9/11/2013
Delta-BHC	0.082 JN

T-42	
Date	8/29/2013
Gamma-BHC (Lindane)	0.34 J

T-5S	
Date	9/23/2013
4,4'-DDE	0.33
Aldrin	0.24
Beta-BHC	0.34
Delta-BHC	0.17 J
Dieldrin	0.096 J
Gamma-BHC (Lindane)	2.8
Heptachlor	0.18 J

T-36	
Date	9/9/2013
Alpha-BHC	0.075 JN
Beta-BHC	0.11

T-40	
Date	9/5/2013
Aldrin	0.017 J

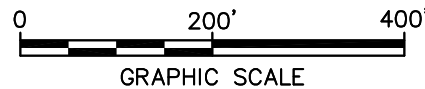
Analyte	NYSDEC TOGS 1.1.1 (GA, GROUNDWATER)
4,4'-DDE	0.2
Aldrin	ND
Alpha-BHC	0.01
Beta-BHC	0.04
Delta-BHC	0.04
Dieldrin	0.004
Gamma-BHC (Lindane)	0.05
Heptachlor	0.04

LEGEND:

- APPROXIMATE BROWNFIELD AREA BOUNDARY
- APPROXIMATE PROPERTY LINE, BRISTOL-MYERS SQUIBB
- EXISTING BUILDINGS
- DEMOLISHED BUILDINGS
- EXISTING RAILROAD
- TEMPORARY MONITORING WELL
- DECOMMISSIONED MONITORING WELL
- BEDROCK MONITORING WELL
- LOCATION WITH NO EXCEEDANCE OF CRITERIA

NOTES:

- BASEMAP BASED ON A MAP TITLED "BRISTOL-MYERS SQUIBB PART OF LOT 41 - TOWN OF DEWITT AND PART OF THE VILLAGE OF EAST SYRACUSE ONONDAGA COUNTY NEW YORK", DATED MARCH 25, 2010 PREPARED BY COTTRELL LAND SURVEYORS, P.C.
- MONITORING WELL ALL LOCATIONS AND ELEVATION SURVEY BY CT MALE ASSOCIATES, SYRACUSE NY, OCTOBER 2013, JUNE 2014, AND SEPTEMBER 2014. ELEVATIONS NAVD 88, HORIZONTAL NAD 83.
- ALL UNITS ARE IN MICROGRAMS PER LITER (ug/L).
- SHADED RESULTS PRESENTED IN DATABOXES SHOW COMPOUNDS THAT EXCEED THE NYSDEC TOGS 1.1.1 CRITERIA. RESULTS FOR LOCATIONS WHERE COMPOUNDS WERE DETECTED BELOW CRITERIA ARE NOT INCLUDED.
- JN - RESULT IS AN ESTIMATED VALUE AND THE ANALYSIS INDICATED THE PRESENCE OF A COMPOUND FOR WHICH THERE IS PRESUMPTIVE EVIDENCE TO MAKE A TENTATIVE IDENTIFICATION.
- J - ESTIMATED CONCENTRATION
- NS - NOT SAMPLED FOR PESTICIDES



SITE #C734138: BMS SYRACUSE
NORTH CAMPUS RESTORATION AREA
EAST SYRACUSE, NY

PHASE 1 RESULTS: PESTICIDES IN GROUNDWATER EXCEEDING NYSDEC TOGS 1.1.1 CRITERIA



FIGURE
5A



— — — — — APPROXIMATE BROWNFIELD
AREA BOUNDARY

- - - - - APPROXIMATE PROPERTY LINE,
BRISTOL-MYERS SQUIBB

▭ EXISTING BUILDINGS

▭ ▭ ▭ ▭ DEMOLISHED BUILDINGS

===== EXISTING RAILROAD

⊕ TEMPORARY MONITORING WELL

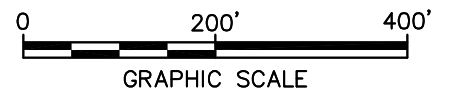
⊖ DECOMMISSIONED MONITORING
WELL

⊙ BEDROCK MONITORING WELL

● LOCATION WITH NO EXCEEDANCE
OF CRITERIA

1. BASEMAP BASED ON A MAP TITLED "BRISTOL-MYERS SQUIBB PART OF LOT 41 - TOWN OF DEWITT AND PART OF THE VILLAGE OF EAST SYRACUSE ONONDAGA COUNTY NEW YORK", DATED MARCH 25, 2010 PREPARED BY COTTRELL LAND SURVEYORS, P.C.
2. MONITORING WELL ALL LOCATIONS AND ELEVATION SURVEY BY CT MALE ASSOCIATES, SYRACUSE NY, OCTOBER 2013, JUNE 2014, AND SEPTEMBER 2014. ELEVATIONS NAVD 88, HORIZONTAL NAD 83.
3. ALL UNITS ARE IN MICROGRAMS PER LITER (ug/L).
4. SHADED RESULTS PRESENTED IN DATABOXES SHOW COMPOUNDS THAT EXCEED THE NYSDEC TOGS 1.1.1 CRITERIA. RESULTS FOR LOCATIONS WHERE COMPOUNDS WERE DETECTED BELOW CRITERIA ARE NOT INCLUDED.
5. J - ESTIMATED CONCENTRATION
6. NS - NOT SAMPLED FOR ETHYLENE GLYCOL
7. DUPLICATE RESULTS SHOWN IN BRACKETS.
8. ETHYLENE GLYCOL SAMPLES WERE NOT COLLECTED FROM WELL T-1 DUE TO SAMPLE VOLUME RESTRICTIONS.

Analyte	NYSDEC TOGS 1.1.1 (GA, GROUNDWATER)
Ethylene glycol	50

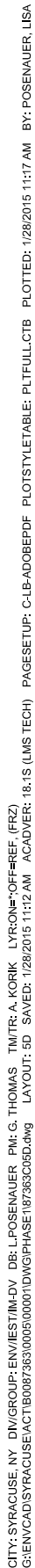


SITE #C734138: BMS SYRACUSE
NORTH CAMPUS RESTORATION AREA
EAST SYRACUSE, NY

**PHASE 1 RESULTS:
ETHYLENE GLYCOL
IN GROUNDWATER EXCEEDING
NYSDEC TOGS 1.1.1 CRITERIA**



FIGURE
5B

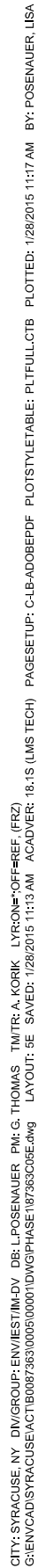


XREFS:	IMAGES:

XREFS:
87363XBL
87363X05



FIGURE
5D



XREFS:	IMAGES:

XREFS:
87363XBL
87363X05

 **APPROXIMATE BROWNFIELD
AREA BOUNDARY**

 **APPROXIMATE PROPERTY LINE,
BRISTOL-MYERS SQUIBB**

 **EXISTING BUILDINGS**

 **DEMOLISHED BUILDINGS**

 **EXISTING RAILROAD**

 **TEMPORARY MONITORING WELL**

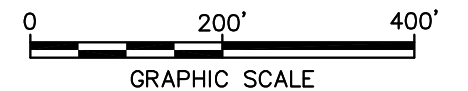
 **DECOMMISSIONED MONITORING
WELL**

 **BEDROCK MONITORING WELL**

 **LOCATION WITH NO EXCEEDANCE
OF CRITERIA**

1. BASEMAP BASED ON A MAP TITLED "BRISTOL-MYERS SQUIBB PART OF LOT 41 - TOWN OF DEWITT AND PART OF THE VILLAGE OF EAST SYRACUSE ONONDAGA COUNTY NEW YORK", DATED MARCH 25, 2010 PREPARED BY COTTRELL LAND SURVEYORS, P.C.
2. MONITORING WELL ALL LOCATIONS AND ELEVATION SURVEY BY CT MALE ASSOCIATES, SYRACUSE NY, OCTOBER 2013, JUNE 2014, AND SEPTEMBER 2014. ELEVATIONS NAVD 88, HORIZONTAL NAD 83.
3. ALL UNITS ARE IN MICROGRAMS PER LITER (ug/L).
4. SHADED RESULTS PRESENTED IN DATABOXES SHOW COMPOUNDS THAT EXCEED THE NYSDEC TOGS 1.1.1 CRITERIA. RESULTS FOR LOCATIONS WHERE COMPOUNDS WERE DETECTED BELOW CRITERIA ARE NOT INCLUDED.
5. J - ESTIMATED CONCENTRATION
6. NS - NOT SAMPLED FOR NITROGEN AS AMMONIA

Analyte	NYSDEC TOGS 1.1.1 (GA, GROUNDWATER)
Nitrogen, as Ammonia	2,000



SITE #C734138: BMS SYRACUSE
NORTH CAMPUS RESTORATION AREA
EAST SYRACUSE, NY

**PHASE 1 RESULTS:
NITROGEN AS AMMONIA
IN GROUNDWATER EXCEEDING
NYSDEC TOGS 1.1.1 CRITERIA**



FIGURE 5E



Attachment B

May 29,
2014

»» ABOUT US

»» OIL-IN-H2O

»» OIL-ON-IT?

»» OIL-IN-SOIL

»» OIL STICKS

»» Lens Detect

OIL-IN-SOIL™**field screening test kits**Oil In Soil, LLC
6 Queen Ann Road
Levittown, PA 19067
USATel: (215) 687-0355
Fax: (215) 464-0312
E-Mail: info@oil-in-soil.com**Congratulations!****You found the easiest kits in the world for screening hydrocarbons and DNAPL!****Technology Description:**

The **OIL-IN-SOIL™** field screening test kit is an inexpensive, simple and rapid qualitative sampling test for identifying the presence of hydrocarbons including LNAPLs and DNAPLs in soil. The **OIL-IN-SOIL™** test kit is a visually enhanced version of the old Soil-Water Shake Test for the presence of oils and petroleum products. Users add soil to a line on the label, add water to another line on the label and shake the jar to release the dyes. The Kit comes in 3 colors: One kit uses the original SUDAN IV which colors the hydrocarbon red. The **OIL-IN-SOIL™** Kits also comes in a Royal Blue color called **OIL-IN-SOIL™RB**. A colored ring or spots indicates the presence of oil or petroleum at above 2,500 ppm.TPH). A Styrofoam ball turning pink or light blue, depending on the dye used will indicate hydrocarbon down to 500 ppm. Many DNAPLs will give indications below 10 ppm because of their ability to penetrate the styrene use din the jar.

Application:

The **OIL-IN-SOIL™** field screening test kits are useful tools for reducing the cost of Phase I and Phase II site assessments, by reducing the time and costs associated with delineating the perimeter, depth and direction of spills in soil. They are also often used with core samples to identify organic substances.

Environmental Benefits:

Rapid delineation of hydrocarbons and DNAPL spill boundaries in soil, results in more rapid removal of contaminants from the environment. The **OIL-IN-SOIL™** kit uses a deminimus quantity of Sudan IV which is encapsulated in a soluble cube – thus decreasing the hazards to the test user from airborne particulate Sudan IV and overcoming the problems associated with disposal of larger quantities of a mutagenic dye. We have recently switched to a new manufacturer whose dye is non mutagenic.

Performance:

The **OIL-IN-SOIL™** kits provide an inexpensive, consistent tool for the detection of hydrocarbons (+- 500 ppm TPH) in soil. They are easy to use and require minimal training – thus reducing the need for ongoing expensive technical support on site. The **OIL-IN-SOIL™** kits have been sold commercially for several years and are used for Phase I and Phase II site assessments by most major environmental companies and several utility companies throughout the USA.

Limitations:

The only known restriction is that the petroleum or DNAPL be sufficiently light in color that the red dye can be seen and that the water added to the kit be clear enough to see the dye and warm enough to dissolve the soluble cube in the kit. The kits are **NOT INTENDED** as analytical tools – they were designed as presence/absence indicators to 500ppmTPH.

IT'S FAST:

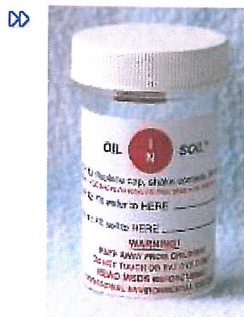
The whole process including obtaining the sample adding the water and shaking the sample, then observing the results **takes less than 3 minutes !**

ADDITIONAL FEATURES:

Now with [State of Maine](#) Scoring on the cap.

IT'S COST EFFECTIVE:

Our kits are sold in multiples of 50 at US \$5.50 per kit or US \$275 per box of 50 plus shipping.

[Instruction Manual](#)[Material Safety Data Sheet](#)[F.A.Q.](#)

Your needs or questions are VERY IMPORTANT TO US! We will try and ship to you, even for orders late in the day on Friday if possible.



Manufacturers of Petroleum & DNAPL Screening Kits

OIL-IN-SOIL™

Oil Screening Test Kit

Instruction Manual

© OIL IN SOIL, LLC 2004

OIL IN SOIL, LLC

6 Queen Anne Road
Levittown, PA 19057 USA

Tel: (215) 687-0355

www.oil-in-soil.com

"Congratulations on purchasing the easiest and fastest test kit available today for screening hydrocarbons and DNAPL!"

INTRODUCTION:

The OIL-IN-SOIL™ screening kit is composed of a styrene bottle; a label indicating recommended soil and water levels; a small Styrofoam ball, and a cube containing finely dispersed dyes which is glued to the inside of the jar lid.

In the **Sudan IV** version of the screening test kit the cube is impregnated with two dyes:

- A deminimis amount of **SUDAN IV**, a Red Azo Dye soluble in most DNAPL and petroleum which stains the oils and petroleum products, and a
- Fluorescent Green/Yellow water soluble dye to color the water and provide a visual backdrop for the red dye.

The dual dye method is employed to improve detection by the user. The other soil test kits all contain the single dye indicated by the product name.

USING THE KIT:

OIL-IN-SOIL kits are designed with ease of use in mind. Simply follow the instructions on the label:

→ **Step 1** Fill the bottle with soil to the line "*Fill soil to HERE*"

Note: Do not compact the soil.

→ **Step 2** Fill the bottle to the line "*Fill water to HERE*"

Note: ensure water is warm enough to dissolve the cube.

Step 3 Replace cap on bottle and shake jar until cube is **completely** dissolved.

If DNAPL or petroleum is present in the sample a red meniscus (or red spots on the side of the jar) will appear within 30-60 seconds. If color is not immediately apparent in the jar – check the polystyrene ball. The presence of ANY color on the ball (even a faint pink halo or hue) indicates the presence of more than 500ppm TPH in that sample material. Conversely, a “clean” ball indicates that there is less than 500ppm TPH.

Note: Most DNAPLs dissolve styrene. Therefore, red spots may appear on the sides of the jar.

Note: Whenever possible, use potable water for the screening tests. However, salt water can be used if necessary.

Cold water can inhibit the rapid release of viscous hydrocarbons from soil and cause False Negative results. Therefore, at temperatures below 68° F (20° C), we recommend users carry a thermos of hot water for field testing purposes.

RECOMMENDED PROTECTIVE EQUIPMENT:

Please follow safety instructions outlined in the MSDS. Always use gloves and safety glasses when using the OIL-IN-SOIL™ kits.

DISPOSAL OF USED KITS:

As per the MSDS and local regulations.

MANUFACTURER'S GUARANTEE:

We will replace any broken or defective kits purchased.

If you are not satisfied with our product, return any defective kits to OIL-IN-SOIL for a refund. We reserve the right not to provide refunds if the kits have been tampered with in any way, or if not used in accordance the OIL-IN-SOIL MSDS and Instruction Manual.

OIL IN SOIL, LLC
Levittown, Pennsylvania
USA

info@oil-in-soil.com

BMS
E. SYR, NY
HYDROPHOBIC DYE TEST
DCHA

11/28/15

CONTROL

NAPL/WATER
0.1 mL 29.9 mL



DCHA





BMS
E. SYR, NY
HYDROPHOBIC DYE TEST
DCHA

1/28/15

CONTROL

NAPL / WATER
0.5 mL 29.5 mL



DCHA



BMS
E. SYR, NY
HYDROPHOBIC DYE TEST
DCHA

1/28/15

CONTROL

NAPL / WATER
1mL 29mL

DCHA





BMS
E. SYR, NY
HYDROPHOBIC DYE TEST
DCHA

1/28/15

CONTROL

NAPL/WATER
15 mL 15 mL



HA



BMS
E. SYR, NY
HYDROPHOBIC DYE TEST
DCHA

1/28/15

CONTROL

NAPL / WATER
25mL 5mL



BMS
E. SYR. NY
HYDROPHOBIC DYE TEST

1/28/15

DCHA

CONTROL

NAPL/WATER
25mL 5mL





BMS
E. SYR, NY
HYDROPHOBIC DYE TEST
MeCl

1/28/15

CONTROL

NAPL / WATER
0.1mL 29.9mL





BMS
E. SYR, NY
HYDROPHOBIC DYE TEST
MeCl

1/28/15

CONTROL

NAPL / WATER
0.5 mL 29.5 mL



BMS
E. SYR, NY
HYDROPHOBIC DYE TEST
MeCl
CONTROL NAPL / WATER
1mL 29mL



BMS

1/28/15

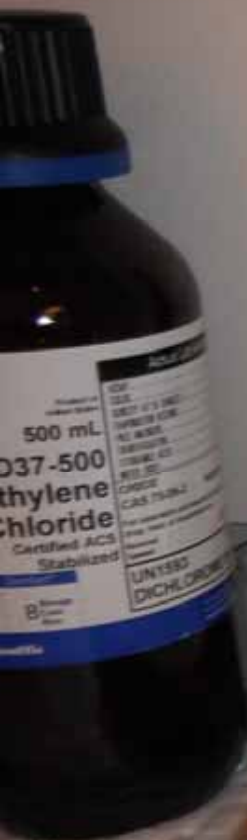
E. SYR, NY

HYDROPHOBIC DYE TEST

MeCl

CONTROL

NAPL / WATER
1mL 29mL





BMS
E. SYR, NY
HYDROPHOBIC DYE TEST
MeCl

11/28/15

CONTROL

NAPL/WATER
15mL 15mL



BMS
E. SYR, NY
HYDROPHOBIC DYE TEST

1/26/15

MeCl

CONTROL

NAPL/WATER
25ML/5ML





BMS
E. SYR, NY
HYDROPHOBIC DYE TEST
MIBK

11/26/15

CONTROL

NAFL / Water
0.1 mL 29.9 mL





BMS
E. SYR. NY
HYDROPHOBIC DYE TEST
MIBK
CONTROL
NAPL / Water
0.5 29.5 mL





BMS
E. SYR, NY
HYDROPHOBIC DYE TEST
MIBK

1/28/15

CONTROL

1 24
NAFL / Water
1mL 24mL





BMS 11/28/15
E. SYR, NY
HYDROPHOBIC DYE TEST
MIBK
CONTROL NAFL / Water
15mL 15mL



BMS
E. SYR, NY
HYDROPHOBIC DYE TEST
MIBK

1/26/15

CONTROL

NAPL / WATER
25mL 5mL



**DICYCLOHEXYLAMINE****ICSC: 1339**

Peer-Review Status: 18.10.1999 Validated

N,N-Dicyclohexylamine
 N-Cyclohexylcyclohexanamine
 Dodecahydrodiphenylamine

CAS #: 101-83-7 **RTECS #:**Formula: C₁₂H₂₃N / C₆H₁₁NHC₆H₁₁

HY4025000

Molecular mass: 181.4

UN #: 2565

EC #: 612-066-00-3

EINECS #: 202-980-7

TYPES OF HAZARD / EXPOSURE	ACUTE HAZARDS / SYMPTOMS	PREVENTION	FIRST AID / FIRE FIGHTING
FIRE	Combustible. Gives off irritating or toxic fumes (or gases) in a fire.	NO open flames.	Use water spray, powder, alcohol-resistant foam, carbon dioxide.
EXPLOSION			In case of fire: keep drums, etc., cool by spraying with water.
EXPOSURE		AVOID ALL CONTACT!	IN ALL CASES CONSULT A DOCTOR!
Inhalation	Sore throat. Cough. Burning sensation. Shortness of breath. Laboured breathing. Symptoms may be delayed. See Notes.	Use ventilation, local exhaust or breathing protection.	Fresh air, rest. Half-upright position. Artificial respiration may be needed. Refer for medical attention.
Skin	Pain. Redness. Blisters. Skin burns.	Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse skin with plenty of water or shower. Refer for medical attention .
Eyes	Pain. Redness. Severe deep burns.	Wear face shield.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then refer for medical attention.
Ingestion	Burning sensation. Abdominal pain. Shock or collapse.	Do not eat, drink, or smoke during work.	Rinse mouth. Do NOT induce vomiting. Refer for medical attention .

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Personal protection: complete protective clothing including self-contained breathing apparatus. Do NOT let this chemical enter the environment. Collect leaking and spilled liquid in sealable containers as far as possible. Cautiously neutralize remainder. Then wash away with plenty of water.	Do not transport with food and feedstuffs. EC Classification Symbol: C, N; R: 22-34-50/53; S: (1/2)-26-36/37/39-45-60-61 UN Classification UN Hazard Class: 8; UN Pack Group: III GHS Classification

EMERGENCY RESPONSE	SAFE STORAGE
Transport Emergency Card: TEC (R)-80GC7-II+III. NFPA Code: H3; F1; R0.	Separated from strong oxidants, strong acids and food and feedstuffs.

IMPORTANT DATA	
Physical State; Appearance COLOURLESS LIQUID WITH CHARACTERISTIC ODOUR. Physical dangers Chemical dangers Decomposes on burning. This produces toxic fumes including nitrogen oxides. The substance is a strong base. It reacts violently with acid and is corrosive. Reacts with strong oxidants. Occupational exposure limits TLV (NOT-ESTABLISHED):. MAK: Skin absorption (H); (DFG 2004).	Routes of exposure The substance can be absorbed into the body by inhalation of its vapour and by ingestion. Inhalation risk No indication can be given about the rate at which a harmful concentration of this substance in the air is reached on evaporation at 20°C. Effects of short-term exposure The substance is corrosive to the eyes, skin and respiratory tract. Inhalation of the vapour may cause lung oedema. See Notes. The effects may be delayed. Medical observation is indicated. Effects of long-term or repeated exposure

PHYSICAL PROPERTIES	ENVIRONMENTAL DATA
Boiling point: 256°C Melting point: -0.1°C Relative density (water = 1): 0.9 Solubility in water, g/100ml at 25°C: 0.08 Vapour pressure, kPa at 37.7°C: 1.6 Relative vapour density (air = 1): 6.25 Flash point: 105°C o.c. Auto-ignition temperature: 255°C Explosive limits, vol% in air: 0.9-6.9 Octanol/water partition coefficient as log Pow: 3.5	The substance is harmful to aquatic organisms.

NOTES
The symptoms of lung oedema often do not become manifest until a few hours have passed and they are aggravated by physical effort. Rest and medical observation is therefore essential. Immediate administration of an appropriate inhalation therapy by a doctor or a person authorized by him/her, should be considered. Card has been partly updated in April 2005. See sections Occupational Exposure Limits, Emergency Response.

ADDITIONAL INFORMATION

IPCS International Programme on Chemical Safety	  	Prepared in the context of cooperation between the International Programme on Chemical Safety and the European Commission © IPCS 2004-2012

LEGAL NOTICE Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible for the use which might be made of this information.

See Also:

[Toxicological Abbreviations](#)

New York State Department of Environmental Conservation

Division of Environmental Remediation, Region 7

615 Erie Boulevard West, Syracuse, New York 13204-2400

Phone: (315) 426-7551 • Fax: (315) 426-7499

Website: www.dec.ny.gov



Joe Martens
Commissioner

December 16, 2014

John Mosack
Executive Director, General Manager
Bristol-Myers Squibb Company
Mail Stop A-1; Syracuse Operations
Global Manufacturing and Supply
6000 Thompson Road
East Syracuse, NY 13057

Re: Bristol-Myers Squibb Restoration Area
Site ID No. C734138
Village of East Syracuse, Town of DeWitt, Onondaga County
Draft Phase 1A RIWP – Re-sampling of Temporary MW Module

Dear Mr. Mosack:

The New York State Department of Environmental Conservation (Department) and the New York State Department of Health (NYSDOH) have reviewed the Phase 1A Remedial Investigation Work Plan – Resampling of Temporary Monitoring Wells Module (the groundwater work plan) for the Bristol-Myers Squibb Restoration Area (site), dated November 2014, which was prepared by ARCADIS of New York, Inc. (ARCADIS) on behalf of the Bristol-Myers Squibb Company (BMS). The groundwater work plan is hereby modified as set forth below.

1. Section 2, 3rd Paragraph, Bullets A through D - The locations listed below should be resampled for the parameter specified based on one or more of the following contaminants of concern and the rationale provided in Bullets A through D: 4-methyl-2-pentanone; 1,4-dioxane; n-heptane; dicyclohexylamine (DCHA); triethylamine; methanol; ethanol; isopropanol; isobutanol; tert-butanol; and benzyl alcohol. Any locations and parameters already included in the groundwater work plan or required by other items of this letter are not included in this list.

• BLD 1-1A	8270	• BLD 24-1	8260
• BLD 1-3	8260	• BLD 24A-1	8260, Alcohols
• BLD 4A-1	8270	• BLD 36-1	Alcohols
• BLD 8-2	8270	• BLD 45-1	Alcohols
• BLD 8D-1	8260, 8270, Alcohols	• DS 2-1	8270
• BLD 9A-1	8270	• PAN 1-1	Alcohols
• BLD 9B-1	8270	• PR 5A-1	Alcohols
• BLD 21A-1	Alcohols	• PR 8C-1	Alcohols

• T-5D	Alcohols	• T-22D	Alcohols
• T-10	8270	• T-23D	8260, 8270
• T-12	8270, Alcohols	• T-26	8260
• T-14	8260, 8270, Alcohols	• T-28	Alcohols
• T-15	Alcohols	• T-33	8270 (due to aniline)
• T-17	8260	• T-37	8260
• T-18	8270	• T-42	Alcohols
• T-22S	Alcohols		

2. Section 2, 3rd Paragraph, Bullet E.1. – 6 NYCRR Part 703.3 specifies the standard for pH for groundwater (Class GA) as not less than 6.5 and not more than 8.5. Based on Appendix 3 of the draft Phase 1 Remedial Investigation Data Report, dated May 2014 (May 2014 draft report), and the rationale provided in Bullets A through D of the groundwater work plan, the following wells must be sampled for pH. Any locations which are to be sampled per the groundwater work plan or other items of this letter are not included in this list.

- T-16
- T-31
- T-34

3. Section 2, 3rd Paragraph, Bullet E.2. – There is no explanation of the significance of a photoionization detector (PID) reading of 50 parts per million (ppm) in the headspace of a monitoring well. T-5S had a PID reading of 33.8 ppm, yet contained the highest concentration of volatile organic compounds (VOCs) in groundwater detected at the site during Phase 1 of the RI. Other examples where PID readings less than 50 ppm were associated with significant concentrations of volatile contaminants in groundwater include T-36. So, clearly a value less than 50 ppm can be associated with excessive groundwater concentrations of VOCs. Conversely, PR 8C-1 had a PID headspace reading of 33.1 ppm, yet the analytical results for PR 8C-1 did not identify VOCs at a concentration even approaching that of T-5S. Its groundwater sampling log also stated there was an odor during sampling. PR 8C-1 must be re-sampled for VOCs (8260) and ammonia. For the same reasons, T-40 must be sampled for alcohols and ammonia (8260 is already included in the groundwater work plan). BLD 8A-1; T-10; and T-27 also had elevated PID headspace readings. Based on the sampling rationale, the following must be resampled. Any locations which are to be sampled per the groundwater work plan or other items of this letter are not included in this list.

- BLD 45-1 8260
- PR 8C-1 8260 and ammonia
- T-40 Alcohols and ammonia

4. Section 2, 4th Paragraph – There is no explanation of the significance of a total estimated TIC concentration of 200 micrograms per liter (ug/L). Several of the TICs identified at the site have established groundwater standards or guidance values which are less than 200

ug/L. Certain other TICs would be regulated under the principal organic contaminant standard of 5 ug/L. Further, the analysis appears to have ignored that several of the detections reported by the laboratory with the TICs were not qualified as tentatively identified. For instance, isopropanol was reported with the TICs for 8260 in several samples; however, it was not qualified as tentatively identified. Other “TICs” were not qualified as merely tentatively identified as well.

5. Section 2, 7th Paragraph, 3rd Bullet, Footnote 1 – The RI Work Plan required laboratory analysis of pH for at least 10% of groundwater samples and for any samples where the field pH reading was less than 2 or greater than 12.5. While the Department has accepted that laboratory analysis for pH is not appropriate, a means to verify field readings is necessary. As such, BMS must verify the field pH readings for 10% of all wells sampled during Phase 1A, and must verify any results less than 2 or greater than 12.5 obtained during Phase 1 and Phase 1A.

Acceptable means to accomplish this include the use of two properly calibrated probes/cells capable of reporting pH, or the use of one properly calibrated probe/cell and litmus paper. In order to reach 10%, BMS must conduct the duplicate analysis/readings across the course of sampling (*i.e.*, not within a single day or within a small area of the site). Duplicate samples must be spread out across the site and interspersed throughout the sampling period and must include T-36 and any other wells which have a pH greater than 12.5 or less than 2. It is recommended the duplicate analysis be performed, at a minimum, for every 10th well sampled. BMS’s response to this letter must specify which means will be utilized.

6. Table 1 – The discrepancies listed below were noted based on comparison of Table 1 with information included in the sampling logs included as Appendix 3 of the May 2014 draft report (Appendix 3).
 - a. The sampling remarks on the sampling log for T-42 (2013-08-29) in Appendix 3 state a strong odor was noted during sample collection, while Table 1 states there was no odor.
 - b. The sampling remarks on the sampling log for T-9 (2013-10-03) in Appendix 3 state a strong odor was noted during sample collection, while Table 1 states there was no odor.
 - c. The sampling logs for BLD 36-1, BLD 8-1 and T-2 in Appendix 3 state that the groundwater fizzed when it came into contact with the preservative (hydrochloric acid) in the VOC sampling vials.
7. Table 1 – The sampling log for T22D in Appendix 3 of the updated draft Phase 1 Remedial Investigation Data Report, dated December 2014, states an odor was present, while Table 1 states there was no odor. No other portions of the December 2014 report were reviewed prior to completing this letter.

8. Table 2 – The following issues are noted regarding Table 2.

- a. BLD 20-1 – This well was not screened across the same interval as BCP-B20-TW-001 through 003, so the fact that DCHA was not detected in BLD 20-1 does not clearly delineate the horizontal extent of DCHA contamination.
- b. BLD36-1 – T-5S was screened entirely within the till unit, while BLD 36-1 was not, so clear conclusions on horizontal extent cannot be drawn based on comparisons of these wells.
- c. BLD 68-1 – This is a shallow groundwater table well, while BLD 56-1D, BLD 62-1S/D and CHP43RX are deeper wells. Therefore, BLD 68-1 provides limited information on the horizontal extent of methylene chloride in groundwater in and downgradient of the CHAPA area.
- d. CHP43RX – The assessment of the presence of non-aqueous phase liquid (NAPL) should be conducted in a similar fashion to the prior NAPL assessment conducted on 2014-05-05. This must be accomplished using an interface probe and a bailer prior to groundwater purging and sampling. First, the wells must be gauged with the interface probe. Then a bailer should be placed in the well. The bailer should be left in the proper location in the well for a couple minutes before retrieving. It may be helpful to move the bailer up and down slightly across the targeted region (bottom of the well for dense NAPLs or the water table for light NAPLs) to allow the check valve to open and close and allow more material to enter. After retrieval, the bailer should then be kept still for a few minutes before agitating, pouring or doing anything else, so as to allow any NAPL to separate out from the water column. The bailer must be inspected for measurable product, sheens, films, blebs (including blebs which may be on the side of the bailer), precipitate and any other notable conditions. If sufficient NAPL is present, a sample should be collected to analyze physical properties of the NAPL, such as density, viscosity, interfacial tension, wettability. Then, other assessment methods can be implemented, including the shake test using the hydrophobic dye.

If measurable product is recovered from a well, the well should be bailed until no further product is removed, if practicable. The amount of product recovered must be recorded. If all product is removed from the well, the well should be re-assessed for the presence of NAPL after approximately one hour, then after approximately 24 hours. All recovered NAPL must be properly containerized and treated/disposed of off-site. If precipitate is noted that is suspected to be a hazardous substance, it should also be containerized and properly disposed.

- e. PR 5A-1 – This is a shallow groundwater table well, while T-5S is not, so it is not entirely accurate to say PR 5A-1 is downgradient of T-5S.

- f. PR 24A-1 – This is a shallow groundwater table well, while BLD 62-1S is not, therefore PR 24A-1 will not confirm the horizontal extent of methylene chloride in groundwater.
 - g. Notes, #3 – Provide a specification sheet for the dye to be used. Include it with BMS's response to this letter. Confirm whether the dye is effective for methylene chloride and any other potential NAPLs which are to be evaluated.
9. Figures 4 through 9 – An exhaustive review of these figures was not completed. A more complete review will be conducted as part of the review of a report.
 10. Figure 4 - It is noted that dimethylphylamine is the same as n,n-dimethylaniline. It is preferred that n,n-dimethylaniline be used to refer to this compound since it seems that is how it has been referred to in the past at the BMS facility, that is the name used in TOGS 1.1.1, and it is how it has been referred to in other documents for the Brownfield Cleanup Program site.
 11. Figure 5 – The following issues were noted:
 - a. It is somewhat unclear if certain results are reported in ug/L or milligrams per liter. For the future, all groundwater results should be reported in ug/L.
 - b. The green highlighting of the wells on this figure, indicating there were no exceedances of criteria, is extremely misleading since most of the wells were not sampled for the "Other Constituents". Future depictions of exceedances must be more accurate.
 - c. It is noted that pH is another parameter which was evaluated for groundwater.
 12. Appendix A - An exhaustive review of these tables was not completed. A more complete review will be conducted as part of the review of a report.
 13. The following issues were identified in the review of the May 2014 draft report and the laboratory reports submitted along with it. These issues must be addressed prior to completion of the RI. This resampling effort is the most appropriate time to attempt to address them.
 - a. Appendix 3 says the VOC sample for the following locations fizzed when contacting the preservative (hydrochloric acid) in the sampling vial:

BLD 36-1; BLD 8-1; T-2.

The analytical data report says the following VOC samples foamed during analysis:

- BLD 4B-1
- BLD 5-1
- BLD 8-1

• BLD 8-2	• BLD 36-1	• T-11
• BLD 8A-1	• BLD 43-1	• T-12
• BLD 8B-1	• PAN 1-1	• T-13
• BLD 8C-1	• PR 9A-1	• T-18
• BLD 9-1	• T-5S	• T-29
• BLD 21A-1	• T-10	• T-36

The concern being that VOCs may have been lost from the sample during the fizzing or foaming. Of these samples, the following contained excessive concentrations of VOCs, so it is not necessary to resample these wells at this time due to this issue:

T-5S; T-36; BLD 4B-1; and T-29.

The remainder of these wells must be re-sampled without preservative. According to SW-846, the maximum hold time for an unpreserved sample is 7 days; however, the analysis should be conducted “as soon as possible after receipt by the laboratory.”

- b. BLD 4B-1 – Per Appendices 2 and 3, the total depth measured during sampling was considerably less than what was measured during well development. It is possible this is due to siltation. It is noted that the turbidity was high during sampling. This well should be redeveloped prior to resampling through surging and purging, or another acceptable method, in order to remove silt. The integrity of this well should be assessed.
 - c. T-38 and T-39 – Per Appendix 3, there was no odor noted during the original sampling in August 2013; however, an odor was noted during sampling for ammonia in January 2014. These wells should be resampled for VOCs, SVOCs and alcohols.
 - d. T-13 – The concentration of DCHA detected in this well is greater than 1% of DCHA’s solubility limit, and the well straddles the top of the till. This well should be resampled and decommissioned (similar to T-36).
 - e. BLD 68-1 – There was an odor noted on the sampling log in Appendix 3, yet no significant concentrations of VOCs or semivolatile organic compounds were detected in the well and the alcohol results were rejected. This well should be resampled for alcohols.
14. Peristaltic pumps must not be used for this sampling round and must be avoided for all subsequent sampling rounds if sampling for low levels of VOCs or low levels of the more volatile SVOCs or pH.

To summarize, the following are the net changes to the proposed field procedures and to the proposed wells to be sampled. For each point, refer to the body of this letter for additional details.

- Peristaltic pumps must not be used for this resampling effort.
- Duplicate methods must be used to determine pH for at least 10% of the sampling locations and for all locations where the pH is greater than 12.5 or less than 2.
- The NAPL assessment must include a visual assessment and an assessment with an interface probe. Any recovered NAPL must be measured, containerized and properly disposed.
- Submit a specification sheet for the dye to be utilized. Confirm if it is effective for methylene chloride in water and dicyclohexylamine in water.
- The following wells must be redeveloped prior to sampling: BLD 4B-1 and BLD 20-1.
- T-13 must be assessed for the presence of NAPL, resampled, and then properly decommissioned.
- The following additional locations/parameters must be included in this sampling.

Well	Parameters
BLD 1-1A	8270
BLD 1-3	8260
BLD 4A-1	8270
BLD 5-1	8260 unpreserved
BLD 8-1	8260 unpreserved
BLD 8-2	8260 unpreserved, 8270
BLD 8A-1	8260 unpreserved
BLD 8B-1	8260 unpreserved
BLD 8C-1	8260 unpreserved
BLD 8D-1	8260, 8270, Alcohols
BLD 9-1	8260 unpreserved
BLD 9A-1	8270
BLD 9B-1	8270
BLD 21A-1	8260 unpreserved, Alcohols
BLD 24-1	8260
BLD 24A-1	8260, Alcohols
BLD 36-1	8260 unpreserved, Alcohols
BLD 43-1	8260 unpreserved
BLD 45-1	8260, Alcohols
BLD 68-1	Alcohols

Well	Parameters
DS 2-1	8270
PAN 1-1	8260 unpreserved, Alcohols
PR 5A-1	Alcohols
PR 8C-1	8260, Alcohols, Ammonia
PR 9A-1	8260 unpreserved
T-5D	Alcohols
T-10	8260 unpreserved, 8270
T-11	8260 unpreserved
T-12	8260 unpreserved, 8270, Alcohols
T-13	8260 unpreserved, 8270, Alcohols
T-14	8260, 8270, Alcohols
T-15	Alcohols
T-16	pH
T-17	8260
T-18	8260 unpreserved, 8270
T-22S	Alcohols
T-22D	Alcohols
T-23D	8260, 8270
T-26	8260
T-28	Alcohols
T-31	pH
T-33	8270
T-34	pH
T-37	8260
T-38	8260, 8270, Alcohols
T-39	8260, 8270, Alcohols
T-40	Alcohols, Ammonia
T-42	Alcohols

Pursuant to 6 NYCRR 375-1.6(d)(3), BMS must respond in writing within 15 days as to whether the modifications will be accepted. If accepted, this letter and BMS's response letter must be attached to the front of all copies of the groundwater work plan. Alternatives to accepting modified work plan are set forth at 6 NYCRR 375-1.6(d)(3)(ii) and (iii). The Department requires notification at least seven days in advance of field work. If you have any questions, please do not hesitate to contact me at 315-426-7411 or joshua.cook@dec.ny.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read 'J. Cook', is positioned above the printed name.

Joshua P. Cook, P.E.
Environmental Engineer 2

ec: Harry Warner (NYSDEC)
Joshua Cook (NYSDEC)
Maureen Schuck (NYSDOH)
Richard Jones (NYSDOH)
John Mosack (BMS)
J. Richard Pooler (BMS)
John Killiany (BMS)
Anne Locke (BMS)
George Thomas (ARCADIS)
Andrew Korik (ARCADIS)

Bristol-Myers Squibb Company

**C734138 Phase 1A Remedial
Investigation Work Plan**

**Resampling of Temporary
Monitoring Wells Module**

BMS Syracuse North Campus Restoration Area
East Syracuse, New York

November 2014



A handwritten signature in blue ink, appearing to read "G. M. Thomas", written over a horizontal line.

George M. Thomas

I, George M. Thomas, certify that I am currently a Qualified Environmental Professional [as defined in 6 New York Codes, Rules and Regulations Part 375] and that this C734138 Phase 1A Remedial Investigation Work Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

C734138 Phase 1A Remedial Investigation Work Plan

Resampling of Temporary Monitoring Wells Module

BMS Syracuse North Campus
Restoration Area
East Syracuse, New York

Prepared for:
Bristol-Myers Squibb Company

Prepared by:
ARCADIS of New York, Inc.
6723 Towpath Road
PO Box 66
Syracuse
New York 13214-0066
Tel 315 446 9120
Fax 315 446 8053

Our Ref.:
B0087363.0005.00001

Date:
November 2014

Acronyms and Abbreviations	ii
1. Introduction	1
2. Plan for Resampling of Temporary Monitoring Wells Installed During Phase 1	2
3. Reporting	6
4. Schedule	7
5. References	8

Tables

1	Phase 1 Results: Field Parameter Data Summary
2	Temporary Well Resampling Scope and Sampling Rationale

Figures

1	Site Location Map
2	Site Plan
3	Phase 1 Results: VOC Concentrations in Groundwater Exceeding NYSDEC TOGS 1.1.1 Criteria
4	Phase 1 Results: SVOC Concentrations in Groundwater Exceeding NYSDEC TOGS 1.1.1 Criteria
5	Phase 1 Results: Other Constituents in Groundwater Exceeding NYSDEC TOGS 1.1.1 Criteria
6	Water Table Elevation Contours December 6, 2013
7	Potentiometric Surface Elevation Contours December 6, 2013
8	Phase 1 Results: VOC and SVOC Concentrations in Soil Exceeding Protection of Groundwater SCO Criteria
9	Phase 1 Results: VOC and SVOC Concentrations in Soil Exceeding DER-10 Commercial Use SCO Criteria
10	Plan for Resampling Temporary Monitoring Wells

Appendix

A	Analytical Summary Tables
B	Ultra-Low Flow Groundwater Sampling Protocol (to be provided under separate cover)



Acronyms and Abbreviations

ARCADIS	ARCADIS of New York, Inc.
BDA	Brownfield Development Area
BMS	Bristol-Myers Squibb Company
DER-10	DER-10 Technical Guidance for Site Investigation and Remediation
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OBG	O'Brien & Gere Engineers
PCB	polychlorinated biphenyl
Phase 1A WP	Phase 1A Work Plan
resampling plan	Resampling of Temporary Monitoring Wells Module
RIWP	Remedial Investigation Work Plan
SCO	Soil Cleanup Objective
SU	standard units
SVOC	semivolatile organic compound
TAL	Target Analyte List
TIC	tentatively identified compound
TOGS	Technical and Operational Guidance Series
VOC	volatile organic compound
µg/L	micrograms per liter



C734138 Phase 1A Remedial Investigation Work Plan

Resampling of Temporary Monitoring Wells Module

BMS Syracuse North Campus
Restoration Area
East Syracuse, New York

1. Introduction

This Resampling of Temporary Monitoring Wells Plan (resampling plan) comprises the third module of the Phase 1A Remedial Investigation (RI) Work Plan (Phase 1A WP) for the Bristol-Myers Squibb Company (BMS) Syracuse North Campus Restoration Area (Site No. C734138) (Brownfield Development Area [BDA]) located at 6000 Thompson Road in East Syracuse, New York (site). ARCADIS prepared this Phase 1A WP module on behalf of BMS. The activities presented in this resampling plan are being performed in accordance with the requirements of the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program. The Brownfield Cleanup Agreement between BMS and NYSDEC was executed on October 18, 2011. A site location map showing the general location of the site is provided on Figure 1. Figure 2 shows the location and boundaries of the BDA at the site.

This resampling plan was prepared in accordance with the requirements of the Remedial Investigation Work Plan (RIWP; O'Brien & Gere Engineers [OBG] 2013a) and conditionally approved by NYSDEC/New York State Department of Health (NYSDOH) on April 3, 2013. As outlined in the RIWP (OBG 2013a), the RI in the BDA is being completed in multiple phases.



2. Plan for Resampling of Temporary Monitoring Wells Installed During Phase 1

As part of the Phase 1 investigation, 92 temporary monitoring wells were installed in the BDA. These monitoring wells were located to assess potential constituent concentrations in/near former tank areas, along and under former pipe runs, in/near former drum storage areas, and former manufacturing and chemical management buildings. Groundwater from 91 of the temporary monitoring wells was collected and analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), alcohols, and glycols. Well T-1 was only sampled for VOCs because it contained insufficient water to collect a sample (as approved by the NYSDEC during the field activities). Select wells in areas defined as areas of concern (OBG 2013a) were also sampled for ammonia nitrogen, nitrate, nitrite, sulfate, Target Analyte List (TAL) inorganics (TAL metals plus molybdenum and cyanide), polychlorinated biphenyls (PCBs), and pesticides.

The RIWP (OBG 2013a) indicates that the Phase 1A WP will provide: "identification of selected temporary wells where a second groundwater sample will be collected." To identify those wells, ARCADIS compared the analytical results of the Phase 1 sampling program to the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Part 1 (B) 1 and Part 1 (B) 2, Steps 1 through 3 (NYSDEC 1998) and the results are presented on Figures 3, 4, and 5 and in Appendix A. The water table elevation contours and the potentiometric surface elevation contour maps for water levels gauged on December 6, 2013 are shown on Figures 6 and 7, respectively.

Wells were selected for resampling based on one or more of the following general criteria:

- A. The well is located downgradient or sidegradient of sampling locations with elevated constituent concentrations to better define the downgradient or sidegradient extent of constituents.
- B. The well is located in areas near the downgradient BDA property boundary and constituents were detected at the location or upgradient.
- C. The well is located near the upgradient BDA property boundary, and constituents were detected at the location.
- D. The well is located downgradient of a location where soil samples exceeded the criteria in the NYSDEC CP-51/Soil Cleanup Guidance, Table 1 Supplemental



Soil Cleanup Objectives for Commercial and Protection of Groundwater (NYSDEC 2010) and in 6 NYCRR Subpart 375-6.8 (a) and (b), including Commercial Soil Cleanup Objectives (SCOs) and Protection of Groundwater SCOs (Figures 8 and 9).

- E. The well is located in or immediately downgradient of an area where field indicators measured during Phase 1 sampling identified potential concerns, including:
1. Well locations where groundwater pH was measured as greater than 9 standard units (SU). There were no anomalously low groundwater pH measurements (less than 5 SU).
 2. Well locations where the headspace photo ionization detector reading was greater than 50 parts per million at the time of sampling, as summarized in Table 1.
- F. Resampling is also proposed at select locations to obtain additional information regarding specific constituents in specific areas within the BDA. The basis for these specific locations is identified in Table 2.

Concentrations of tentatively identified compounds (TICs) in groundwater were reviewed to assess whether additional sampling would be required based on the reported TICs. In all locations (except three) where the total estimated concentration of TICs exceeded 200 micrograms per liter ($\mu\text{g/L}$) for any one organic constituent suite (VOC/SVOCs), criteria exceedances for quantified constituents were also observed. Exceptions occur in wells T-13, T-20S, and T-20D, where total concentrations of TICs exceeding 200 $\mu\text{g/L}$ were noted and no exceedances were detected. In all three cases, downgradient wells are included in this resampling plan. TIC concentrations were not compared to soil or groundwater criteria because the reported concentration of TICs is not quantified as a calibrated concentration, thereby making direct comparison to their respective criteria invalid.

The RIWP (OBG 2013a) also indicated that if either amyl acetate or n-butyl acetate were identified as a TIC in groundwater, analysis for these compounds would be confirmed using US Environmental Protection Agency Method 624. Neither of these compounds was detected as a TIC; therefore, sampling and analysis for these compounds will not be needed as part of this resampling plan. In addition, during the 2013 sampling event and in accordance with NYSDEC's request, Method 624 was



used to analyze the groundwater sample collected from T-34, and these compounds were not detected using this method at that location.

The wells in areas with known impacts (e.g., 4/5/8 Alleyway and the CHAPA areas), as identified by historical and/or current (2013) sampling results, are generally not proposed for resampling as part of this Phase 1A investigation; these impacted wells will be addressed as part of Phase 2 investigation efforts. The locations proposed for resampling are shown on Figure 10; the general rationale for resampling at each of the wells is provided in Table 2.

The analytical parameters for resampling are proposed based on the purpose of the well in the original sampling program, previous analytical results, and the resampling rationale discussed in Table 2 and shown on Figure 10. The resampling program includes collecting groundwater samples from 27 wells for the following constituents:

- Twenty-six samples for VOCs
- Eighteen samples for SVOCs
- Three samples for ethylene glycol
- Five samples for pH¹.

And as shown in the "Other" column in Table 2, additional samples will be collected as follows:

- Two samples for glycols/alcohols, TAL inorganics, pesticides, and PCBs
- Two samples for glycols/alcohols
- One sample for glycols/alcohols, ammonia-nitrogen, nitrate, nitrite, and sulfate

¹ Field parameters (i.e., pH, conductivity, temperature, turbidity) will be measured during sampling at all of the locations identified for sampling. At specific locations, pH has been identified for analysis as an "other" constituent as indicated in Table 2 because an elevated pH (>9) was noted previously at that location or at one or more nearby (and generally) upgradient locations. As indicated in Table 2, one well will be measured only for pH; other chemical analyses will not be completed at this location. As discussed in the BMS April 24, 2014 letter to NYSDEC (Comment-Response 12), measurements of pH in water must be completed immediately to avoid pH changes associated with carbon dioxide disassociation in stored samples. The measurements for pH will be conducted using calibrated field instruments, not in the laboratory.



**C734138 Phase 1A Remedial
Investigation Work Plan**

**Resampling of Temporary
Monitoring Wells Module**

BMS Syracuse North Campus
Restoration Area
East Syracuse, New York

- One sample for TAL inorganics
- One sample for TAL inorganics, pesticides, ammonia-nitrogen, nitrate, nitrite, and sulfate.

Groundwater samples and associated quality assurance and quality control samples will be collected in accordance with the approved Field Sampling and Analysis Plan (OBG 2013d) and Quality Assurance Project Plan (OBG 2013c).



**C734138 Phase 1A Remedial
Investigation Work Plan**

**Resampling of Temporary
Monitoring Wells Module**

BMS Syracuse North Campus
Restoration Area
East Syracuse, New York

3. Reporting

Results of the groundwater sampling will be included in the Phase 1A Data Summary Report. The Phase 1A Data Summary Report will include identification of data gaps (if any) and a proposed scope (as needed) for Phase 2 investigations.



**C734138 Phase 1A Remedial
Investigation Work Plan**

**Resampling of Temporary
Monitoring Wells Module**

BMS Syracuse North Campus
Restoration Area
East Syracuse, New York

4. Schedule

Sampling will be initiated within 45 days of approval by the NYSDEC and the NYSDOH, assuming appropriate weather conditions.

The Phase 1A Data Summary Report will be submitted in accordance with the schedule included in the RIWP (OBG 2013a).



5. References

BMS. 2014. Letter dated April 24, 2014 from BMS to the NYSDEC regarding Bristol-Myers Squibb Restoration Area, Site ID No. C734138, Village of East Syracuse; Town of DeWitt, Onondaga County, Phase 1 Data Report.

NYSDEC. 1998. Technical & Operational Guidance Series 1.1.1. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June. Available online at: http://www.dec.ny.gov/docs/water_pdf/togs111.pdf

NYSDEC. 2000. Addendum to Technical & Operational Guidance Series 1.1.1. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April. Available online at:
http://www.dec.ny.gov/docs/water_pdf/togs111table1.pdf

NYSDEC. 2004. Addendum to Technical & Operational Guidance Series 1.1.1. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June. Available online at:
http://www.dec.ny.gov/docs/water_pdf/June04togs111.pdf

NYSDEC. 2010. CP-51/Soil Cleanup Guidance. October 21. Available online at:
http://www.dec.ny.gov/docs/remediation_hudson_pdf/cpsoil.pdf

OBG. 2013a. *Remedial Investigation Work Plan: BMS Syracuse North Campus Restoration Area Site No. C734138*. March 2013. March 2013.

OBG. 2013b. *Remedial Investigation Work Plan: BMS Syracuse North Campus Restoration Area Site No. C734138. Field Sampling Plan*.

OBG. 2013c. *Remedial Investigation Work Plan: BMS Syracuse North Campus Restoration Area Site No. C734138. Quality Assurance Project Plan*. March 2013.

Additional Reference Not Cited

NYSDEC. 2010. DER-10 Technical Guidance for Site Investigation and Remediation. May 3. Available online at: <http://www.dec.ny.gov/regulations/67386.html>



Tables

Table 1
Phase 1 Results: Field Parameter Data Summary

Site #C734138: BMS Syracuse North Campus Restoration Area

Location	Date	PID (ppm)	Temperature (°C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTU)	Color	Odor	Purged Dry?	Appearance	Comments
B55-1	10/24/2013	0	18.32	4.937	0.24	7.51	-116.3	4.11	brown	No	No	turbid	
B55-2	10/24/2013	NA	17.83	2.215	0.34	7.25	-91.6	12.5	brown	Yes	No	turbid	NAPL-like odor noted during final purge.
BLD 1-1A	10/23/2013	0	14.78	6.459	0.36	7.22	-52.1	589	light reddish-brown	NA	No	NA	
BLD 1-2	9/23/2013	0	15.70	2.776	0.43	7.23	-92.3	9.72	clear	No	No	clear	
BLD 1-3	9/25/2013	1.7	18.71	4.834	0.85	7.20	-51.7	5.46	clear	Yes	No	clear	
BLD 1-4A	9/23/2013	0	15.47	2.589	0.83	7.30	-32.2	10.1	brown	No	No	clear	
BLD 4A-1	9/20/2013	2.4	19.15	4.672	1.83	8.34	-187.3	24.6	black	Yes	No	turbid	
BLD 4B-1	9/26/2013	0	18.11	3.974	3.51	12.04	-112.6	337	light reddish-brown	Yes	No	cloudy	pH result was confirmed using litmus paper.
BLD 5-1	9/26/2013	0	17.95	3.459	0.48	6.95	-32.8	12.7	brown	No	No	turbid	
BLD 5A-1	9/24/2013	6	19.38	2.493	NA	9.33	-10.0	10.1	brown	Yes	No	turbid	
BLD 8-1	9/19/2013	0	18.88	9.991	0.8	10.37	-152.2	1000	brown	No	No	clear	
BLD 8-2	9/19/2013	0	19.03	7.745	0.24	11.77	-134.7	8.65	clear	No	No	clear	
BLD 8A-1	9/20/2013	7.1	18.28	5.708	0.30	12.39	-154.6	3.15	brown	No	No	cloudy	
BLD 8A-1	1/16/2014	5.6	8.68	0.347	4.91	10.20	71.7	15.9	clear	No	No	cloudy	
BLD 8B-1	9/20/2013	0	18.93	3.808	1.23	8.55	-120.9	12.3	clear	No	No	clear	
BLD 8C-1	9/19/2013	0	20.07	2.210	0.93	9.15	-96.0	34.2	light reddish-brown	Yes	No	turbid	
BLD 8D-1	10/3/2013	0	19.45	4.765	NA	7.33	-105.7	109	brown	Yes	No	cloudy	
BLD 9-1	9/19/2013	0.5	20.02	2.390	0	6.35	-156.0	82.5	clear	Yes	Yes	clear	
BLD 9-1	9/20/2013	0.5	21.21	2.353	2.35	7.26	-78.5	720	brown	No	Yes	turbid	
BLD 9A-1	10/3/2013	0	19.65	5.673	0.30	6.60	-80.2	14.8	clear	No	No	clear	
BLD 9B-1	9/18/2013	0	20.08	4.260	0	7.72	-113.0	39.7	light reddish-brown	No	No	turbid	
BLD 20-1	10/24/2013	0	16.65	2.681	0.27	7.29	40.5	3.57	yellow-brown	Yes	No	turbid	
BLD 21A-1	9/19/2013	3.2	19.88	13.88	NA	6.49	-137.1	4.45	black	Yes	No	cloudy	
BLD 24-1	9/4/2013	NA	20.63	4.230	0.19	7.53	100.0	0	clear	No	No	clear	
BLD 24A-1	9/4/2013	NA	22.35	2.460	0.27	7.75	-133.0	0	clear	No	No	clear	
BLD 29-1	9/3/2013	NA	20.11	10.60	0.10	7.24	15.0	0	brown	No	No	cloudy	
BLD 36-1	10/1/2013	0.1	18.66	8.849	0.31	7.80	-167.6	7.54	brown	No	No	turbid	
BLD 41-1	9/26/2013	0	15.93	4.164	4.61	7.00	51.4	5.64	clear	No	No	clear	
BLD 43-1	8/30/2013	0	25.55	4.320	0.36	7.51	-5.0	0	clear	No	No	clear	
BLD 45-1	8/28/2013	0	26.16	2.680	0.02	6.98	-24.0	0	clear	No	No	clear	
BLD 46-1	9/17/2013	0	17.89	4.590	0.16	8.04	-117.0	14	light reddish-brown	No	No	turbid	
BLD 56-1D	10/3/2013	0	16.63	2.885	0.47	7.25	-103.5	20.8	clear	No	No	clear	
BLD 56-1S	10/2/2013	0	18.34	3.427	0.49	6.90	-63.9	17.8	clear	No	No	clear	
BLD 62-1D	9/11/2013	0	28.11	2.560	0	7.81	-100.0	135	light reddish-brown	No	No	cloudy	
BLD 62-1S	9/11/2013	0	27.30	5.490	0.38	7.05	-77.0	4.80	light reddish-brown	Yes	No	cloudy	
BLD 68-1	9/9/2013	0	18.88	2.920	0.63	7.78	79.0	0	clear	Yes	No	clear	
CHP43RX	12/19/2013	0	NA	NA	NA	NA	NA	NA	NA	NA	Yes	NA	Grab sample.
DS 2-1	8/30/2013	0	19.79	3.900	0	8.03	-127.0	0	light reddish-brown	No	No	cloudy	
DS 2-3	8/30/2013	0	22.17	4.390	4.11	8.15	103.0	0	white	No	No	cloudy	
PAN 1-1	9/5/2013	2.3	20.88	20.80	0	7.33	-54.0	11.1	light reddish-brown	No	No	cloudy	
PAS 1-1	9/3/2013	0	19.19	2.120	3.20	7.60	-16.0	32.7	light reddish-brown	No	No	cloudy	
PAS 1-2	9/3/2013	0	21.69	8.790	0	7.13	-9.0	0	clear	Yes	No	clear	
PR 1-1	9/20/2013	1	20.55	2.372	2.54	7.75	-27.7	36.1	light reddish-brown	Yes	No	turbid	
PR 5A-1	9/24/2013	0	18.63	2.718	1.04	7.10	14.8	5.80	brown	No	No	cloudy	

See Notes on Page 3.

Table 1
Phase 1 Results: Field Parameter Data Summary

Site #C734138: BMS Syracuse North Campus Restoration Area

Location	Date	PID (ppm)	Temperature (°C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTU)	Color	Odor	Purged Dry?	Appearance	Comments
PR 8C-1	9/20/2013	33.1	21.01	2.291	2.14	8.15	-137.1	1000	light reddish-brown	Yes	No	turbid	
PR 9A-1	9/26/2013	0.1	20.01	1.176	0.31	7.42	-9.6	6.56	clear	No	No	clear	
PR24A-1	8/27/2013	0	20.57	11.10	0	8.04	89.0	68.5	yellow-brown	No	No	cloudy	
PR 25-1	8/27/2013	0	23.43	6.500	0	7.50	140.0	32.6	light reddish-brown	Yes	No	cloudy	
SR-2	9/16/2013	0	20.00	3.480	0	7.40	-50.0	0	brown	NA	No	NA	
SR-3	9/13/2013	NA	18.75	1.100	0	7.42	-104.0	0	brown	Yes	No	turbid	
SR-4	9/13/2013	NA	19.74	0.873	0.87	7.68	-110.0	0	brown	No	No	cloudy	
SR-5	9/27/2013	0	19.21	1.622	0.33	7.18	-119.9	16.3	white	No	No	cloudy	
T-1	12/19/2013	0	NA	NA	NA	NA	NA	NA	NA	NA	Yes	NA	Grab sample.
T-2	9/24/2013	0	18.33	5.239	0.23	7.80	-217.1	8.91	brown	No	No	turbid	
T-3	9/25/2013	0.1	19.17	4.721	0.30	7.44	-153.8	4.76	brown	No	No	turbid	
T-4	9/25/2013	0.2	19.71	4.389	0.12	11.87	-266.9	9.29	clear	Yes	No	clear	
T-5D	12/20/2013	0	16.25	3.728	4.81	7.60	-130.9	1000	NA	NA	No	NA	
T-5S	9/23/2013	33.8	17.31	12.82	3.98	6.42	-92.1	29.5	brown	Yes	No	cloudy	
T-6	9/25/2013	0	16.88	12.27	0.81	11.30	-168.0	21.0	clear	No	No	cloudy	pH result was confirmed using litmus paper.
T-7	9/25/2013	0.2	17.02	3.663	1.45	7.11	-37.8	4.62	brown	No	No	turbid	
T-9	10/3/2013	0	16.71	4.474	NA	7.44	-112.0	4.85	clear	No	No	cloudy	
T-10	10/1/2013	0.1	18.65	2.820	4.02	7.02	-62.5	4.32	clear	No	No	cloudy	
T-10	1/16/2014	10.2	7.23	1.349	4.44	7.13	85.6	1.30	clear	No	No	cloudy	
T-11	9/19/2013	0	19.13	6.297	3.21	7.17	23.0	5.78	light reddish-brown	Yes	No	NA	
T-12	9/26/2013	0	18.32	3.344	2.68	7.08	-83.8	2.18	clear	Yes	No	clear	
T-13	9/26/2013	0.1	17.87	2.653	3.24	6.81	-69.8	3.02	clear	No	No	clear	
T-15	10/17/2013	0	18.04	1.775	2.19	7.25	-75.9	268	brown	No	Yes	cloudy	
T-16	10/1/2013	NA	17.76	2.786	4.03	8.43	-138.0	1000	light reddish-brown	Yes	No	turbid	
T-17	9/30/2013	NA	19.55	1.212	2.77	7.39	-104.4	1000	light reddish-brown	Yes	No	turbid	
T-18	9/30/2013	1.1	17.58	1.773	1.12	7.12	-84.7	17.2	light reddish-brown	No	No	cloudy	
T-20D	9/27/2013	0.2	16.59	1.762	3.95	7.06	-6.8	10.2	clear	No	No	clear	
T-20S	9/27/2013	0	17.46	2.599	3.95	7.20	-85.2	2.73	clear	No	No	clear	
T-22D	10/23/2013	NA	14.69	4.737	0.92	7.33	-22.6	60.4	NA	NA	No	NA	
T-22S	10/1/2013	0.1	18.97	1.969	0.26	7.18	-107.6	79.1	brown	No	No	turbid	
T-23D	10/2/2013	0	18.91	2.149	2.01	7.18	24.7	640	light reddish-brown	No	No	turbid	
T-23S	10/3/2013	0	17.70	2.400	3.01	7.10	-49.8	438	brown	No	No	cloudy	
T-24	9/18/2013	0.7	19.51	5.050	0.51	6.63	-36.0	0	clear	No	No	clear	
T-24	1/17/2014	0	8.49	1.225	1.12	7.02	41.6	1.80	clear	No	No	clear	
T-25	9/18/2013	0	19.71	3.760	0	7.91	-142.0	220	brown	No	No	clear	
T-25	1/17/2014	0	8.48	0.477	0.23	9.36	-15.9	11.3	clear	No	No	clear	
T-26	9/4/2013	NA	19.46	3.810	0	7.37	-24.0	0	clear	No	No	clear	
T-27	9/6/2013	53.8	22.60	1.850	0	7.71	10.0	0	light reddish-brown	No	No	cloudy	
T-28	9/18/2013	NA	21.84	1.590	0	9.97	-66.0	9.90	black	Yes	No	cloudy	Sheen observed on surface of purge water.
T-29	9/9/2013	0	20.15	10.02	0	11.03	-178.0	95	yellow	Yes	No	cloudy	
T-30	9/16/2013	NA	17.73	5.610	0.15	7.95	-122.0	10.5	light reddish-brown	Yes	No	turbid	
T-30	1/17/2014	0.3	6.42	3.591	0.22	7.62	-106.6	1.40	light reddish-brown	Yes	No	cloudy	
T-31	9/17/2013	0.1	19.74	6.400	0	7.47	-173.0	18.3	clear	Yes	No	clear	
T-31	1/17/2014	0	7.23	3.813	0.33	7.75	-58.3	4.50	light reddish-brown	No	No	clear	

See Notes on Page 3.

Table 1
Phase 1 Results: Field Parameter Data Summary

Site #C734138: BMS Syracuse North Campus Restoration Area

Location	Date	PID (ppm)	Temperature (°C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTU)	Color	Odor	Purged Dry?	Appearance	Comments
T-32	9/17/2013	0	18.18	4.370	0	10.23	-113.0	0	light reddish-brown	Yes	No	cloudy	
T-33	9/11/2013	0	30.52	4.890	0	9.31	-291.0	85.2	brown	Yes	No	cloudy	
T-34	9/10/2013	NA	24.45	0.937	0	7.62	-118.0	1.2	clear	Yes	No	clear	
T-35	9/10/2013	0	24.27	5.130	0	8.04	-162.0	0	light reddish-brown	Yes	No	cloudy	
T-36	9/9/2013	8	22.92	5.460	0	12.91	-377.0	99.2	brown	Yes	No	cloudy	
T-37	8/29/2013	0	21.00	2.270	0	7.41	30.0	0	clear	Yes	No	clear	
T-38	8/29/2013	0	20.49	3.600	0	7.70	-20.0	0	clear	No	No	clear	
T-38	1/17/2014	0.3	7.65	3.797	2.34	7.02	31.0	8.70	clear	Yes	No	clear	
T-39	8/28/2013	0	26.02	6.300	0	7.40	-128.0	31.9	light reddish-brown	No	No	cloudy	
T-39	1/17/2014	0	8.84	7.734	0.21	7.52	-136.1	12.1	light reddish-brown	Yes	No	cloudy	
T-40	8/28/2013	378	24.47	3.620	0	7.27	118.0	0	yellow-brown	Yes	No	clear	
T-40	9/5/2013	NA	20.29	3.610	2.49	7.63	112.0	0	NA	NA	No	clear	
T-41	9/16/2013	0	17.93	4.350	0.32	7.74	-17.0	119	brown	NA	No	NA	
T-42	8/29/2013	0	25.15	1.930	0	8.63	-115.0	16.5	yellow-brown	No	No	clear	
T-42	9/6/2013	NA	21.21	8.910	0.42	8.91	-78.0	0	NA	NA	No	clear	

Notes:

mg/L = milligrams per liter.

mS/cm = milliSiemens per centimeter.

mV = millivolts.

NA = not available.

NTU = nephelometric turbidity unit.

ORP = oxidation reduction potential.

PID = photo ionization detector.

ppm = parts per million.

SU = standard units.

°C = degrees Celsius.

1) Shaded cells indicate a) PID readings greater than 50 ppm, b) pH measurements less than 5 SU, or c) pH measurement greater than 9 SU.

Table 2
Temporary Well Resampling Scope and Sampling Rationale

Site #C734138: BMS Syracuse North Campus Restoration Area

Temporary Well	Analytical Parameters/Field Measurement				Rationale
	VOCs	SVOCs	Ethylene Glycol	Other	
B55-2	X	X			Well is located near the former petroleum storage tank near former Building 55 and also near the downgradient boundary of the BDA. BTEX, one PAH, and trimethylbenzenes were detected at concentrations above applicable groundwater criteria at this location. DCHA was detected at a concentration of 480 µg/L at B55-2, and MeCl was detected at a concentration of 36 µg/L. DCHA was detected at nearby locations BCP B20-002 and BCP B20-003, which were installed in September 2012 and abandoned in October 2012. PAHs were detected in the soil sample collected from nearby boring B55-1, at concentrations above PGW SCO criteria. Sample results from this location will be used to assess the current concentration of these constituents (including DCHA for which there is no groundwater criteria).
BLD 1-1A	X				This well is located near the upgradient edge of the BDA and within the footprint of former Building 1. During the sampling completed in fall 2013 at this location, concentrations of acetone, chloroethane, cis-1,2 DCE, and VC were detected. Resampling is proposed to confirm the detection of these constituents near the upgradient edge of the BDA. These results will be used to assess whether a well upgradient from this location will need to be installed during Phase 2.
BLD 8-1	X	X		pH	This well is centrally located in the northern portion of the BDA. BLD 8-1 is located generally downgradient of elevated detections of total phenols in groundwater (BLD 4A-1 [approximately 4,200 µg/L], T-5S [approximately 2,500 µg/L], T-4 [approximately 330 µg/L]). This well will be resampled to confirm a prior non-detect result for phenol or other phenols at BLD 8-1. The pH recorded at this location in fall 2013 was 10.37 SU. The resampling will be used to confirm the prior pH measurement.

See Notes on Page 9.

11/25/2014

G:\Div11\Bristol-Myers Squibb\East Syracuse_Phase 1A Work Plan\10 Final Reports and Presentations\GW Resampling Plan\C734138_0031411100_Phase 1A WP_GW Resampling_Table 2.docx

Table 2
Temporary Well Resampling Scope and Sampling Rationale

Site #C734138: BMS Syracuse North Campus Restoration Area

Temporary Well	Analytical Parameters/Field Measurement				Rationale
	VOCs	SVOCs	Ethylene Glycol	Other	
BLD 20-1	X	X			This well is located near the downgradient edge of the BDA. During the sampling completed in fall 2013, TCE was detected in groundwater at an estimated concentration of 0.71 µg/L (criteria is 5 µg/L). No other constituents were positively identified at this location (several constituents were tentatively identified). This location is also generally downgradient from several wells where DCHA was detected at elevated concentrations (e.g., SR-3, SR-4, SR-5, and BCP 20 002/003). While there are no groundwater criteria for this constituent and DCHA was not detected at this location during 2013 fall sampling, resampling will be used to confirm the absence of DCHA at this generally downgradient location.
BLD-29-1	X	X			BLD-29-1 is located approximately 150 feet upgradient of the BDA property line in the central portion of the site.. VOCs and SVOCs were not detected at concentrations above groundwater criteria at this location, but several adjacent wells (to the south/southwest/west and generally side or upgradient) had exceedances for VOCs and SVOCs (e.g., BLD 9A-1, BLD 9-1, T-25, T-26, T-28, T-29, PR 9A-1). Resampling will be used to confirm the horizontal extent of these constituents at this location.
BLD 36-1	X	X			This well is close to the downgradient edge of the BDA in the north-central portion of the BDA. At well BLD 36-1, total phenols were detected at a concentration of 6.46 µg/L, which is above the criteria of 1 µg/L. Total phenols were also detected at concentrations above the total phenols criteria in several of wells in the general upgradient direction from BLD 36-1 (BLD 5A-1, BLD 8C-1, BLD 21A-1, T-5S). Acetone was also detected at BLD 36-1 and some general upgradient locations (BLD 5A-1, T-5S, BLD 8C-1, BLD 21A-1). Resampling will be used to confirm the horizontal extent of phenols and acetone near the downgradient boundary of the BDA.

See Notes on Page 9.

11/25/2014

G:\Div11\Bristol-Myers Squibb\East Syracuse_Phase 1A Work Plan\10 Final Reports and Presentations\GW Resampling Plan\C734138_0031411100_Phase 1A WP_GW Resampling_Table 2.docx

Table 2
Temporary Well Resampling Scope and Sampling Rationale

Site #C734138: BMS Syracuse North Campus Restoration Area

Temporary Well	Analytical Parameters/Field Measurement				Rationale
	VOCs	SVOCs	Ethylene Glycol	Other	
BLD 46-1	X				This well is located downgradient of the northern parking lot associated with Building 22 and the most upgradient well in this area of the BDA. During the fall 2013 sampling event, MTBE was detected in well BLD 46-1 at a concentration of 0.64 µg/L (more than one order of magnitude below criteria of 10 µg/L). To confirm the detection of MTBE at this location, groundwater from this well will be resampled and analyzed for VOCs.
BLD 62-1D	X	X		Glycols/alcohols, TAL inorganics, nitrogen as ammonia, nitrate, nitrite, sulfate, pesticides, and PCBs	BLD 62-1D is located generally downgradient from the former CHAPA area. Based on the total well depth reported on the groundwater sampling log for this well, it appears that the well designation and therefore the results for BLD 62-1D and BLD 62-1S were reversed. This well and BLD 62-1S will be resampled to confirm this assumption. This well and BLD 62-1S will also be checked for the possible presence of NAPL. The analytical suite at BLD 62-1D during the resampling will be the same suite as analyzed for sample labeled BLD 62-1S (but which was likely BLD 62-1D).
BLD 62-1S	X	X		Glycols/alcohols, TAL inorganics, nitrogen as ammonia, nitrate, nitrite, sulfate, pesticides, and PCBs	BLD 62-1S is located generally downgradient from the former CHAPA area. Based on the total well depth reported on the groundwater sampling log for this well, it appears that the well designation and therefore the result for BLD 62-1D and BLD 62-1S were reversed. This well and BLD 62-1D will be resampled to confirm this assumption. This well and BLD 62-1S will also be checked for the possible presence of NAPL.
BLD 68-1	X	X	X		This well is located generally downgradient from the BLD 62-1S/D well cluster. VOCs and SVOCs were not detected at concentrations above groundwater criteria at this location; however, ethylene glycol was detected above criteria at this well. Several wells in the generally sidegradient or upgradient direction from this well did have exceedances for VOCs and SVOCs (e.g., T-29, BLD 9-1, BLD 56-1D, BLD 62-1S/D, CHP43RX). Resampling at this location will be used to confirm the horizontal extent of VOCs and SVOCs near the water table and to assess the presence or absence of ethylene glycol at this location. In addition, six soil samples collected from the CHAPA area and downgradient of the CHAPA area had concentrations of MeCl above the PGW SCO criteria (T-28, T-29, T-35, T-36, BLD 62-1, and CHP43RX). The results from the resampling will be used to assess the horizontal extent of MeCl in groundwater, which may be associated with these soil exceedances.

See Notes on Page 9.

11/25/2014

G:\Div11\Bristol-Myers Squibb\East Syracuse_Phase 1A Work Plan\10 Final Reports and Presentations\GW Resampling Plan\C734138_0031411100_Phase 1A WP_GW Resampling_Table 2.docx

Table 2
Temporary Well Resampling Scope and Sampling Rationale

Site #C734138: BMS Syracuse North Campus Restoration Area

Temporary Well	Analytical Parameters/Field Measurement				Rationale
	VOCs	SVOCs	Ethylene Glycol	Other	
CHP43RX*	X	X		Glycols/alcohols	CHP43RX is located in the area downgradient from the former CHAPA vault. Prior sampling of this well could not be completed using only low-flow sampling protocol due to slow recovery, which has the potential to bias the sampling results. Groundwater will be resampled from this location for the original sampling parameters (VOCs, SVOCs, and glycols/alcohols) in an attempt to collect a sample using an ultra-low flow protocol to minimize the potential bias in the sample results. Ultra-low flow sampling protocol is provided in Appendix B. During sampling, the well will be gauged to assess the possible presence of NAPL due to the previously elevated concentration of MeCl at this location.
DS 2-3	X				The well is located near the downgradient edge of the BDA, east of Building 25N and generally downgradient from areas where multiple groundwater criteria exceedances were previously observed (e.g., T-36, BLD 56-1D, BLD 62-1S/D). Resampling of VOCs will be used to confirm the downgradient extent at the water table for those prior exceedances. TCE was also detected in groundwater from this location at a concentration of 0.92 µg/L. The data from the resampling will be used to assess whether there has been an appreciable change in the concentration of this constituent at DS 2-3.
PAS 1-1	X	X		Glycols/alcohols, TAL inorganics, PCBs, and pesticides	PAS 1-1 is located in the main parking lot at the southwestern corner of the BDA. Based on the total well depth reported on the groundwater sampling log for this well, it appears that the well designation and therefore the results for PAS 1-1 and PAS 1-2 were reversed. This well and PAS 1-2 will be resampled to confirm this assumption.
PAS 1-2	X	X		Glycols/alcohols, TAL inorganics, PCBs, and pesticides	PAS 1-2 is located in the main parking lot at the southwestern corner of the BDA. Based on the total well depth reported on the groundwater sampling log for this well, it appears that the well designation and therefore the results for PAS 1-2 and PAS 1-1 were reversed. This well and PAS 1-1 will be resampled to confirm this assumption.

See Notes on Page 9.

11/25/2014

G:\Div11\Bristol-Myers Squibb\East Syracuse_Phase 1A Work Plan\10 Final Reports and Presentations\GW Resampling Plan\C734138_0031411100_Phase 1A WP_GW Resampling_Table 2.docx

Table 2
Temporary Well Resampling Scope and Sampling Rationale

Site #C734138: BMS Syracuse North Campus Restoration Area

Temporary Well	Analytical Parameters/Field Measurement				Rationale
	VOCs	SVOCs	Ethylene Glycol	Other	
PR 1-1	X				This well is located in the northern portion of the site and just downgradient of former Building 1. The sample collected from PR 1-1 during the fall 2013 sampling event had the highest observed concentration (1,800 µg/L) of CFC-113 from the site during this investigation. One well, BLD 1-4A, located near and just upgradient of PR 1-1 also had CFC 113 at a concentration of 1,200 µg/L. Resampling at PR 1-1 will be used to assess the current concentration of this constituent at this location.
PR 5A-1	X	X			PR 5A-1 is generally centralized in the northern end of the BDA and generally downgradient of T-5S. T-5S had a detection of 3,400,000 µg/L of MeCl, along with other elevated constituent concentrations including acetone and n-butanol. The soil samples collected from PR 5A-1 and T-5 also had concentrations of MeCl above the PGW SCO criteria. However, PR 5A-1 did not have any exceedances of groundwater quality criteria. PR 5A-1 is also downgradient/sidegradient from BLD 4A-1, which had elevated concentrations of total phenols of nearly 4,200 µg/L. Resampling at PR 5A-1 will also be used to confirm the concentration of VOCs and phenols at this location.
PR 24A-1	X				PR 24A-1 is a water table well located generally downgradient or slightly sidegradient of BLD 62-1S. BLD 62-1S had a detection of 8,400 µg/L of MeCl in fall 2013. In addition, six soil samples collected from the area near and or generally downgradient of the CHAPA area had concentrations of MeCl above the PGW SCO criteria (T-28, T-29, T-35, T-36, BLD 62-1S, and CHP43RX). Results from the resampling will be used to assess MeCl concentrations in groundwater, and to confirm the horizontal extent of MeCl downgradient from BLD 62-1S.

See Notes on Page 9.

11/25/2014

G:\Div11\Bristol-Myers Squibb\East Syracuse_Phase 1A Work Plan\10 Final Reports and Presentations\GW Resampling Plan\C734138_0031411100_Phase 1A WP_GW Resampling_Table 2.docx

Table 2
Temporary Well Resampling Scope and Sampling Rationale

Site #C734138: BMS Syracuse North Campus Restoration Area

Temporary Well	Analytical Parameters/Field Measurement				Rationale
	VOCs	SVOCs	Ethylene Glycol	Other	
T-5D	X				T-5D is the deeper of the two wells in the T-5S/D well cluster. This well cluster is located in the central portion of the northern end of the BDA. MeCl was detected in T-5S at a concentration of 3,400,000 µg/L or at approximately 2% of the water solubility limit for this constituent. Several other constituents were detected at elevated concentrations in T-5S, including acetone and n-butanol. Collection of a groundwater sample from T-5D will be used to confirm the vertical extent of the constituents detected in T-5S.
T-15	X	X		pH	T-15 is located in the northern half and near the central portion of the BDA. Constituents were not detected in T-15 above criteria and pH was near neutral at 7.25 SU. T-15 is located downgradient/sidegradient of several wells including BLD 4B-1, BLD 8A-1, BLD 8-2, T-9, and T-12, which had concentrations of total phenols above criteria in fall 2013. In addition, at two immediately upgradient locations, pH was measured at 11.77 SU in well BLD 8-2, and 12.39 and 10.20 SU in well BLD 8A-1 in fall 2013. T-15 will be sampled to confirm horizontal extent of phenols. pH will be measured to assess the pH downgradient of wells BLD 8-2 and BLD 8A-1.
T-22D	X	X	X		T-22D is the deeper of two wells in the T-22S/D cluster. This well cluster is located along the downgradient edge of the BDA and downgradient of the former aboveground storage tank area. No constituents were detected in the sample from T-22D at concentrations above criteria during the fall 2013 sampling event. DCHA was not detected at this location but was detected at T-22S, the shallow well in the adjacent T-22 well cluster. T-22D will be resampled to confirm the results of the prior sampling event, and ; to refine vertical delineation for DCHA.
T-22S	X	X	X		T-22S is the shallower well of the two wells in the T-22S/D cluster. This well cluster is located along the downgradient edge of the BDA. No constituents were detected at concentrations above criteria during the fall 2013 sampling event. However, DCHA was detected at this location at a concentration of 140 µg/L. No groundwater criteria exists for this constituent. T-22S will be resampled to confirm the results of the prior sampling event.

See Notes on Page 9.

11/25/2014

G:\Div11\Bristol-Myers Squibb\East Syracuse_Phase 1A Work Plan\10 Final Reports and Presentations\GW Resampling Plan\C734138_0031411100_Phase 1A WP_GW Resampling_Table 2.docx

Table 2
Temporary Well Resampling Scope and Sampling Rationale

Site #C734138: BMS Syracuse North Campus Restoration Area

Temporary Well	Analytical Parameters/Field Measurement				Rationale
	VOCs	SVOCs	Ethylene Glycol	Other	
T-23S	X	X		TAL inorganics	T-23S is located just south of the T-22S/D well cluster and near the downgradient edge of the BDA. During the fall 2013 sampling event, several inorganics were detected at T-23S at concentrations above criteria. To confirm the detections of inorganics, T-23S will be resampled for inorganics. DCHA was detected at the adjacent well T-22S at a concentration of 140 µg/L, but was not detected at T-23S. T-23S will be resampled to assess the current concentration of DCHA at this location. In addition, the soil sample collected from upgradient soil boring T-21 had concentrations of acetone above the PGW SCO criteria, but the groundwater sample results for T-23S were below the standard applicable to acetone at 13 µg/L. The results from the resampling will be used to assess the horizontal extent of acetone in groundwater, which may be associated with these soil exceedances.
T-27	X	X		pH	The well is located near the downgradient edge of the BDA in the central portion of the BDA. Sampling at T-27 will be used to confirm the prior detection of PAHs and absence of VOCs above criteria at this location. In addition, pH was measured at 9.97 in upgradient well T-28. As such, T-27 will be monitored for pH to confirm the pH of downgradient groundwater.
T-29				pH	T-29 is located slightly north of the center of the BDA. pH of 11.03 SU was measured in T-29 during the previous sampling event. Resampling will be conducted to confirm the prior pH measurement.

See Notes on Page 9.

11/25/2014

G:\Div11\Bristol-Myers Squibb\East Syracuse_Phase 1A Work Plan\10 Final Reports and Presentations\GW Resampling Plan\C734138_0031411100_Phase 1A WP_GW Resampling_Table 2.docx

Table 2
Temporary Well Resampling Scope and Sampling Rationale

Site #C734138: BMS Syracuse North Campus Restoration Area

Temporary Well	Analytical Parameters/Field Measurement				Rationale
	VOCs	SVOCs	Ethylene Glycol	Other	
T-36	X			pH	T-36 is located just downgradient of the former CHAPA vault. During the prior sampling at this location, a pH of 12.91 SU was measured. Resampling will be conducted to confirm the prior pH measurement. As discussed at the May 23, 2014 project meeting, ARCADIS evaluated each well location to determine if any of the Phase 1 wells met the two following criteria: • Locations where concentrations of constituents were above 1% of that constituent solubility • Locations where the well screen straddles the till/overlying material interface. T-36 is the only location that approaches these criteria (the observed concentrations are just below 1% solubility of MeCl). As such, this location will be resampled, and gauged using an interface probe to assess the possible presence of NAPL. Following the resampling and receipt and review of analytical results, this well will be properly decommissioned.
T-40	X				This well is located in the central portion of the southern end of the BDA in an area formerly used as an aboveground tank farm. The well headspace PID measurement was 378 ppm prior to sampling; however, VOCs were not detected in groundwater above criteria at this location. One sample will be collected to confirm the previous VOC results.
T-42	X	X		TAL metals, pesticides, nitrogen as ammonia, nitrate, nitrite, sulfate	This well is located in the central portion of the southern end of the BDA and in a general downgradient location (localized flow in this area appears to be to the northeast and toward the BDA property line). During the fall 2013 sampling event, acetone was detected at a concentration of 3,200 µg/L. At other wells in the area (DS 2-3 and T-37), VOCs were below groundwater criteria for all VOCs. SVOCs were not detected; however, the detection limit at this location was above normal. Several metals were above their respective criteria as well as several inorganic parameters and one pesticide. This well will be resampled to confirm the previous results.

See Notes on Page 9.

11/25/2014

G:\Div11\Bristol-Myers Squibb\East Syracuse_Phase 1A Work Plan\10 Final Reports and Presentations\GW Resampling Plan\C734138_0031411100_Phase 1A WP_GW Resampling_Table 2.docx

Page 8 of 9

Table 2
Temporary Well Resampling Scope and Sampling Rationale

Site #C734138: BMS Syracuse North Campus Restoration Area

Notes:

1. Results of the Phase 1 groundwater sampling event were compared to the NYSDEC Technical & Operational Guidance Series 1.1.1 (criteria).
2. All wells will be resampled in accordance with the low-flow sampling methods in the OBG 2013 Field Sampling Plan, except for CHPA43RX, which will be sampled using ultra-low-flow protocol.
3. Potential NAPL observations will be confirmed using a hydrophobic dye.
4. Field parameters (i.e., pH, conductivity, temperature, turbidity) will be measured during sampling at all of the locations identified for sampling. At specific locations, pH has been identified as an "other" constituent for analysis because an elevated pH (>9) was previously noted at the location or at one or more nearby (and generally) upgradient locations. pH measurements will be conducted using calibrated field instruments (not in the laboratory). As discussed in the letter dated April 24, 2014 from BMS to the NYSDEC (Comment-Response 12), measurements of pH in water must be completed immediately to avoid pH changes associated with carbon dioxide disassociation in the stored sample. Therefore, pH measurements will be conducted using calibrated field instruments (not in the laboratory).
5. Unless otherwise noted, analysis will be only for ethylene glycol, because no other groundwater quality glycol exceedances were observed.
6. Anilines represent more than one aniline-based COC.
7. Phenols represent more than one phenol-based COC.
8. * CHP43RX is not a temporary monitoring well.

BDA = Brownfield Development Area.

BTEX = benzene, toluene, ethylbenzene, and xylenes.

CFC-113 = 1,1,2-trichloro-1,2,2-trifluoroethane.

COC = constituent of concern.

DCE = dichloroethene.

DCHA = dicyclohexylamine.

MeCl = methylene chloride.

MTBE = methyl tert-butyl ether.

NAPL = nonaqueous phase liquid.

NYSDEC = New York State Department of Environmental Conservation.

OBG = O'Brien & Gere Engineers.

PAH = polycyclic aromatic hydrocarbon.

PCB = polychlorinated biphenyl.

PGW SCO = Protection of groundwater soil cleanup objective criteria as defined in DER-10 and CP-51.

resampling plan = Resampling of Temporary Monitoring Wells Module.

SU = Standard Units.

SVOC = semivolatile organic compound.

TAL inorganics = Target Analyte List inorganics – to include the United States Environmental Protection Agency TAL metals plus molybdenum and cyanide.

TCE = trichloroethene.

VC = vinyl chloride.

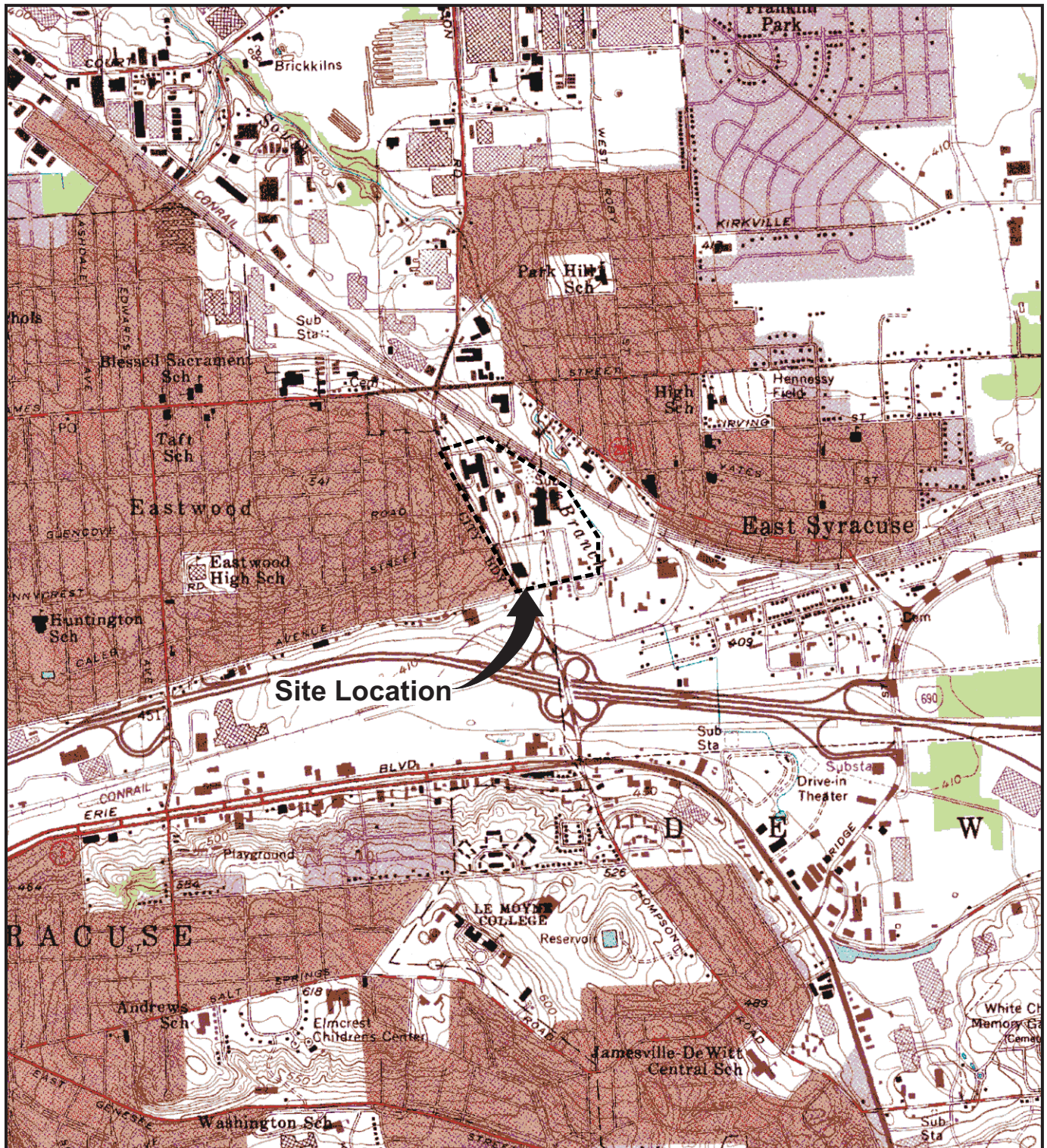
VOC = volatile organic compound.

Well = temporary monitoring well installed as part of the Phase 1 program.

µg/L = micrograms per liter.

°C = degrees Centigrade.

Figures



REFERENCE: BASE MAP USGS 7.5 MIN. QUAD., SYRACUSE EAST, N.Y., 1957. PHOTOREVISED 1978.

2000' 0 2000'
Approximate Scale: 1" = 2000'



SITE #C734138:BMS SYRACUSE
NORTH CAMPUS RESTORATION AREA
EAST SYRACUSE, NY

SITE LOCATION MAP



FIGURE
1

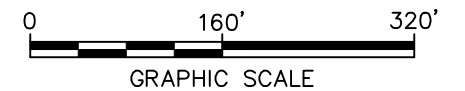


LEGEND:

- APPROXIMATE BROWNFIELD AREA BOUNDARY
- APPROXIMATE PROPERTY LINE, BRISTOL-MYERS SQUIBB
- OCCUPIED BUILDINGS
- UNOCCUPIED BUILDINGS / STRUCTURES
- DEMOLISHED BUILDINGS
- PAVED OR CONCRETE AREAS
- UNPAVED AREAS
- EXISTING RAILROAD
- SOIL BORING
- TEMPORARY MONITORING WELL
- DECOMMISSIONED MONITORING WELL
- BEDROCK MONITORING WELL

NOTES:

- BASEMAP BASED ON A MAP TITLED "BRISTOL-MYERS SQUIBB PART OF LOT 41 - TOWN OF DEWITT AND PART OF THE VILLAGE OF EAST SYRACUSE ONONDAGA COUNTY NEW YORK", DATED MARCH 25, 2010 PREPARED BY COTTRELL LAND SURVEYORS, P.C., UPDATED BASED ON ARCADIS FIELD VISIT JULY 2014, SEPTEMBER 11, 2014 AND BING AERIAL IMAGERY ACQUIRED SEPTEMBER, 2014.
- MONITORING WELL AND OUTFALL LOCATIONS AND ELEVATION SURVEY BY CT MALE ASSOCIATES, SYRACUSE NY, OCTOBER 2013, JUNE 2014, AND SEPTEMBER 2014. ELEVATIONS NAVD 88, HORIZONTAL NAD 83.

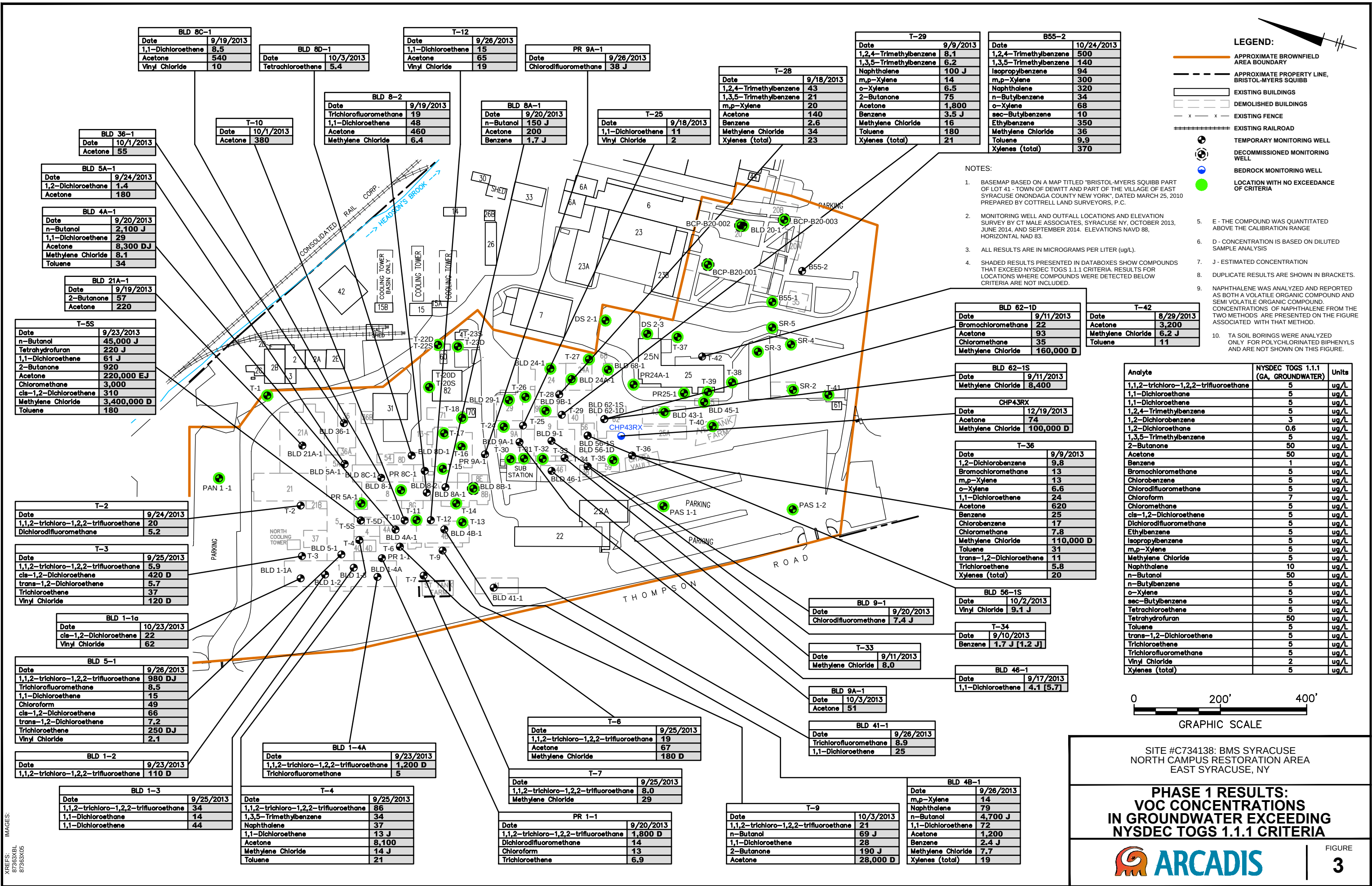


GRAPHIC SCALE

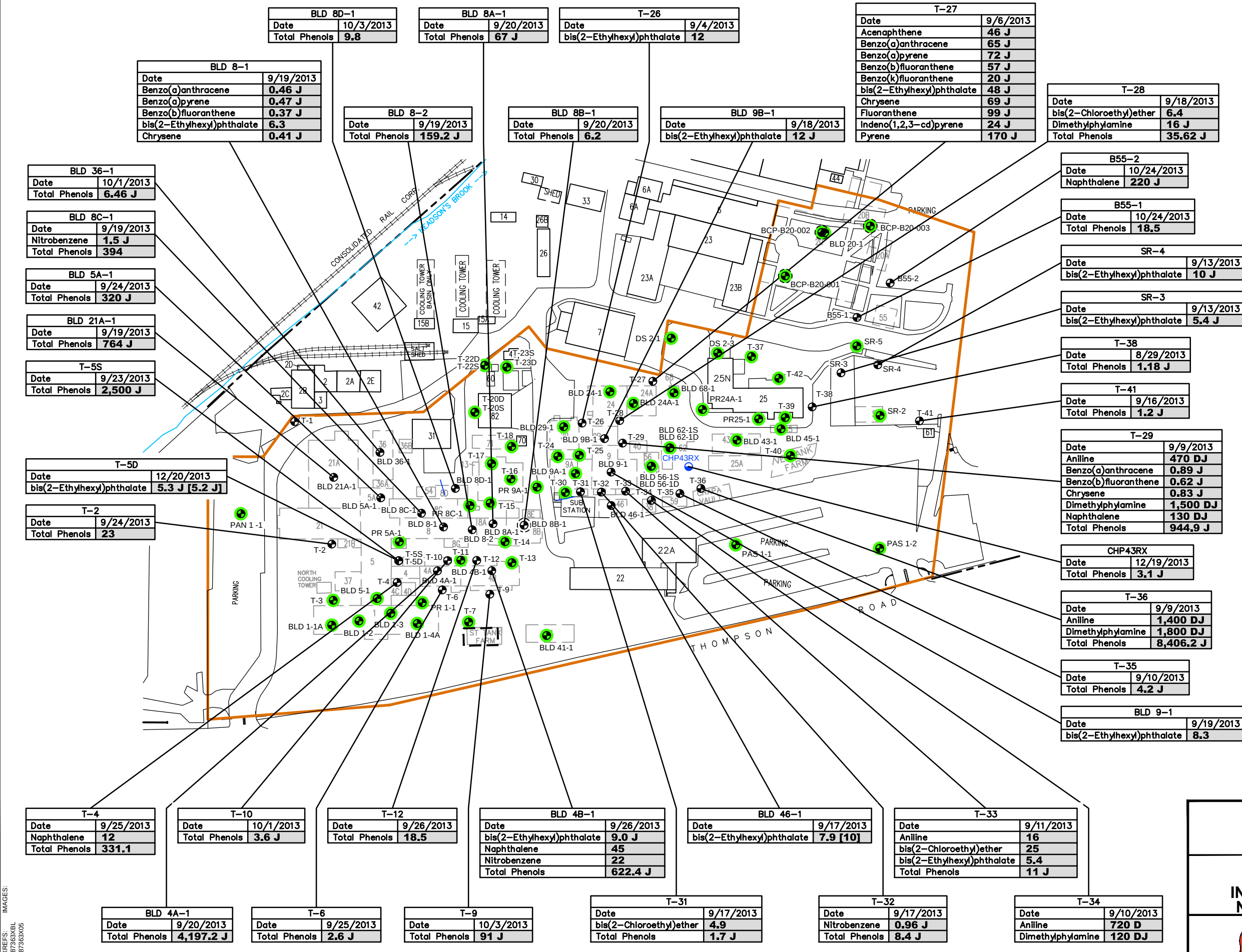
SITE #C734138: BMS SYRACUSE
NORTH CAMPUS RESTORATION AREA
EAST SYRACUSE, NY

SITE PLAN





CITY: SYRACUSE, NY DIV: GROUP: ENV/EST/IM-DV DB: L. POSEMAUER PM: G. THOMAS TMTR: A. KORIK LYRON: OFF-REF: FRZ
G:\ENV\CAD\S\SYRACUSE\ACT\18087263\0005\00001\DWG\PHASE1\87363004.dwg LAYOUT: 4. SAVED: 11/7/2014 1:23 PM ACADVER: 18.1S (LMS TECH) PAGES: 18.1S (LMS TECH) PLOTSETUP: C:\BADOBEPDF PLOTSTYLETABLE: PLT\FULL.CTB PLOTTED: 11/24/2014 9:34 AM BY: POSEMAUER, LISA



LEGEND:

- APPROXIMATE BROWNFIELD AREA BOUNDARY
- APPROXIMATE PROPERTY LINE, BRISTOL-MYERS SQUIBB
- EXISTING BUILDINGS
- DEMOLISHED BUILDINGS
- EXISTING FENCE
- EXISTING RAILROAD
- TEMPORARY MONITORING WELL
- DECOMMISSIONED MONITORING WELL
- BEDROCK MONITORING WELL
- LOCATION WITH NO EXCEEDANCE OF CRITERIA

Analyte	NYSDEC TOGS 1.1.1 (GA, GROUNDWATER)	Units
Acenaphthene	20	ug/L
Aniline	5	ug/L
Benzo(a)anthracene	0.002	ug/L
Benzo(a)pyrene	ND	ug/L
Benzo(b)fluoranthene	0.002	ug/L
Benzo(k)fluoranthene	0.002	ug/L
bis(2-Chloroethyl)ether	1	ug/L
bis(2-Ethylhexyl)phthalate	5	ug/L
Chrysene	0.002	ug/L
Dimethylphylamine	1	ug/L
Fluoranthene	50	ug/L
Indeno(1,2,3-cd)pyrene	0.002	ug/L
Naphthalene	10	ug/L
Nitrobenzene	0.4	ug/L
Pyrene	50	ug/L
Total Phenols	1	ug/L

- NOTES:**
- BASEMAP BASED ON A MAP TITLED "BRISTOL-MYERS SQUIBB PART OF LOT 41 - TOWN OF DEWITT AND PART OF THE VILLAGE OF EAST SYRACUSE ONONDAGA COUNTY NEW YORK", DATED MARCH 25, 2010 PREPARED BY COTTRELL LAND SURVEYORS, P.C.
 - MONITORING WELL AND OUTFALL LOCATIONS AND ELEVATION SURVEY BY CT MALE ASSOCIATES, SYRACUSE NY, OCTOBER 2013, JUNE 2014, AND SEPTEMBER 2014. ELEVATIONS NAVD 88, HORIZONTAL NAD 83.
 - ALL RESULTS IN MICROGRAMS PER LITER (ug/L).
 - SHADED RESULTS PRESENTED IN DATABASES SHOW COMPOUNDS THAT EXCEED NYSDEC TOGS 1.1.1 CRITERIA. RESULTS FOR LOCATIONS WHERE COMPOUNDS WERE DETECTED BELOW CRITERIA ARE NOT INCLUDED.
 - D - CONCENTRATION IS BASED ON DILUTED SAMPLE ANALYSIS
 - J - ESTIMATED CONCENTRATION
 - DUPLICATE RESULTS ARE SHOWN IN BRACKETS.
 - NAPHTHALENE WAS ANALYZED AND REPORTED AS BOTH A VOC AND SVOC. CONCENTRATIONS OF NAPHTHALENE FROM THE TWO METHODS ARE PRESENTED ON THE FIGURE ASSOCIATED WITH THAT METHOD.
 - TA SOIL BORINGS WERE ANALYZED ONLY FOR PCBs AND ARE NOT SHOWN ON THIS FIGURE.



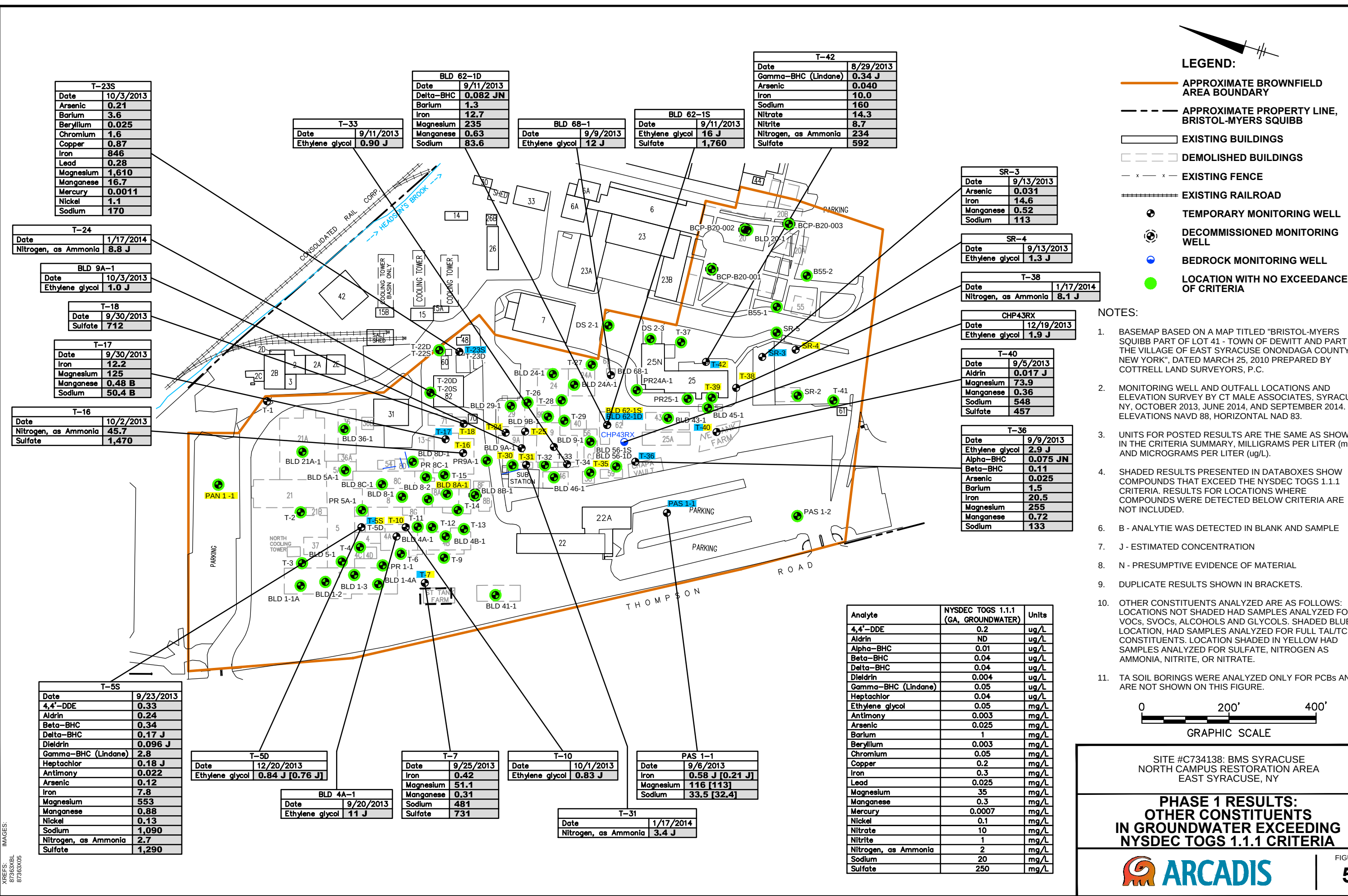
SITE #C734138: BMS SYRACUSE
NORTH CAMPUS RESTORATION AREA
EAST SYRACUSE, NY

**PHASE 1 RESULTS:
SVOC CONCENTRATIONS
IN GROUNDWATER EXCEEDING
NYSDEC TOGS 1.1.1 CRITERIA**

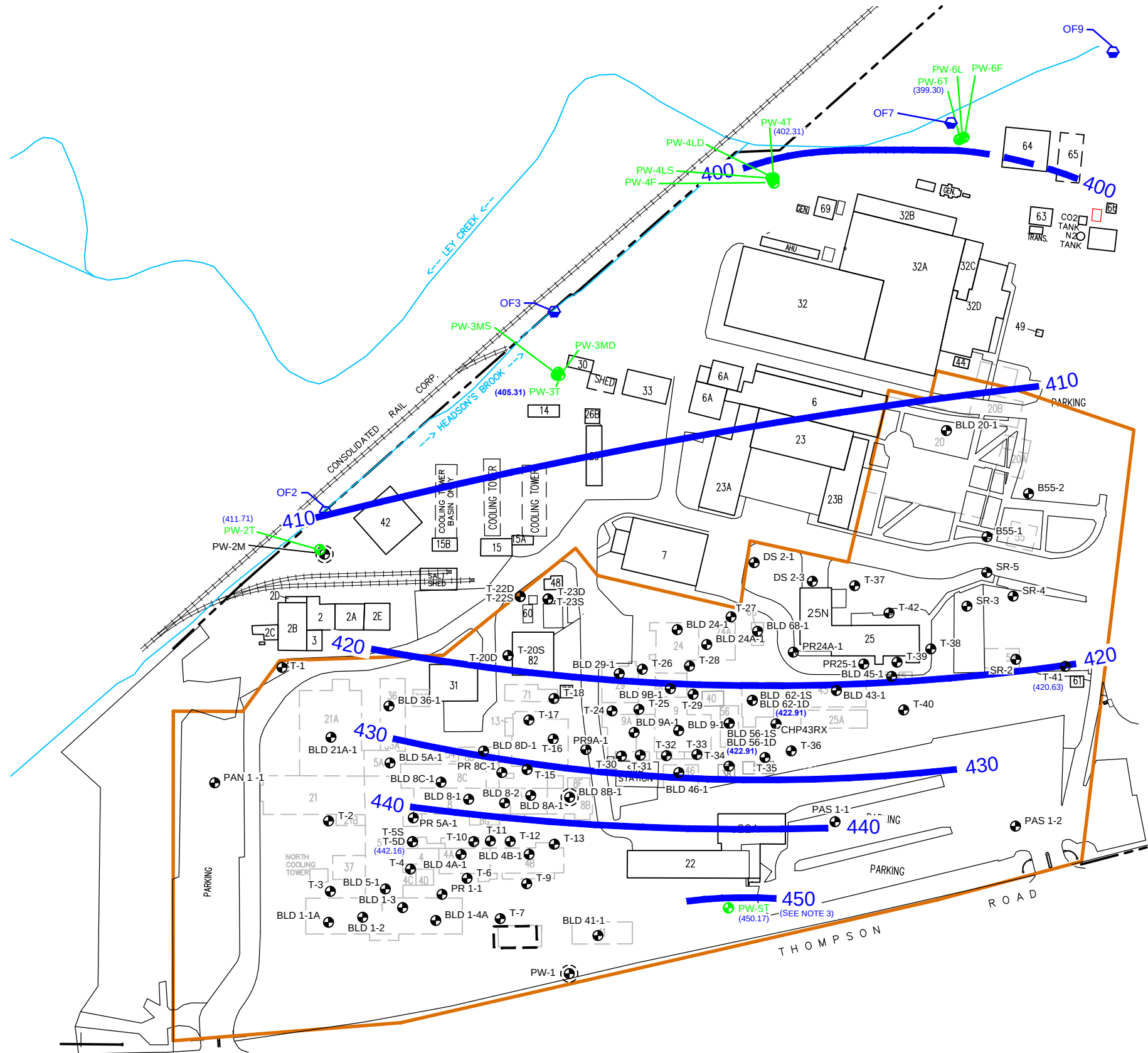
ARCADIS

FIGURE
4

CITY: SYRACUSE, NY DIV/GRP: ENV/EST/IM-DV DB: L. POSENAUER, PM: G. THOMAS, TMTR: A. KORIK, LYRONS: OFF-REF, FRZ
G:\ENVCAD\Syracuse\SELECT\18087263\0000\DWG\PHASE1\87363005.dwg LAYOUT: 5, SAVED: 11/7/2014 1:24 PM, ACADVER: 18.1S (LWS TECH) PAGES: 10, C:\BADOBE\PDF PLOT\STYLETABLE: PLT\FULL.CTB PLOTTED: 11/24/2014 9:34 AM BY: POSENAUER, LISA



CITY: SYRACUSE, NY DIV/GROUP: ENV/EST/IM-DV DE: R. BASSETT, P. LISTER PW: G. THOMAS TM/TR: A. KORIK LYRONE+OFF-REF. (FRZ)
G:\ENVCAD\SYRACUSE\SELECT\B0872630\0005\00001\DWG\PHASE1\B7363W07.dwg LAYOUT: 7 SAVED: 11/7/2014 1:25 PM ACADVER: 18.1.5 (LMS TECH) PAGESETUP: C:\B-ADOBE\PDF PLOTSTYLETABLE: PLT\FULL.CTB PLOTTED: 11/24/2014 9:35 AM BY: POSENAUER, LISA
XREFS: 87363XBL 87363X05
IMAGES:

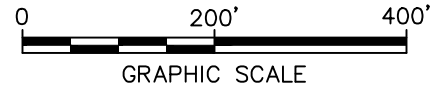


LEGEND:

- APPROXIMATE BROWNFIELD AREA BOUNDARY
- APPROXIMATE PROPERTY LINE, BRISTOL-MYERS SQUIBB
- DEMOLISHED BUILDINGS
- EXISTING RAILROAD
- PERIMETER MONITORING WELL
- TEMPORARY MONITORING WELL
- DECOMMISSIONED MONITORING WELL
- SURFACE WATER LEVEL GAUGING POINT
- GROUNDWATER ELEVATION (FT)
- INFERRED POTENTIOMETRIC SURFACE CONTOUR (FT)

NOTES:

- BASEMAP BASED ON A MAP TITLED "BRISTOL-MYERS SQUIBB PART OF LOT 41 - TOWN OF DEWITT AND PART OF THE VILLAGE OF EAST SYRACUSE ONONDAGA COUNTY NEW YORK", DATED MARCH 25, 2010 PREPARED BY COTTRELL LAND SURVEYORS, P.C., UPDATED BASED ON ARCADIS FIELD VISIT JULY 2014, SEPTEMBER 11, 2014 AND BING AERIAL IMAGERY ACQUIRED SEPTEMBER, 2014.
- MONITORING WELL AND OUTFALL LOCATIONS AND ELEVATION SURVEY BY CT MALE ASSOCIATES, SYRACUSE NY, OCTOBER 2013, JUNE 2014, AND SEPTEMBER 2014. ELEVATIONS NAVD 88, HORIZONTAL NAD 83.
- WELL PW-5T IS SCREENED IN THE TILL UNIT AND ACROSS THE WATER TABLE AND THEREFORE IS INCLUDED ON BOTH THE WATER TABLE ELEVATION AND POTENTIOMETRIC SURFACE ELEVATION CONTOUR MAPS.
- THE WATER LEVELS USED TO DEVELOP THIS POTENTIOMETRIC SURFACE ELEVATION CONTOUR MAP WERE SELECTED BASED ON PROFESSIONAL JUDGMENT AND CONSIDERED THE STRATIGRAPHIC POSITION OF THE WELL SCREEN, RELATIVE HEAD LEVELS IN THE WELLS, LOCATION AT THE SITE AND LOCATION AND NUMBER OF OTHER WELLS IN THE AREA.

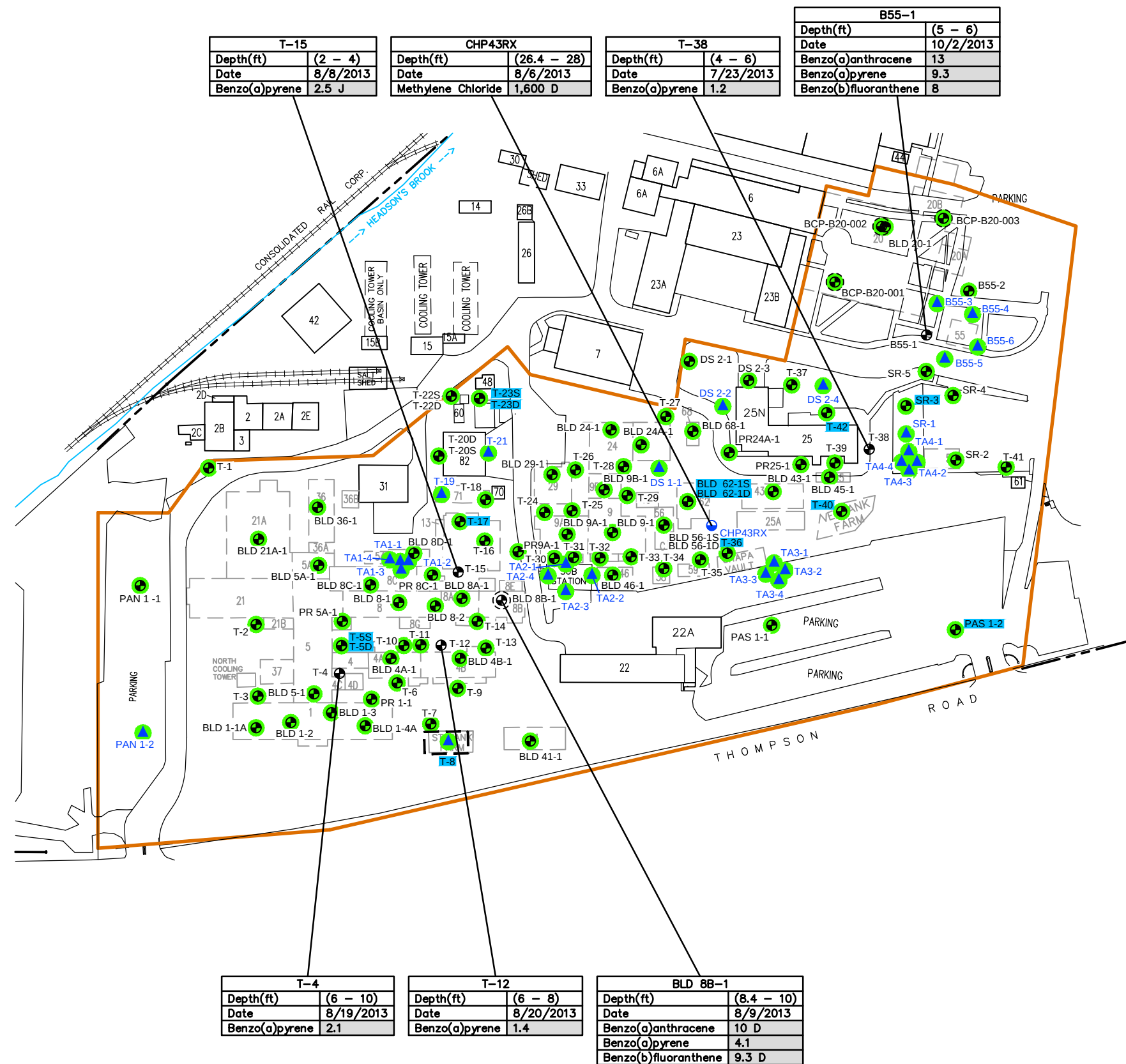


SITE #C734138: BMS SYRACUSE
NORTH CAMPUS RESTORATION AREA
EAST SYRACUSE, NY

**POTENTIOMETRIC SURFACE
ELEVATION CONTOURS
DECEMBER 6, 2013**



CITY: SYRACUSE, NY DIV: GROUP: ENV/EST/IM+DV DB: L. POSENAUER PM: G. THOMAS TMTR: A. KORIK LYRON: OFF-REF: (FRZ)
G:\ENVCAD\SYRACUSE\SEACT\B087263\0005\00001\DWG\PHASE1\87363009.dwg LAYOUT: 9 SAVED: 11/7/2014 1:26 PM ACADVER: 18.1S (LMS TECH) PAGES: 18 PLOTTABLE: PLT\FULLCTB PLOTTED: 11/24/2014 9:35 AM BY: POSENAUER, LISA
XREFS: 87363XBL 87363XU5



LEGEND:

- APPROXIMATE BROWNFIELD AREA BOUNDARY
- APPROXIMATE PROPERTY LINE, BRISTOL-MYERS SQUIBB
- EXISTING BUILDINGS
- DEMOLISHED BUILDINGS
- EXISTING FENCE
- EXISTING RAILROAD
- SOIL BORING
- TEMPORARY MONITORING WELL
- DECOMMISSIONED MONITORING WELL
- BEDROCK MONITORING WELL
- LOCATION WITH NO EXCEEDANCE OF CRITERIA

Analyte	COMMERCIAL USE SCO	Units
Methylene Chloride	500	mg/kg
Benzo(a)anthracene	5.6	mg/kg
Benzo(a)pyrene	1	mg/kg
Benzo(b)fluoranthene	5.6	mg/kg

- NOTES:**
- BASEMAP BASED ON A MAP TITLED "BRISTOL-MYERS SQUIBB PART OF LOT 41 - TOWN OF DEWITT AND PART OF THE VILLAGE OF EAST SYRACUSE ONONDAGA COUNTY NEW YORK", DATED MARCH 25, 2010 PREPARED BY COTTRELL LAND SURVEYORS, P.C.
 - MONITORING WELL AND OUTFALL LOCATIONS AND ELEVATION SURVEY BY CT MALE ASSOCIATES, SYRACUSE NY, OCTOBER 2013, JUNE 2014, AND SEPTEMBER 2014. ELEVATIONS NAVD 88, HORIZONTAL NAD 83.
 - ALL RESULTS ARE IN MILLIGRAMS PER KILOGRAM (mg/kg).
 - SHADED RESULTS PRESENTED IN DATABOXES SHOW COMPOUNDS THAT EXCEED THE COMMERCIAL USE SOIL CLEANUP OBJECTIVE (SCO) CRITERIA. RESULTS FOR LOCATIONS WHERE COMPOUNDS WERE DETECTED BELOW CRITERIA ARE NOT INCLUDED.
 - D - CONCENTRATION IS BASED ON DILUTED SAMPLE ANALYSIS
 - J - ESTIMATED CONCENTRATION
 - TA SOIL BORINGS WERE ANALYZED ON FOR PCBs
 - BLUE SHADED LOCATIONS HAD SAMPLE ANALYZED FOR TAL INORGANICS, PCBs, AND PESTICIDES. NO COMMERCIAL USE SCO EXCEEDANCES WERE OBSERVED AT THESE LOCATION FOR THESE CONSTITUENTS.

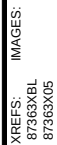


SITE #C734138: BMS SYRACUSE
NORTH CAMPUS RESTORATION AREA
EAST SYRACUSE, NY

**PHASE 1 RESULTS:
CONCENTRATIONS IN SOIL EXCEEDING
COMMERCIAL USE SCO CRITERIA**

ARCADIS

FIGURE
9





Appendix A

Analytical Summary Tables

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		B55-1		B55-2		B55-3		B55-4		B55-5		B55-6					
							Sample Date		Sample ID		Depth Interval		10/2/2013 8:45		10/2/2013 16:00		10/1/2013 16:00		10/1/2013 15:00		10/2/2013 15:00		10/1/2013 13:45	
													TMW-B551 (5-6)(100213)		TMW-B552 (10.6-11)(100213)		SB-B553 (8.7-10)(100113)		SB-B554 (8.6-10.5)(100113)		SB-555 (4-8)(100213)		SB-B556 (5.6-6.6)(100113)	
							Sample ID		Depth Interval		5 - 6 ft		10.6 - 11 ft		8.7 - 10 ft		8.6 - 10.5 ft		4 - 8 ft		5.6 - 6.6 ft			
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual						
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	††	500	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	††	0.6	††	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	mg/kg	††	6	††	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	1,1,2-Trichloroethane	79-00-5	mg/kg	††	††	††	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	1,1-Dichloroethane	75-34-3	mg/kg	0.27	††	240	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	1,1-Dichloroethene	75-35-4	mg/kg	0.33	††	500	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	1,2,3-Trichlorobenzene	87-61-6	mg/kg	††	††	††	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	1,2,4-Trichlorobenzene	120-82-1	mg/kg	††	3.4	††	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	1,2,4-Trimethylbenzene	95-63-6	mg/kg	3.6	††	190	0.0043	U	10	D	0.19		0.045	U	0.0042	U	0.0048	U						
	1,2-Dibromo-3-Chloropropane	96-12-8	mg/kg	††	††	††	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	1,2-Dibromoethane	106-93-4	mg/kg	††	††	††	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	††	500	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	1,2-Dichloroethane	107-06-2	mg/kg	0.02	††	30	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	1,2-Dichloropropane	78-87-5	mg/kg	††	††	††	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	1,3,5-Trimethylbenzene	108-67-8	mg/kg	8.4	††	190	0.0043	U	2.1	D	0.04	J	0.045	U	0.0042	U	0.0048	U						
	1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	††	280	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	††	130	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	1,4-Dioxane	123-91-1	mg/kg	0.1	††	130	0.17	UJ	1.7	UJ	1.7	UJ	1.8	UJ	0.17	UJ	0.19	UJ						
	2-Butanone	78-93-3	mg/kg	0.12	0.3	500	0.022	U	0.22	U	0.22	U	0.22	U	0.021	U	0.024	U						
	2-Hexanone	591-78-6	mg/kg	††	††	††	0.022	U	0.22	U	0.22	U	0.22	U	0.021	U	0.024	U						
	2-Nitropropane	79-46-9	mg/kg	††	††	††	0.022	UJ	12	J	0.22	UJ	11	J	0.021	UJ	0.024	UJ						
	4-Methyl-2-pentanone	108-10-1	mg/kg	††	1	††	0.022	U	0.22	U	0.22	U	0.22	U	0.021	U	0.024	U						
	Acetone	67-64-1	mg/kg	0.05	††	500	0.022	U	0.22	U	0.22	U	0.22	U	0.016	J	0.024	U						
	Acetonitrile	75-05-8	mg/kg	††	††	††	0.17	U	1.7	U	1.7	U	1.8	U	0.17	U	0.19	U						
	Benzene	71-43-2	mg/kg	0.06	††	44	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	Bromochloromethane	74-97-5	mg/kg	††	††	††	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	Bromodichloromethane	75-27-4	mg/kg	††	††	††	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	Bromoform	75-25-2	mg/kg	††	††	††	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	Bromomethane	74-83-9	mg/kg	††	††	††	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	Carbon disulfide	75-15-0	mg/kg	††	2.7	††	0.0043	U	0.044	U	0.043	U	0.045	U	0.0026	J	0.0048	U						
	Carbon tetrachloride	56-23-5	mg/kg	0.76	††	22	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	Chlorobenzene	108-90-7	mg/kg	1.1	††	500	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	Chlorodifluoromethane	75-45-6	mg/kg	††	††	††	0.0043	UJ	0.044	UJ	0.043	UJ	0.045	UJ	0.0042	UJ	0.0048	UJ						
	Chloroethane	75-00-3	mg/kg	††	1.9	††	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	Chloroform	67-66-3	mg/kg	0.37	††	350	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	Chloromethane	74-87-3	mg/kg	††	††	††	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	cis-1,2-Dichloroethene	156-59-2	mg/kg	0.25	††	500	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	cis-1,3-Dichloropropene	10061-01-5	mg/kg	††	††	††	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	Cyclohexane	110-82-7	mg/kg	††	††	††	0.0043	U	4.4	D	0.16		0.045	U	0.0042	U	0.0048	U						
	Cyclohexanone	108-94-1	mg/kg	††	††	††	0.043	UJ	0.44	UJ		R		R	0.042	UJ	0.048	UJ						
	Dibromochloromethane	124-48-1	mg/kg	††	††	††	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	Dichlorodifluoromethane	75-71-8	mg/kg	††	††	††	0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U						
	Diethyl ether	60-29-7	mg/kg	††	††	††	0.022	UJ	0.22	UJ	0.22	UJ	0.22	UJ	0.021	UJ	0.024	UJ						
	Ethyl acetate	141-78-6	mg/kg	††	††	††	0.0043	UJ	0.044	UJ	0.043	UJ	0.045	UJ	0.0042	UJ	0.0048	UJ						
	Ethylbenzene	100-41-4	mg/kg	1	††	390	0.00051	J	0.64		0.091		0.045	U	0.0042	U	0.0048	U						

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Location Sample Date		B55-1		B55-2		B55-3		B55-4		B55-5		B55-6	
							Sample ID	Depth Interval	10/2/2013 8:45		10/2/2013 16:00		10/1/2013 16:00		10/1/2013 15:00		10/2/2013 15:00		10/1/2013 13:45	
									TMW-B551 (5-6)(100213)		TMW-B552 (10.6-11)(100213)		SB-B553 (8.7-10)(100113)		SB-B554 (8.6-10.5)(100113)		SB-555 (4-8)(100213)		SB-B556 (5.6-6.6)(100113)	
									5 - 6 ft		10.6 - 11 ft		8.7 - 10 ft		8.6 - 10.5 ft		4 - 8 ft		5.6 - 6.6 ft	
									Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Isobutanol	78-83-1	mg/kg	††	††	††			0.17	UJ	1.7	UJ	1.7	UJ	1.8	UJ	0.17	UJ	0.19	UJ
	Isopropylbenzene	98-82-8	mg/kg	††	2.3	††			0.0043	U	0.42		0.095		0.045	U	0.0042	U	0.0048	U
	m&p-Xylene	179601-23-1	mg/kg	††	††	††			0.0087	U	1.2		0.053	J	0.089	U	0.0085	U	0.0095	U
	Methyl acetate	79-20-9	mg/kg	††	††	††			0.0043	U	0.044	U	0.043	U	0.044	J	0.0042	U	0.0048	U
	Methyl tert-butyl ether	1634-04-4	mg/kg	0.93	††	500			0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U
	Methylcyclohexane	108-87-2	mg/kg	††	††	††			0.0043	U	4.7	D	0.17		0.71		0.0042	U	0.0048	U
	Methylene Chloride	75-09-2	mg/kg	0.05	††	500			0.0043	U	0.044	U	0.043	UB	0.045	UB	0.0042	U	0.0048	U
	Naphthalene	91-20-3	mg/kg	12	††	500			0.002	J	0.84	D	0.38		0.048		0.0042	U	0.0048	U
	n-Butanol	71-36-3	mg/kg	††	††	††			0.17	UJ	1.7	UJ	1.7	UJ	1.8	UJ	0.17	UJ	0.19	UJ
	n-Butylbenzene	104-51-8	mg/kg	12	††	500			0.0043	U	1.1	D	0.11		0.045	U	0.0042	U	0.0048	U
	n-Heptane	142-82-5	mg/kg	††	††	††			0.087	UJ	0.7	J	0.024	J	0.045	UJ	0.085	UJ	0.095	UJ
	n-Hexane	110-54-3	mg/kg	††	††	††			0.043	UJ	1.3	J	0.044	J	0.45	UJ	0.042	UJ	0.048	UJ
	o-Xylene	95-47-6	mg/kg	††	††	††			0.0043	U	0.2		0.028	J	0.045	U	0.0042	U	0.0048	U
	p-Isopropyltoluene	99-87-6	mg/kg	††	10	††			0.0043	U	0.13		0.043	U	0.045	U	0.0042	U	0.0048	U
	sec-Butylbenzene	135-98-8	mg/kg	11	††	500			0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U
	Styrene	100-42-5	mg/kg	††	††	††			0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U
	tert-Butanol	75-65-0	mg/kg	††	††	††			0.087	UJ	0.87	UJ	0.87	UJ	0.89	UJ	0.085	UJ	0.095	UJ
	tert-Butylbenzene	98-06-6	mg/kg	5.9	††	500			0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U
	Tetrachloroethene	127-18-4	mg/kg	1.3	††	150			0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U
	Tetrahydrofuran	109-99-9	mg/kg	††	††	††			0.022	U	0.22	U	0.22	U	0.22	U	0.021	U	0.024	U
	Toluene	108-88-3	mg/kg	0.7	††	500			0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U
	trans-1,2-Dichloroethene	156-60-5	mg/kg	0.19	††	500			0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U
	trans-1,3-Dichloropropene	10061-02-6	mg/kg	††	††	††			0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U
	Trichloroethene	79-01-6	mg/kg	0.47	††	200			0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U
	Trichlorofluoromethane	75-69-4	mg/kg	††	††	††			0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U
	Vinyl chloride	75-01-4	mg/kg	0.02	††	13			0.0043	U	0.044	U	0.043	U	0.045	U	0.0042	U	0.0048	U
	Xylenes (total)	1330-20-7	mg/kg	1.6	††	500			0.0087	U	1.4		0.081	J	0.089	U	0.0085	U	0.0095	U
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	mg/kg	††	††	††			3.9	U	1.9	U	0.031	J	0.98	U	0.98	U	0.21	U
	1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	††	††	††			3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.21	U
	2,2'-Oxybis(1-Chloropropane)	108-60-1	mg/kg	††	††	††			3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.21	U
	2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	††	††	††			3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.21	U
	2,4,5-Trichlorophenol	95-95-4	mg/kg	††	0.1	††			3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.21	U
	2,4,6-Trichlorophenol	88-06-2	mg/kg	††	††	††			3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.21	U
	2,4-Dichloropheno	120-83-2	mg/kg	††	0.4	††			3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.21	U
	2,4-Dimethylpheno	105-67-9	mg/kg	††	††	††			3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.21	U
	2,4-Dinitrophenol	51-28-5	mg/kg	††	0.2	††			7.5	UJ	3.7	UJ	0.36	UJ	1.9	UJ	1.9	UJ	0.41	UJ
	2,4-Dinitrotoluene	121-14-2	mg/kg	††	††	††			3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.21	U
	2,6-Dinitrotoluene	606-20-2	mg/kg	††	0.17	††			3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.21	U
	2-Chloronaphthalene	91-58-7	mg/kg	††	††	††			3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.21	U
	2-Chloropheno	95-57-8	mg/kg	††	††	††			3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.21	U
	2-Methylnaphthalene	91-57-6	mg/kg	††	36.4	††			0.096	J	1.9	U	0.22		0.98	U	0.98	U	0.21	U
	2-Methylpheno	95-48-7	mg/kg	0.33	††	500			3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.21	U
	2-Nitroaniline	88-74-4	mg/kg	††	0.4	††			7.5	U	3.7	U	0.36	U	1.9	U	1.9	U	0.41	U
	2-Nitrophenol	88-75-5	mg/kg	††	0.3	††			3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.21	U
	3 & 4 Methylpheno	MEPH3MEPH4	mg/kg	††	††	††			7.5	U	3.7	U	0.36	U	1.9	U	1.9	U	0.41	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Location		B55-1		B55-2		B55-3		B55-4		B55-5		B55-6	
							Sample Date		10/2/2013 8:45		10/2/2013 16:00		10/1/2013 16:00		10/1/2013 15:00		10/2/2013 15:00		10/1/2013 13:45	
							Sample ID		TMW-B551 (5-6)(100213)		TMW-B552 (10.6-11)(100213)		SB-B553 (8.7-10)(100113)		SB-B554 (8.6-10.5)(100113)		SB-555 (4-8)(100213)		SB-B556 (5.6-6.6)(100113)	
							Depth Interval		5 - 6 ft		10.6 - 11 ft		8.7 - 10 ft		8.6 - 10.5 ft		4 - 8 ft		5.6 - 6.6 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	3,3'-Dichlorobenzidine	91-94-1	mg/kg	††	††	††	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	3-Nitroaniline	99-09-2	mg/kg	††	0.5	††	7.5	U	3.7	U	0.36	U	1.9	U	1.9	U	1.9	U	0.41	U
	4,6-Dinitro-2-methylpheno	534-52-1	mg/kg	††	††	††	7.5	U	3.7	U	0.36	U	1.9	U	1.9	U	1.9	U	0.41	U
	4-Bromophenyl phenyl ether	101-55-3	mg/kg	††	††	††	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	4-Chloro-3-methylpheno	59-50-7	mg/kg	††	††	††	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	4-Chloroaniline	106-47-8	mg/kg	††	0.22	††	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	4-Chlorophenyl phenyl ethe	7005-72-3	mg/kg	††	††	††	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	4-Methylpheno	106-44-5	mg/kg	0.33	††	500	7.5	U	3.7	U	0.36	U	1.9	U	1.9	U	1.9	U	0.41	U
	4-Nitroaniline	100-01-6	mg/kg	††	††	††	7.5	U	3.7	U	0.36	U	1.9	U	1.9	U	1.9	U	0.41	U
	4-Nitrophenol	100-02-7	mg/kg	††	0.1	††	7.5	U	3.7	U	0.36	U	1.9	U	1.9	U	1.9	U	0.41	U
	Acenaphthene	83-32-9	mg/kg	98	††	500	12		1.9	U	0.03	J	0.98	U	0.98	U	0.98	U	0.21	U
	Acenaphthylene	208-96-8	mg/kg	107	††	500	1.3	J	1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	Acetophenone	98-86-2	mg/kg	††	††	††	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	Aniline	62-53-3	mg/kg	††	0.33	††	7.5	U	3.7	U	0.36	U	1.9	U	1.9	U	1.9	U	0.41	U
	Anthracene	120-12-7	mg/kg	1,000	††	500	13		1.9	U	0.028	J	0.98	U	0.98	U	0.98	U	0.21	U
	Atrazine	1912-24-9	mg/kg	††	††	††	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	Benzaldehyde	100-52-7	mg/kg	††	††	††	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	Benzo(a)anthracene	56-55-3	mg/kg	1	††	5.6	13		1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	Benzo(a)pyrene	50-32-8	mg/kg	22	††	1	9.3		1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	Benzo(b)fluoranthene	205-99-2	mg/kg	1.7	††	5.6	8		1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	Benzo(g,h,i)perylene	191-24-2	mg/kg	1,000	††	500	4.1		1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	Benzo(k)fluoranthene	207-08-9	mg/kg	1.7	††	56	3.8		1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	Benzyl alcohol	100-51-6	mg/kg	††	††	††	7.5	U	3.7	U	0.36	U	1.9	U	1.9	U	1.9	U	0.41	U
	Bis(2-chloroethoxy)methane	111-91-1	mg/kg	††	††	††	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	Bis(2-chloroethyl)ether	111-44-4	mg/kg	††	††	††	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	Bis(2-ethylhexyl) phthalate	117-81-7	mg/kg	††	435	††	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	Butyl benzyl phthalate	85-68-7	mg/kg	††	122	††	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	Caprolactam	105-60-2	mg/kg	††	††	††	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	Carbazole	86-74-8	mg/kg	††	††	††	1	J	1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	Chrysene	218-01-9	mg/kg	1	††	56	13		1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	Dibenz(a,h)anthracene	53-70-3	mg/kg	1,000	††	0.56	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	Dibenzofuran	132-64-9	mg/kg	210	6.2	350	9.3		1.9	U	0.016	J	0.98	U	0.98	U	0.98	U	0.21	U
	Dicyclohexylamine	101-83-7	mg/kg	††	††	††	3.9	UJ	23	J	0.4	J	9.6	J	6	J	0.21	UJ		
	Diethyl phthalate	84-66-2	mg/kg	††	7.1	††	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	Dimethyl phthalate	131-11-3	mg/kg	††	27	††	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	Di-n-butyl phthalate	84-74-2	mg/kg	††	8.1	††	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	Di-n-octyl phthalate	117-84-0	mg/kg	††	120	††	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	Fluoranthene	206-44-0	mg/kg	1,000	††	500	33		1.9	U	0.056	J	0.98	U	0.98	U	0.98	U	0.21	U
	Fluorene	86-73-7	mg/kg	386	††	500	15		1.9	U	0.046	J	0.98	U	0.98	U	0.98	U	0.21	U
	Hexachlorobenzene	118-74-1	mg/kg	3.2	1.4	6	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	Hexachlorobutadiene	87-68-3	mg/kg	††	††	††	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	Hexachlorocyclopentadiene	77-47-4	mg/kg	††	††	††	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	Hexachloroethane	67-72-1	mg/kg	††	††	††	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	8.2	††	5.6	5.2		1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U
	Isophorone	78-59-1	mg/kg	††	4.4	††	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.98	U	0.21	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		B55-1		B55-2		B55-3		B55-4		B55-5		B55-6	
							Sample Date		10/2/2013 8:45		10/2/2013 16:00		10/1/2013 16:00		10/1/2013 15:00		10/2/2013 15:00		10/1/2013 13:45	
									Sample ID		TMW-B551 (5-6)(100213)		TMW-B552 (10.6-11)(100213)		SB-B553 (8.7-10)(100113)		SB-B554 (8.6-10.5)(100113)		SB-555 (4-8)(100213)	
							Depth Interval		5 - 6 ft		10.6 - 11 ft		8.7 - 10 ft		8.6 - 10.5 ft		4 - 8 ft		5.6 - 6.6 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
SVOCs Method SW8270C/D (Cont.)	n,n-Dimethylaniline	121-69-7	mg/kg	††	††	††	3.9	UJ	1.9	UJ	0.19	UJ	0.98	UJ	0.98	UJ	0.21	UJ		
	Naphthalene	91-20-3	mg/kg	12	††	500	0.15	J	1.9	U	0.2	U	0.98	U	0.98	U	0.21	U		
	Nitrobenzene	98-95-3	mg/kg	††	0.17	††	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.21	U		
	N-Nitroso-di-n-propylamine	621-64-7	mg/kg	††	††	††	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.21	U		
	N-Nitrosodiphenylamine	86-30-6	mg/kg	††	††	††	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.21	U		
	Pentachloropheno	87-86-5	mg/kg	0.8	††	6.7	7.5	U	3.7	U	0.36	U	1.9	U	1.9	U	0.41	U		
	Phenanthrene	85-01-8	mg/kg	1,000	††	500	26	U	1.9	U	0.1	J	0.98	U	0.98	U	0.21	U		
	Phenol	108-95-2	mg/kg	0.33	††	500	3.9	U	1.9	U	0.19	U	0.98	U	0.98	U	0.21	U		
	Pyrene	129-00-0	mg/kg	1,000	††	500	31	U	1.9	U	0.049	J	0.98	U	0.98	U	0.21	U		
	Pyridine	110-86-1	mg/kg	††	††	††	7.5	U	3.7	U	0.36	U	1.9	U	1.9	U	0.41	U		
Triethylamine	121-44-8	mg/kg	††	††	††	7.5	UJ	3.7	UJ	0.36	UJ	1.9	UJ	1.9	UJ	0.41	UJ			
TPH Method SW8015B/D	Ethanol	64-17-5	mg/kg	††	††	††	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	12	UJ		
	Ethylene glyco	107-21-1	mg/kg	††	††	††	5.4	U	5.7	U	1.6	J	5.7	U	5.5	U	6.2	U		
	Isobutanol	78-83-1	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--		
	Isopropyl alcohol	67-63-0	mg/kg	††	††	††	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	12	UJ		
	Methanol	67-56-1	mg/kg	††	††	††	1.1	U	1.1	UB	0.54	J	0.58	J	1.1	U	4.6	J		
	Propylene glycol	57-55-6	mg/kg	††	††	††	5.4	U	5.7	U	1.3	J	1.3	J	5.5	U	6.2	U		

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		BCP-B20-001	BCP-B20-002	BCP-B20-003				BLD 1-1A		BLD 1-1A	
							Sample Date		9/24/2012 11:40	9/25/2012 8:15	9/25/2012 9:21	9/25/2012 0:00	8/27/2013 9:30		10/1/2013 8:30			
							Sample ID		BCP-B20-SB001 (4-6)	BCP-B20-SB002 (2-4)	BCP-B20-SB003 (2-4)	FD-09252012	SB-BLD11 (6-8)(082713)		TMW-BLD1-1a (14-16.7)(100113)			
							Depth Interval		4 - 6 ft	2 - 4 ft	2 - 4 ft	2 - 4 ft	6 - 8 ft		14 - 16.7 ft			
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	††	500	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	UJ
	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	††	0.6	††	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	UJ
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	mg/kg	††	6	††	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	UJ
	1,1,2-Trichloroethane	79-00-5	mg/kg	††	††	††	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	UJ
	1,1-Dichloroethane	75-34-3	mg/kg	0.27	††	240	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	UJ
	1,1-Dichloroethene	75-35-4	mg/kg	0.33	††	500	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	UJ
	1,2,3-Trichlorobenzene	87-61-6	mg/kg	††	††	††	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U
	1,2,4-Trichlorobenzene	120-82-1	mg/kg	††	3.4	††	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U
	1,2,4-Trimethylbenzene	95-63-6	mg/kg	3.6	††	190	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U
	1,2-Dibromo-3-Chloropropane	96-12-8	mg/kg	††	††	††	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U
	1,2-Dibromoethane	106-93-4	mg/kg	††	††	††	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	UJ
	1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	††	500	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U
	1,2-Dichloroethane	107-06-2	mg/kg	0.02	††	30	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U
	1,2-Dichloropropane	78-87-5	mg/kg	††	††	††	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U
	1,3,5-Trimethylbenzene	108-67-8	mg/kg	8.4	††	190	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U
	1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	††	280	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U
	1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	††	130	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U
	1,4-Dioxane	123-91-1	mg/kg	0.1	††	130		R		R		R		R	0.2	UJ	0.19	UJ
	2-Butanone	78-93-3	mg/kg	0.12	0.3	500	0.032	U	0.03	U	0.03	U	0.031	U	0.0028	J	0.023	UJ
	2-Hexanone	591-78-6	mg/kg	††	††	††	0.032	U	0.03	U	0.03	U	0.031	U	0.025	U	0.023	U
	2-Nitropropane	79-46-9	mg/kg	††	††	††	0.032	U	0.03	U	0.03	U	0.031	U	0.025	UJ	0.023	UJ
	4-Methyl-2-pentanone	108-10-1	mg/kg	††	1	††	0.032	U	0.03	U	0.03	U	0.031	U	0.025	U	0.023	U
	Acetone	67-64-1	mg/kg	0.05	††	500	0.032	U	0.03	U	0.03	U	0.031	U	0.026		0.0094	J
	Acetonitrile	75-05-8	mg/kg	††	††	††	0.25	UJ	0.24	UJ	0.24	UJ	0.24	UJ	0.2	UJ	0.19	U
	Benzene	71-43-2	mg/kg	0.06	††	44	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	UJ
	Bromochloromethane	74-97-5	mg/kg	††	††	††	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	UJ
	Bromodichloromethane	75-27-4	mg/kg	††	††	††	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U
	Bromoform	75-25-2	mg/kg	††	††	††	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U
	Bromomethane	74-83-9	mg/kg	††	††	††	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U
	Carbon disulfide	75-15-0	mg/kg	††	2.7	††	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	UJ
	Carbon tetrachloride	56-23-5	mg/kg	0.76	††	22	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	UJ
	Chlorobenzene	108-90-7	mg/kg	1.1	††	500	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	UJ
	Chlorodifluoromethane	75-45-6	mg/kg	††	††	††	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	UJ	0.0047	UJ
	Chloroethane	75-00-3	mg/kg	††	1.9	††	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U
	Chloroform	67-66-3	mg/kg	0.37	††	350	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	UJ
	Chloromethane	74-87-3	mg/kg	††	††	††	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U
	cis-1,2-Dichloroethene	156-59-2	mg/kg	0.25	††	500	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	UJ
	cis-1,3-Dichloropropene	10061-01-5	mg/kg	††	††	††	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U
	Cyclohexane	110-82-7	mg/kg	††	††	††	0.0063	U	0.006	UJ	0.0061	U	0.0061	U	0.005	U	0.0047	UJ
	Cyclohexanone	108-94-1	mg/kg	††	††	††	0.063	U	0.06	U	0.061	U	0.061	U	0.05	UJ	0.047	UJ
	Dibromochloromethane	124-48-1	mg/kg	††	††	††	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U
	Dichlorodifluoromethane	75-71-8	mg/kg	††	††	††	0.0063	UJ	0.006	UJ	0.0061	UJ	0.0061	UJ	0.005	U	0.0047	U
	Diethyl ether	60-29-7	mg/kg	††	††	††	0.032	U	0.03	U	0.03	U	0.031	U	0.025	UJ	0.023	UJ
	Ethyl acetate	141-78-6	mg/kg	††	††	††	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	UJ	0.0047	UJ
	Ethylbenzene	100-41-4	mg/kg	1	††	390	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0046	J

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		BCP-B20-001		BCP-B20-002		BCP-B20-003				BLD 1-1A		BLD 1-1A			
							Sample Date		Sample ID		9/24/2012 11:40		9/25/2012 8:15		9/25/2012 9:21		9/25/2012 0:00		8/27/2013 9:30		10/1/2013 8:30	
											BCP-B20-SB001 (4-6)		BCP-B20-SB002 (2-4)		BCP-B20-SB003 (2-4)		FD-09252012		SB-BLD11 (6-8)(082713)		TMW-BLD1-1a (14-16.7)(100113)	
							Depth Interval		4 - 6 ft		2 - 4 ft		2 - 4 ft		2 - 4 ft		6 - 8 ft		14 - 16.7 ft			
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual				
VOCs Method SW8260B/C (Cont.)	Isobutanol	78-83-1	mg/kg	††	††	††	0.25	UJ	0.24	UJ	0.24	UJ	0.24	UJ	0.2	UJ	0.19	UJ				
	Isopropylbenzene	98-82-8	mg/kg	††	2.3	††	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U				
	m&p-Xylene	179601-23-1	mg/kg	††	††	††	0.013	U	0.012	U	0.012	U	0.012	U	0.01	U	0.0029	J				
	Methyl acetate	79-20-9	mg/kg	††	††	††	0.0063	U	0.006	U*	0.0061	U*	0.0061	U*	0.005	U	0.0047	UJ				
	Methyl tert-butyl ether	1634-04-4	mg/kg	0.93	††	500	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U				
	Methylcyclohexane	108-87-2	mg/kg	††	††	††	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	UJ				
	Methylene Chloride	75-09-2	mg/kg	0.05	††	500	0.0063	U	0.0029	J	0.0061	U	0.0061	U	0.005	U	0.0047	UJ				
	Naphthalene	91-20-3	mg/kg	12	††	500	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U				
	n-Butanol	71-36-3	mg/kg	††	††	††	0.25	UJ	0.24	UJ	0.24	UJ	0.24	UJ	0.2	UJ	0.19	UJ				
	n-Butylbenzene	104-51-8	mg/kg	12	††	500	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	UJ				
	n-Heptane	142-82-5	mg/kg	††	††	††	0.13	U	0.12	U	0.12	U	0.12	U	0.1	UJ	0.093	UJ				
	n-Hexane	110-54-3	mg/kg	††	††	††	0.063	U	0.06	U	0.061	U	0.061	U	0.05	UJ	0.047	UJ				
	o-Xylene	95-47-6	mg/kg	††	††	††	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0033	J				
	p-Isopropyltoluene	99-87-6	mg/kg	††	10	††	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	UJ				
	sec-Butylbenzene	135-98-8	mg/kg	11	††	500	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	UJ				
	Styrene	100-42-5	mg/kg	††	††	††	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U				
	tert-Butanol	75-65-0	mg/kg	††	††	††	0.13	UJ	0.12	UJ	0.12	UJ	0.12	UJ	0.1	UJ	0.093	UJ				
	tert-Butylbenzene	98-06-6	mg/kg	5.9	††	500	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U				
	Tetrachloroethene	127-18-4	mg/kg	1.3	††	150	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U				
	Tetrahydrofuran	109-99-9	mg/kg	††	††	††	0.032	U	0.03	U	0.03	U	0.031	U	0.025	U	0.023	U				
	Toluene	108-88-3	mg/kg	0.7	††	500	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U				
	trans-1,2-Dichloroethene	156-60-5	mg/kg	0.19	††	500	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	UJ				
	trans-1,3-Dichloropropene	10061-02-6	mg/kg	††	††	††	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U				
Trichloroethene	79-01-6	mg/kg	0.47	††	200	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U					
Trichlorofluoromethane	75-69-4	mg/kg	††	††	††	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U					
Vinyl chloride	75-01-4	mg/kg	0.02	††	13	0.0063	U	0.006	U	0.0061	U	0.0061	U	0.005	U	0.0047	U					
Xylenes (total)	1330-20-7	mg/kg	1.6	††	500	0.013	U	0.012	U	0.012	U	0.012	U	0.01	U	0.0062	J					
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	mg/kg	††	††	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U				
	1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	††	††	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U				
	2,2'-Oxybis(1-Chloropropane)	108-60-1	mg/kg	††	††	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U				
	2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	††	††	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U				
	2,4,5-Trichlorophenol	95-95-4	mg/kg	††	0.1	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U				
	2,4,6-Trichlorophenol	88-06-2	mg/kg	††	††	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U				
	2,4-Dichloropheno	120-83-2	mg/kg	††	0.4	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U				
	2,4-Dimethylpheno	105-67-9	mg/kg	††	††	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U				
	2,4-Dinitrophenol	51-28-5	mg/kg	††	0.2	††	0.43	UJ	0.41	UJ	0.42	UJ	0.43	UJ	7.1	UJ	0.36	UJ				
	2,4-Dinitrotoluene	121-14-2	mg/kg	††	††	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U				
	2,6-Dinitrotoluene	606-20-2	mg/kg	††	0.17	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U				
	2-Chloronaphthalene	91-58-7	mg/kg	††	††	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U				
	2-Chloropheno	95-57-8	mg/kg	††	††	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U				
	2-Methylnaphthalene	91-57-6	mg/kg	††	36.4	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U				
	2-Methylpheno	95-48-7	mg/kg	0.33	††	500	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U				
	2-Nitroaniline	88-74-4	mg/kg	††	0.4	††	0.43	U	0.41	U	0.42	U	0.43	U	7.1	U	0.36	U				
	2-Nitrophenol	88-75-5	mg/kg	††	0.3	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U				
	3 & 4 Methylpheno	MEPH3MEPH4	mg/kg	††	††	††	0.43	U	0.41	U	0.42	U	0.43	U	7.1	U	0.36	U				

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		BCP-B20-001	BCP-B20-002	BCP-B20-003				BLD 1-1A		BLD 1-1A	
							Sample Date		9/24/2012 11:40	9/25/2012 8:15	9/25/2012 9:21	9/25/2012 0:00	8/27/2013 9:30		10/1/2013 8:30			
							Sample ID		BCP-B20-SB001 (4-6)	BCP-B20-SB002 (2-4)	BCP-B20-SB003 (2-4)	FD-09252012	SB-BLD11 (6-8)(082713)		TMW-BLD1-1a (14-16.7)(100113)			
							Depth Interval		4 - 6 ft	2 - 4 ft	2 - 4 ft	2 - 4 ft	6 - 8 ft		14 - 16.7 ft			
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	3,3'-Dichlorobenzidine	91-94-1	mg/kg	††	††	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	3-Nitroaniline	99-09-2	mg/kg	††	0.5	††	0.43	U	0.41	U	0.42	U	0.43	U	7.1	U	0.36	U
	4,6-Dinitro-2-methylpheno	534-52-1	mg/kg	††	††	††	0.43	U	0.41	U	0.42	U	0.43	U	7.1	U	0.36	U
	4-Bromophenyl phenyl ethe	101-55-3	mg/kg	††	††	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	4-Chloro-3-methylpheno	59-50-7	mg/kg	††	††	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	4-Chloroaniline	106-47-8	mg/kg	††	0.22	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	4-Chlorophenyl phenyl ethe	7005-72-3	mg/kg	††	††	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	4-Methylpheno	106-44-5	mg/kg	0.33	††	500	--	--	--	--	--	--	--	--	7.1	U	0.36	U
	4-Nitroaniline	100-01-6	mg/kg	††	††	††	0.43	U	0.41	U	0.42	U	0.43	U	7.1	U	0.36	U
	4-Nitrophenol	100-02-7	mg/kg	††	0.1	††	0.43	U	0.41	U	0.42	U	0.43	U	7.1	U	0.36	U
	Acenaphthene	83-32-9	mg/kg	98	††	500	0.22	U	0.21	U	0.21	U	0.22	U	0.14	J	0.18	U
	Acenaphthylene	208-96-8	mg/kg	107	††	500	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	Acetophenone	98-86-2	mg/kg	††	††	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	Aniline	62-53-3	mg/kg	††	0.33	††	0.43	U	0.41	U	0.42	U	0.43	U	7.1	U	0.36	U
	Anthracene	120-12-7	mg/kg	1,000	††	500	0.22	U	0.21	U	0.21	U	0.22	U	0.31	J	0.18	U
	Atrazine	1912-24-9	mg/kg	††	††	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	Benzaldehyde	100-52-7	mg/kg	††	††	††	0.22	U	0.21	U	0.21	U	0.22	U	--	R	0.18	U
	Benzo(a)anthracene	56-55-3	mg/kg	1	††	5.6	0.22	U	0.21	U	0.21	U	0.22	U	0.73	J	0.18	U
	Benzo(a)pyrene	50-32-8	mg/kg	22	††	1	0.22	U	0.21	U	0.21	U	0.22	U	0.58	J	0.18	U
	Benzo(b)fluoranthene	205-99-2	mg/kg	1.7	††	5.6	0.22	U	0.21	U	0.21	U	0.014	J	0.78	J	0.18	U
	Benzo(g,h,i)perylene	191-24-2	mg/kg	1,000	††	500	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	Benzo(k)fluoranthene	207-08-9	mg/kg	1.7	††	56	0.22	U	0.21	U	0.21	U	0.22	U	0.43	J	0.18	U
	Benzyl alcoho	100-51-6	mg/kg	††	††	††	0.43	U	0.41	U	0.42	U	0.43	U	5	J	0.36	U
	Bis(2-chloroethoxy)methane	111-91-1	mg/kg	††	††	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	Bis(2-chloroethyl)ether	111-44-4	mg/kg	††	††	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	Bis(2-ethylhexyl) phthalate	117-81-7	mg/kg	††	435	††	0.22	U	0.21	U	0.21	U	0.086	J	3.6	U	0.29	--
	Butyl benzyl phthalate	85-68-7	mg/kg	††	122	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	Caprolactam	105-60-2	mg/kg	††	††	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	Carbazole	86-74-8	mg/kg	††	††	††	0.22	U	0.21	U	0.21	U	0.22	U	0.12	J	0.18	U
	Chrysene	218-01-9	mg/kg	1	††	56	0.22	U	0.21	U	0.21	U	0.013	J	0.56	J	0.18	U
	Dibenz(a,h)anthracene	53-70-3	mg/kg	1,000	††	0.56	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	Dibenzofuran	132-64-9	mg/kg	210	6.2	350	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	Dicyclohexylamine	101-83-7	mg/kg	††	††	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	UJ	0.18	UJ
	Diethyl phthalate	84-66-2	mg/kg	††	7.1	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	Dimethyl phthalate	131-11-3	mg/kg	††	27	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	Di-n-butyl phthalate	84-74-2	mg/kg	††	8.1	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	Di-n-octyl phthalate	117-84-0	mg/kg	††	120	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	Fluoranthene	206-44-0	mg/kg	1,000	††	500	0.22	U	0.21	U	0.21	U	0.22	U	1.3	J	0.18	U
	Fluorene	86-73-7	mg/kg	386	††	500	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	Hexachlorobenzene	118-74-1	mg/kg	3.2	1.4	6	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	Hexachlorobutadiene	87-68-3	mg/kg	††	††	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	Hexachlorocyclopentadiene	77-47-4	mg/kg	††	††	††	0.22	U	0.21	U	0.21	U	0.22	U	--	R	0.18	UJ
	Hexachloroethane	67-72-1	mg/kg	††	††	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	8.2	††	5.6	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	Isophorone	78-59-1	mg/kg	††	4.4	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		BCP-B20-001	BCP-B20-002	BCP-B20-003				BLD 1-1A		BLD 1-1A	
							Sample Date		9/24/2012 11:40	9/25/2012 8:15	9/25/2012 9:21	9/25/2012 0:00	8/27/2013 9:30		10/1/2013 8:30			
							Sample ID		BCP-B20-SB001 (4-6)	BCP-B20-SB002 (2-4)	BCP-B20-SB003 (2-4)	FD-09252012	SB-BLD11 (6-8)(082713)		TMW-BLD1-1a (14-16.7)(100113)			
							Depth Interval		4 - 6 ft	2 - 4 ft	2 - 4 ft	2 - 4 ft	6 - 8 ft		14 - 16.7 ft			
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	n,n-Dimethylaniline	121-69-7	mg/kg	††	††	††	--	--	--	--	--	--	--	--	3.6	UJ	0.18	UJ
	Naphthalene	91-20-3	mg/kg	12	††	500	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	Nitrobenzene	98-95-3	mg/kg	††	0.17	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	N-Nitroso-di-n-propylamine	621-64-7	mg/kg	††	††	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	N-Nitrosodiphenylamine	86-30-6	mg/kg	††	††	††	0.22	U	0.21	U	0.21	U	0.22	U	3.6	U	0.18	U
	Pentachloropheno	87-86-5	mg/kg	0.8	††	6.7	0.43	U	0.41	U	0.42	U	0.43	U	7.1	U	0.36	U
	Phenanthrene	85-01-8	mg/kg	1,000	††	500	0.22	U	0.21	U	0.21	U	0.22	U	1.1	J	0.18	U
	Phenol	108-95-2	mg/kg	0.33	††	500	0.22	U	0.21	U	0.21	U	0.22	U	0.49	J	0.18	U
	Pyrene	129-00-0	mg/kg	1,000	††	500	0.22	U	0.21	U	0.21	U	0.22	U	1.2	J	0.18	U
	Pyridine	110-86-1	mg/kg	††	††	††	0.43	U	0.41	U	0.42	U	0.43	U	7.1	U	0.36	U
TPH Method SW8015B/D	Triethylamine	121-44-8	mg/kg	††	††	††	--	--	--	--	--	--	--	--	7.1	UJ	0.36	UJ
	Ethanol	64-17-5	mg/kg	††	††	††	1.3	U	1.2	U	1.2	U	1.2	U	1	U	1.1	U
	Ethylene glyco	107-21-1	mg/kg	††	††	††	6.6	U	6.2	U	6.3	U	6.5	U	5.3		5.3	U
	Isobutanol	78-83-1	mg/kg	††	††	††	--	--	1.2	U	1.2	U	1.2	U	--	--	--	--
	Isopropyl alcohol	67-63-0	mg/kg	††	††	††	1.3	U	--	--	--	--	--	--	1	U	1.1	U
	Methanol	67-56-1	mg/kg	††	††	††	0.5	J	1.2	U	1.2	U	1.2	U	0.62	J	0.71	J
	Propylene glycol	57-55-6	mg/kg	††	††	††	6.6	U	6.2	U	6.3	U	6.5	U	5.2	U	5.3	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		BLD 1-2		BLD 1-3		BLD 1-4A		BLD 4A-1		BLD 4B-1		BLD 5-1	
							Sample Date		8/26/2013 13:00		8/16/2013 11:30		8/23/2013 16:00		8/19/2013 14:00		8/20/2013 11:00		8/15/2013 10:55	
							Sample ID		TMW-BLD12 (10-14)(082613)		TMW-BLD13 (5-7)(081613)		TMW-BLD14A (10.3-14)(082313)		TMW-BLD 4A1 (8-10)(081913)		TMW-BLD4B1 (6-8)(082013)		TMW-BLD 5-1 (18-20)(081513)	
							Depth Interval		10 - 14 ft		5 - 7 ft		10.3 - 14 ft		8 - 10 ft		6 - 8 ft		18 - 20 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	††	500	0.0047	UJ	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	††	0.6	††	0.0047	UJ	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	mg/kg	††	6	††	0.0041	J	0.097		2.8	D	0.0034	U	0.004	U	0.0039	U		
	1,1,2-Trichloroethane	79-00-5	mg/kg	††	††	††	0.0047	U	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	1,1-Dichloroethane	75-34-3	mg/kg	0.27	††	240	0.0047	UJ	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	1,1-Dichloroethene	75-35-4	mg/kg	0.33	††	500	0.0047	U	0.00093	J	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	1,2,3-Trichlorobenzene	87-61-6	mg/kg	††	††	††	0.0047	U	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	1,2,4-Trichlorobenzene	120-82-1	mg/kg	††	3.4	††	0.0047	U	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	1,2,4-Trimethylbenzene	95-63-6	mg/kg	3.6	††	190	0.0047	U	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	1,2-Dibromo-3-Chloropropane	96-12-8	mg/kg	††	††	††	0.0047	UJ	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	1,2-Dibromoethane	106-93-4	mg/kg	††	††	††	0.0047	U	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	††	500	0.0047	U	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	1,2-Dichloroethane	107-06-2	mg/kg	0.02	††	30	0.0047	U	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	1,2-Dichloropropane	78-87-5	mg/kg	††	††	††	0.0047	U	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	1,3,5-Trimethylbenzene	108-67-8	mg/kg	8.4	††	190	0.0047	UJ	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	††	280	0.0047	U	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	††	130	0.0047	U	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	1,4-Dioxane	123-91-1	mg/kg	0.1	††	130	0.19	UJ	0.25	UJ	0.18	UJ	0.14	UJ	0.16	UJ	0.16	UJ		
	2-Butanone	78-93-3	mg/kg	0.12	0.3	500	0.023	UJ	0.031	U	0.023	U	0.0039	J	0.0035	J	0.0027	J		
	2-Hexanone	591-78-6	mg/kg	††	††	††	0.023	U	0.031	U	0.023	U	0.017	U	0.02	U	0.02	U		
	2-Nitropropane	79-46-9	mg/kg	††	††	††	0.023	UJ	0.031	UJ	0.023	UJ	0.017	UJ	0.02	UJ	0.02	UJ		
	4-Methyl-2-pentanone	108-10-1	mg/kg	††	1	††	0.023	U	0.013	J	0.023	U	0.098		0.0082	J	0.02	U		
	Acetone	67-64-1	mg/kg	0.05	††	500	0.013	J	0.031	UB	0.023	U	0.47	J	0.059	J	0.058			
	Acetonitrile	75-05-8	mg/kg	††	††	††	0.19	UJ	0.25	UJ	0.18	UJ	0.14	UJ	0.16	UJ	0.16	UJ		
	Benzene	71-43-2	mg/kg	0.06	††	44	0.0047	U	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	Bromochloromethane	74-97-5	mg/kg	††	††	††	0.0047	U	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	Bromodichloromethane	75-27-4	mg/kg	††	††	††	0.0047	U	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	Bromoform	75-25-2	mg/kg	††	††	††	0.0047	UJ	0.0063	U	0.0045	UJ	0.0034	U	0.004	U	0.0039	UJ		
	Bromomethane	74-83-9	mg/kg	††	††	††	0.0047	U	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	Carbon disulfide	75-15-0	mg/kg	††	2.7	††	0.0047	U	0.0063	U	0.0045	U	0.0026	J	0.004	U	0.0032	J		
	Carbon tetrachloride	56-23-5	mg/kg	0.76	††	22	0.0047	UJ	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	Chlorobenzene	108-90-7	mg/kg	1.1	††	500	0.0047	U	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	Chlorodifluoromethane	75-45-6	mg/kg	††	††	††	0.0047	UJ	0.0063	UJ	0.0045	UJ	0.0034	UJ	0.004	UJ	0.0039	UJ		
	Chloroethane	75-00-3	mg/kg	††	1.9	††	0.0047	U	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	Chloroform	67-66-3	mg/kg	0.37	††	350	0.0047	U	0.008		0.021		0.0034	U	0.004	U	0.0039	U		
	Chloromethane	74-87-3	mg/kg	††	††	††	0.0047	U	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	cis-1,2-Dichloroethene	156-59-2	mg/kg	0.25	††	500	0.0047	U	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0024	J		
	cis-1,3-Dichloropropene	10061-01-5	mg/kg	††	††	††	0.0047	U	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	Cyclohexane	110-82-7	mg/kg	††	††	††	0.0047	UJ	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	Cyclohexanone	108-94-1	mg/kg	††	††	††	0.047	UJ	0.063	UJ	0.045	UJ	0.034	UJ	0.04	UJ	0.039	UJ		
	Dibromochloromethane	124-48-1	mg/kg	††	††	††	0.0047	UJ	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	Dichlorodifluoromethane	75-71-8	mg/kg	††	††	††	0.0047	UJ	0.0063	U	0.0029	J	0.0034	U	0.004	U	0.0039	UJ		
	Diethyl ether	60-29-7	mg/kg	††	††	††	0.023	UJ	0.031	UJ	0.023	UJ	0.017	UJ	0.02	UJ	0.02	UJ		
	Ethyl acetate	141-78-6	mg/kg	††	††	††	0.0047	UJ	0.0063	UJ	0.0045	UJ	0.0034	UJ	0.004	UJ	0.0039	UJ		
	Ethylbenzene	100-41-4	mg/kg	1	††	390	0.0047	UJ	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		BLD 1-2		BLD 1-3		BLD 1-4A		BLD 4A-1		BLD 4B-1		BLD 5-1	
							Sample Date		8/26/2013 13:00		8/16/2013 11:30		8/23/2013 16:00		8/19/2013 14:00		8/20/2013 11:00		8/15/2013 10:55	
							Sample ID		TMW-BLD12 (10-14)(082613)		TMW-BLD13 (5-7)(081613)		TMW-BLD14A (10.3-14)(082313)		TMW-BLD 4A1 (8-10)(081913)		TMW-BLD4B1 (6-8)(082013)		TMW-BLD 5-1 (18-20)(081513)	
							Depth Interval		10 - 14 ft		5 - 7 ft		10.3 - 14 ft		8 - 10 ft		6 - 8 ft		18 - 20 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
VOCs Method SW8260B/C (Cont.)	Isobutanol	78-83-1	mg/kg	††	††	††	0.19	UJ	0.25	UJ	0.18	UJ	0.14	UJ	0.16	UJ	0.16	UJ		
	Isopropylbenzene	98-82-8	mg/kg	††	2.3	††	0.0047	UJ	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	m&p-Xylene	179601-23-1	mg/kg	††	††	††	0.0093	U	0.013	U	0.009	U	0.0068	U	0.00072	J	0.0079	U		
	Methyl acetate	79-20-9	mg/kg	††	††	††	0.0047	U	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0012	J		
	Methyl tert-butyl ether	1634-04-4	mg/kg	0.93	††	500	0.0047	U	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	Methylcyclohexane	108-87-2	mg/kg	††	††	††	0.0047	UJ	0.0063	U	0.0045	U	0.0042	--	0.004	U	0.001	J		
	Methylene Chloride	75-09-2	mg/kg	0.05	††	500	0.0047	U	0.016		0.0092		0.0034	U	0.004	U	0.0039	U		
	Naphthalene	91-20-3	mg/kg	12	††	500	0.0047	U	0.0063	U	0.0045	U	0.0014	J	0.023	--	0.0039	U		
	n-Butanol	71-36-3	mg/kg	††	††	††	0.19	UJ	0.25	UJ	0.18	UJ	0.16	J	0.16	UJ	0.16	UJ		
	n-Butylbenzene	104-51-8	mg/kg	12	††	500	0.0047	UJ	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	n-Heptane	142-82-5	mg/kg	††	††	††	0.093	UJ	0.13	UJ	0.09	UJ	0.0024	J	0.079	UJ	0.079	UJ		
	n-Hexane	110-54-3	mg/kg	††	††	††	0.047	UJ	0.063	UJ	0.045	UJ	0.034	UJ	0.04	UJ	0.039	UJ		
	o-Xylene	95-47-6	mg/kg	††	††	††	0.0047	U	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	p-Isopropyltoluene	99-87-6	mg/kg	††	10	††	0.0047	UJ	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	sec-Butylbenzene	135-98-8	mg/kg	11	††	500	0.0047	UJ	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	Styrene	100-42-5	mg/kg	††	††	††	0.0047	U	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	tert-Butanol	75-65-0	mg/kg	††	††	††	0.093	UJ	0.13	UJ	0.09	UJ	0.053	J	0.18	J	0.079	UJ		
	tert-Butylbenzene	98-06-6	mg/kg	5.9	††	500	0.0047	UJ	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	Tetrachloroethene	127-18-4	mg/kg	1.3	††	150	0.0047	UJ	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	Tetrahydrofuran	109-99-9	mg/kg	††	††	††	0.023	U	0.031	U	0.023	U	0.0037	J	0.02	U	0.0062	J		
	Toluene	108-88-3	mg/kg	0.7	††	500	0.0047	U	0.0063	U	0.0045	U	0.0034	UB	0.004	U	0.00038	J		
	trans-1,2-Dichloroethene	156-60-5	mg/kg	0.19	††	500	0.0047	UJ	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0021	J		
	trans-1,3-Dichloropropene	10061-02-6	mg/kg	††	††	††	0.0047	U	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
	Trichloroethene	79-01-6	mg/kg	0.47	††	200	0.0047	U	0.0022	J	0.036		0.0034	U	0.004	U	0.0039	U		
	Trichlorofluoromethane	75-69-4	mg/kg	††	††	††	0.0047	UJ	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0039	U		
Vinyl chloride	75-01-4	mg/kg	0.02	††	13	0.0047	UJ	0.0063	U	0.0045	U	0.0034	U	0.004	U	0.0021	J			
Xylenes (total)	1330-20-7	mg/kg	1.6	††	500	0.0093	UJ	0.013	U	0.009	U	0.0068	U	0.00072	J	0.0079	U			
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	mg/kg	††	††	††	0.19	U	0.19	U	0.2	U	0.023	J	0.18	U	0.18	U		
	1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	††	††	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U		
	2,2'-Oxybis(1-Chloropropane)	108-60-1	mg/kg	††	††	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U		
	2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	††	††	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U		
	2,4,5-Trichlorophenol	95-95-4	mg/kg	††	0.1	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U		
	2,4,6-Trichlorophenol	88-06-2	mg/kg	††	††	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U		
	2,4-Dichloropheno	120-83-2	mg/kg	††	0.4	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U		
	2,4-Dimethylpheno	105-67-9	mg/kg	††	††	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U		
	2,4-Dinitrophenol	51-28-5	mg/kg	††	0.2	††	0.36	UJ	0.37	U	0.38	U	0.34	U	0.36	U	0.35	U		
	2,4-Dinitrotoluene	121-14-2	mg/kg	††	††	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U		
	2,6-Dinitrotoluene	606-20-2	mg/kg	††	0.17	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U		
	2-Chloronaphthalene	91-58-7	mg/kg	††	††	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U		
	2-Chloropheno	95-57-8	mg/kg	††	††	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U		
	2-Methylnaphthalene	91-57-6	mg/kg	††	36.4	††	0.19	U	0.021	J	0.2	U	0.18	U	0.18	U	0.0097	J		
	2-Methylpheno	95-48-7	mg/kg	0.33	††	500	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.0074	J		
	2-Nitroaniline	88-74-4	mg/kg	††	0.4	††	0.36	U	0.37	U	0.38	U	0.34	U	0.36	U	0.35	U		
	2-Nitrophenol	88-75-5	mg/kg	††	0.3	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U		
	3 & 4 Methylpheno	MEPH3MEPH4	mg/kg	††	††	††	0.36	U	0.37	U	0.38	U	0.34	U	0.36	U	0.35	U		

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		BLD 1-2		BLD 1-3		BLD 1-4A		BLD 4A-1		BLD 4B-1		BLD 5-1	
							Sample Date		8/26/2013 13:00		8/16/2013 11:30		8/23/2013 16:00		8/19/2013 14:00		8/20/2013 11:00		8/15/2013 10:55	
							Sample ID		TMW-BLD12 (10-14)(082613)		TMW-BLD13 (5-7)(081613)		TMW-BLD14A (10.3-14)(082313)		TMW-BLD 4A1 (8-10)(081913)		TMW-BLD4B1 (6-8)(082013)		TMW-BLD 5-1 (18-20)(081513)	
							Depth Interval		10 - 14 ft		5 - 7 ft		10.3 - 14 ft		8 - 10 ft		6 - 8 ft		18 - 20 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	3,3'-Dichlorobenzidine	91-94-1	mg/kg	††	††	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	UJ
	3-Nitroaniline	99-09-2	mg/kg	††	0.5	††	0.36	U	0.37	U	0.38	U	0.34	U	0.36	U	0.35	U	0.35	UJ
	4,6-Dinitro-2-methylpheno	534-52-1	mg/kg	††	††	††	0.36	U	0.37	U	0.38	U	0.34	U	0.36	U	0.35	U	0.35	U
	4-Bromophenyl phenyl ethe	101-55-3	mg/kg	††	††	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
	4-Chloro-3-methylpheno	59-50-7	mg/kg	††	††	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
	4-Chloroaniline	106-47-8	mg/kg	††	0.22	††	0.19	UJ	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	UJ
	4-Chlorophenyl phenyl ethe	7005-72-3	mg/kg	††	††	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
	4-Methylpheno	106-44-5	mg/kg	0.33	††	500	0.36	U	0.37	U	0.38	U	0.34	U	0.36	U	0.35	U	0.35	U
	4-Nitroaniline	100-01-6	mg/kg	††	††	††	0.36	UJ	0.37	U	0.38	U	0.34	U	0.36	U	0.35	UJ	0.35	UJ
	4-Nitrophenol	100-02-7	mg/kg	††	0.1	††	0.36	U	0.37	U	0.38	U	0.34	U	0.36	U	0.35	U	0.35	U
	Acenaphthene	83-32-9	mg/kg	98	††	500	0.19	U	0.02	J	0.2	U	0.18	U	0.18	U	0.077	J	0.18	J
	Acenaphthylene	208-96-8	mg/kg	107	††	500	0.19	U	0.033	J	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
	Acetophenone	98-86-2	mg/kg	††	††	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
	Aniline	62-53-3	mg/kg	††	0.33	††	0.36	U	0.37	U	0.38	U	0.34	U	0.36	U	0.35	U	0.35	U
	Anthracene	120-12-7	mg/kg	1,000	††	500	0.19	U	0.1	J	0.2	U	0.18	U	0.18	U	0.044	J	0.18	J
	Atrazine	1912-24-9	mg/kg	††	††	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
	Benzaldehyde	100-52-7	mg/kg	††	††	††	0.19	UJ	--	R	--	R	0.18	U	--	R	0.18	U	--	R
	Benzo(a)anthracene	56-55-3	mg/kg	1	††	5.6	0.19	U	0.27	--	0.2	U	0.18	U	0.18	U	0.048	J	0.18	J
	Benzo(a)pyrene	50-32-8	mg/kg	22	††	1	0.19	UJ	0.24	--	0.2	U	0.18	U	0.18	U	0.03	J	0.18	J
	Benzo(b)fluoranthene	205-99-2	mg/kg	1.7	††	5.6	0.19	UJ	0.33	--	0.2	U	0.18	U	0.18	U	0.047	J	0.18	J
	Benzo(g,h,i)perylene	191-24-2	mg/kg	1,000	††	500	0.19	UJ	0.14	J	0.2	U	0.18	U	0.18	U	0.075	J	0.18	J
	Benzo(k)fluoranthene	207-08-9	mg/kg	1.7	††	56	0.19	UJ	0.14	J	0.2	U	0.18	U	0.18	U	0.019	J	0.18	J
	Benzyl alcoh	100-51-6	mg/kg	††	††	††	0.36	U	0.37	U	0.38	U	0.34	U	0.36	U	0.35	U	0.35	U
	Bis(2-chloroethoxy)methane	111-91-1	mg/kg	††	††	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
	Bis(2-chloroethyl)ether	111-44-4	mg/kg	††	††	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
	Bis(2-ethylhexyl) phthalate	117-81-7	mg/kg	††	435	††	0.19	--	0.12	J	0.51	--	0.22	--	0.25	--	0.42	--	0.22	--
	Butyl benzyl phthalate	85-68-7	mg/kg	††	122	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
	Caprolactam	105-60-2	mg/kg	††	††	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
	Carbazole	86-74-8	mg/kg	††	††	††	0.19	U	0.034	J	0.2	U	0.18	U	0.18	U	0.014	J	0.18	J
	Chrysene	218-01-9	mg/kg	1	††	56	0.19	U	0.31	--	0.2	U	0.18	U	0.18	U	0.045	J	0.18	J
	Dibenz(a,h)anthracene	53-70-3	mg/kg	1,000	††	0.56	0.19	UJ	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
	Dibenzofuran	132-64-9	mg/kg	210	6.2	350	0.19	U	0.0081	J	0.2	U	0.18	U	0.18	U	0.03	J	0.18	J
	Dicyclohexylamine	101-83-7	mg/kg	††	††	††	0.19	UJ	0.19	UJ	0.2	UJ	0.18	UJ	2.3	J	0.18	UJ	0.18	UJ
	Diethyl phthalate	84-66-2	mg/kg	††	7.1	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
	Dimethyl phthalate	131-11-3	mg/kg	††	27	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
	Di-n-butyl phthalate	84-74-2	mg/kg	††	8.1	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
	Di-n-octyl phthalate	117-84-0	mg/kg	††	120	††	0.19	UJ	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
	Fluoranthene	206-44-0	mg/kg	1,000	††	500	0.0076	J	0.58	--	0.011	J	0.013	J	0.0047	J	0.1	J	0.013	J
	Fluorene	86-73-7	mg/kg	386	††	500	0.19	U	0.039	J	0.2	U	0.18	U	0.18	U	0.016	J	0.18	J
	Hexachlorobenzene	118-74-1	mg/kg	3.2	1.4	6	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Hexachlorobutadiene	87-68-3	mg/kg	††	††	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	
Hexachlorocyclopentadiene	77-47-4	mg/kg	††	††	††	0.19	UJ	0.19	U	0.2	U	0.18	UJ	0.18	U	0.18	U	0.18	U	
Hexachloroethane	67-72-1	mg/kg	††	††	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	8.2	††	5.6	0.19	UJ	0.11	J	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	
Isophorone	78-59-1	mg/kg	††	4.4	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		BLD 1-2		BLD 1-3		BLD 1-4A		BLD 4A-1		BLD 4B-1		BLD 5-1	
							Sample Date		8/26/2013 13:00		8/16/2013 11:30		8/23/2013 16:00		8/19/2013 14:00		8/20/2013 11:00		8/15/2013 10:55	
							Sample ID		TMW-BLD12 (10-14)(082613)		TMW-BLD13 (5-7)(081613)		TMW-BLD14A (10.3-14)(082313)		TMW-BLD 4A1 (8-10)(081913)		TMW-BLD4B1 (6-8)(082013)		TMW-BLD 5-1 (18-20)(081513)	
							Depth Interval		10 - 14 ft		5 - 7 ft		10.3 - 14 ft		8 - 10 ft		6 - 8 ft		18 - 20 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	n,n-Dimethylaniline	121-69-7	mg/kg	††	††	††	0.19	UJ	0.19	UJ	0.2	UJ	0.18	UJ	0.18	UJ	0.18	UJ	0.18	UJ
	Naphthalene	91-20-3	mg/kg	12	††	500	0.19	U	0.19	U	0.2	U	0.0096	J	0.0061	J	0.034	J		
	Nitrobenzene	98-95-3	mg/kg	††	0.17	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
	N-Nitroso-di-n-propylamine	621-64-7	mg/kg	††	††	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
	N-Nitrosodiphenylamine	86-30-6	mg/kg	††	††	††	0.19	U	0.19	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
	Pentachloropheno	87-86-5	mg/kg	0.8	††	6.7	0.36	U	0.37	U	0.38	U	0.34	U	0.36	U	0.35	U	0.35	U
	Phenanthrene	85-01-8	mg/kg	1,000	††	500	0.019	J	0.38		0.012	J	0.016	J	0.0076	J	0.094	J		
	Phenol	108-95-2	mg/kg	0.33	††	500	0.19	U	0.061	J	0.2	U	0.27	--	0.18	U	0.18	U	0.18	U
	Pyrene	129-00-0	mg/kg	1,000	††	500	0.19	U	0.52		0.009	J	0.012	J	0.18	U	0.081	J		
	Pyridine	110-86-1	mg/kg	††	††	††	0.36	U	0.37	U	0.38	U	0.34	U	0.36	U	0.35	U	0.35	U
	Triethylamine	121-44-8	mg/kg	††	††	††	0.36	UJ	0.37	UJ	0.38	UJ	0.34	UJ	3.3	J	0.35	UJ		
TPH Method SW8015B/D	Ethanol	64-17-5	mg/kg	††	††	††	1	U	1.1	U	1.1	U	9.5	U	1	U	1	U	1	U
	Ethylene glyco	107-21-1	mg/kg	††	††	††	5.5	U	5.6	U	5.7	U	5.1	U	5.2	U	5.3	U		
	Isobutanol	78-83-1	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--		
	Isopropyl alcohol	67-63-0	mg/kg	††	††	††	1	U	1.1	U	1.1	U	9.5	U	1	U	1	U	1	U
	Methanol	67-56-1	mg/kg	††	††	††	1	UJ	13		1.1	U	9.5	U	1	UJ	1.3	UB		
	Propylene glycol	57-55-6	mg/kg	††	††	††	5.5	U	5.6	U	5.7	U	5.1	U	5.2	U	5.3	U		

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Location		BLD 5A-1		BLD 8-1		BLD 8-2		BLD 8A-1(1)		BLD 8B-1(1)		BLD 8C-1	
							Sample Date		8/12/2013 10:45		8/13/2013 9:45		8/12/2013 16:15		8/12/2013 14:00		8/9/2013 9:30		8/9/2013 13:45	
							Sample ID		TMW-BLD5A-1 (6-7)(081213)		TMW-BLD8-1 (6-7)(081313)		TMW-BLD8-2 (8-9)(081213)		TMW-BLD8A-1 (14-15)(081213)		TMW-BLD8B1 (8.4-10)(080913)		TMW-BLD8C1 (8-10)(080913)	
							Depth Interval		6 - 7 ft		6 - 7 ft		8 - 9 ft		14 - 15 ft		8.4 - 10 ft		8 - 10 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	††	500	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	††	0.6	††	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	mg/kg	††	6	††	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	1,1,2-Trichloroethane	79-00-5	mg/kg	††	††	††	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	1,1-Dichloroethane	75-34-3	mg/kg	0.27	††	240	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	1,1-Dichloroethene	75-35-4	mg/kg	0.33	††	500	0.0018	J	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0009	J
	1,2,3-Trichlorobenzene	87-61-6	mg/kg	††	††	††	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	1,2,4-Trichlorobenzene	120-82-1	mg/kg	††	3.4	††	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	1,2,4-Trimethylbenzene	95-63-6	mg/kg	3.6	††	190	0.001	J	0.0016	J	0.0042	U	0.0042	U	0.0042	U	0.001	J	0.0014	J
	1,2-Dibromo-3-Chloropropane	96-12-8	mg/kg	††	††	††	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	1,2-Dibromoethane	106-93-4	mg/kg	††	††	††	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	††	500	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	1,2-Dichloroethane	107-06-2	mg/kg	0.02	††	30	0.00039	J	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	1,2-Dichloropropane	78-87-5	mg/kg	††	††	††	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	1,3,5-Trimethylbenzene	108-67-8	mg/kg	8.4	††	190	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	††	280	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	††	130	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	1,4-Dioxane	123-91-1	mg/kg	0.1	††	130	0.21	UJ	0.16	UJ	0.17	UJ	0.17	UJ	0.17	UJ	0.18	UJ	0.18	UJ
	2-Butanone	78-93-3	mg/kg	0.12	0.3	500	0.024	J	0.0058	J	0.021	U	0.021	U	0.021	U	0.0028	J	0.02	J
	2-Hexanone	591-78-6	mg/kg	††	††	††	0.027	U	0.02	U	0.021	U	0.021	U	0.021	U	0.023	U	0.023	U
	2-Nitropropane	79-46-9	mg/kg	††	††	††	0.027	UJ	0.02	UJ	0.021	UJ	0.021	UJ	0.021	UJ	0.023	UJ	0.023	UJ
	4-Methyl-2-pentanone	108-10-1	mg/kg	††	1	††	0.0055	J	0.02	U	0.021	U	0.021	U	0.021	U	0.0022	J	0.0055	J
	Acetone	67-64-1	mg/kg	0.05	††	500	0.24		0.04		0.021	U	0.021	U	0.021	U	0.025		0.099	--
	Acetonitrile	75-05-8	mg/kg	††	††	††	0.21	U	0.16	U	0.17	U	0.17	U	0.17	U	0.18	U	0.18	U
	Benzene	71-43-2	mg/kg	0.06	††	44	0.0012	J	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	Bromochloromethane	74-97-5	mg/kg	††	††	††	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	Bromodichloromethane	75-27-4	mg/kg	††	††	††	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	Bromoform	75-25-2	mg/kg	††	††	††	0.0053	U	0.0041	UJ	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	Bromomethane	74-83-9	mg/kg	††	††	††	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	Carbon disulfide	75-15-0	mg/kg	††	2.7	††	0.0041	J	0.016		0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0065	--
	Carbon tetrachloride	56-23-5	mg/kg	0.76	††	22	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	Chlorobenzene	108-90-7	mg/kg	1.1	††	500	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	Chlorodifluoromethane	75-45-6	mg/kg	††	††	††	0.0053	UJ	0.0041	UJ	0.0042	UJ	0.0042	UJ	0.0042	UJ	0.0046	UJ	0.0046	UJ
	Chloroethane	75-00-3	mg/kg	††	1.9	††	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	Chloroform	67-66-3	mg/kg	0.37	††	350	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	Chloromethane	74-87-3	mg/kg	††	††	††	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	cis-1,2-Dichloroethene	156-59-2	mg/kg	0.25	††	500	0.0053	U	0.0017	J	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	cis-1,3-Dichloropropene	10061-01-5	mg/kg	††	††	††	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	Cyclohexane	110-82-7	mg/kg	††	††	††	0.0012	J	0.00062	J	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	Cyclohexanone	108-94-1	mg/kg	††	††	††	0.053	UJ	0.041	UJ	0.042	UJ	0.042	UJ	0.042	UJ	0.046	UJ	0.046	UJ
	Dibromochloromethane	124-48-1	mg/kg	††	††	††	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	Dichlorodifluoromethane	75-71-8	mg/kg	††	††	††	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U
	Diethyl ether	60-29-7	mg/kg	††	††	††	0.027	UJ	0.02	UJ	0.021	UJ	0.021	UJ	0.021	UJ	0.023	UJ	0.023	UJ
	Ethyl acetate	141-78-6	mg/kg	††	††	††	0.0053	UJ	0.0041	UJ	0.0042	UJ	0.0042	UJ	0.0042	UJ	0.0046	UJ	0.0046	UJ
	Ethylbenzene	100-41-4	mg/kg	1	††	390	0.00093	J	0.00033	J	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0007	J

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Location		Sample Date		Sample ID		Depth Interval		BLD 5A-1		BLD 8-1		BLD 8-2		BLD 8A-1(1)		BLD 8B-1(1)		BLD 8C-1	
															8/12/2013 10:45		8/13/2013 9:45		8/12/2013 16:15		8/12/2013 14:00		8/9/2013 9:30		8/9/2013 13:45	
															TMW-BLD5A-1 (6-7)(081213)		TMW-BLD8-1 (6-7)(081313)		TMW-BLD8-2 (8-9)(081213)		TMW-BLD8A-1 (14-15)(081213)		TMW-BLD8B1 (8.4-10)(080913)		TMW-BLD8C1 (8-10)(080913)	
															6 - 7 ft		6 - 7 ft		8 - 9 ft		14 - 15 ft		8.4 - 10 ft		8 - 10 ft	
							Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Isobutanol	78-83-1	mg/kg	††	††	††	0.21	UJ	0.16	UJ	0.17	UJ	0.17	UJ	0.17	UJ	0.18	UJ	0.18	UJ	0.18	UJ	0.18	UJ	0.18	UJ
	Isopropylbenzene	98-82-8	mg/kg	††	2.3	††	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U
	m&p-Xylene	179601-23-1	mg/kg	††	††	††	0.0037	J	0.0011	J	0.0085	U	0.0085	U	0.0091	U	0.0091	U	0.0091	U	0.0091	U	0.0091	U	0.0091	U
	Methyl acetate	79-20-9	mg/kg	††	††	††	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U
	Methyl tert-butyl ether	1634-04-4	mg/kg	0.93	††	500	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U
	Methylcyclohexane	108-87-2	mg/kg	††	††	††	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U
	Methylene Chloride	75-09-2	mg/kg	0.05	††	500	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U
	Naphthalene	91-20-3	mg/kg	12	††	500	0.016		0.074		0.0042	U	0.0042	U	0.0042	U	0.031		0.0043	J	0.0043	J	0.0043	J	0.0043	J
	n-Butanol	71-36-3	mg/kg	††	††	††	0.21	UJ	0.16	UJ	0.17	UJ	0.17	UJ	0.17	UJ	0.18	UJ	0.18	UJ	0.18	UJ	0.18	UJ	0.18	UJ
	n-Butylbenzene	104-51-8	mg/kg	12	††	500	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U
	n-Heptane	142-82-5	mg/kg	††	††	††	0.11	UJ	0.081	UJ	0.085	UJ	0.085	UJ	0.091	UJ	0.091	UJ	0.091	UJ	0.091	UJ	0.091	UJ	0.091	UJ
	n-Hexane	110-54-3	mg/kg	††	††	††	0.053	UJ	0.041	UJ	0.042	UJ	0.042	UJ	0.046	UJ	0.046	UJ	0.046	UJ	0.046	UJ	0.046	UJ	0.046	UJ
	o-Xylene	95-47-6	mg/kg	††	††	††	0.0013	J	0.0041	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U
	p-Isopropyltoluene	99-87-6	mg/kg	††	10	††	0.0053	U	0.0053		0.0042	U	0.0042	U	0.0042	U	0.0018	J	0.0046	U	0.0046	U	0.0046	U	0.0046	U
	sec-Butylbenzene	135-98-8	mg/kg	11	††	500	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U
	Styrene	100-42-5	mg/kg	††	††	††	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U
	tert-Butanol	75-65-0	mg/kg	††	††	††	0.11	UJ	0.081	UJ	0.085	UJ	0.085	UJ	0.091	UJ	0.091	UJ	0.091	UJ	0.091	UJ	0.091	UJ	0.091	UJ
	tert-Butylbenzene	98-06-6	mg/kg	5.9	††	500	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U
	Tetrachloroethene	127-18-4	mg/kg	1.3	††	150	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U
	Tetrahydrofuran	109-99-9	mg/kg	††	††	††	0.027	U	0.02	U	0.021	U	0.021	U	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U
	Toluene	108-88-3	mg/kg	0.7	††	500	0.0022	J	0.00054	J	0.0042	U	0.0042	U	0.0042	U	0.0073	J	0.0073	J	0.0073	J	0.0073	J	0.0073	J
	trans-1,2-Dichloroethene	156-60-5	mg/kg	0.19	††	500	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U
	trans-1,3-Dichloropropene	10061-02-6	mg/kg	††	††	††	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U
	Trichloroethene	79-01-6	mg/kg	0.47	††	200	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U
	Trichlorofluoromethane	75-69-4	mg/kg	††	††	††	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U
	Vinyl chloride	75-01-4	mg/kg	0.02	††	13	0.0053	U	0.0041	U	0.0042	U	0.0042	U	0.0042	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U	0.0046	U
	Xylenes (total)	1330-20-7	mg/kg	1.6	††	500	0.005	J	0.0011	J	0.0085	U	0.0085	U	0.0091	U	0.0091	U	0.0091	U	0.0091	U	0.0091	U	0.0091	U
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	mg/kg	††	††	††	0.019	J	0.031	J	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
	1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	††	††	††	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
	2,2'-Oxybis(1-Chloropropane)	108-60-1	mg/kg	††	††	††	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
	2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	††	††	††	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
	2,4,5-Trichlorophenol	95-95-4	mg/kg	††	0.1	††	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
	2,4,6-Trichlorophenol	88-06-2	mg/kg	††	††	††	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
	2,4-Dichloropheno	120-83-2	mg/kg	††	0.4	††	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
	2,4-Dimethylpheno	105-67-9	mg/kg	††	††	††	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
	2,4-Dinitrophenol	51-28-5	mg/kg	††	0.2	††	0.35	U	0.38	UJ	0.35	U	0.35	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
	2,4-Dinitrotoluene	121-14-2	mg/kg	††	††	††	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
	2,6-Dinitrotoluene	606-20-2	mg/kg	††	0.17	††	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
	2-Chloronaphthalene	91-58-7	mg/kg	††	††	††	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.033	J	0.18	U	0.18	U	0.18	U	0.18	U
	2-Chloropheno	95-57-8	mg/kg	††	††	††	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
	2-Methylnaphthalene	91-57-6	mg/kg	††	36.4	††	0.07	J	0.079	J	0.18	U	0.18	U	0.0028	J	2.9		0.0028	J	2.9		0.017	J	0.017	J
	2-Methylpheno	95-48-7	mg/kg	0.33	††	500	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
	2-Nitroaniline	88-74-4	mg/kg	††	0.4	††	0.35	U	0.38	U	0.35	U	0.35	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
	2-Nitrophenol	88-75-5	mg/kg	††	0.3	††	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
	3 & 4 Methylpheno	MEPH3MEPH4	mg/kg	††	††	††	0.019	J	0.38	U	0.35	U	0.35	U	0.35	U	0.37	U	0.35	U	0.37	U	0.37	U	0.37	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date Sample ID Depth Interval							BLD 5A-1		BLD 8-1		BLD 8-2		BLD 8A-1(1)		BLD 8B-1(1)		BLD 8C-1	
							8/12/2013 10:45		8/13/2013 9:45		8/12/2013 16:15		8/12/2013 14:00		8/9/2013 9:30		8/9/2013 13:45	
							TMW-BLD5A-1 (6-7)(081213)		TMW-BLD8-1 (6-7)(081313)		TMW-BLD8-2 (8-9)(081213)		TMW-BLD8A-1 (14-15)(081213)		TMW-BLD8B1 (8.4-10)(080913)		TMW-BLD8C1 (8-10)(080913)	
							6 - 7 ft		6 - 7 ft		8 - 9 ft		14 - 15 ft		8.4 - 10 ft		8 - 10 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	3,3'-Dichlorobenzidine	91-94-1	mg/kg	††	††	††	0.18	U	0.2	UJ	0.18	U	0.18	U	0.19	U	0.21	U
	3-Nitroaniline	99-09-2	mg/kg	††	0.5	††	0.35	U	0.38	UJ	0.35	U	0.35	U	0.37	U	0.4	U
	4,6-Dinitro-2-methylpheno	534-52-1	mg/kg	††	††	††	0.35	U	0.38	U	0.35	U	0.35	U	0.37	U	0.4	U
	4-Bromophenyl phenyl ether	101-55-3	mg/kg	††	††	††	0.18	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
	4-Chloro-3-methylpheno	59-50-7	mg/kg	††	††	††	0.18	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
	4-Chloroaniline	106-47-8	mg/kg	††	0.22	††	0.18	U	0.2	UJ	0.18	U	0.18	U	0.19	U	0.21	U
	4-Chlorophenyl phenyl ethe	7005-72-3	mg/kg	††	††	††	0.18	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
	4-Methylpheno	106-44-5	mg/kg	0.33	††	500	0.019	J	0.38	U	0.35	U	0.35	U	0.37	U	0.042	J
	4-Nitroaniline	100-01-6	mg/kg	††	††	††	0.35	U	0.38	UJ	0.35	U	0.35	U	0.37	U	0.4	U
	4-Nitrophenol	100-02-7	mg/kg	††	0.1	††	0.35	U	0.38	U	0.35	U	0.35	U	0.37	U	0.4	U
	Acenaphthene	83-32-9	mg/kg	98	††	500	0.26	--	0.19	J	0.18	U	0.18	U	2.5		0.033	J
	Acenaphthylene	208-96-8	mg/kg	107	††	500	0.014	J	0.2	U	0.18	U	0.0039	J	0.5		0.022	J
	Acetophenone	98-86-2	mg/kg	††	††	††	0.18	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
	Aniline	62-53-3	mg/kg	††	0.33	††	0.35	U	0.38	U	0.35	U	0.35	U	0.1	J	0.4	U
	Anthracene	120-12-7	mg/kg	1,000	††	500	0.4	--	0.48		0.18	U	0.18	U	10	D	0.1	J
	Atrazine	1912-24-9	mg/kg	††	††	††	0.18	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
	Benzaldehyde	100-52-7	mg/kg	††	††	††	0.11	J	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
	Benzo(a)anthracene	56-55-3	mg/kg	1	††	5.6	0.81	--	0.39		0.18	U	0.18	U	10	D	0.18	J
	Benzo(a)pyrene	50-32-8	mg/kg	22	††	1	0.6	--	0.29		0.18	U	0.0079	J	4.1		0.16	J
	Benzo(b)fluoranthene	205-99-2	mg/kg	1.7	††	5.6	0.9	--	0.35		0.18	U	0.18	U	9.3	D	0.21	
	Benzo(g,h,i)perylene	191-24-2	mg/kg	1,000	††	500	0.41	--	0.21		0.18	U	0.18	U	4.2		0.16	J
	Benzo(k)fluoranthene	207-08-9	mg/kg	1.7	††	56	0.39	--	0.16	J	0.18	U	0.18	U	4		0.092	J
	Benzyl alcoho	100-51-6	mg/kg	††	††	††	1.3	--	0.38	U	0.35	U	0.35	U	0.37	U	0.4	U
	Bis(2-chloroethoxy)methane	111-91-1	mg/kg	††	††	††	0.18	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
	Bis(2-chloroethyl)ether	111-44-4	mg/kg	††	††	††	0.18	U	0.2	U	0.18	U	0.18	U	0.1	J	0.06	J
	Bis(2-ethylhexyl) phthalate	117-81-7	mg/kg	††	435	††	0.55	--	0.47		0.16	J	0.16	J	0.24		0.49	
	Butyl benzyl phthalate	85-68-7	mg/kg	††	122	††	0.17	J	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
	Caprolactam	105-60-2	mg/kg	††	††	††	0.18	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
	Carbazole	86-74-8	mg/kg	††	††	††	0.28	--	0.11	J	0.18	U	0.18	U	2.3		0.04	J
	Chrysene	218-01-9	mg/kg	1	††	56	0.78	--	0.31		0.18	U	0.18	U	8.9	D	0.17	J
	Dibenz(a,h)anthracene	53-70-3	mg/kg	1,000	††	0.56	0.11	J	0.2	U	0.18	U	0.18	U	0.52		0.02	J
	Dibenzofuran	132-64-9	mg/kg	210	6.2	350	0.16	J	0.22		0.18	U	0.18	U	4.3		0.034	J
	Dicyclohexylamine	101-83-7	mg/kg	††	††	††	0.18	UJ	0.2	UJ	0.18	UJ	0.18	UJ	0.19	UJ	0.21	UJ
	Diethyl phthalate	84-66-2	mg/kg	††	7.1	††	0.18	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
	Dimethyl phthalate	131-11-3	mg/kg	††	27	††	0.18	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
	Di-n-butyl phthalate	84-74-2	mg/kg	††	8.1	††	0.18	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
	Di-n-octyl phthalate	117-84-0	mg/kg	††	120	††	0.18	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
	Fluoranthene	206-44-0	mg/kg	1,000	††	500	1.8	--	1.1		0.0051	J	0.18	U	28	D	0.35	
	Fluorene	86-73-7	mg/kg	386	††	500	0.23	--	0.29		0.18	U	0.18	U	8.1	D	0.045	J
	Hexachlorobenzene	118-74-1	mg/kg	3.2	1.4	6	0.18	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Hexachlorobutadiene	87-68-3	mg/kg	††	††	††	0.18	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U	
Hexachlorocyclopentadiene	77-47-4	mg/kg	††	††	††	0.18	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U	
Hexachloroethane	67-72-1	mg/kg	††	††	††	0.18	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U	
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	8.2	††	5.6	0.32	--	0.14	J	0.18	U	0.18	U	3.9		0.077	J	
Isophorone	78-59-1	ma/kg	††	4.4	††	0.18	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U	

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		BLD 5A-1		BLD 8-1		BLD 8-2		BLD 8A-1(1)		BLD 8B-1(1)		BLD 8C-1	
							Sample Date		8/12/2013 10:45		8/13/2013 9:45		8/12/2013 16:15		8/12/2013 14:00		8/9/2013 9:30		8/9/2013 13:45	
							Sample ID		TMW-BLD5A-1 (6-7)(081213)		TMW-BLD8-1 (6-7)(081313)		TMW-BLD8-2 (8-9)(081213)		TMW-BLD8A-1 (14-15)(080913)		TMW-BLD8B1 (8.4-10)(080913)		TMW-BLD8C1 (8-10)(080913)	
							Depth Interval		6 - 7 ft		6 - 7 ft		8 - 9 ft		14 - 15 ft		8.4 - 10 ft		8 - 10 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
SVOCs Method SW8270C/D (Cont.)	n,n-Dimethylaniline	121-69-7	mg/kg	††	††	††	0.18	UJ	0.2	UJ	0.18	UJ	0.18	UJ	0.19	UJ	0.21	UJ		
	Naphthalene	91-20-3	mg/kg	12	††	500	0.11	J	0.075	J	0.18	U	0.0076	J	0.85		0.029	J		
	Nitrobenzene	98-95-3	mg/kg	††	0.17	††	0.18	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U		
	N-Nitroso-di-n-propylamine	621-64-7	mg/kg	††	††	††	0.18	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U		
	N-Nitrosodiphenylamine	86-30-6	mg/kg	††	††	††	0.18	U	0.2	U	0.18	U	0.18	U	0.19	U	0.02	J		
	Pentachloropheno	87-86-5	mg/kg	0.8	††	6.7	0.35	U	0.38	U	0.35	U	0.35	U	0.37	U	0.4	U		
	Phenanthrene	85-01-8	mg/kg	1,000	††	500	1.6	--	1.2		0.0057	J	0.0078	J	34	D	0.3			
	Phenol	108-95-2	mg/kg	0.33	††	500	0.075	J	0.2	U	0.18	U	0.18	U	0.19	U	0.31			
	Pyrene	129-00-0	mg/kg	1,000	††	500	1.6		0.78		0.18	U	0.18	U	20	D	0.33			
	Pyridine	110-86-1	mg/kg	††	††	††	0.35	U	0.38	U	0.35	U	0.35	U	0.37	U	0.4	U		
Triethylamine	121-44-8	mg/kg	††	††	††	0.35	UJ	0.38	UJ	0.35	UJ	0.35	UJ	0.37	UJ	0.4	UJ			
TPH Method SW8015B/D	Ethanol	64-17-5	mg/kg	††	††	††	1	U	11	U	10	U	0.96	U	1.1	U	1.2	U		
	Ethylene glyco	107-21-1	mg/kg	††	††	††	5.1	U	55	U	52	U	5.1	U	5.6	U	6	U		
	Isobutanol	78-83-1	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--		
	Isopropyl alcohol	67-63-0	mg/kg	††	††	††	1	U	11	U	10	U	0.96	U	1.1	U	1.2	U		
	Methanol	67-56-1	mg/kg	††	††	††	3.4		4.2	J	10	U	0.96	U	1.1	UB	1.2	UB		
	Propylene glycol	57-55-6	ma/ka	††	††	††	5.1	U	55	U	52	U	5.1	U	5.6	U	6	U		

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Location		BLD 8D-1		BLD 9-1		BLD 9A-1		BLD 9B-1		BLD 20-1		BLD 21A-1	
							Sample Date		8/9/2013 9:15		8/2/2013 14:05		8/2/2013 9:00		8/2/2013 11:10		10/3/2013 11:00		8/12/2013 15:30	
							Sample ID		TMW-BLD8D1 (4-6)(080913)		TMW-BLD9-1 (6-8)(080213)		TMW-9A-1 (4-6)(080213)		TMW-BLD9B-1 (11-13)(080213)		TMW-BLD201 (8-9)(100313)		TMW-BLD21A-1 (14-16)(081213)	
							Depth Interval		4 - 6 ft		6 - 8 ft		4 - 6 ft		11 - 13 ft		8 - 9 ft		14 - 16 ft	
							Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	††	500	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	††	0.6	††	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	mg/kg	††	6	††	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	1,1,2-Trichloroethane	79-00-5	mg/kg	††	††	††	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	1,1-Dichloroethane	75-34-3	mg/kg	0.27	††	240	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	1,1-Dichloroethene	75-35-4	mg/kg	0.33	††	500	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	1,2,3-Trichlorobenzene	87-61-6	mg/kg	††	††	††	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	1,2,4-Trichlorobenzene	120-82-1	mg/kg	††	3.4	††	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	1,2,4-Trimethylbenzene	95-63-6	mg/kg	3.6	††	190	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	1,2-Dibromo-3-Chloropropane	96-12-8	mg/kg	††	††	††	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	1,2-Dibromoethane	106-93-4	mg/kg	††	††	††	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	††	500	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	1,2-Dichloroethane	107-06-2	mg/kg	0.02	††	30	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	1,2-Dichloropropane	78-87-5	mg/kg	††	††	††	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	1,3,5-Trimethylbenzene	108-67-8	mg/kg	8.4	††	190	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	††	280	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	††	130	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	1,4-Dioxane	123-91-1	mg/kg	0.1	††	130	0.2	UJ	0.15	UJ	0.14	UJ	0.2	UJ	0.17	UJ	0.15	UJ	0.15	UJ
	2-Butanone	78-93-3	mg/kg	0.12	0.3	500	0.013	J	0.0014	J	0.017	U	0.026	U	0.021	U	0.0094	J		
	2-Hexanone	591-78-6	mg/kg	††	††	††	0.025	U	0.018	U	0.017	U	0.026	U	0.021	U	0.018	U		
	2-Nitropropane	79-46-9	mg/kg	††	††	††	0.025	UJ	0.018	UJ	0.017	UJ	0.026	UJ	0.021	UJ	0.018	UJ		
	4-Methyl-2-pentanone	108-10-1	mg/kg	††	1	††	0.025	U	0.018	U	0.017	U	0.026	U	0.021	U	0.018	U		
	Acetone	67-64-1	mg/kg	0.05	††	500	0.067	--	0.04	--	0.017	U	0.014	J	0.021	U	0.035			
	Acetonitrile	75-05-8	mg/kg	††	††	††	0.2	U	0.15	U	0.14	U	0.2	U	0.17	UJ	0.15	U		
	Benzene	71-43-2	mg/kg	0.06	††	44	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	Bromochloromethane	74-97-5	mg/kg	††	††	††	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	Bromodichloromethane	75-27-4	mg/kg	††	††	††	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	Bromoform	75-25-2	mg/kg	††	††	††	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	Bromomethane	74-83-9	mg/kg	††	††	††	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	Carbon disulfide	75-15-0	mg/kg	††	2.7	††	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	UJ	0.0097	
	Carbon tetrachloride	56-23-5	mg/kg	0.76	††	22	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	Chlorobenzene	108-90-7	mg/kg	1.1	††	500	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	Chlorodifluoromethane	75-45-6	mg/kg	††	††	††	0.0051	UJ	0.0037	UJ	0.0035	UJ	0.0035	UJ	0.0051	UJ	0.0041	UJ	0.0037	UJ
	Chloroethane	75-00-3	mg/kg	††	1.9	††	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	Chloroform	67-66-3	mg/kg	0.37	††	350	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	Chloromethane	74-87-3	mg/kg	††	††	††	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	cis-1,2-Dichloroethene	156-59-2	mg/kg	0.25	††	500	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	cis-1,3-Dichloropropene	10061-01-5	mg/kg	††	††	††	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	Cyclohexane	110-82-7	mg/kg	††	††	††	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	UJ	0.0037	U
	Cyclohexanone	108-94-1	mg/kg	††	††	††	0.051	UJ	0.037	UJ	0.035	UJ	0.051	UJ	0.041	UJ	0.037	UJ		
	Dibromochloromethane	124-48-1	mg/kg	††	††	††	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	Dichlorodifluoromethane	75-71-8	mg/kg	††	††	††	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U
	Diethyl ether	60-29-7	mg/kg	††	††	††	0.025	UJ	0.018	UJ	0.017	UJ	0.026	UJ	0.021	UJ	0.018	UJ		
	Ethyl acetate	141-78-6	mg/kg	††	††	††	0.0051	UJ	0.0037	UJ	0.0035	UJ	0.0035	UJ	0.0051	UJ	0.0041	UJ	0.0037	UJ
	Ethylbenzene	100-41-4	mg/kg	1	††	390	0.0051	U	0.0037	U	0.0035	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		BLD 8D-1		BLD 9-1		BLD 9A-1		BLD 9B-1		BLD 20-1		BLD 21A-1					
							Sample Date		Sample ID		Depth Interval		8/9/2013 9:15		8/2/2013 14:05		8/2/2013 9:00		8/2/2013 11:10		10/3/2013 11:00		8/12/2013 15:30	
													TMW-BLD8D1 (4-6)(080913)		TMW-BLD9-1 (6-8)(080213)		TMW-9A-1 (4-6)(080213)		TMW-BLD9B-1 (11-13)(080213)		TMW-BLD201 (8-9)(100313)		TMW-BLD21A-1 (14-16)(081213)	
													4 - 6 ft		6 - 8 ft		4 - 6 ft		11 - 13 ft		8 - 9 ft		14 - 16 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual						
VOCs Method SW8260B/C (Cont.)	Isobutanol	78-83-1	mg/kg	††	††	††	0.2	UJ	0.15	UJ	0.14	UJ	0.2	UJ	0.17	UJ	0.15	UJ						
	Isopropylbenzene	98-82-8	mg/kg	††	2.3	††	0.0051	U	0.0037	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U						
	m&p-Xylene	179601-23-1	mg/kg	††	††	††	0.01	U	0.0073	U	0.007	U	0.01	U	0.0083	U	0.0074	U						
	Methyl acetate	79-20-9	mg/kg	††	††	††	0.0014	J	0.0037	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U						
	Methyl tert-butyl ether	1634-04-4	mg/kg	0.93	††	500	0.0051	U	0.0037	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U						
	Methylcyclohexane	108-87-2	mg/kg	††	††	††	0.0051	U	0.0037	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U						
	Methylene Chloride	75-09-2	mg/kg	0.05	††	500	0.0051	U	0.0037	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U						
	Naphthalene	91-20-3	mg/kg	12	††	500	0.0015	J	0.0037	U	0.0035	U	0.0051	U	0.0041	U	0.0021	J						
	n-Butanol	71-36-3	mg/kg	††	††	††	0.2	UJ	0.15	UJ	0.14	UJ	0.2	UJ	0.17	UJ	0.15	UJ						
	n-Butylbenzene	104-51-8	mg/kg	12	††	500	0.0051	U	0.0037	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U						
	n-Heptane	142-82-5	mg/kg	††	††	††	0.1	UJ	0.073	UJ	0.07	UJ	0.1	UJ	0.083	UJ	0.074	UJ						
	n-Hexane	110-54-3	mg/kg	††	††	††	0.051	UJ	0.037	UJ	0.035	UJ	0.051	UJ	0.041	UJ	0.037	UJ						
	o-Xylene	95-47-6	mg/kg	††	††	††	0.0051	U	0.0037	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U						
	p-Isopropyltoluene	99-87-6	mg/kg	††	10	††	0.0051	U	0.0037	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U						
	sec-Butylbenzene	135-98-8	mg/kg	11	††	500	0.0051	U	0.0037	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U						
	Styrene	100-42-5	mg/kg	††	††	††	0.0051	U	0.0037	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U						
	tert-Butanol	75-65-0	mg/kg	††	††	††	0.1	UJ	0.073	UJ	0.07	UJ	0.1	UJ	0.083	UJ	0.074	UJ						
	tert-Butylbenzene	98-06-6	mg/kg	5.9	††	500	0.0051	U	0.0037	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U						
	Tetrachloroethene	127-18-4	mg/kg	1.3	††	150	0.0051	U	0.0037	U	0.00047	J	0.0051	U	0.0041	U	0.0037	U						
	Tetrahydrofuran	109-99-9	mg/kg	††	††	††	0.025	U	0.018	U	0.017	U	0.026	U	0.021	UJ	0.018	U						
	Toluene	108-88-3	mg/kg	0.7	††	500	0.0051	U	0.00042	J	0.0035	U	0.0051	U	0.0041	U	0.0037	U						
	trans-1,2-Dichloroethene	156-60-5	mg/kg	0.19	††	500	0.0051	U	0.0037	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U						
	trans-1,3-Dichloropropene	10061-02-6	mg/kg	††	††	††	0.0051	U	0.0037	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U						
	Trichloroethene	79-01-6	mg/kg	0.47	††	200	0.0051	U	0.0037	U	0.0035	U	0.0051	U	0.0041	U	0.00096	J						
	Trichlorofluoromethane	75-69-4	mg/kg	††	††	††	0.0051	U	0.0037	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U						
	Vinyl chloride	75-01-4	mg/kg	0.02	††	13	0.0051	U	0.0037	U	0.0035	U	0.0051	U	0.0041	U	0.0037	U						
	Xylenes (total)	1330-20-7	mg/kg	1.6	††	500	0.01	U	0.0073	U	0.007	U	0.01	U	0.0083	U	0.0074	U						
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	mg/kg	††	††	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U						
	1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	††	††	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U						
	2,2'-Oxybis(1-Chloropropane)	108-60-1	mg/kg	††	††	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U						
	2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	††	††	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U						
	2,4,5-Trichlorophenol	95-95-4	mg/kg	††	0.1	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U						
	2,4,6-Trichlorophenol	88-06-2	mg/kg	††	††	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U						
	2,4-Dichloropheno	120-83-2	mg/kg	††	0.4	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U						
	2,4-Dimethylpheno	105-67-9	mg/kg	††	††	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U						
	2,4-Dinitrophenol	51-28-5	mg/kg	††	0.2	††	0.35	U	0.37	U	0.37	U	0.37	U	0.38	U	0.36	U						
	2,4-Dinitrotoluene	121-14-2	mg/kg	††	††	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U						
	2,6-Dinitrotoluene	606-20-2	mg/kg	††	0.17	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U						
	2-Chloronaphthalene	91-58-7	mg/kg	††	††	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U						
	2-Chloropheno	95-57-8	mg/kg	††	††	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U						
	2-Methylnaphthalene	91-57-6	mg/kg	††	36.4	††	0.0092	J	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U						
	2-Methylpheno	95-48-7	mg/kg	0.33	††	500	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U						
	2-Nitroaniline	88-74-4	mg/kg	††	0.4	††	0.35	U	0.37	U	0.37	U	0.37	U	0.38	U	0.36	U						
	2-Nitrophenol	88-75-5	mg/kg	††	0.3	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U						
	3 & 4 Methylpheno	MEPH3MEPH4	mg/kg	††	††	††	0.35	U	0.37	U	0.37	U	0.37	U	0.38	U	0.023	J						

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Location		Sample Date		Sample ID		Depth Interval		BLD 8D-1		BLD 9-1		BLD 9A-1		BLD 9B-1		BLD 20-1		BLD 21A-1	
															8/9/2013 9:15		8/2/2013 14:05		8/2/2013 9:00		8/2/2013 11:10		10/3/2013 11:00		8/12/2013 15:30	
															TMW-BLD8D1 (4-6)(080913)		TMW-BLD9-1 (6-8)(080213)		TMW-9A-1 (4-6)(080213)		TMW-BLD9B-1 (11-13)(080213)		TMW-BLD201 (8-9)(100313)		TMW-BLD21A-1 (14-16)(081213)	
															4 - 6 ft		6 - 8 ft		4 - 6 ft		11 - 13 ft		8 - 9 ft		14 - 16 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	3,3'-Dichlorobenzidine	91-94-1	mg/kg	††	††	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	3-Nitroaniline	99-09-2	mg/kg	††	0.5	††	0.35	U	0.37	U	0.37	U	0.37	U	0.37	U	0.38	U	0.37	U	0.38	U	0.36	U	0.36	U
	4,6-Dinitro-2-methylpheno	534-52-1	mg/kg	††	††	††	0.35	U	0.37	U	0.37	U	0.37	U	0.37	U	0.38	U	0.37	U	0.38	U	0.36	U	0.36	U
	4-Bromophenyl phenyl ethe	101-55-3	mg/kg	††	††	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	4-Chloro-3-methylpheno	59-50-7	mg/kg	††	††	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	4-Chloroaniline	106-47-8	mg/kg	††	0.22	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	4-Chlorophenyl phenyl ethe	7005-72-3	mg/kg	††	††	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	4-Methylpheno	106-44-5	mg/kg	0.33	††	500	0.35	U	0.37	U	0.37	U	0.37	U	0.37	U	0.38	U	0.37	U	0.38	U	0.023	J	0.023	J
	4-Nitroaniline	100-01-6	mg/kg	††	††	††	0.35	U	0.37	U	0.37	U	0.37	U	0.37	U	0.38	U	0.37	U	0.38	U	0.36	U	0.36	U
	4-Nitrophenol	100-02-7	mg/kg	††	0.1	††	0.35	U	0.37	U	0.37	U	0.37	U	0.37	U	0.38	U	0.37	U	0.38	U	0.36	U	0.36	U
	Acenaphthene	83-32-9	mg/kg	98	††	500	0.017	J	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Acenaphthylene	208-96-8	mg/kg	107	††	500	0.028	J	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Acetophenone	98-86-2	mg/kg	††	††	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Aniline	62-53-3	mg/kg	††	0.33	††	0.35	U	0.37	U	0.37	U	0.37	U	0.37	U	0.38	U	0.37	U	0.38	U	0.36	U	0.36	U
	Anthracene	120-12-7	mg/kg	1,000	††	500	0.029	J	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Atrazine	1912-24-9	mg/kg	††	††	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Benzaldehyde	100-52-7	mg/kg	††	††	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Benzo(a)anthracene	56-55-3	mg/kg	1	††	5.6	0.054	J	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.012	J	0.012	J
	Benzo(a)pyrene	50-32-8	mg/kg	22	††	1	0.055	J	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.013	J	0.013	J
	Benzo(b)fluoranthene	205-99-2	mg/kg	1.7	††	5.6	0.071	J	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.017	J	0.017	J
	Benzo(g,h,i)perylene	191-24-2	mg/kg	1,000	††	500	0.08	J	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Benzo(k)fluoranthene	207-08-9	mg/kg	1.7	††	56	0.03	J	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.0067	J	0.0067	J
	Benzyl alcoh	100-51-6	mg/kg	††	††	††	0.0091	J	0.37	U	0.37	U	0.37	U	0.37	U	0.38	U	0.37	U	0.38	U	0.36	U	0.36	U
	Bis(2-chloroethoxy)methane	111-91-1	mg/kg	††	††	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Bis(2-chloroethyl)ether	111-44-4	mg/kg	††	††	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Bis(2-ethylhexyl) phthalate	117-81-7	mg/kg	††	435	††	0.3	U	0.63	U	0.23	U	0.4	U	0.19	U	0.59	U	0.19	U	0.59	U	0.59	U	0.59	U
	Butyl benzyl phthalate	85-68-7	mg/kg	††	122	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Caprolactam	105-60-2	mg/kg	††	††	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Carbazole	86-74-8	mg/kg	††	††	††	0.011	J	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Chrysene	218-01-9	mg/kg	1	††	56	0.056	J	0.032	J	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.0087	J	0.0087	J
	Dibenz(a,h)anthracene	53-70-3	mg/kg	1,000	††	0.56	0.01	J	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Dibenzofuran	132-64-9	mg/kg	210	6.2	350	0.011	J	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Dicyclohexylamine	101-83-7	mg/kg	††	††	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Diethyl phthalate	84-66-2	mg/kg	††	7.1	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Dimethyl phthalate	131-11-3	mg/kg	††	27	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Di-n-butyl phthalate	84-74-2	mg/kg	††	8.1	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Di-n-octyl phthalate	117-84-0	mg/kg	††	120	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Fluoranthene	206-44-0	mg/kg	1,000	††	500	0.098	J	0.063	J	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.014	J	0.014	J
	Fluorene	86-73-7	mg/kg	386	††	500	0.017	J	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Hexachlorobenzene	118-74-1	mg/kg	3.2	1.4	6	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Hexachlorobutadiene	87-68-3	mg/kg	††	††	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Hexachlorocyclopentadiene	77-47-4	mg/kg	††	††	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Hexachloroethane	67-72-1	mg/kg	††	††	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	8.2	††	5.6	0.037	J	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Isophorone	78-59-1	mg/kg	††	4.4	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		BLD 8D-1		BLD 9-1		BLD 9A-1		BLD 9B-1		BLD 20-1		BLD 21A-1	
							Sample Date		8/9/2013 9:15		8/2/2013 14:05		8/2/2013 9:00		8/2/2013 11:10		10/3/2013 11:00		8/12/2013 15:30	
							Sample ID		TMW-BLD8D1 (4-6)(080913)		TMW-BLD9-1 (6-8)(080213)		TMW-9A-1 (4-6)(080213)		TMW-BLD9B-1 (11-13)(080213)		TMW-BLD201 (8-9)(100313)		TMW-BLD21A-1 (14-16)(081213)	
							Depth Interval		4 - 6 ft		6 - 8 ft		4 - 6 ft		11 - 13 ft		8 - 9 ft		14 - 16 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	n,n-Dimethylaniline	121-69-7	mg/kg	††	††	††	0.18	UJ	0.19	UJ	0.19	UJ	0.19	UJ	0.19	UJ	0.19	UJ	0.19	UJ
	Naphthalene	91-20-3	mg/kg	12	††	500	0.017	J	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.0033	J
	Nitrobenzene	98-95-3	mg/kg	††	0.17	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	N-Nitroso-di-n-propylamine	621-64-7	mg/kg	††	††	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	N-Nitrosodiphenylamine	86-30-6	mg/kg	††	††	††	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Pentachloropheno	87-86-5	mg/kg	0.8	††	6.7	0.35	U	0.37	U	0.37	U	0.37	U	0.37	U	0.38	U	0.36	U
	Phenanthrene	85-01-8	mg/kg	1,000	††	500	0.092	J	0.035	J	0.19	U	0.19	U	0.19	U	0.19	U	0.011	J
	Phenol	108-95-2	mg/kg	0.33	††	500	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Pyrene	129-00-0	mg/kg	1,000	††	500	0.098	J	0.067	J	0.19	U	0.19	U	0.19	U	0.19	U	0.015	J
	Pyridine	110-86-1	mg/kg	††	††	††	0.35	U	0.37	U	0.37	U	0.37	U	0.37	U	0.38	U	0.36	U
	Triethylamine	121-44-8	mg/kg	††	††	††	0.35	UJ	0.37	UJ	0.37	UJ	0.37	UJ	0.37	UJ	0.38	UJ	0.36	UJ
TPH Method SW8015B/D	Ethanol	64-17-5	mg/kg	††	††	††	1	U	1.1	U	1	U	1	U	1.1	U	1.1	U	1.1	U
	Ethylene glyco	107-21-1	mg/kg	††	††	††	5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.6	UJ	5.3	U
	Isobutanol	78-83-1	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Isopropyl alcohol	67-63-0	mg/kg	††	††	††	1	U	1.1	U	1	U	1	U	1.1	U	1.1	U	1.1	U
	Methanol	67-56-1	mg/kg	††	††	††	2.3	UB	1.1	U	1	U	1	U	0.51	J	1.1	UB	1.1	UB
	Propylene glycol	57-55-6	mg/kg	††	††	††	5	U	5.5	U	5.5	U	5.5	U	5.5	U	5.6	U	5.3	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Location		BLD 24-1		BLD 24A-1		BLD 24A-1		BLD 29-1		BLD 36-1		BLD 41-1	
							Sample Date		8/2/2013 8:45		7/31/2013 16:00		7/31/2013 16:00		8/2/2013 15:30		8/22/2013 14:20		8/21/2013 9:30	
							Sample ID		TMW-BLD24-1 (6-8)(080213)		TMW-BLD24A1 (14-16)(073113)		TMW-BLD24A1 (14-18)(073113)		TMW-BLD29-1 (2-4)(080213)		TMW-BLD361 (4-6)(082213)		TMW-BLD411 (14.25-17.4)	
							Depth Interval		6 - 8 ft		14 - 16 ft		14 - 18 ft		2 - 4 ft		4 - 6 ft		14.25 - 17.4 ft	
							Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	††	500	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		
	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	††	0.6	††	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	mg/kg	††	6	††	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		
	1,1,2-Trichloroethane	79-00-5	mg/kg	††	††	††	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		
	1,1-Dichloroethane	75-34-3	mg/kg	0.27	††	240	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		
	1,1-Dichloroethene	75-35-4	mg/kg	0.33	††	500	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		
	1,2,3-Trichlorobenzene	87-61-6	mg/kg	††	††	††	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		
	1,2,4-Trichlorobenzene	120-82-1	mg/kg	††	3.4	††	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		
	1,2,4-Trimethylbenzene	95-63-6	mg/kg	3.6	††	190	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		
	1,2-Dibromo-3-Chloropropane	96-12-8	mg/kg	††	††	††	0.0047	U	0.0047	UJ	--	--	0.0046	U	0.0047	U	0.0036	U		
	1,2-Dibromoethane	106-93-4	mg/kg	††	††	††	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		
	1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	††	500	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		
	1,2-Dichloroethane	107-06-2	mg/kg	0.02	††	30	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		
	1,2-Dichloropropane	78-87-5	mg/kg	††	††	††	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		
	1,3,5-Trimethylbenzene	108-67-8	mg/kg	8.4	††	190	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		
	1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	††	280	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		
	1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	††	130	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		
	1,4-Dioxane	123-91-1	mg/kg	0.1	††	130	0.19	UJ	0.19	UJ	--	--	0.19	UJ	0.19	UJ	0.15	UJ		
	2-Butanone	78-93-3	mg/kg	0.12	0.3	500	0.024	U	0.0017	J	--	--	0.023	U	0.024	U	0.018	U		
	2-Hexanone	591-78-6	mg/kg	††	††	††	0.024	U	0.024	UJ	--	--	0.023	U	0.024	U	0.018	U		
	2-Nitropropane	79-46-9	mg/kg	††	††	††	0.024	UJ	0.024	UJ	--	--	0.023	UJ	0.024	UJ	0.018	UJ		
	4-Methyl-2-pentanone	108-10-1	mg/kg	††	1	††	0.024	U	0.0037	J	--	--	0.023	U	0.024	U	0.018	U		
	Acetone	67-64-1	mg/kg	0.05	††	500	0.024	U	0.028	J	--	--	0.023	U	0.0067	J	0.0088	J		
	Acetonitrile	75-05-8	mg/kg	††	††	††	0.19	U	0.19	UJ	--	--	0.19	U	0.19	UJ	0.15	UJ		
	Benzene	71-43-2	mg/kg	0.06	††	44	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		
	Bromochloromethane	74-97-5	mg/kg	††	††	††	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		
	Bromodichloromethane	75-27-4	mg/kg	††	††	††	0.0047	U	0.0047	UJ	--	--	0.0046	U	0.0047	U	0.0036	U		
	Bromoform	75-25-2	mg/kg	††	††	††	0.0047	U	0.0047	UJ	--	--	0.0046	U	0.0047	UJ	0.0036	U		
	Bromomethane	74-83-9	mg/kg	††	††	††	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		
	Carbon disulfide	75-15-0	mg/kg	††	2.7	††	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		
	Carbon tetrachloride	56-23-5	mg/kg	0.76	††	22	0.0047	U	0.0047	UJ	--	--	0.0046	U	0.0047	U	0.0036	U		
	Chlorobenzene	108-90-7	mg/kg	1.1	††	500	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		
	Chlorodifluoromethane	75-45-6	mg/kg	††	††	††	0.0047	UJ	0.0047	UJ	--	--	0.0046	UJ	0.0047	UJ	0.0036	UJ		
	Chloroethane	75-00-3	mg/kg	††	1.9	††	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		
	Chloroform	67-66-3	mg/kg	0.37	††	350	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		
	Chloromethane	74-87-3	mg/kg	††	††	††	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		
	cis-1,2-Dichloroethene	156-59-2	mg/kg	0.25	††	500	0.0047	U	0.0014	J	--	--	0.0046	U	0.0047	U	0.0036	U		
	cis-1,3-Dichloropropene	10061-01-5	mg/kg	††	††	††	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		
	Cyclohexane	110-82-7	mg/kg	††	††	††	0.0047	U	0.0047	UJ	--	--	0.0046	U	0.0047	U	0.0036	U		
	Cyclohexanone	108-94-1	mg/kg	††	††	††	0.047	UJ	0.047	UJ	--	--	0.046	UJ	0.047	UJ	0.036	UJ		
	Dibromochloromethane	124-48-1	mg/kg	††	††	††	0.0047	U	0.0047	UJ	--	--	0.0046	U	0.0047	U	0.0036	U		
	Dichlorodifluoromethane	75-71-8	mg/kg	††	††	††	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		
	Diethyl ether	60-29-7	mg/kg	††	††	††	0.024	UJ	0.024	UJ	--	--	0.023	UJ	0.024	UJ	0.018	UJ		
	Ethyl acetate	141-78-6	mg/kg	††	††	††	0.0047	UJ	0.0047	UJ	--	--	0.0046	UJ	0.0047	UJ	0.0036	UJ		
	Ethylbenzene	100-41-4	mg/kg	1	††	390	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U	0.0036	U		

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		BLD 24-1	BLD 24A-1	BLD 24A-1	BLD 29-1	BLD 36-1	BLD 41-1		
							Sample Date		8/2/2013 8:45	7/31/2013 16:00	7/31/2013 16:00	8/2/2013 15:30	8/22/2013 14:20	8/21/2013 9:30		
							Sample ID		TMW-BLD24-1 (6-8)(080213)	TMW-BLD24A1 (14-16)(073113)	TMW-BLD24A1 (14-18)(073113)	TMW-BLD29-1 (2-4)(080213)	TMW-BLD361 (4-6)(082213)	TMW-BLD411 (14.25-17.4)		
							Depth Interval		6 - 8 ft	14 - 16 ft	14 - 18 ft	2 - 4 ft	4 - 6 ft	14.25 - 17.4 ft		
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Isobutanol	78-83-1	mg/kg	††	††	††	0.19	UJ	0.19	UJ	--	--	0.19	UJ	0.19	UJ
	Isopropylbenzene	98-82-8	mg/kg	††	2.3	††	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U
	m&p-Xylene	179601-23-1	mg/kg	††	††	††	0.0095	U	0.0094	U	--	--	0.0093	U	0.0095	U
	Methyl acetate	79-20-9	mg/kg	††	††	††	0.0047	U	0.0047	UJ	--	--	0.0046	U	0.0047	U
	Methyl tert-butyl ether	1634-04-4	mg/kg	0.93	††	500	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U
	Methylcyclohexane	108-87-2	mg/kg	††	††	††	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U
	Methylene Chloride	75-09-2	mg/kg	0.05	††	500	0.0047	U	0.0039	J	--	--	0.0046	U	0.0047	U
	Naphthalene	91-20-3	mg/kg	12	††	500	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U
	n-Butanol	71-36-3	mg/kg	††	††	††	0.19	UJ	0.19	UJ	--	--	0.19	UJ	0.19	UJ
	n-Butylbenzene	104-51-8	mg/kg	12	††	500	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U
	n-Heptane	142-82-5	mg/kg	††	††	††	0.095	UJ	0.094	UJ	--	--	0.093	UJ	0.095	UJ
	n-Hexane	110-54-3	mg/kg	††	††	††	0.047	UJ	0.047	UJ	--	--	0.046	UJ	0.047	UJ
	o-Xylene	95-47-6	mg/kg	††	††	††	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U
	p-Isopropyltoluene	99-87-6	mg/kg	††	10	††	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U
	sec-Butylbenzene	135-98-8	mg/kg	11	††	500	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U
	Styrene	100-42-5	mg/kg	††	††	††	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U
	tert-Butanol	75-65-0	mg/kg	††	††	††	0.095	UJ	0.094	UJ	--	--	0.093	UJ	0.095	UJ
	tert-Butylbenzene	98-06-6	mg/kg	5.9	††	500	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U
	Tetrachloroethene	127-18-4	mg/kg	1.3	††	150	0.00076	J	0.0047	UB	--	--	0.0046	U	0.0047	U
	Tetrahydrofuran	109-99-9	mg/kg	††	††	††	0.024	U	0.024	UJ	--	--	0.023	U	0.024	U
	Toluene	108-88-3	mg/kg	0.7	††	500	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U
	trans-1,2-Dichloroethene	156-60-5	mg/kg	0.19	††	500	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U
	trans-1,3-Dichloropropene	10061-02-6	mg/kg	††	††	††	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U
	Trichloroethene	79-01-6	mg/kg	0.47	††	200	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U
	Trichlorofluoromethane	75-69-4	mg/kg	††	††	††	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U
	Vinyl chloride	75-01-4	mg/kg	0.02	††	13	0.0047	U	0.0047	U	--	--	0.0046	U	0.0047	U
	Xylenes (total)	1330-20-7	mg/kg	1.6	††	500	0.0095	U	0.0094	U	--	--	0.0093	U	0.0095	U
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	mg/kg	††	††	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	††	††	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	2,2'-Oxybis(1-Chloropropane)	108-60-1	mg/kg	††	††	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	††	††	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	2,4,5-Trichlorophenol	95-95-4	mg/kg	††	0.1	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	2,4,6-Trichlorophenol	88-06-2	mg/kg	††	††	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	2,4-Dichloropheno	120-83-2	mg/kg	††	0.4	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	2,4-Dimethylpheno	105-67-9	mg/kg	††	††	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	2,4-Dinitrophenol	51-28-5	mg/kg	††	0.2	††	0.38	U	--	--	0.35	U	0.35	UJ	0.36	U
	2,4-Dinitrotoluene	121-14-2	mg/kg	††	††	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	2,6-Dinitrotoluene	606-20-2	mg/kg	††	0.17	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	2-Chloronaphthalene	91-58-7	mg/kg	††	††	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	2-Chloropheno	95-57-8	mg/kg	††	††	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	2-Methylnaphthalene	91-57-6	mg/kg	††	36.4	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	2-Methylpheno	95-48-7	mg/kg	0.33	††	500	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	2-Nitroaniline	88-74-4	mg/kg	††	0.4	††	0.38	U	--	--	0.35	U	0.35	U	0.36	U
	2-Nitrophenol	88-75-5	mg/kg	††	0.3	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	3 & 4 Methylpheno	MEPH3MEPH4	mg/kg	††	††	††	0.38	U	--	--	0.35	U	0.35	U	0.36	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		BLD 24-1	BLD 24A-1	BLD 24A-1	BLD 29-1	BLD 36-1	BLD 41-1		
							Sample Date		8/2/2013 8:45	7/31/2013 16:00	7/31/2013 16:00	8/2/2013 15:30	8/22/2013 14:20	8/21/2013 9:30		
									Sample ID		TMW-BLD24-1 (6-8)(080213)	TMW-BLD24A1 (14-16)(073113)	TMW-BLD24A1 (14-18)(073113)	TMW-BLD29-1 (2-4)(080213)	TMW-BLD361 (4-6)(082213)	TMW-BLD411 (14.25-
							Depth Interval		6 - 8 ft	14 - 16 ft	14 - 18 ft	2 - 4 ft	4 - 6 ft	14.25 - 17.4 ft		
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	3,3'-Dichlorobenzidine	91-94-1	mg/kg	††	††	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	3-Nitroaniline	99-09-2	mg/kg	††	0.5	††	0.38	U	--	--	0.35	U	0.35	U	0.35	U
	4,6-Dinitro-2-methylpheno	534-52-1	mg/kg	††	††	††	0.38	U	--	--	0.35	U	0.35	U	0.35	U
	4-Bromophenyl phenyl ethe	101-55-3	mg/kg	††	††	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	4-Chloro-3-methylpheno	59-50-7	mg/kg	††	††	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	4-Chloroaniline	106-47-8	mg/kg	††	0.22	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	4-Chlorophenyl phenyl ethe	7005-72-3	mg/kg	††	††	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	4-Methylpheno	106-44-5	mg/kg	0.33	††	500	0.38	U	--	--	0.35	U	0.35	U	0.35	U
	4-Nitroaniline	100-01-6	mg/kg	††	††	††	0.38	U	--	--	0.35	U	0.35	U	0.35	U
	4-Nitrophenol	100-02-7	mg/kg	††	0.1	††	0.38	U	--	--	0.35	U	0.35	U	0.35	U
	Acenaphthene	83-32-9	mg/kg	98	††	500	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Acenaphthylene	208-96-8	mg/kg	107	††	500	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Acetophenone	98-86-2	mg/kg	††	††	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Aniline	62-53-3	mg/kg	††	0.33	††	0.38	U	--	--	0.35	U	0.35	U	0.35	U
	Anthracene	120-12-7	mg/kg	1,000	††	500	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Atrazine	1912-24-9	mg/kg	††	††	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Benzaldehyde	100-52-7	mg/kg	††	††	††	0.2	U	--	--	0.18	U	0.18	U	R	0.19
	Benzo(a)anthracene	56-55-3	mg/kg	1	††	5.6	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Benzo(a)pyrene	50-32-8	mg/kg	22	††	1	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Benzo(b)fluoranthene	205-99-2	mg/kg	1.7	††	5.6	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Benzo(g,h,i)perylene	191-24-2	mg/kg	1,000	††	500	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Benzo(k)fluoranthene	207-08-9	mg/kg	1.7	††	56	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Benzyl alcoho	100-51-6	mg/kg	††	††	††	0.38	U	--	--	0.35	U	0.35	U	0.35	U
	Bis(2-chloroethoxy)methane	111-91-1	mg/kg	††	††	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Bis(2-chloroethyl)ether	111-44-4	mg/kg	††	††	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Bis(2-ethylhexyl) phthalate	117-81-7	mg/kg	††	435	††	0.29	--	--	--	0.12	J	0.67	--	0.18	U
	Butyl benzyl phthalate	85-68-7	mg/kg	††	122	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Caprolactam	105-60-2	mg/kg	††	††	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Carbazole	86-74-8	mg/kg	††	††	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Chrysene	218-01-9	mg/kg	1	††	56	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Dibenz(a,h)anthracene	53-70-3	mg/kg	1,000	††	0.56	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Dibenzofuran	132-64-9	mg/kg	210	6.2	350	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Dicyclohexylamine	101-83-7	mg/kg	††	††	††	0.2	UJ	--	--	0.18	UJ	0.18	UJ	0.18	UJ
	Diethyl phthalate	84-66-2	mg/kg	††	7.1	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Dimethyl phthalate	131-11-3	mg/kg	††	27	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Di-n-butyl phthalate	84-74-2	mg/kg	††	8.1	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Di-n-octyl phthalate	117-84-0	mg/kg	††	120	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Fluoranthene	206-44-0	mg/kg	1,000	††	500	0.2	U	--	--	0.017	J	0.18	U	0.0062	J
	Fluorene	86-73-7	mg/kg	386	††	500	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Hexachlorobenzene	118-74-1	mg/kg	3.2	1.4	6	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Hexachlorobutadiene	87-68-3	mg/kg	††	††	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Hexachlorocyclopentadiene	77-47-4	mg/kg	††	††	††	0.2	U	--	--	0.18	U	0.18	U	0.18	UJ
	Hexachloroethane	67-72-1	mg/kg	††	††	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	8.2	††	5.6	0.2	U	--	--	0.18	U	0.18	U	0.18	U
	Isophorone	78-59-1	ma/kg	††	4.4	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		BLD 24-1		BLD 24A-1		BLD 24A-1		BLD 29-1		BLD 36-1		BLD 41-1	
							Sample Date		8/2/2013 8:45		7/31/2013 16:00		7/31/2013 16:00		8/2/2013 15:30		8/22/2013 14:20		8/21/2013 9:30	
							Sample ID		TMW-BLD24-1 (6-8)(080213)		TMW-BLD24A1 (14-16)(073113)		TMW-BLD24A1 (14-18)(073113)		TMW-BLD29-1 (2-4)(080213)		TMW-BLD361 (4-6)(082213)		TMW-BLD411 (14.25-17.4)	
							Depth Interval		6 - 8 ft		14 - 16 ft		14 - 18 ft		2 - 4 ft		4 - 6 ft		14.25 - 17.4 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	n,n-Dimethylaniline	121-69-7	mg/kg	††	††	††	0.2	UJ	--	--	0.18	UJ	0.18	UJ	0.18	UJ	0.19	UJ		
	Naphthalene	91-20-3	mg/kg	12	††	500	0.2	U	--	--	0.18	U	0.18	U	0.18	U	0.014	J		
	Nitrobenzene	98-95-3	mg/kg	††	0.17	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U	0.19	U		
	N-Nitroso-di-n-propylamine	621-64-7	mg/kg	††	††	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U	0.19	U		
	N-Nitrosodiphenylamine	86-30-6	mg/kg	††	††	††	0.2	U	--	--	0.18	U	0.18	U	0.18	U	0.19	U		
	Pentachloropheno	87-86-5	mg/kg	0.8	††	6.7	0.38	U	--	--	0.35	U	0.35	U	0.35	U	0.36	U		
	Phenanthrene	85-01-8	mg/kg	1,000	††	500	0.2	U	--	--	0.18	U	0.18	U	0.0079	J	0.012	J		
	Phenol	108-95-2	mg/kg	0.33	††	500	0.2	U	--	--	0.18	U	0.18	U	0.18	U	0.19	U		
	Pyrene	129-00-0	mg/kg	1,000	††	500	0.2	U	--	--	0.18	U	0.18	U	0.0063	J	0.0068	J		
	Pyridine	110-86-1	mg/kg	††	††	††	0.38	U	--	--	0.35	U	0.35	U	0.35	U	0.36	U		
TPH Method SW8015B/D	Triethylamine	121-44-8	mg/kg	††	††	††	0.38	UJ	--	--	0.35	UJ	0.35	UJ	0.35	UJ	0.36	UJ		
	Ethanol	64-17-5	mg/kg	††	††	††	1.1	U	--	--	1	U	1	U	1.1	U	1	U		
	Ethylene glyco	107-21-1	mg/kg	††	††	††	5.6	U	--	--	5.4	U	5.2	U	5.1	U	5.3	U		
	Isobutanol	78-83-1	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--		
	Isopropyl alcohol	67-63-0	mg/kg	††	††	††	1.1	U	--	--	1	U	1	U	1.1	U	1	U		
	Methanol	67-56-1	mg/kg	††	††	††	1.1	U	--	--	1	U	1	U	1.1	U	1	UJ		
	Propylene glycol	57-55-6	mg/kg	††	††	††	5.6	U	--	--	5.4	U	5.2	U	5.1	U	5.3	U		

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		BLD 43-1		BLD 43-1		BLD 45-1		BLD 46-1		BLD 56-1		BLD 62-1(1)	
							Sample Date		7/30/2013 12:00		7/30/2013 12:00		7/24/2013 16:00		7/31/2013 15:50		8/7/2013 16:00		7/30/2013 17:00	
									Sample ID		TMW-BLD431 (6-10)(073013)		TMW-BLD431 (6-8)(073013)		TMW-BLD451 (6-8)(072413)		TMW-BLD46-1- (6-8)(073113)		TMW-BLD561 (4-6)(080713)	
							Depth Interval		6 - 10 ft		6 - 8 ft		6 - 8 ft		6 - 8 ft		4 - 6 ft		28 - 30 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	††	500	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	††	0.6	††	--	--	0.0045	UJ	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	mg/kg	††	6	††	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	1,1,2-Trichloroethane	79-00-5	mg/kg	††	††	††	--	--	0.0045	UJ	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	1,1-Dichloroethane	75-34-3	mg/kg	0.27	††	240	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	1,1-Dichloroethene	75-35-4	mg/kg	0.33	††	500	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	1,2,3-Trichlorobenzene	87-61-6	mg/kg	††	††	††	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	1,2,4-Trichlorobenzene	120-82-1	mg/kg	††	3.4	††	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	1,2,4-Trimethylbenzene	95-63-6	mg/kg	3.6	††	190	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	1,2-Dibromo-3-Chloropropane	96-12-8	mg/kg	††	††	††	--	--	0.0045	UJ	0.0042	U	0.0042	UJ	0.0047	U	0.78	U		
	1,2-Dibromoethane	106-93-4	mg/kg	††	††	††	--	--	0.0045	UJ	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	††	500	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	1,2-Dichloroethane	107-06-2	mg/kg	0.02	††	30	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	1,2-Dichloropropane	78-87-5	mg/kg	††	††	††	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	1,3,5-Trimethylbenzene	108-67-8	mg/kg	8.4	††	190	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	††	280	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	††	130	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	1,4-Dioxane	123-91-1	mg/kg	0.1	††	130	--	--	0.18	UJ	0.17	UJ	0.17	UJ	0.19	UJ	31	UJ		
	2-Butanone	78-93-3	mg/kg	0.12	0.3	500	--	--	0.022	UJ	0.021	U	0.021	U	0.024	U	3.9	U		
	2-Hexanone	591-78-6	mg/kg	††	††	††	--	--	0.022	UJ	0.021	U	0.021	UJ	0.024	U	3.9	U		
	2-Nitropropane	79-46-9	mg/kg	††	††	††	--	--	0.022	UJ	0.021	UJ	0.021	UJ	0.024	UJ	3.9	UJ		
	4-Methyl-2-pentanone	108-10-1	mg/kg	††	1	††	--	--	0.022	UJ	0.021	U	0.021	U	0.024	U	3.9	U		
	Acetone	67-64-1	mg/kg	0.05	††	500	--	--	0.022	UJ	0.021	U	0.0053	J	0.024	U	3.9	U		
	Acetonitrile	75-05-8	mg/kg	††	††	††	--	--	0.18	U	0.17	U	0.17	U	0.19	U	31	U		
	Benzene	71-43-2	mg/kg	0.06	††	44	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	Bromochloromethane	74-97-5	mg/kg	††	††	††	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	Bromodichloromethane	75-27-4	mg/kg	††	††	††	--	--	0.0045	UJ	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	Bromoform	75-25-2	mg/kg	††	††	††	--	--	0.0045	UJ	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	Bromomethane	74-83-9	mg/kg	††	††	††	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	Carbon disulfide	75-15-0	mg/kg	††	2.7	††	--	--	0.0045	UJ	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	Carbon tetrachloride	56-23-5	mg/kg	0.76	††	22	--	--	0.0045	UJ	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	Chlorobenzene	108-90-7	mg/kg	1.1	††	500	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	Chlorodifluoromethane	75-45-6	mg/kg	††	††	††	--	--	0.0045	UJ	0.0042	UJ	0.0042	UJ	0.0047	UJ	0.78	UJ		
	Chloroethane	75-00-3	mg/kg	††	1.9	††	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	Chloroform	67-66-3	mg/kg	0.37	††	350	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	Chloromethane	74-87-3	mg/kg	††	††	††	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	cis-1,2-Dichloroethene	156-59-2	mg/kg	0.25	††	500	--	--	0.0045	U	0.0042	U	0.0042	U	0.0011	J	0.78	U		
	cis-1,3-Dichloropropene	10061-01-5	mg/kg	††	††	††	--	--	0.0045	UJ	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	Cyclohexane	110-82-7	mg/kg	††	††	††	--	--	0.0045	UJ	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	Cyclohexanone	108-94-1	mg/kg	††	††	††	--	--	0.045	UJ	0.042	UJ	0.042	UJ	0.047	UJ	7.8	UJ		
	Dibromochloromethane	124-48-1	mg/kg	††	††	††	--	--	0.0045	UJ	0.0042	U	0.0042	U	0.0047	U	0.78	U		
	Dichlorodifluoromethane	75-71-8	mg/kg	††	††	††	--	--	0.0045	U	0.0042	U	0.0042	U	0.0076		0.78	U		
	Diethyl ether	60-29-7	mg/kg	††	††	††	--	--	0.022	UJ	0.021	UJ	0.021	UJ	0.024	UJ	3.9	UJ		
	Ethyl acetate	141-78-6	mg/kg	††	††	††	--	--	0.0045	UJ	0.0042	UJ	0.0042	UJ	0.0047	UJ	0.78	UJ		
	Ethylbenzene	100-41-4	mg/kg	1	††	390	--	--	0.0045	UJ	0.0042	U	0.0042	U	0.0047	U	0.78	U		

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		BLD 43-1		BLD 43-1		BLD 45-1		BLD 46-1		BLD 56-1		BLD 62-1(1)					
							Sample Date		Sample ID		Depth Interval		7/30/2013 12:00		7/30/2013 12:00		7/24/2013 16:00		7/31/2013 15:50		8/7/2013 16:00		7/30/2013 17:00	
													TMW-BLD431 (6-10)(073013)		TMW-BLD431 (6-8)(073013)		TMW-BLD451 (6-8)(072413)		TMW-BLD46-1- (6-8)(073113)		TMW-BLD561 (4-6)(080713)		MW-BLD621 (28-30)(073013)	
							Result		Qual		Result		Qual		Result		Qual		Result		Qual		Result	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual				
VOCs Method SW8260B/C (Cont.)	Isobutanol	78-83-1	mg/kg	††	††	††	--	--	0.18	UJ	0.17	UJ	0.17	UJ	0.19	UJ	31	UJ						
	Isopropylbenzene	98-82-8	mg/kg	††	2.3	††	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U						
	m&p-Xylene	179601-23-1	mg/kg	††	††	††	--	--	0.0089	U	0.0084	U	0.0084	U	0.0094	U	1.6	U						
	Methyl acetate	79-20-9	mg/kg	††	††	††	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U						
	Methyl tert-butyl ether	1634-04-4	mg/kg	0.93	††	500	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U						
	Methylcyclohexane	108-87-2	mg/kg	††	††	††	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U						
	Methylene Chloride	75-09-2	mg/kg	0.05	††	500	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	67							
	Naphthalene	91-20-3	mg/kg	12	††	500	--	--	0.0045	U	0.0042	U	0.0016	J	0.0018	J	0.78	U						
	n-Butanol	71-36-3	mg/kg	††	††	††	--	--	0.18	UJ	0.17	UJ	0.17	UJ	0.19	UJ	31	UJ						
	n-Butylbenzene	104-51-8	mg/kg	12	††	500	--	--	0.0045	UJ	0.0042	U	0.0042	U	0.0047	U	0.78	U						
	n-Heptane	142-82-5	mg/kg	††	††	††	--	--	0.089	UJ	0.084	UJ	0.084	UJ	0.094	UJ	0.78	UJ						
	n-Hexane	110-54-3	mg/kg	††	††	††	--	--	0.045	UJ	0.042	UJ	0.042	UJ	0.047	UJ	7.8	UJ						
	o-Xylene	95-47-6	mg/kg	††	††	††	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U						
	p-Isopropyltoluene	99-87-6	mg/kg	††	10	††	--	--	0.0045	UJ	0.0042	U	0.0042	U	0.0047	U	0.78	U						
	sec-Butylbenzene	135-98-8	mg/kg	11	††	500	--	--	0.0045	UJ	0.0042	U	0.0042	U	0.0047	U	0.78	U						
	Styrene	100-42-5	mg/kg	††	††	††	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U						
	tert-Butanol	75-65-0	mg/kg	††	††	††	--	--	0.089	UJ	0.084	UJ	0.084	UJ	0.094	UJ	16	UJ						
	tert-Butylbenzene	98-06-6	mg/kg	5.9	††	500	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U						
	Tetrachloroethene	127-18-4	mg/kg	1.3	††	150	--	--	0.0045	U	0.0042	U	0.0042	UB	0.0047	U	0.78	U						
	Tetrahydrofuran	109-99-9	mg/kg	††	††	††	--	--	0.022	U	0.021	U	0.021	U	0.024	U	3.9	U						
	Toluene	108-88-3	mg/kg	0.7	††	500	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U						
	trans-1,2-Dichloroethene	156-60-5	mg/kg	0.19	††	500	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U						
	trans-1,3-Dichloropropene	10061-02-6	mg/kg	††	††	††	--	--	0.0045	UJ	0.0042	U	0.0042	U	0.0047	U	0.78	U						
Trichloroethene	79-01-6	mg/kg	0.47	††	200	--	--	0.0045	U	0.0042	U	0.0042	U	0.0019	J	0.78	U							
Trichlorofluoromethane	75-69-4	mg/kg	††	††	††	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U							
Vinyl chloride	75-01-4	mg/kg	0.02	††	13	--	--	0.0045	U	0.0042	U	0.0042	U	0.0047	U	0.78	U							
Xylenes (total)	1330-20-7	mg/kg	1.6	††	500	--	--	0.0089	U	0.0084	U	0.0084	U	0.0094	U	1.6	U							
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	mg/kg	††	††	††	0.18	UJ	--	--	0.18	U	0.18	U	0.2	U	0.18	U						
	1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	††	††	††	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U						
	2,2'-Oxybis(1-Chloropropane)	108-60-1	mg/kg	††	††	††	0.18	U	--	--	0.18	UJ	0.18	U	0.2	U	0.18	U						
	2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	††	††	††	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U						
	2,4,5-Trichlorophenol	95-95-4	mg/kg	††	0.1	††	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U						
	2,4,6-Trichlorophenol	88-06-2	mg/kg	††	††	††	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U						
	2,4-Dichloropheno	120-83-2	mg/kg	††	0.4	††	0.18	UJ	--	--	0.18	U	0.18	U	0.2	U	0.18	U						
	2,4-Dimethylpheno	105-67-9	mg/kg	††	††	††	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U						
	2,4-Dinitrophenol	51-28-5	mg/kg	††	0.2	††	0.36	U	--	--	0.35	UJ	0.36	U	0.39	U	0.35	U						
	2,4-Dinitrotoluene	121-14-2	mg/kg	††	††	††	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U						
	2,6-Dinitrotoluene	606-20-2	mg/kg	††	0.17	††	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U						
	2-Chloronaphthalene	91-58-7	mg/kg	††	††	††	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U						
	2-Chloropheno	95-57-8	mg/kg	††	††	††	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U						
	2-Methylnaphthalene	91-57-6	mg/kg	††	36.4	††	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U						
	2-Methylpheno	95-48-7	mg/kg	0.33	††	500	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U						
	2-Nitroaniline	88-74-4	mg/kg	††	0.4	††	0.36	UJ	--	--	0.35	U	0.36	U	0.39	U	0.35	U						
	2-Nitrophenol	88-75-5	mg/kg	††	0.3	††	0.18	UJ	--	--	0.18	U	0.18	U	0.2	U	0.18	U						
	3 & 4 Methylpheno	MEPH3MEPH4	mg/kg	††	††	††	0.36	U	--	--	0.35	U	0.36	U	0.39	U	0.35	U						

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		BLD 43-1		BLD 43-1		BLD 45-1		BLD 46-1		BLD 56-1		BLD 62-1(1)	
							Sample Date		7/30/2013 12:00		7/30/2013 12:00		7/24/2013 16:00		7/31/2013 15:50		8/7/2013 16:00		7/30/2013 17:00	
									Sample ID		TMW-BLD431 (6-10)(073013)		TMW-BLD431 (6-8)(073013)		TMW-BLD451 (6-8)(072413)		TMW-BLD46-1 (6-8)(073113)		TMW-BLD561 (4-6)(080713)	
							Depth Interval		6 - 10 ft		6 - 8 ft		6 - 8 ft		6 - 8 ft		4 - 6 ft		28 - 30 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
SVOCs Method SW8270C/D (Cont.)	3,3'-Dichlorobenzidine	91-94-1	mg/kg	††	††	††	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U		
	3-Nitroaniline	99-09-2	mg/kg	††	0.5	††	0.36	U	--	--	0.35	UJ	0.36	U	0.39	U	0.35	U		
	4,6-Dinitro-2-methylpheno	534-52-1	mg/kg	††	††	††	0.36	U	--	--	0.35	U	0.36	U	0.39	U	0.35	U		
	4-Bromophenyl phenyl ethe	101-55-3	mg/kg	††	††	††	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U		
	4-Chloro-3-methylpheno	59-50-7	mg/kg	††	††	††	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U		
	4-Chloroaniline	106-47-8	mg/kg	††	0.22	††	0.18	UJ	--	--	0.18	U	0.18	U	0.2	U	0.18	U		
	4-Chlorophenyl phenyl ethe	7005-72-3	mg/kg	††	††	††	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U		
	4-Methylpheno	106-44-5	mg/kg	0.33	††	500	0.36	U	--	--	0.35	U	0.36	U	0.39	U	0.35	U		
	4-Nitroaniline	100-01-6	mg/kg	††	††	††	0.36	UJ	--	--	0.35	UJ	0.36	U	0.39	U	0.35	U		
	4-Nitrophenol	100-02-7	mg/kg	††	0.1	††	0.36	U	--	--	0.35	UJ	0.36	U	0.39	U	0.35	U		
	Acenaphthene	83-32-9	mg/kg	98	††	500	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U		
	Acenaphthylene	208-96-8	mg/kg	107	††	500	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U		
	Acetophenone	98-86-2	mg/kg	††	††	††	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U		
	Aniline	62-53-3	mg/kg	††	0.33	††	0.36	U	--	--	0.35	U	0.36	U	0.39	U	0.35	U		
	Anthracene	120-12-7	mg/kg	1,000	††	500	0.18	U	--	--	0.18	U	0.023	J	0.2	U	0.18	U		
	Atrazine	1912-24-9	mg/kg	††	††	††	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U		
	Benzaldehyde	100-52-7	mg/kg	††	††	††	0.18	U	--	--	--	R	0.18	U	--	R	--	R		
	Benzo(a)anthracene	56-55-3	mg/kg	1	††	5.6	0.18	U	--	--	0.18	U	0.05	J	0.2	U	0.18	U		
	Benzo(a)pyrene	50-32-8	mg/kg	22	††	1	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U		
	Benzo(b)fluoranthene	205-99-2	mg/kg	1.7	††	5.6	0.18	U	--	--	0.18	U	0.052	J	0.2	U	0.18	U		
	Benzo(g,h,i)perylene	191-24-2	mg/kg	1,000	††	500	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U		
	Benzo(k)fluoranthene	207-08-9	mg/kg	1.7	††	56	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U		
	Benzyl alcoho	100-51-6	mg/kg	††	††	††	0.36	U	--	--	0.35	UJ	0.36	U	0.39	U	0.35	U		
	Bis(2-chloroethoxy)methane	111-91-1	mg/kg	††	††	††	0.18	UJ	--	--	0.18	U	0.18	U	0.2	U	0.18	U		
	Bis(2-chloroethyl)ether	111-44-4	mg/kg	††	††	††	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U		
	Bis(2-ethylhexyl) phthalate	117-81-7	mg/kg	††	435	††	0.28	--	--	--	0.18	U	0.39	--	0.12	J	0.18	U		
	Butyl benzyl phthalate	85-68-7	mg/kg	††	122	††	0.18	U	--	--	0.18	U	0.099	J	0.2	U	0.18	U		
	Caprolactam	105-60-2	mg/kg	††	††	††	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U		
	Carbazole	86-74-8	mg/kg	††	††	††	0.18	U	--	--	0.18	U	0.012	J	0.2	U	0.18	U		
	Chrysene	218-01-9	mg/kg	1	††	56	0.18	U	--	--	0.18	U	0.039	J	0.2	U	0.18	U		
	Dibenz(a,h)anthracene	53-70-3	mg/kg	1,000	††	0.56	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U		
	Dibenzofuran	132-64-9	mg/kg	210	6.2	350	0.18	UJ	--	--	0.18	U	0.18	U	0.2	U	0.18	U		
	Dicyclohexylamine	101-83-7	mg/kg	††	††	††	0.18	UJ	--	--	0.18	UJ	0.18	UJ	0.2	UJ	0.18	UJ		
	Diethyl phthalate	84-66-2	mg/kg	††	7.1	††	0.18	UJ	--	--	0.18	U	0.18	U	0.2	U	0.18	U		
	Dimethyl phthalate	131-11-3	mg/kg	††	27	††	0.18	UJ	--	--	0.18	U	0.18	U	0.2	U	0.18	U		
	Di-n-butyl phthalate	84-74-2	mg/kg	††	8.1	††	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U		
	Di-n-octyl phthalate	117-84-0	mg/kg	††	120	††	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U		
	Fluoranthene	206-44-0	mg/kg	1,000	††	500	0.03	J	--	--	0.18	U	0.092	J	0.2	U	0.18	U		
	Fluorene	86-73-7	mg/kg	386	††	500	0.18	UJ	--	--	0.18	U	0.0091	J	0.2	U	0.18	U		
	Hexachlorobenzene	118-74-1	mg/kg	3.2	1.4	6	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U		
Hexachlorobutadiene	87-68-3	mg/kg	††	††	††	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U			
Hexachlorocyclopentadiene	77-47-4	mg/kg	††	††	††	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U			
Hexachloroethane	67-72-1	mg/kg	††	††	††	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U			
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	8.2	††	5.6	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U			
Isophorone	78-59-1	ma/kg	††	4.4	††	0.18	UJ	--	--	0.18	U	0.18	U	0.2	U	0.18	U			

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		BLD 43-1		BLD 43-1		BLD 45-1		BLD 46-1		BLD 56-1		BLD 62-1(1)	
							Sample Date		7/30/2013 12:00		7/30/2013 12:00		7/24/2013 16:00		7/31/2013 15:50		8/7/2013 16:00		7/30/2013 17:00	
							Sample ID		TMW-BLD431 (6-10)(073013)		TMW-BLD431 (6-8)(073013)		TMW-BLD451 (6-8)(072413)		TMW-BLD46-1- (6-8)(073113)		TMW-BLD561 (4-6)(080713)		MW-BLD621 (28-30)(073013)	
							Depth Interval		6 - 10 ft		6 - 8 ft		6 - 8 ft		6 - 8 ft		4 - 6 ft		28 - 30 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	n,n-Dimethylaniline	121-69-7	mg/kg	††	††	††	0.18	UJ	--	--	0.18	UJ	0.18	UJ	0.2	UJ	0.18	UJ	0.18	UJ
	Naphthalene	91-20-3	mg/kg	12	††	500	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U
	Nitrobenzene	98-95-3	mg/kg	††	0.17	††	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U
	N-Nitroso-di-n-propylamine	621-64-7	mg/kg	††	††	††	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U
	N-Nitrosodiphenylamine	86-30-6	mg/kg	††	††	††	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U
	Pentachloropheno	87-86-5	mg/kg	0.8	††	6.7	0.36	U	--	--	0.35	U	0.36	U	0.39	U	0.35	U	0.35	U
	Phenanthrene	85-01-8	mg/kg	1,000	††	500	0.021	J	--	--	0.18	U	0.093	J	0.2	UB	0.18	U	0.18	U
	Phenol	108-95-2	mg/kg	0.33	††	500	0.18	U	--	--	0.18	U	0.18	U	0.2	U	0.18	U	0.18	U
	Pyrene	129-00-0	mg/kg	1,000	††	500	0.18	U	--	--	0.18	U	0.098	J	0.2	U	0.18	U	0.18	U
	Pyridine	110-86-1	mg/kg	††	††	††	0.36	U	--	--	0.35	UJ	0.36	U	0.39	U	0.35	U	0.35	U
	Triethylamine	121-44-8	mg/kg	††	††	††	0.36	UJ	--	--	0.35	UJ	0.36	UJ	0.39	UJ	0.35	UJ	0.35	UJ
TPH Method SW8015B/D	Ethanol	64-17-5	mg/kg	††	††	††	1.1	U	--	--	1	U	1.1	U	1.2	U	1.1	U	1.1	U
	Ethylene glyco	107-21-1	mg/kg	††	††	††	5.4	U	--	--	5.3	U	5.4	U	5.8	U	5.3	U	5.3	U
	Isobutanol	78-83-1	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Isopropyl alcohol	67-63-0	mg/kg	††	††	††	1.1	U	--	--	1	U	1.1	U	1.2	U	1.1	U	1.1	U
	Methanol	67-56-1	mg/kg	††	††	††	1.1	U	--	--	0.34	J	1.1	U	0.44	J	0.37	J	0.37	J
	Propylene glycol	57-55-6	mg/kg	††	††	††	5.4	U	--	--	5.3	U	5.4	U	5.8	U	5.3	U	5.3	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		BLD 68-1		CHP43RX		DS 1-1		DS 2-1		DS 2-2		DS 2-2 ⁽¹⁾					
							Sample Date		Sample ID		Depth Interval		8/6/2013 9:00		8/6/2013 12:00		8/1/2013 8:32		7/26/2013 11:00		7/25/2013 16:30		7/25/2013 16:30	
													TMW-BLD68-1 (2-4)(080613)		MW-CHP43RX (26.4-28)(080613)		DS1-1 (10-12)(080113)		TMW-DS21 (2-4)(072613)		TMW-DS22 (4-6.3)(072513)		TMW-DS22 (6.3-8)(072513)	
							Result		Qual		Result		Qual		Result		Qual		Result		Qual		Result	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual				
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	††	500	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	††	0.6	††	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	mg/kg	††	6	††	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	1,1,2-Trichloroethane	79-00-5	mg/kg	††	††	††	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	1,1-Dichloroethane	75-34-3	mg/kg	0.27	††	240	0.0036	U	0.0047	--	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	1,1-Dichloroethene	75-35-4	mg/kg	0.33	††	500	0.0036	U	0.022	--	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	1,2,3-Trichlorobenzene	87-61-6	mg/kg	††	††	††	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	1,2,4-Trichlorobenzene	120-82-1	mg/kg	††	3.4	††	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	1,2,4-Trimethylbenzene	95-63-6	mg/kg	3.6	††	190	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	1,2-Dibromo-3-Chloropropane	96-12-8	mg/kg	††	††	††	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	1,2-Dibromoethane	106-93-4	mg/kg	††	††	††	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	††	500	0.0036	U	0.0018	J	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	1,2-Dichloroethane	107-06-2	mg/kg	0.02	††	30	0.0036	U	0.001	J	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	1,2-Dichloropropane	78-87-5	mg/kg	††	††	††	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	1,3,5-Trimethylbenzene	108-67-8	mg/kg	8.4	††	190	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	††	280	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	††	130	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	1,4-Dioxane	123-91-1	mg/kg	0.1	††	130	0.14	UJ	0.18	UJ	0.19	UJ	0.19	UJ	0.26	UJ	--	--	--	--				
	2-Butanone	78-93-3	mg/kg	0.12	0.3	500	0.018	U	0.0057	J	0.0062	J	0.023	U	0.032	U	--	--	--	--				
	2-Hexanone	591-78-6	mg/kg	††	††	††	0.018	U	0.023	U	0.024	U	0.023	U	0.032	U	--	--	--	--				
	2-Nitropropane	79-46-9	mg/kg	††	††	††	0.018	UJ	0.023	UJ	0.024	UJ	0.023	UJ	0.032	UJ	--	--	--	--				
	4-Methyl-2-pentanone	108-10-1	mg/kg	††	1	††	0.018	U	0.056		0.0049	J	0.023	U	0.032	U	--	--	--	--				
	Acetone	67-64-1	mg/kg	0.05	††	500	0.018	U	0.11		0.029	--	0.023	U	0.032	U	--	--	--	--				
	Acetonitrile	75-05-8	mg/kg	††	††	††	0.14	U	0.18	U	0.19	U	0.19	U	0.26	U	--	--	--	--				
	Benzene	71-43-2	mg/kg	0.06	††	44	0.0036	U	0.0029	J	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	Bromochloromethane	74-97-5	mg/kg	††	††	††	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	Bromodichloromethane	75-27-4	mg/kg	††	††	††	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	Bromoform	75-25-2	mg/kg	††	††	††	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	Bromomethane	74-83-9	mg/kg	††	††	††	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	Carbon disulfide	75-15-0	mg/kg	††	2.7	††	0.0036	U	0.0046	U	0.0029	J	0.0046	U	0.0065	U	--	--	--	--				
	Carbon tetrachloride	56-23-5	mg/kg	0.76	††	22	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	Chlorobenzene	108-90-7	mg/kg	1.1	††	500	0.0036	U	0.0039	J	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	Chlorodifluoromethane	75-45-6	mg/kg	††	††	††	0.0036	UJ	0.0046	UJ	0.0048	UJ	0.0046	UJ	0.0065	UJ	--	--	--	--				
	Chloroethane	75-00-3	mg/kg	††	1.9	††	0.0036	U	0.0043	J	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	Chloroform	67-66-3	mg/kg	0.37	††	350	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	Chloromethane	74-87-3	mg/kg	††	††	††	0.0036	U	0.034		0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	cis-1,2-Dichloroethene	156-59-2	mg/kg	0.25	††	500	0.0036	U	0.0023	J	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	cis-1,3-Dichloropropene	10061-01-5	mg/kg	††	††	††	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	Cyclohexane	110-82-7	mg/kg	††	††	††	0.0036	U	0.028		0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	Cyclohexanone	108-94-1	mg/kg	††	††	††	0.036	UJ	0.046	UJ	0.048	UJ	0.046	UJ	0.065	UJ	--	--	--	--				
	Dibromochloromethane	124-48-1	mg/kg	††	††	††	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	Dichlorodifluoromethane	75-71-8	mg/kg	††	††	††	0.00045	J	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				
	Diethyl ether	60-29-7	mg/kg	††	††	††	0.018	UJ	0.023	UJ	0.024	UJ	0.023	UJ	0.032	UJ	--	--	--	--				
	Ethyl acetate	141-78-6	mg/kg	††	††	††	0.0036	UJ	0.0046	UJ	0.0048	UJ	0.0046	UJ	0.0065	UJ	--	--	--	--				
	Ethylbenzene	100-41-4	mg/kg	1	††	390	0.0036	U	0.0011	J	0.0048	U	0.0046	U	0.0065	U	--	--	--	--				

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Location Sample Date		Sample ID		Depth Interval		BLD 68-1		CHP43RX		DS 1-1		DS 2-1		DS 2-2		DS 2-2 ⁽¹⁾	
							8/6/2013 9:00		8/6/2013 12:00		8/1/2013 8:32		7/26/2013 11:00		7/26/2013 11:00		7/25/2013 16:30		7/25/2013 16:30		7/25/2013 16:30		7/25/2013 16:30	
							TMW-BLD68-1 (2-4)(080613)		MW-CHP43RX (26.4-28)(080613)		DS1-1 (10-12)(080113)		TMW-DS21 (2-4)(072613)		TMW-DS22 (4-6.3)(072513)		TMW-DS22 (4-6.3)(072513)		TMW-DS22 (6.3-8)(072513)		TMW-DS22 (6.3-8)(072513)		TMW-DS22 (6.3-8)(072513)	
							2 - 4 ft		26.4 - 28 ft		10 - 12 ft		2 - 4 ft		4 - 6.3 ft		4 - 6.3 ft		6.3 - 8 ft		6.3 - 8 ft		6.3 - 8 ft	
							Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Isobutanol	78-83-1	mg/kg	††	††	††	0.14	UJ	0.18	UJ	0.19	UJ	0.19	UJ	0.26	UJ	--	--	--	--	--	--	--	--
	Isopropylbenzene	98-82-8	mg/kg	††	2.3	††	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--	--	--	--	--
	m&p-Xylene	179601-23-1	mg/kg	††	††	††	0.0072	U	0.00092	J	0.0095	U	0.0093	U	0.013	U	--	--	--	--	--	--	--	--
	Methyl acetate	79-20-9	mg/kg	††	††	††	0.0036	U	0.018		0.0048	U	0.0046	U	0.0065	U	--	--	--	--	--	--	--	--
	Methyl tert-butyl ether	1634-04-4	mg/kg	0.93	††	500	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--	--	--	--	--
	Methylcyclohexane	108-87-2	mg/kg	††	††	††	0.0036	U	0.00087	J	0.0048	U	0.0046	U	0.0065	U	--	--	--	--	--	--	--	--
	Methylene Chloride	75-09-2	mg/kg	0.05	††	500	0.0036	U	1.600	D	0.0048	U	0.0046	U	0.0065	U	--	--	--	--	--	--	--	--
	Naphthalene	91-20-3	mg/kg	12	††	500	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--	--	--	--	--
	n-Butanol	71-36-3	mg/kg	††	††	††	0.14	UJ	0.18	UJ	0.19	UJ	0.19	UJ	0.26	UJ	--	--	--	--	--	--	--	--
	n-Butylbenzene	104-51-8	mg/kg	12	††	500	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--	--	--	--	--
	n-Heptane	142-82-5	mg/kg	††	††	††	0.072	UJ	0.006	J	0.095	UJ	0.093	UJ	0.13	UJ	--	--	--	--	--	--	--	--
	n-Hexane	110-54-3	mg/kg	††	††	††	0.036	UJ	0.046	UJ	0.048	UJ	0.046	UJ	0.065	UJ	--	--	--	--	--	--	--	--
	o-Xylene	95-47-6	mg/kg	††	††	††	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--	--	--	--	--
	p-Isopropyltoluene	99-87-6	mg/kg	††	10	††	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--	--	--	--	--
	sec-Butylbenzene	135-98-8	mg/kg	11	††	500	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--	--	--	--	--
	Styrene	100-42-5	mg/kg	††	††	††	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--	--	--	--	--
	tert-Butanol	75-65-0	mg/kg	††	††	††	0.072	UJ	0.091	UJ	0.095	UJ	0.093	UJ	0.13	UJ	--	--	--	--	--	--	--	--
	tert-Butylbenzene	98-06-6	mg/kg	5.9	††	500	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--	--	--	--	--
	Tetrachloroethene	127-18-4	mg/kg	1.3	††	150	0.0036	U	0.013		0.0048	UB	0.0046	U	0.0065	U	--	--	--	--	--	--	--	--
	Tetrahydrofuran	109-99-9	mg/kg	††	††	††	0.018	U	0.023	U	0.024	U	0.023	U	0.032	U	--	--	--	--	--	--	--	--
	Toluene	108-88-3	mg/kg	0.7	††	500	0.0036	U	0.0093		0.0048	U	0.0046	U	0.0065	U	--	--	--	--	--	--	--	--
	trans-1,2-Dichloroethene	156-60-5	mg/kg	0.19	††	500	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--	--	--	--	--
	trans-1,3-Dichloropropene	10061-02-6	mg/kg	††	††	††	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--	--	--	--	--
	Trichloroethene	79-01-6	mg/kg	0.47	††	200	0.0036	U	0.0062		0.0048	U	0.0046	U	0.0065	U	--	--	--	--	--	--	--	--
	Trichlorofluoromethane	75-69-4	mg/kg	††	††	††	0.0036	U	0.0046	U	0.0048	U	0.0046	U	0.0065	U	--	--	--	--	--	--	--	--
	Vinyl chloride	75-01-4	mg/kg	0.02	††	13	0.0036	U	0.0019	J	0.0048	U	0.0046	U	0.0065	U	--	--	--	--	--	--	--	--
	Xylenes (total)	1330-20-7	mg/kg	1.6	††	500	0.0072	U	0.00092	J	0.0095	U	0.0093	U	0.013	U	--	--	--	--	--	--	--	--
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	mg/kg	††	††	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U	--	--	--	--	--	--	--	--
	1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	††	††	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U	--	--	--	--	--	--	--	--
	2,2'-Oxybis(1-Chloropropane)	108-60-1	mg/kg	††	††	††	0.18	U	0.2	U	0.19	U	0.18	UJ	0.2	UJ	--	--	--	--	--	--	--	--
	2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	††	††	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U	--	--	--	--	--	--	--	--
	2,4,5-Trichlorophenol	95-95-4	mg/kg	††	0.1	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U	--	--	--	--	--	--	--	--
	2,4,6-Trichlorophenol	88-06-2	mg/kg	††	††	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U	--	--	--	--	--	--	--	--
	2,4-Dichloropheno	120-83-2	mg/kg	††	0.4	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U	--	--	--	--	--	--	--	--
	2,4-Dimethylpheno	105-67-9	mg/kg	††	††	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U	--	--	--	--	--	--	--	--
	2,4-Dinitrophenol	51-28-5	mg/kg	††	0.2	††	0.35	U	0.39	U	0.37	U	0.34	UJ	0.39	UJ	--	--	--	--	--	--	--	--
	2,4-Dinitrotoluene	121-14-2	mg/kg	††	††	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U	--	--	--	--	--	--	--	--
	2,6-Dinitrotoluene	606-20-2	mg/kg	††	0.17	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U	--	--	--	--	--	--	--	--
	2-Chloronaphthalene	91-58-7	mg/kg	††	††	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U	--	--	--	--	--	--	--	--
	2-Chloropheno	95-57-8	mg/kg	††	††	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U	--	--	--	--	--	--	--	--
	2-Methylnaphthalene	91-57-6	mg/kg	††	36.4	††	0.0046	J	0.2	U	0.19	U	0.18	U	0.2	U	--	--	--	--	--	--	--	--
	2-Methylpheno	95-48-7	mg/kg	0.33	††	500	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U	--	--	--	--	--	--	--	--
	2-Nitroaniline	88-74-4	mg/kg	††	0.4	††	0.35	U	0.39	U	0.37	U	0.34	U	0.39	U	--	--	--	--	--	--	--	--
	2-Nitrophenol	88-75-5	mg/kg	††	0.3	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U	--	--	--	--	--	--	--	--
	3 & 4 Methylpheno	MEPH3MEPH4	mg/kg	††	††	††	0.35	U	0.017	J	0.37	U	0.34	U	0.39	U	--	--	--	--	--	--	--	--

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		BLD 68-1	CHP43RX	DS 1-1	DS 2-1	DS 2-2	DS 2-2 ⁽¹⁾		
							Sample Date		8/6/2013 9:00	8/6/2013 12:00	8/1/2013 8:32	7/26/2013 11:00	7/25/2013 16:30	7/25/2013 16:30		
							Sample ID		TMW-BLD68-1 (2-4)(080613)	MW-CHP43RX (26.4-28)(080613)	DS1-1 (10-12)(080113)	TMW-DS21 (2-4)(072613)	TMW-DS22 (4-6.3)(072513)	TMW-DS22 (6.3-8)(072513)		
							Depth Interval		2 - 4 ft	26.4 - 28 ft	10 - 12 ft	2 - 4 ft	4 - 6.3 ft	6.3 - 8 ft		
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	3,3'-Dichlorobenzidine	91-94-1	mg/kg	††	††	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U
	3-Nitroaniline	99-09-2	mg/kg	††	0.5	††	0.35	U	0.39	U	0.37	U	0.34	U	0.39	U
	4,6-Dinitro-2-methylpheno	534-52-1	mg/kg	††	††	††	0.35	U	0.39	U	0.37	U	0.34	U	0.39	U
	4-Bromophenyl phenyl ethe	101-55-3	mg/kg	††	††	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U
	4-Chloro-3-methylpheno	59-50-7	mg/kg	††	††	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U
	4-Chloroaniline	106-47-8	mg/kg	††	0.22	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U
	4-Chlorophenyl phenyl ethe	7005-72-3	mg/kg	††	††	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U
	4-Methylpheno	106-44-5	mg/kg	0.33	††	500	0.35	U	0.017	J	0.37	U	0.34	U	0.39	U
	4-Nitroaniline	100-01-6	mg/kg	††	††	††	0.35	U	0.39	U	0.37	U	0.34	UJ	0.39	UJ
	4-Nitrophenol	100-02-7	mg/kg	††	0.1	††	0.35	U	0.39	U	0.37	U	0.34	UJ	0.39	UJ
	Acenaphthene	83-32-9	mg/kg	98	††	500	0.0094	J	0.2	U	0.19	U	0.18	U	0.2	U
	Acenaphthylene	208-96-8	mg/kg	107	††	500	0.0041	J	0.2	U	0.19	U	0.18	U	0.2	U
	Acetophenone	98-86-2	mg/kg	††	††	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U
	Aniline	62-53-3	mg/kg	††	0.33	††	0.35	U	0.39	U	0.37	U	0.34	U	0.39	U
	Anthracene	120-12-7	mg/kg	1,000	††	500	0.011	J	0.2	U	0.0074	J	0.18	U	0.2	U
	Atrazine	1912-24-9	mg/kg	††	††	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U
	Benzaldehyde	100-52-7	mg/kg	††	††	††	0.047	J		R	0.19	U		R		
	Benzo(a)anthracene	56-55-3	mg/kg	1	††	5.6	0.04	J	0.2	U	0.19	U	0.18	U	0.2	U
	Benzo(a)pyrene	50-32-8	mg/kg	22	††	1	0.031	J	0.2	U	0.1	J	0.18	U	0.2	U
	Benzo(b)fluoranthene	205-99-2	mg/kg	1.7	††	5.6	0.044	J	0.2	U	0.11	J	0.18	U	0.2	U
	Benzo(g,h,i)perylene	191-24-2	mg/kg	1,000	††	500	0.18	U	0.2	U	0.13	J	0.18	U	0.2	U
	Benzo(k)fluoranthene	207-08-9	mg/kg	1.7	††	56	0.024	J	0.2	U	0.098	J	0.18	U	0.2	U
	Benzyl alcoho	100-51-6	mg/kg	††	††	††	0.35	U	0.39	U	0.37	U	0.34	UJ	0.39	UJ
	Bis(2-chloroethoxy)methane	111-91-1	mg/kg	††	††	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U
	Bis(2-chloroethyl)ether	111-44-4	mg/kg	††	††	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U
	Bis(2-ethylhexyl) phthalate	117-81-7	mg/kg	††	435	††	0.099	J	0.23		0.21		0.26		0.6	
	Butyl benzyl phthalate	85-68-7	mg/kg	††	122	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U
	Caprolactam	105-60-2	mg/kg	††	††	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U
	Carbazole	86-74-8	mg/kg	††	††	††	0.0086	J	0.2	U	0.19	U	0.18	U	0.2	U
	Chrysene	218-01-9	mg/kg	1	††	56	0.036	J	0.2	U	0.018	J	0.18	U	0.2	U
	Dibenz(a,h)anthracene	53-70-3	mg/kg	1,000	††	0.56	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U
	Dibenzofuran	132-64-9	mg/kg	210	6.2	350	0.004	J	0.2	U	0.19	U	0.18	U	0.2	U
	Dicyclohexylamine	101-83-7	mg/kg	††	††	††	0.18	UJ	0.2	UJ	0.19	UJ	0.18	UJ	0.2	UJ
	Diethyl phthalate	84-66-2	mg/kg	††	7.1	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U
	Dimethyl phthalate	131-11-3	mg/kg	††	27	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U
	Di-n-butyl phthalate	84-74-2	mg/kg	††	8.1	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U
	Di-n-octyl phthalate	117-84-0	mg/kg	††	120	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U
	Fluoranthene	206-44-0	mg/kg	1,000	††	500	0.053	J	0.0081	J	0.04	J	0.18	U	0.2	U
	Fluorene	86-73-7	mg/kg	386	††	500	0.0062	J	0.2	U	0.19	U	0.18	U	0.2	U
	Hexachlorobenzene	118-74-1	mg/kg	3.2	1.4	6	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U
	Hexachlorobutadiene	87-68-3	mg/kg	††	††	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U
	Hexachlorocyclopentadiene	77-47-4	mg/kg	††	††	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U
	Hexachloroethane	67-72-1	mg/kg	††	††	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U
	Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	8.2	††	5.6	0.021	J	0.2	U	0.24		0.18	U	0.2	U
	Isophorone	78-59-1	mg/kg	††	4.4	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		BLD 68-1		CHP43RX		DS 1-1		DS 2-1		DS 2-2		DS 2-2 ⁽¹⁾	
							Sample Date		8/6/2013 9:00		8/6/2013 12:00		8/1/2013 8:32		7/26/2013 11:00		7/25/2013 16:30		7/25/2013 16:30	
							Sample ID		TMW-BLD68-1 (2-4)(080613)		MW-CHP43RX (26.4-28)(080613)		DS1-1 (10-12)(080113)		TMW-DS21 (2-4)(072513)		TMW-DS22 (4-6.3)(072513)		TMW-DS22 (6.3-8)(072513)	
							Depth Interval		2 - 4 ft		26.4 - 28 ft		10 - 12 ft		2 - 4 ft		4 - 6.3 ft		6.3 - 8 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
SVOCs Method SW8270C/D (Cont.)	n,n-Dimethylaniline	121-69-7	mg/kg	††	††	††	0.18	UJ	0.2	UJ	0.19	UJ	0.18	UJ	0.2	UJ	--	--		
	Naphthalene	91-20-3	mg/kg	12	††	500	0.0073	J	0.0045	J	0.19	U	0.18	U	0.2	U	--	--		
	Nitrobenzene	98-95-3	mg/kg	††	0.17	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U	--	--		
	N-Nitroso-di-n-propylamine	621-64-7	mg/kg	††	††	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U	--	--		
	N-Nitrosodiphenylamine	86-30-6	mg/kg	††	††	††	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U	--	--		
	Pentachloropheno	87-86-5	mg/kg	0.8	††	6.7	0.35	U	0.39	U	0.37	U	0.34	U	0.39	U	--	--		
	Phenanthrene	85-01-8	mg/kg	1,000	††	500	0.038	J	0.2	UB	0.018	J	0.18	U	0.2	U	--	--		
	Phenol	108-95-2	mg/kg	0.33	††	500	0.18	U	0.2	U	0.19	U	0.18	U	0.2	U	--	--		
	Pyrene	129-00-0	mg/kg	1,000	††	500	0.047	J	0.0052	J	0.054	J	0.18	U	0.2	U	--	--		
	Pyridine	110-86-1	mg/kg	††	††	††	0.35	U	0.39	U	0.37	U	0.34	UJ	0.39	UJ	--	--		
Triethylamine	121-44-8	mg/kg	††	††	††	0.35	UJ	0.39	UJ	0.37	UJ	0.34	UJ	0.39	UJ	--	--			
TPH Method SW8015B/D	Ethanol	64-17-5	mg/kg	††	††	††	1	U	1.1	U	1.1	U	1	U	1.2	U	--	--		
	Ethylene glyco	107-21-1	mg/kg	††	††	††	5	U	5.8	U	5.7	U	5.1	U	5.9	U	--	--		
	Isobutanol	78-83-1	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--		
	Isopropyl alcohol	67-63-0	mg/kg	††	††	††	1	U	1.1	U	1.1	U	1	U	1.2	U	--	--		
	Methanol	67-56-1	mg/kg	††	††	††	0.35	J	2.3		0.68	J	1	U	1.4	--	--	--		
	Propylene glycol	57-55-6	ma/ka	††	††	††	5	U	5.8	U	5.7	U	5.1	U	5.9	U	--	--		

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		DS 2-3		DS 2-4		PAN 1-1 ⁽¹⁾		PAN 1-2		PAS 1-1	
							Sample Date		7/26/2013 14:00		7/29/2013 15:00		7/16/2013 15:00		7/17/2013 13:00		7/18/2013 14:00	
							Sample ID		TMW-DS23 (2.4-4)(072613)		SB-DS24 (6.3-8.9)(072913)		TMW-PAN 1-1 (20-22)(071613)		SB-PAN1-2 (28-29)(071713)		TMW-PAS-1-1 (31-32)(071813)	
							Depth Interval		2.4 - 4 ft		6.3 - 8.9 ft		20 - 22 ft		28 - 29 ft		31 - 32 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	††	500	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	††	0.6	††	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	mg/kg	††	6	††	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	1,1,2-Trichloroethane	79-00-5	mg/kg	††	††	††	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	1,1-Dichloroethane	75-34-3	mg/kg	0.27	††	240	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	1,1-Dichloroethene	75-35-4	mg/kg	0.33	††	500	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	1,2,3-Trichlorobenzene	87-61-6	mg/kg	††	††	††	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	1,2,4-Trichlorobenzene	120-82-1	mg/kg	††	3.4	††	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	1,2,4-Trimethylbenzene	95-63-6	mg/kg	3.6	††	190	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	1,2-Dibromo-3-Chloropropane	96-12-8	mg/kg	††	††	††	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	1,2-Dibromoethane	106-93-4	mg/kg	††	††	††	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	††	500	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	1,2-Dichloroethane	107-06-2	mg/kg	0.02	††	30	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	1,2-Dichloropropane	78-87-5	mg/kg	††	††	††	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	1,3,5-Trimethylbenzene	108-67-8	mg/kg	8.4	††	190	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	††	280	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	††	130	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	1,4-Dioxane	123-91-1	mg/kg	0.1	††	130	0.18	UJ	0.17	UJ	0.16	UJ	0.18	UJ	0.19	UJ		
	2-Butanone	78-93-3	mg/kg	0.12	0.3	500	0.022	U	0.022	U	0.02	U	0.023	U	0.024	U		
	2-Hexanone	591-78-6	mg/kg	††	††	††	0.022	U	0.022	U	0.02	U	0.023	U	0.024	U		
	2-Nitropropane	79-46-9	mg/kg	††	††	††	0.022	UJ	0.022	UJ	0.02	UJ	0.023	UJ	0.024	UJ		
	4-Methyl-2-pentanone	108-10-1	mg/kg	††	1	††	0.022	U	0.022	U	0.02	U	0.023	U	0.024	U		
	Acetone	67-64-1	mg/kg	0.05	††	500	0.022	U	0.022	U	0.02	U	0.0046	J	0.0047	J		
	Acetonitrile	75-05-8	mg/kg	††	††	††	0.18	U	0.17	U	0.16	U	0.18	U	0.19	U		
	Benzene	71-43-2	mg/kg	0.06	††	44	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	Bromochloromethane	74-97-5	mg/kg	††	††	††	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	Bromodichloromethane	75-27-4	mg/kg	††	††	††	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	Bromoform	75-25-2	mg/kg	††	††	††	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	Bromomethane	74-83-9	mg/kg	††	††	††	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	Carbon disulfide	75-15-0	mg/kg	††	2.7	††	0.0044	U	0.0043	UJ	0.004	U	0.0045	U	0.0048	U		
	Carbon tetrachloride	56-23-5	mg/kg	0.76	††	22	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	Chlorobenzene	108-90-7	mg/kg	1.1	††	500	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	Chlorodifluoromethane	75-45-6	mg/kg	††	††	††	0.0044	UJ	0.0043	UJ	0.004	UJ	0.0045	UJ	0.0048	UJ		
	Chloroethane	75-00-3	mg/kg	††	1.9	††	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	Chloroform	67-66-3	mg/kg	0.37	††	350	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	Chloromethane	74-87-3	mg/kg	††	††	††	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	cis-1,2-Dichloroethene	156-59-2	mg/kg	0.25	††	500	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	cis-1,3-Dichloropropene	10061-01-5	mg/kg	††	††	††	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	Cyclohexane	110-82-7	mg/kg	††	††	††	0.0044	U	0.0043	UJ	0.004	U	0.0045	U	0.0048	U		
	Cyclohexanone	108-94-1	mg/kg	††	††	††	0.044	UJ	0.043	UJ	0.04	UJ	0.045	UJ	0.048	UJ		
	Dibromochloromethane	124-48-1	mg/kg	††	††	††	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	Dichlorodifluoromethane	75-71-8	mg/kg	††	††	††	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	Diethyl ether	60-29-7	mg/kg	††	††	††	0.022	UJ	0.022	UJ	0.02	UJ	0.023	UJ	0.024	UJ		
	Ethyl acetate	141-78-6	mg/kg	††	††	††	0.0044	UJ	0.0043	UJ	0.004	UJ	0.0045	UJ	0.0048	UJ		
	Ethylbenzene	100-41-4	mg/kg	1	††	390	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		DS 2-3		DS 2-4		PAN 1-1 ⁽¹⁾		PAN 1-2		PAS 1-1	
							Sample Date		7/26/2013 14:00		7/29/2013 15:00		7/16/2013 15:00		7/17/2013 13:00		7/18/2013 14:00	
							Sample ID		TMW-DS23 (2.4-4)(072613)		SB-DS24 (6.3-8.9)(072913)		TMW-PAN 1-1 (20-22)(071613)		SB-PAN1-2 (28-29)(071713)		TMW-PAS-1-1 (31-32)(071813)	
							Depth Interval		2.4 - 4 ft		6.3 - 8.9 ft		20 - 22 ft		28 - 29 ft		31 - 32 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Isobutanol	78-83-1	mg/kg	††	††	††	0.18	UJ	0.17	UJ	0.16	UJ	0.18	UJ	0.19	UJ		
	Isopropylbenzene	98-82-8	mg/kg	††	2.3	††	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	m&p-Xylene	179601-23-1	mg/kg	††	††	††	0.0088	U	0.0087	U	0.0079	U	0.009	U	0.0097	U		
	Methyl acetate	79-20-9	mg/kg	††	††	††	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	Methyl tert-butyl ether	1634-04-4	mg/kg	0.93	††	500	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	Methylcyclohexane	108-87-2	mg/kg	††	††	††	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	Methylene Chloride	75-09-2	mg/kg	0.05	††	500	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	Naphthalene	91-20-3	mg/kg	12	††	500	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	n-Butanol	71-36-3	mg/kg	††	††	††	0.18	UJ	0.17	UJ	0.16	UJ	0.18	UJ	0.19	UJ		
	n-Butylbenzene	104-51-8	mg/kg	12	††	500	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	n-Heptane	142-82-5	mg/kg	††	††	††	0.088	UJ	0.087	UJ	0.079	UJ	0.09	UJ	0.097	UJ		
	n-Hexane	110-54-3	mg/kg	††	††	††	0.044	UJ	0.043	UJ	0.04	UJ	0.045	UJ	0.048	UJ		
	o-Xylene	95-47-6	mg/kg	††	††	††	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	p-Isopropyltoluene	99-87-6	mg/kg	††	10	††	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	sec-Butylbenzene	135-98-8	mg/kg	11	††	500	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	Styrene	100-42-5	mg/kg	††	††	††	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	tert-Butanol	75-65-0	mg/kg	††	††	††	0.088	UJ	0.087	UJ	0.079	UJ	0.09	UJ	0.097	UJ		
	tert-Butylbenzene	98-06-6	mg/kg	5.9	††	500	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	Tetrachloroethene	127-18-4	mg/kg	1.3	††	150	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	Tetrahydrofuran	109-99-9	mg/kg	††	††	††	0.022	U	0.022	UJ	0.02	U	0.023	U	0.024	U		
	Toluene	108-88-3	mg/kg	0.7	††	500	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	trans-1,2-Dichloroethene	156-60-5	mg/kg	0.19	††	500	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	trans-1,3-Dichloropropene	10061-02-6	mg/kg	††	††	††	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	Trichloroethene	79-01-6	mg/kg	0.47	††	200	0.0044	U	0.0043	U	0.001	J	0.0045	U	0.0048	U		
	Trichlorofluoromethane	75-69-4	mg/kg	††	††	††	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	Vinyl chloride	75-01-4	mg/kg	0.02	††	13	0.0044	U	0.0043	U	0.004	U	0.0045	U	0.0048	U		
	Xylenes (total)	1330-20-7	mg/kg	1.6	††	500	0.0088	U	0.0087	U	0.0079	U	0.009	U	0.0097	U		
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	mg/kg	††	††	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	††	††	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	2,2'-Oxybis(1-Chloropropane)	108-60-1	mg/kg	††	††	††	0.2	UJ	0.21	UJ	0.18	U	0.19	U	0.18	U		
	2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	††	††	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	2,4,5-Trichlorophenol	95-95-4	mg/kg	††	0.1	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	2,4,6-Trichlorophenol	88-06-2	mg/kg	††	††	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	2,4-Dichloropheno	120-83-2	mg/kg	††	0.4	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	2,4-Dimethylpheno	105-67-9	mg/kg	††	††	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	2,4-Dinitrophenol	51-28-5	mg/kg	††	0.2	††	0.38	UJ	0.4	UJ	0.35	UJ	0.36	UJ	0.35	UJ		
	2,4-Dinitrotoluene	121-14-2	mg/kg	††	††	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	2,6-Dinitrotoluene	606-20-2	mg/kg	††	0.17	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	2-Chloronaphthalene	91-58-7	mg/kg	††	††	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	2-Chloropheno	95-57-8	mg/kg	††	††	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	2-Methylnaphthalene	91-57-6	mg/kg	††	36.4	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	2-Methylpheno	95-48-7	mg/kg	0.33	††	500	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	2-Nitroaniline	88-74-4	mg/kg	††	0.4	††	0.38	U	0.4	U	0.35	U	0.36	U	0.35	U		
	2-Nitrophenol	88-75-5	mg/kg	††	0.3	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	3 & 4 Methylpheno	MEPH3MEPH4	mg/kg	††	††	††	0.38	U	0.4	U	0.35	U	0.36	U	0.35	U		

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		DS 2-3		DS 2-4		PAN 1-1 ⁽¹⁾		PAN 1-2		PAS 1-1	
							Sample Date		7/26/2013 14:00		7/29/2013 15:00		7/16/2013 15:00		7/17/2013 13:00		7/18/2013 14:00	
							Sample ID		TMW-DS23 (2.4-4)(072613)		SB-DS24 (6.3-8.9)(072913)		TMW-PAN 1-1 (20-22)(071613)		SB-PAN1-2 (28-29)(071713)		TMW-PAS-1-1 (31-32)(071813)	
							Depth Interval		2.4 - 4 ft		6.3 - 8.9 ft		20 - 22 ft		28 - 29 ft		31 - 32 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	3,3'-Dichlorobenzidine	91-94-1	mg/kg	††	††	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	3-Nitroaniline	99-09-2	mg/kg	††	0.5	††	0.38	U	0.4	U	0.35	U	0.36	U	0.35	U		
	4,6-Dinitro-2-methylpheno	534-52-1	mg/kg	††	††	††	0.38	U	0.4	U	0.35	U	0.36	U	0.35	U		
	4-Bromophenyl phenyl ethe	101-55-3	mg/kg	††	††	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	4-Chloro-3-methylpheno	59-50-7	mg/kg	††	††	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	4-Chloroaniline	106-47-8	mg/kg	††	0.22	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	4-Chlorophenyl phenyl ethe	7005-72-3	mg/kg	††	††	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	4-Methylpheno	106-44-5	mg/kg	0.33	††	500	0.38	U	0.4	U	0.35	U	0.36	U	0.35	U		
	4-Nitroaniline	100-01-6	mg/kg	††	††	††	0.38	UJ	0.4	UJ	0.35	U	0.36	U	0.35	U		
	4-Nitrophenol	100-02-7	mg/kg	††	0.1	††	0.38	UJ	0.4	UJ	0.35	U	0.36	U	0.35	U		
	Acenaphthene	83-32-9	mg/kg	98	††	500	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Acenaphthylene	208-96-8	mg/kg	107	††	500	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Acetophenone	98-86-2	mg/kg	††	††	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Aniline	62-53-3	mg/kg	††	0.33	††	0.38	U	0.4	U	0.35	U	0.36	U	0.35	U		
	Anthracene	120-12-7	mg/kg	1,000	††	500	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Atrazine	1912-24-9	mg/kg	††	††	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Benzaldehyde	100-52-7	mg/kg	††	††	††	0.2	R		R	0.18	U	0.19	U	0.18	U		
	Benzo(a)anthracene	56-55-3	mg/kg	1	††	5.6	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Benzo(a)pyrene	50-32-8	mg/kg	22	††	1	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Benzo(b)fluoranthene	205-99-2	mg/kg	1.7	††	5.6	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Benzo(g,h,i)perylene	191-24-2	mg/kg	1,000	††	500	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Benzo(k)fluoranthene	207-08-9	mg/kg	1.7	††	56	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Benzyl alcoho	100-51-6	mg/kg	††	††	††	0.38	UJ	0.4	UJ	0.35	U	0.36	U	0.35	U		
	Bis(2-chloroethoxy)methane	111-91-1	mg/kg	††	††	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Bis(2-chloroethyl)ether	111-44-4	mg/kg	††	††	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Bis(2-ethylhexyl) phthalate	117-81-7	mg/kg	††	435	††	0.2	U	0.21	U	0.4		0.22		0.36			
	Butyl benzyl phthalate	85-68-7	mg/kg	††	122	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Caprolactam	105-60-2	mg/kg	††	††	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Carbazole	86-74-8	mg/kg	††	††	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Chrysene	218-01-9	mg/kg	1	††	56	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Dibenz(a,h)anthracene	53-70-3	mg/kg	1,000	††	0.56	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Dibenzofuran	132-64-9	mg/kg	210	6.2	350	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Dicyclohexylamine	101-83-7	mg/kg	††	††	††	0.2	UJ	0.21	UJ	0.18	UJ	0.19	UJ	0.18	UJ		
	Diethyl phthalate	84-66-2	mg/kg	††	7.1	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Dimethyl phthalate	131-11-3	mg/kg	††	27	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Di-n-butyl phthalate	84-74-2	mg/kg	††	8.1	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Di-n-octyl phthalate	117-84-0	mg/kg	††	120	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Fluoranthene	206-44-0	mg/kg	1,000	††	500	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Fluorene	86-73-7	mg/kg	386	††	500	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Hexachlorobenzene	118-74-1	mg/kg	3.2	1.4	6	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Hexachlorobutadiene	87-68-3	mg/kg	††	††	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Hexachlorocyclopentadiene	77-47-4	mg/kg	††	††	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Hexachloroethane	67-72-1	mg/kg	††	††	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	8.2	††	5.6	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Isophorone	78-59-1	mg/kg	††	4.4	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		DS 2-3		DS 2-4		PAN 1-1 ⁽¹⁾		PAN 1-2		PAS 1-1	
							Sample Date		7/26/2013 14:00		7/29/2013 15:00		7/16/2013 15:00		7/17/2013 13:00		7/18/2013 14:00	
							Sample ID		TMW-DS23 (2.4-4)(072613)		SB-DS24 (6.3-8.9)(072913)		TMW-PAN 1-1 (20-22)(071613)		SB-PAN1-2 (28-29)(071713)		TMW-PAS-1-1 (31-32)(071813)	
							Depth Interval		2.4 - 4 ft		6.3 - 8.9 ft		20 - 22 ft		28 - 29 ft		31 - 32 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	n,n-Dimethylaniline	121-69-7	mg/kg	††	††	††	0.2	UJ	0.21	UJ	0.18	UJ	0.19	UJ	0.18	UJ		
	Naphthalene	91-20-3	mg/kg	12	††	500	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Nitrobenzene	98-95-3	mg/kg	††	0.17	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	N-Nitroso-di-n-propylamine	621-64-7	mg/kg	††	††	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	N-Nitrosodiphenylamine	86-30-6	mg/kg	††	††	††	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Pentachloropheno	87-86-5	mg/kg	0.8	††	6.7	0.38	U	0.4	U	0.35	U	0.36	U	0.35	U		
	Phenanthrene	85-01-8	mg/kg	1,000	††	500	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Phenol	108-95-2	mg/kg	0.33	††	500	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Pyrene	129-00-0	mg/kg	1,000	††	500	0.2	U	0.21	U	0.18	U	0.19	U	0.18	U		
	Pyridine	110-86-1	mg/kg	††	††	††	0.38	UJ	0.4	UJ	0.35	UJ	0.36	UJ	0.35	UJ		
	Triethylamine	121-44-8	mg/kg	††	††	††	0.38	UJ	0.4	UJ	0.35	UJ	0.36	UJ	0.35	UJ		
TPH Method SW8015B/D	Ethanol	64-17-5	mg/kg	††	††	††	1	U	1.2	U	1	U	1.1	U	1	U		
	Ethylene glyco	107-21-1	mg/kg	††	††	††	5.5	U	6.1	U	7.4		4.9	J	5.3	U		
	Isobutanol	78-83-1	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--		
	Isopropyl alcohol	67-63-0	mg/kg	††	††	††	1	U	1.2	U	1	U	1.1	U	1	U		
	Methanol	67-56-1	mg/kg	††	††	††	1	U	0.74	J	1	U	2.3		0.4	J		
	Propylene glycol	57-55-6	mg/kg	††	††	††	5.5	U	6.1	U	5.3	U	5.5	U	5.3	U		

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		PAS 1-2 ⁽ⁱ⁾		PR 1-1		PR 5A-1		PR 8C-1		PR 9A-1	
							Sample Date		9/6/2013 15:00		9/6/2013 15:00		8/19/2013 9:30		8/14/2013 9:55		8/8/2013 12:30	
							Sample ID		TMW-PAS1-2 (10-12)(090613)		FD-01 (090613)		TMW-PR11 (5-7)(081913)		TMW-PR5A1 (7-8)(081413)		TMW-PR8C-1 (6-8)(080813)	
							Depth Interval		10 - 12 ft		10 - 12 ft		5 - 7 ft		7 - 8 ft		6 - 8 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	††	500	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	††	0.6	††	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	mg/kg	††	6	††	0.0042	U	0.0042	U	0.0029	J	0.0059	U	0.0035	U	0.0043	U
	1,1,2-Trichloroethane	79-00-5	mg/kg	††	††	††	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	1,1-Dichloroethane	75-34-3	mg/kg	0.27	††	240	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	1,1-Dichloroethene	75-35-4	mg/kg	0.33	††	500	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	1,2,3-Trichlorobenzene	87-61-6	mg/kg	††	††	††	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	1,2,4-Trichlorobenzene	120-82-1	mg/kg	††	3.4	††	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	1,2,4-Trimethylbenzene	95-63-6	mg/kg	3.6	††	190	0.0042	U	0.0042	U	0.0037	U	0.046		0.0035	U	0.0043	U
	1,2-Dibromo-3-Chloropropane	96-12-8	mg/kg	††	††	††	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	1,2-Dibromoethane	106-93-4	mg/kg	††	††	††	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	††	500	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	1,2-Dichloroethane	107-06-2	mg/kg	0.02	††	30	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	1,2-Dichloropropane	78-87-5	mg/kg	††	††	††	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	1,3,5-Trimethylbenzene	108-67-8	mg/kg	8.4	††	190	0.0042	U	0.0042	U	0.0037	U	0.015		0.0035	U	0.0043	U
	1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	††	280	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	††	130	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	1,4-Dioxane	123-91-1	mg/kg	0.1	††	130	0.17	UJ	0.17	UJ	0.15	UJ	0.24	UJ	0.14	UJ	0.17	UJ
	2-Butanone	78-93-3	mg/kg	0.12	0.3	500	0.0045	J	0.0025	J	0.0051	J	0.014	J	0.0027	J	0.0043	J
	2-Hexanone	591-78-6	mg/kg	††	††	††	0.021	U	0.021	U	0.019	U	0.03	U	0.017	U	0.021	U
	2-Nitropropane	79-46-9	mg/kg	††	††	††	0.021	UJ	0.021	UJ	0.019	UJ	0.03	UJ	0.017	UJ	0.021	UJ
	4-Methyl-2-pentanone	108-10-1	mg/kg	††	1	††	0.021	U	0.021	U	0.0039	J	0.0074	J	0.017	U	0.021	U
	Acetone	67-64-1	mg/kg	0.05	††	500	0.031		0.02	J	0.028	J	0.14		0.022		0.047	
	Acetonitrile	75-05-8	mg/kg	††	††	††	0.17	U	0.17	U	0.15	UJ	0.24	UJ	0.14	U	0.17	UJ
	Benzene	71-43-2	mg/kg	0.06	††	44	0.0042	U	0.0042	U	0.0037	U	0.0012	J	0.0035	U	0.0043	U
	Bromochloromethane	74-97-5	mg/kg	††	††	††	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	Bromodichloromethane	75-27-4	mg/kg	††	††	††	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	Bromoform	75-25-2	mg/kg	††	††	††	0.0042	U	0.0042	U	0.0037	U	0.0059	UJ	0.0035	U	0.0043	UJ
	Bromomethane	74-83-9	mg/kg	††	††	††	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	Carbon disulfide	75-15-0	mg/kg	††	2.7	††	0.0042	U	0.0042	U	0.0037	U	0.019	--	0.0035	U	0.0043	U
	Carbon tetrachloride	56-23-5	mg/kg	0.76	††	22	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	Chlorobenzene	108-90-7	mg/kg	1.1	††	500	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	Chlorodifluoromethane	75-45-6	mg/kg	††	††	††	0.0042	UJ	0.0042	UJ	0.0037	UJ	0.0059	UJ	0.0035	UJ	0.012	J
	Chloroethane	75-00-3	mg/kg	††	1.9	††	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	Chloroform	67-66-3	mg/kg	0.37	††	350	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	Chloromethane	74-87-3	mg/kg	††	††	††	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	cis-1,2-Dichloroethene	156-59-2	mg/kg	0.25	††	500	0.0042	U	0.0042	U	0.0062	J	0.0059	U	0.0035	U	0.0043	U
	cis-1,3-Dichloropropene	10061-01-5	mg/kg	††	††	††	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	Cyclohexane	110-82-7	mg/kg	††	††	††	0.0042	U	0.0042	U	0.0037	U	0.0026	J	0.0035	U	0.0043	U
	Cyclohexanone	108-94-1	mg/kg	††	††	††	0.042	UJ	0.042	UJ	0.037	UJ	0.059	UJ	0.035	UJ	0.043	UJ
	Dibromochloromethane	124-48-1	mg/kg	††	††	††	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	Dichlorodifluoromethane	75-71-8	mg/kg	††	††	††	0.0042	U	0.0042	U	0.0037	U	0.0059	UJ	0.0035	U	0.0043	U
	Diethyl ether	60-29-7	mg/kg	††	††	††	0.021	UJ	0.021	UJ	0.019	UJ	0.03	UJ	0.017	UJ	0.021	UJ
	Ethyl acetate	141-78-6	mg/kg	††	††	††	0.0042	UJ	0.0042	UJ	0.0037	UJ	0.0059	UJ	0.0035	UJ	0.0043	UJ
	Ethylbenzene	100-41-4	mg/kg	1	††	390	0.0042	U	0.0042	U	0.00095	J	0.0083		0.0035	U	0.0043	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Location		PAS 1-2 ⁽ⁱ⁾		PR 1-1		PR 5A-1		PR 8C-1		PR 9A-1	
							Sample Date		9/6/2013 15:00		9/6/2013 15:00		8/19/2013 9:30		8/14/2013 9:55		8/8/2013 12:30	
							Sample ID		TMW-PAS1-2 (10-12)(090613)		FD-01 (090613)		TMW-PR11 (5-7)(081913)		TMW-PR5A1 (7-8)(081413)		TMW-PR8C-1 (6-8)(080813)	
							Depth Interval		10 - 12 ft		10 - 12 ft		5 - 7 ft		7 - 8 ft		6 - 8 ft	
							Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Isobutanol	78-83-1	mg/kg	††	††	††	0.17	UJ	0.17	UJ	0.15	UJ	0.24	UJ	0.14	UJ	0.17	UJ
	Isopropylbenzene	98-82-8	mg/kg	††	2.3	††	0.0042	U	0.0042	U	0.0037	U	0.0024	J	0.0035	U	0.0043	U
	m&p-Xylene	179601-23-1	mg/kg	††	††	††	0.0083	U	0.0085	U	0.0031	J	0.033		0.007	U	0.0086	U
	Methyl acetate	79-20-9	mg/kg	††	††	††	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	Methyl tert-butyl ether	1634-04-4	mg/kg	0.93	††	500	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	Methylcyclohexane	108-87-2	mg/kg	††	††	††	0.0042	U	0.0042	U	0.0037	U	0.0058	J	0.0035	U	0.0043	U
	Methylene Chloride	75-09-2	mg/kg	0.05	††	500	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	Naphthalene	91-20-3	mg/kg	12	††	500	0.0042	U	0.0042	U	0.0037	U	0.045		0.00085	J	0.0043	U
	n-Butanol	71-36-3	mg/kg	††	††	††	0.17	UJ	0.17	UJ	0.15	UJ	0.24	UJ	0.14	UJ	0.17	UJ
	n-Butylbenzene	104-51-8	mg/kg	12	††	500	0.0042	U	0.0042	U	0.0037	U	0.003	J	0.0035	U	0.0043	U
	n-Heptane	142-82-5	mg/kg	††	††	††	0.083	UJ	0.085	UJ	0.074	UJ	0.12	UJ	0.07	UJ	0.086	UJ
	n-Hexane	110-54-3	mg/kg	††	††	††	0.042	UJ	0.042	UJ	0.037	UJ	0.059	UJ	0.035	UJ	0.043	UJ
	o-Xylene	95-47-6	mg/kg	††	††	††	0.0042	U	0.0042	U	0.0012	J	0.018		0.0035	U	0.0043	U
	p-Isopropyltoluene	99-87-6	mg/kg	††	10	††	0.0042	U	0.0042	U	0.0037	U	0.0024	J	0.0035	U	0.0043	U
	sec-Butylbenzene	135-98-8	mg/kg	11	††	500	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	Styrene	100-42-5	mg/kg	††	††	††	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	tert-Butanol	75-65-0	mg/kg	††	††	††	0.083	UJ	0.085	UJ	0.074	UJ	0.12	UJ	0.07	UJ	0.086	UJ
	tert-Butylbenzene	98-06-6	mg/kg	5.9	††	500	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	Tetrachloroethene	127-18-4	mg/kg	1.3	††	150	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	Tetrahydrofuran	109-99-9	mg/kg	††	††	††	0.021	U	0.021	U	0.0058	J	0.03	U	0.017	U	0.021	U
	Toluene	108-88-3	mg/kg	0.7	††	500	0.0042	U	0.0042	UB	0.0037	U	0.012		0.0035	U	0.0043	U
	trans-1,2-Dichloroethene	156-60-5	mg/kg	0.19	††	500	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	trans-1,3-Dichloropropene	10061-02-6	mg/kg	††	††	††	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	Trichloroethene	79-01-6	mg/kg	0.47	††	200	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	Trichlorofluoromethane	75-69-4	mg/kg	††	††	††	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	Vinyl chloride	75-01-4	mg/kg	0.02	††	13	0.0042	U	0.0042	U	0.0037	U	0.0059	U	0.0035	U	0.0043	U
	Xylenes (total)	1330-20-7	mg/kg	1.6	††	500	0.0083	U	0.0085	U	0.0043	J	0.051	--	0.007	U	0.0086	U
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	mg/kg	††	††	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U
	1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	††	††	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U
	2,2'-Oxybis(1-Chloropropane)	108-60-1	mg/kg	††	††	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U
	2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	††	††	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U
	2,4,5-Trichlorophenol	95-95-4	mg/kg	††	0.1	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U
	2,4,6-Trichlorophenol	88-06-2	mg/kg	††	††	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U
	2,4-Dichloropheno	120-83-2	mg/kg	††	0.4	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U
	2,4-Dimethylpheno	105-67-9	mg/kg	††	††	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U
	2,4-Dinitrophenol	51-28-5	mg/kg	††	0.2	††	0.38	UJ	0.38	UJ	0.34	U	0.34	UJ	0.37	U	0.37	UJ
	2,4-Dinitrotoluene	121-14-2	mg/kg	††	††	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U
	2,6-Dinitrotoluene	606-20-2	mg/kg	††	0.17	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U
	2-Chloronaphthalene	91-58-7	mg/kg	††	††	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U
	2-Chloropheno	95-57-8	mg/kg	††	††	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U
	2-Methylnaphthalene	91-57-6	mg/kg	††	36.4	††	0.2	U	0.2	U	0.0064	J	0.034	J	0.0044	J	0.0033	J
	2-Methylpheno	95-48-7	mg/kg	0.33	††	500	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U
	2-Nitroaniline	88-74-4	mg/kg	††	0.4	††	0.38	U	0.38	U	0.34	U	0.34	U	0.37	U	0.37	U
	2-Nitrophenol	88-75-5	mg/kg	††	0.3	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U
	3 & 4 Methylpheno	MEPH3MEPH4	mg/kg	††	††	††	0.38	U	0.38	U	0.34	U	0.34	U	0.37	U	0.37	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		PAS 1-2 ⁽¹⁾		PR 1-1		PR 5A-1		PR 8C-1		PR 9A-1			
							Sample Date		9/6/2013 15:00		9/6/2013 15:00		8/19/2013 9:30		8/14/2013 9:55		8/8/2013 12:30		8/22/2013 9:20	
									Sample ID		TMW-PAS1-2 (10-12)(090613)		FD-01 (090613)		TMW-PR11 (5-7)(081913)		TMW-PR5A1 (7-8)(081413)		TMW-PR8C-1 (6-8)(080813)	
							Depth Interval		10 - 12 ft		10 - 12 ft		5 - 7 ft		7 - 8 ft		6 - 8 ft		4 - 6 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
SVOCs Method SW8270C/D (Cont.)	3,3'-Dichlorobenzidine	91-94-1	mg/kg	††	††	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U		
	3-Nitroaniline	99-09-2	mg/kg	††	0.5	††	0.38	U	0.38	U	0.34	U	0.34	U	0.37	U	0.37	U		
	4,6-Dinitro-2-methylpheno	534-52-1	mg/kg	††	††	††	0.38	U	0.38	U	0.34	U	0.34	U	0.37	U	0.37	U		
	4-Bromophenyl phenyl ethe	101-55-3	mg/kg	††	††	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U		
	4-Chloro-3-methylpheno	59-50-7	mg/kg	††	††	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U		
	4-Chloroaniline	106-47-8	mg/kg	††	0.22	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U		
	4-Chlorophenyl phenyl ethe	7005-72-3	mg/kg	††	††	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U		
	4-Methylpheno	106-44-5	mg/kg	0.33	††	500	0.38	U	0.38	U	0.34	U	0.34	U	0.37	U	0.37	U		
	4-Nitroaniline	100-01-6	mg/kg	††	††	††	0.38	U	0.38	U	0.34	U	0.34	U	0.37	U	0.37	U		
	4-Nitrophenol	100-02-7	mg/kg	††	0.1	††	0.38	U	0.38	U	0.34	U	0.34	UJ	0.37	U	0.37	U		
	Acenaphthene	83-32-9	mg/kg	98	††	500	0.2	U	0.2	U	0.0089	J	0.0052	J	0.0029	J	0.047	J		
	Acenaphthylene	208-96-8	mg/kg	107	††	500	0.2	U	0.2	U	0.004	J	0.0066	J	0.0047	J	0.0095	J		
	Acetophenone	98-86-2	mg/kg	††	††	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U		
	Aniline	62-53-3	mg/kg	††	0.33	††	0.38	U	0.38	U	0.34	U	0.34	U	0.37	U	0.37	U		
	Anthracene	120-12-7	mg/kg	1,000	††	500	0.2	U	0.2	U	0.0087	J	0.026	J	0.0065	J	0.03	J		
	Atrazine	1912-24-9	mg/kg	††	††	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U		
	Benzaldehyde	100-52-7	mg/kg	††	††	††	0.2	U	0.2	U	0.18	U	0.17	U	0.021	J		R		
	Benzo(a)anthracene	56-55-3	mg/kg	1	††	5.6	0.2	U	0.2	U	0.027	J	0.049	J	0.018	J	0.059	J		
	Benzo(a)pyrene	50-32-8	mg/kg	22	††	1	0.2	U	0.2	U	0.027	J	0.047	J	0.014	J	0.047	J		
	Benzo(b)fluoranthene	205-99-2	mg/kg	1.7	††	5.6	0.2	U	0.2	U	0.036	J	0.07	J	0.016	J	0.054	J		
	Benzo(g,h,i)perylene	191-24-2	mg/kg	1,000	††	500	0.2	U	0.2	U	0.18	U	0.082	J	0.068	J	0.19	U		
	Benzo(k)fluoranthene	207-08-9	mg/kg	1.7	††	56	0.2	U	0.2	U	0.019	J	0.027	J	0.0034	J	0.029	J		
	Benzyl alcoho	100-51-6	mg/kg	††	††	††	0.38	U	0.38	U	0.34	U	0.34	U	0.37	U	0.37	U		
	Bis(2-chloroethoxy)methane	111-91-1	mg/kg	††	††	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U		
	Bis(2-chloroethyl)ether	111-44-4	mg/kg	††	††	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U		
	Bis(2-ethylhexyl) phthalate	117-81-7	mg/kg	††	435	††	0.22	U	0.2	U	0.073	J	1		0.081	J	0.19	U		
	Butyl benzyl phthalate	85-68-7	mg/kg	††	122	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U		
	Caprolactam	105-60-2	mg/kg	††	††	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U		
	Carbazole	86-74-8	mg/kg	††	††	††	0.2	U	0.2	U	0.0059	J	0.01	J	0.19	U	0.017	J		
	Chrysene	218-01-9	mg/kg	1	††	56	0.2	U	0.2	U	0.03	J	0.053	J	0.011	J	0.049	J		
	Dibenz(a,h)anthracene	53-70-3	mg/kg	1,000	††	0.56	0.2	U	0.2	U	0.18	U	0.17	U	0.0043	J	0.19	U		
	Dibenzofuran	132-64-9	mg/kg	210	6.2	350	0.2	U	0.2	U	0.18	U	0.0079	J	0.19	U	0.069	J		
	Dicyclohexylamine	101-83-7	mg/kg	††	††	††	0.2	UJ	0.2	UJ	0.18	UJ	0.17	UJ	0.19	UJ	0.19	UJ		
	Diethyl phthalate	84-66-2	mg/kg	††	7.1	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U		
	Dimethyl phthalate	131-11-3	mg/kg	††	27	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U		
	Di-n-butyl phthalate	84-74-2	mg/kg	††	8.1	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U		
	Di-n-octyl phthalate	117-84-0	mg/kg	††	120	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U		
	Fluoranthene	206-44-0	mg/kg	1,000	††	500	0.2	U	0.2	U	0.042	J	0.11	J	0.023	J	0.11	J		
	Fluorene	86-73-7	mg/kg	386	††	500	0.2	U	0.2	U	0.0057	J	0.01	J	0.0048	J	0.024	J		
	Hexachlorobenzene	118-74-1	mg/kg	3.2	1.4	6	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U		
Hexachlorobutadiene	87-68-3	mg/kg	††	††	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U			
Hexachlorocyclopentadiene	77-47-4	mg/kg	††	††	††	0.2	U	0.2	U	0.18	UJ	0.17	UJ	0.19	U	0.19	UJ			
Hexachloroethane	67-72-1	mg/kg	††	††	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U			
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	8.2	††	5.6	0.2	U	0.2	U	0.18	U	0.029	J	0.011	J	0.19	U			
Isophorone	78-59-1	mg/kg	††	4.4	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U			

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		PAS 1-2 ⁽ⁱ⁾		PR 1-1		PR 5A-1		PR 8C-1		PR 9A-1	
							Sample Date		9/6/2013 15:00	9/6/2013 15:00	8/19/2013 9:30	8/14/2013 9:55	8/8/2013 12:30	8/22/2013 9:20				
							Sample ID		TMW-PAS1-2 (10-12)(090613)	FD-01 (090613)	TMW-PR11 (5-7)(081913)	TMW-PR5A1 (7-8)(081413)	TMW-PR8C-1 (6-8)(080813)	TMW-PR9A1 (4-6)(082213)				
							Depth Interval		10 - 12 ft	10 - 12 ft	5 - 7 ft	7 - 8 ft	6 - 8 ft	4 - 6 ft				
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	n,n-Dimethylaniline	121-69-7	mg/kg	††	††	††	0.2	UJ	0.2	UJ	0.18	UJ	0.17	UJ	0.19	UJ	0.19	UJ
	Naphthalene	91-20-3	mg/kg	12	††	500	0.2	U	0.2	U	0.012	J	0.025	J	0.011	J	0.0093	J
	Nitrobenzene	98-95-3	mg/kg	††	0.17	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U
	N-Nitroso-di-n-propylamine	621-64-7	mg/kg	††	††	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U
	N-Nitrosodiphenylamine	86-30-6	mg/kg	††	††	††	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U
	Pentachloropheno	87-86-5	mg/kg	0.8	††	6.7	0.38	U	0.38	U	0.34	U	0.34	U	0.37	U	0.37	U
	Phenanthrene	85-01-8	mg/kg	1,000	††	500	0.2	U	0.2	U	0.038	J	0.044	J	0.021	J	0.068	J
	Phenol	108-95-2	mg/kg	0.33	††	500	0.2	U	0.2	U	0.18	U	0.17	U	0.19	U	0.19	U
	Pyrene	129-00-0	mg/kg	1,000	††	500	0.2	U	0.2	U	0.056	J	0.12	J	0.024	J	0.1	J
	Pyridine	110-86-1	mg/kg	††	††	††	0.38	UJ	0.38	UJ	0.34	U	0.34	U	0.37	U	0.37	U
	Triethylamine	121-44-8	mg/kg	††	††	††	0.38	UJ	0.38	UJ	0.34	UJ	0.34	UJ	0.37	UJ	0.37	UJ
TPH Method SW8015B/D	Ethanol	64-17-5	mg/kg	††	††	††	12	U	11	U	10	U	0.97	U	11	U	1.1	U
	Ethylene glyco	107-21-1	mg/kg	††	††	††	5.8	U	5.8	U	4.9	U	5	U	55	U	5.6	U
	Isobutanol	78-83-1	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--
	Isopropyl alcohol	67-63-0	mg/kg	††	††	††	12	U	11	U	10	U	0.97	U	11	U	1.1	U
	Methanol	67-56-1	mg/kg	††	††	††	12	U	4.2	J	10	U	0.97	UB	3.5	J	1.1	
	Propylene glycol	57-55-6	mg/kg	††	††	††	5.8	U	5.8	U	4.9	U	5	U	55	U	5.6	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		PR 24A-1		PR 25-1		SR-1 ⁽¹⁾		SR-2		SR-3 ⁽¹⁾			
							Sample Date		7/25/2013 11:30		7/24/2013 14:00		8/6/2013 14:45		8/7/2013 14:45		8/6/2013 12:30		8/6/2013 12:30	
							Sample ID		TMW-PR24A1 (6-8)(072513)		TMW-PR251 (2-4)(072413)		SB-SR1 (4-6)(080613)		TMW-SR2 (2-4)(080713)		TMW-SR3 (6-9)(080613)		FD-03 (080613)	
							Depth Interval		6 - 8 ft		2 - 4 ft		4 - 6 ft		2 - 4 ft		6 - 9 ft		6 - 9 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	††	500	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	††	0.6	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	mg/kg	††	6	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	1,1,2-Trichloroethane	79-00-5	mg/kg	††	††	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	1,1-Dichloroethane	75-34-3	mg/kg	0.27	††	240	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	1,1-Dichloroethene	75-35-4	mg/kg	0.33	††	500	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	1,2,3-Trichlorobenzene	87-61-6	mg/kg	††	††	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	1,2,4-Trichlorobenzene	120-82-1	mg/kg	††	3.4	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	1,2,4-Trimethylbenzene	95-63-6	mg/kg	3.6	††	190	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	1,2-Dibromo-3-Chloropropane	96-12-8	mg/kg	††	††	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	1,2-Dibromoethane	106-93-4	mg/kg	††	††	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	††	500	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	1,2-Dichloroethane	107-06-2	mg/kg	0.02	††	30	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	1,2-Dichloropropane	78-87-5	mg/kg	††	††	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	1,3,5-Trimethylbenzene	108-67-8	mg/kg	8.4	††	190	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	††	280	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	††	130	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	1,4-Dioxane	123-91-1	mg/kg	0.1	††	130	0.14	UJ	0.18	UJ	0.13	UJ	0.15	UJ	0.13	UJ	0.13	UJ	0.14	UJ
	2-Butanone	78-93-3	mg/kg	0.12	0.3	500	0.018	U	0.0028	J	0.0012	J	0.019	U	0.0015	J	0.0027	J		
	2-Hexanone	591-78-6	mg/kg	††	††	††	0.018	U	0.022	U	0.016	U	0.019	U	0.016	U	0.018	U		
	2-Nitropropane	79-46-9	mg/kg	††	††	††	0.018	UJ	0.022	UJ	0.016	UJ	0.019	UJ	0.016	UJ	0.018	UJ		
	4-Methyl-2-pentanone	108-10-1	mg/kg	††	1	††	0.018	U	0.022	U	0.016	U	0.019	U	0.016	U	0.018	U		
	Acetone	67-64-1	mg/kg	0.05	††	500	0.0071	J	0.016	J	0.012	J	0.0091	J	0.012	J	0.023	J		
	Acetonitrile	75-05-8	mg/kg	††	††	††	0.14	U	0.18	U	0.13	U	0.15	U	0.13	U	0.14	U		
	Benzene	71-43-2	mg/kg	0.06	††	44	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	Bromochloromethane	74-97-5	mg/kg	††	††	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	Bromodichloromethane	75-27-4	mg/kg	††	††	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	Bromoform	75-25-2	mg/kg	††	††	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	Bromomethane	74-83-9	mg/kg	††	††	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	Carbon disulfide	75-15-0	mg/kg	††	2.7	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0018	J
	Carbon tetrachloride	56-23-5	mg/kg	0.76	††	22	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	Chlorobenzene	108-90-7	mg/kg	1.1	††	500	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	Chlorodifluoromethane	75-45-6	mg/kg	††	††	††	0.0036	UJ	0.0044	UJ	0.0032	UJ	0.0038	UJ	0.0038	UJ	0.0033	UJ	0.0036	UJ
	Chloroethane	75-00-3	mg/kg	††	1.9	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	Chloroform	67-66-3	mg/kg	0.37	††	350	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	Chloromethane	74-87-3	mg/kg	††	††	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	cis-1,2-Dichloroethene	156-59-2	mg/kg	0.25	††	500	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	cis-1,3-Dichloropropene	10061-01-5	mg/kg	††	††	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	Cyclohexane	110-82-7	mg/kg	††	††	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0011	J
	Cyclohexanone	108-94-1	mg/kg	††	††	††	0.036	UJ	0.044	UJ	0.032	UJ	0.038	UJ	0.038	UJ	0.033	UJ	0.036	UJ
	Dibromochloromethane	124-48-1	mg/kg	††	††	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	Dichlorodifluoromethane	75-71-8	mg/kg	††	††	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U
	Diethyl ether	60-29-7	mg/kg	††	††	††	0.018	UJ	0.022	UJ	0.016	UJ	0.019	UJ	0.016	UJ	0.018	UJ		
	Ethyl acetate	141-78-6	mg/kg	††	††	††	0.0036	UJ	0.0044	UJ	0.0032	UJ	0.0038	UJ	0.0038	UJ	0.0033	UJ	0.0036	UJ
	Ethylbenzene	100-41-4	mg/kg	1	††	390	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0038	U	0.0033	U	0.0036	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Location Sample Date		Sample ID		Depth Interval		PR 24A-1		PR 25-1		SR-1 ⁽¹⁾		SR-2		SR-3 ⁽¹⁾	
							7/25/2013 11:30		7/24/2013 14:00		7/25/2013 11:30		7/24/2013 14:00		8/6/2013 14:45		8/7/2013 14:45		8/6/2013 12:30		8/6/2013 12:30	
							TMW-PR24A1 (6-8)(072513)		TMW-PR251 (2-4)(072413)		SB-SR1 (4-6)(080613)		TMW-SR2 (2-4)(080713)		SB-SR1 (4-6)(080613)		TMW-SR2 (2-4)(080713)		TMW-SR3 (6-9)(080613)		FD-03 (080613)	
							6 - 8 ft		2 - 4 ft		4 - 6 ft		2 - 4 ft		6 - 9 ft		6 - 9 ft		6 - 9 ft		6 - 9 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Isobutanol	78-83-1	mg/kg	††	††	††	0.14	UJ	0.18	UJ	0.13	UJ	0.15	UJ	0.13	UJ	0.14	UJ	0.14	UJ	0.14	UJ
	Isopropylbenzene	98-82-8	mg/kg	††	2.3	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0033	U	0.0036	U	0.0036	U	0.0036	U
	m&p-Xylene	179601-23-1	mg/kg	††	††	††	0.0071	U	0.0089	U	0.0064	U	0.0076	U	0.0065	U	0.0072	U	0.0072	U	0.0072	U
	Methyl acetate	79-20-9	mg/kg	††	††	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0033	U	0.0036	U	0.0036	U	0.0036	U
	Methyl tert-butyl ether	1634-04-4	mg/kg	0.93	††	500	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0033	U	0.0036	U	0.0036	U	0.0036	U
	Methylcyclohexane	108-87-2	mg/kg	††	††	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0033	U	0.0036	U	0.0036	U	0.0036	U
	Methylene Chloride	75-09-2	mg/kg	0.05	††	500	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0033	U	0.0036	U	0.0036	U	0.0036	U
	Naphthalene	91-20-3	mg/kg	12	††	500	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0033	U	0.0036	U	0.0036	U	0.0036	U
	n-Butanol	71-36-3	mg/kg	††	††	††	0.14	UJ	0.18	UJ	0.13	UJ	0.15	UJ	0.13	UJ	0.14	UJ	0.14	UJ	0.14	UJ
	n-Butylbenzene	104-51-8	mg/kg	12	††	500	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0033	U	0.0036	U	0.0036	U	0.0036	U
	n-Heptane	142-82-5	mg/kg	††	††	††	0.071	UJ	0.089	UJ	0.064	UJ	0.076	UJ	0.065	UJ	0.072	UJ	0.072	UJ	0.072	UJ
	n-Hexane	110-54-3	mg/kg	††	††	††	0.036	UJ	0.044	UJ	0.032	UJ	0.038	UJ	0.033	UJ	0.036	UJ	0.036	UJ	0.036	UJ
	o-Xylene	95-47-6	mg/kg	††	††	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0033	U	0.0036	U	0.0036	U	0.0036	U
	p-Isopropyltoluene	99-87-6	mg/kg	††	10	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0033	U	0.0036	U	0.0036	U	0.0036	U
	sec-Butylbenzene	135-98-8	mg/kg	11	††	500	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0033	U	0.0036	U	0.0036	U	0.0036	U
	Styrene	100-42-5	mg/kg	††	††	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0033	U	0.0036	U	0.0036	U	0.0036	U
	tert-Butanol	75-65-0	mg/kg	††	††	††	0.071	UJ	0.089	UJ	0.064	UJ	0.076	UJ	0.065	UJ	0.072	UJ	0.072	UJ	0.072	UJ
	tert-Butylbenzene	98-06-6	mg/kg	5.9	††	500	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0033	U	0.0036	U	0.0036	U	0.0036	U
	Tetrachloroethene	127-18-4	mg/kg	1.3	††	150	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0033	U	0.0036	U	0.0036	U	0.0036	U
	Tetrahydrofuran	109-99-9	mg/kg	††	††	††	0.018	U	0.022	U	0.016	U	0.019	U	0.016	U	0.018	U	0.018	U	0.018	U
	Toluene	108-88-3	mg/kg	0.7	††	500	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0033	U	0.0036	U	0.0036	U	0.0036	U
	trans-1,2-Dichloroethene	156-60-5	mg/kg	0.19	††	500	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0033	U	0.0036	U	0.0036	U	0.0036	U
	trans-1,3-Dichloropropene	10061-02-6	mg/kg	††	††	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0033	U	0.0036	U	0.0036	U	0.0036	U
	Trichloroethene	79-01-6	mg/kg	0.47	††	200	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0033	U	0.0036	U	0.0036	U	0.0036	U
	Trichlorofluoromethane	75-69-4	mg/kg	††	††	††	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0033	U	0.0036	U	0.0036	U	0.0036	U
	Vinyl chloride	75-01-4	mg/kg	0.02	††	13	0.0036	U	0.0044	U	0.0032	U	0.0038	U	0.0033	U	0.0036	U	0.0036	U	0.0036	U
	Xylenes (total)	1330-20-7	mg/kg	1.6	††	500	0.0071	U	0.0089	U	0.0064	U	0.0076	U	0.0065	U	0.0072	U	0.0072	U	0.0072	U
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	mg/kg	††	††	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U
	1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	††	††	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U
	2,2'-Oxybis(1-Chloropropane)	108-60-1	mg/kg	††	††	††	0.17	UJ	0.18	UJ	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U
	2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	††	††	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U
	2,4,5-Trichlorophenol	95-95-4	mg/kg	††	0.1	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U
	2,4,6-Trichlorophenol	88-06-2	mg/kg	††	††	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U
	2,4-Dichloropheno	120-83-2	mg/kg	††	0.4	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U
	2,4-Dimethylpheno	105-67-9	mg/kg	††	††	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U
	2,4-Dinitrophenol	51-28-5	mg/kg	††	0.2	††	0.33	UJ	0.35	UJ	0.38	U	0.36	U	0.35	U	0.37	U	0.37	U	0.37	U
	2,4-Dinitrotoluene	121-14-2	mg/kg	††	††	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U
	2,6-Dinitrotoluene	606-20-2	mg/kg	††	0.17	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U
	2-Chloronaphthalene	91-58-7	mg/kg	††	††	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U
	2-Chloropheno	95-57-8	mg/kg	††	††	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U
	2-Methylnaphthalene	91-57-6	mg/kg	††	36.4	††	0.17	U	0.026	J	0.19	U	0.19	U	0.18	U	0.0025	J	0.0025	J	0.0025	J
	2-Methylpheno	95-48-7	mg/kg	0.33	††	500	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U
	2-Nitroaniline	88-74-4	mg/kg	††	0.4	††	0.33	U	0.35	U	0.38	U	0.36	U	0.35	U	0.37	U	0.37	U	0.37	U
	2-Nitrophenol	88-75-5	mg/kg	††	0.3	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U
	3 & 4 Methylpheno	MEPH3MEPH4	mg/kg	††	††	††	0.33	U	0.35	U	0.38	U	0.36	U	0.35	U	0.37	U	0.37	U	0.37	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Location		PR 24A-1		PR 25-1		SR-1 ⁽¹⁾		SR-2		SR-3 ⁽¹⁾	
							Sample Date		7/25/2013 11:30		7/24/2013 14:00		8/6/2013 14:45		8/7/2013 14:45		8/6/2013 12:30	
							Sample ID		TMW-PR24A1 (6-8)(072513)		TMW-PR251 (2-4)(072413)		SB-SR1 (4-6)(080613)		TMW-SR2 (2-4)(080713)		TMW-SR3 (6-9)(080613)	
							Depth Interval		6 - 8 ft		2 - 4 ft		4 - 6 ft		2 - 4 ft		6 - 9 ft	
							Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	3,3'-Dichlorobenzidine	91-94-1	mg/kg	††	††	††	0.17	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U
	3-Nitroaniline	99-09-2	mg/kg	††	0.5	††	0.33	U	0.35	UJ	0.38	U	0.36	U	0.35	U	0.37	U
	4,6-Dinitro-2-methylpheno	534-52-1	mg/kg	††	††	††	0.33	U	0.35	U	0.38	U	0.36	U	0.35	U	0.37	U
	4-Bromophenyl phenyl ethe	101-55-3	mg/kg	††	††	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
	4-Chloro-3-methylpheno	59-50-7	mg/kg	††	††	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
	4-Chloroaniline	106-47-8	mg/kg	††	0.22	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
	4-Chlorophenyl phenyl ethe	7005-72-3	mg/kg	††	††	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
	4-Methylpheno	106-44-5	mg/kg	0.33	††	500	0.33	U	0.35	U	0.38	U	0.36	U	0.35	U	0.37	U
	4-Nitroaniline	100-01-6	mg/kg	††	††	††	0.33	UJ	0.35	UJ	0.38	U	0.36	U	0.35	U	0.37	U
	4-Nitrophenol	100-02-7	mg/kg	††	0.1	††	0.33	UJ	0.35	UJ	0.38	U	0.36	U	0.35	U	0.37	U
	Acenaphthene	83-32-9	mg/kg	98	††	500	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
	Acenaphthylene	208-96-8	mg/kg	107	††	500	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
	Acetophenone	98-86-2	mg/kg	††	††	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
	Aniline	62-53-3	mg/kg	††	0.33	††	0.33	U	0.35	U	0.38	U	0.36	U	0.35	U	0.37	U
	Anthracene	120-12-7	mg/kg	1,000	††	500	0.17	U	0.024	J	0.19	U	0.19	U	0.18	U	0.19	U
	Atrazine	1912-24-9	mg/kg	††	††	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
	Benzaldehyde	100-52-7	mg/kg	††	††	††		R		R		R		R		R		R
	Benzo(a)anthracene	56-55-3	mg/kg	1	††	5.6	0.17	U	0.061	J	0.19	U	0.19	U	0.18	U	0.19	U
	Benzo(a)pyrene	50-32-8	mg/kg	22	††	1	0.17	U	0.044	J	0.19	U	0.19	U	0.18	U	0.19	U
	Benzo(b)fluoranthene	205-99-2	mg/kg	1.7	††	5.6	0.17	U	0.078	J	0.0061	J	0.19	U	0.18	U	0.19	U
	Benzo(g,h,i)perylene	191-24-2	mg/kg	1,000	††	500	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
	Benzo(k)fluoranthene	207-08-9	mg/kg	1.7	††	56	0.17	U	0.036	J	0.0044	J	0.19	U	0.18	U	0.19	U
	Benzyl alcohol	100-51-6	mg/kg	††	††	††	0.33	UJ	0.35	UJ	0.38	U	0.36	U	0.35	U	0.37	U
	Bis(2-chloroethoxy)methane	111-91-1	mg/kg	††	††	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
	Bis(2-chloroethyl)ether	111-44-4	mg/kg	††	††	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
	Bis(2-ethylhexyl) phthalate	117-81-7	mg/kg	††	435	††	0.27	U	0.27	U	0.073	J	0.064	J	0.22	--	0.18	J
	Butyl benzyl phthalate	85-68-7	mg/kg	††	122	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
	Caprolactam	105-60-2	mg/kg	††	††	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
	Carbazole	86-74-8	mg/kg	††	††	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
	Chrysene	218-01-9	mg/kg	1	††	56	0.17	U	0.07	J	0.19	U	0.19	U	0.18	U	0.19	U
	Dibenz(a,h)anthracene	53-70-3	mg/kg	1,000	††	0.56	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
	Dibenzofuran	132-64-9	mg/kg	210	6.2	350	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
	Dicyclohexylamine	101-83-7	mg/kg	††	††	††	0.17	UJ	0.18	UJ	0.35	J	0.19	UJ	2.8	J	2.1	J
	Diethyl phthalate	84-66-2	mg/kg	††	7.1	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
	Dimethyl phthalate	131-11-3	mg/kg	††	27	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
	Di-n-butyl phthalate	84-74-2	mg/kg	††	8.1	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
	Di-n-octyl phthalate	117-84-0	mg/kg	††	120	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
	Fluoranthene	206-44-0	mg/kg	1,000	††	500	0.17	U	0.085	J	0.19	U	0.19	U	0.18	U	0.19	U
	Fluorene	86-73-7	mg/kg	386	††	500	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
	Hexachlorobenzene	118-74-1	mg/kg	3.2	1.4	6	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
	Hexachlorobutadiene	87-68-3	mg/kg	††	††	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
	Hexachlorocyclopentadiene	77-47-4	mg/kg	††	††	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
	Hexachloroethane	67-72-1	mg/kg	††	††	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
	Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	8.2	††	5.6	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
	Isophorone	78-59-1	mg/kg	††	4.4	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		PR 24A-1		PR 25-1		SR-1 ⁽¹⁾		SR-2		SR-3 ⁽¹⁾			
							Sample Date		7/25/2013 11:30		7/24/2013 14:00		8/6/2013 14:45		8/7/2013 14:45		8/6/2013 12:30		8/6/2013 12:30	
							Sample ID		TMW-PR24A1 (6-8)(072513)		TMW-PR251 (2-4)(072413)		SB-SR1 (4-6)(080613)		TMW-SR2 (2-4)(080713)		TMW-SR3 (6-9)(080613)		FD-03 (080613)	
							Depth Interval		6 - 8 ft		2 - 4 ft		4 - 6 ft		2 - 4 ft		6 - 9 ft		6 - 9 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	n,n-Dimethylaniline	121-69-7	mg/kg	††	††	††	0.17	UJ	0.18	UJ	0.19	UJ	0.19	UJ	0.18	UJ	0.19	UJ	0.19	UJ
	Naphthalene	91-20-3	mg/kg	12	††	500	0.17	U	0.18	U	0.0033	J	0.19	U	0.18	U	0.19	U	0.19	U
	Nitrobenzene	98-95-3	mg/kg	††	0.17	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U
	N-Nitroso-di-n-propylamine	621-64-7	mg/kg	††	††	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U
	N-Nitrosodiphenylamine	86-30-6	mg/kg	††	††	††	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U
	Pentachloropheno	87-86-5	mg/kg	0.8	††	6.7	0.33	U	0.35	U	0.38	U	0.36	U	0.35	U	0.37	U	0.37	U
	Phenanthrene	85-01-8	mg/kg	1,000	††	500	0.17	U	0.079	J	0.19	UB	0.19	UB	0.18	UB	0.19	UB	0.19	UB
	Phenol	108-95-2	mg/kg	0.33	††	500	0.17	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U
	Pyrene	129-00-0	mg/kg	1,000	††	500	0.17	U	0.1	J	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U
	Pyridine	110-86-1	mg/kg	††	††	††	0.33	UJ	0.35	UJ	0.38	U	0.36	U	0.35	U	0.37	U	0.37	U
	Triethylamine	121-44-8	mg/kg	††	††	††	0.33	UJ	0.35	UJ	0.38	UJ	0.36	UJ	0.35	UJ	0.37	UJ	0.37	UJ
TPH Method SW8015B/D	Ethanol	64-17-5	mg/kg	††	††	††	0.96	U	1	U	1.1	U	1.1	U	1	U	2.5	U	2.5	U
	Ethylene glyco	107-21-1	mg/kg	††	††	††	5	U	5.3	U	5.6	U	5.5	U	5.3	U	5.6	U	5.6	U
	Isobutanol	78-83-1	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Isopropyl alcohol	67-63-0	mg/kg	††	††	††	0.96	U	1	U	1.1	U	1.1	U	1	U	2.5	U	2.5	U
	Methanol	67-56-1	mg/kg	††	††	††	3.2	U	1	U	0.8	J	1.1	U	0.87	J	0.93	J	0.93	J
	Propylene glycol	57-55-6	mg/kg	††	††	††	5	U	5.3	U	5.6	U	5.5	U	5.3	U	5.6	U	5.6	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		SR-4 ⁽⁴⁾		SR-5		T-1		T-2		T-3		T-4 ⁽⁴⁾	
							Sample Date		8/7/2013 11:00		8/23/2013 9:00		8/23/2013 14:20		8/13/2013 10:40		8/15/2013 14:45		8/19/2013 9:30	
							Sample ID		TMW-SR4 (8-10)(080713)		TMW-SR5 (4-5.2)(082313)		TMW-T1 (6-8)(082313)		TMW-T2 (12-14)(081313)		TMW-T3 (7.6-8.2)(081513)		TMW-T4 (6-10)(081913)	
							Depth Interval		8 - 10 ft		4 - 5.2 ft		6 - 8 ft		12 - 14 ft		7.6 - 8.2 ft		6 - 10 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	††	500	0.0041	U	0.0058	U	0.0049	U	0.0061	J	0.0042	U	0.0039	U		
	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	††	0.6	††	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	mg/kg	††	6	††	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0027	J	0.0067	J		
	1,1,2-Trichloroethane	79-00-5	mg/kg	††	††	††	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	1,1-Dichloroethane	75-34-3	mg/kg	0.27	††	240	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	1,1-Dichloroethene	75-35-4	mg/kg	0.33	††	500	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.003	J		
	1,2,3-Trichlorobenzene	87-61-6	mg/kg	††	††	††	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	1,2,4-Trichlorobenzene	120-82-1	mg/kg	††	3.4	††	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	1,2,4-Trimethylbenzene	95-63-6	mg/kg	3.6	††	190	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.019	J		
	1,2-Dibromo-3-Chloropropane	96-12-8	mg/kg	††	††	††	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	1,2-Dibromoethane	106-93-4	mg/kg	††	††	††	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	††	500	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	1,2-Dichloroethane	107-06-2	mg/kg	0.02	††	30	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0045	J		
	1,2-Dichloropropane	78-87-5	mg/kg	††	††	††	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	1,3,5-Trimethylbenzene	108-67-8	mg/kg	8.4	††	190	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.89	DJ		
	1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	††	280	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	††	130	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	1,4-Dioxane	123-91-1	mg/kg	0.1	††	130	0.16	UJ	0.23	UJ	0.19	UJ	0.2	UJ	0.17	UJ	0.16	UJ		
	2-Butanone	78-93-3	mg/kg	0.12	0.3	500	0.0037	J	0.029	U	0.0051	J	0.0043	J	0.0053	J	0.035	J		
	2-Hexanone	591-78-6	mg/kg	††	††	††	0.02	U	0.029	U	0.024	U	0.025	U	0.021	U	0.0093	J		
	2-Nitropropane	79-46-9	mg/kg	††	††	††	0.013	J	0.029	UJ	0.024	UJ	0.025	UJ	0.021	UJ	0.019	UJ		
	4-Methyl-2-pentanone	108-10-1	mg/kg	††	1	††	0.02	U	0.029	U	0.024	U	0.025	U	0.0015	J	0.14	J		
	Acetone	67-64-1	mg/kg	0.05	††	500	0.026	J	0.01	J	0.032	J	0.12	J	0.042	J	1.5	EJ		
	Acetonitrile	75-05-8	mg/kg	††	††	††	0.16	U	0.23	UJ	0.19	UJ	0.2	U	0.17	UJ	0.16	UJ		
	Benzene	71-43-2	mg/kg	0.06	††	44	0.0041	U	0.0058	U	0.0049	U	0.0078	J	0.0042	U	0.0019	J		
	Bromochloromethane	74-97-5	mg/kg	††	††	††	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	Bromodichloromethane	75-27-4	mg/kg	††	††	††	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	Bromoform	75-25-2	mg/kg	††	††	††	0.0041	U	0.0058	UJ	0.0049	UJ	0.0051	UJ	0.0042	UJ	0.0039	U		
	Bromomethane	74-83-9	mg/kg	††	††	††	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	Carbon disulfide	75-15-0	mg/kg	††	2.7	††	0.0031	J	0.0058	U	0.0073	J	0.0026	J	0.0049	J	0.011	J		
	Carbon tetrachloride	56-23-5	mg/kg	0.76	††	22	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	Chlorobenzene	108-90-7	mg/kg	1.1	††	500	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	Chlorodifluoromethane	75-45-6	mg/kg	††	††	††	0.0041	UJ	0.0058	UJ	0.0049	UJ	0.0051	UJ	0.0042	UJ	0.0039	UJ		
	Chloroethane	75-00-3	mg/kg	††	1.9	††	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	Chloroform	67-66-3	mg/kg	0.37	††	350	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	Chloromethane	74-87-3	mg/kg	††	††	††	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	cis-1,2-Dichloroethene	156-59-2	mg/kg	0.25	††	500	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.00099	J	0.0039	U		
	cis-1,3-Dichloropropene	10061-01-5	mg/kg	††	††	††	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	Cyclohexane	110-82-7	mg/kg	††	††	††	0.0041	U	0.0058	U	0.0049	U	0.0074	J	0.00065	J	0.0039	U		
	Cyclohexanone	108-94-1	mg/kg	††	††	††	0.041	UJ	0.058	UJ	0.049	UJ	0.051	UJ	0.042	UJ	0.039	UJ		
	Dibromochloromethane	124-48-1	mg/kg	††	††	††	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	Dichlorodifluoromethane	75-71-8	mg/kg	††	††	††	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	UJ	0.0017	J		
	Diethyl ether	60-29-7	mg/kg	††	††	††	0.02	UJ	0.029	UJ	0.024	UJ	0.025	UJ	0.021	UJ	0.019	UJ		
	Ethyl acetate	141-78-6	mg/kg	††	††	††	0.0041	UJ	0.0058	UJ	0.0049	UJ	0.0051	UJ	0.0042	UJ	0.017	J		
	Ethylbenzene	100-41-4	mg/kg	1	††	390	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.00052	J	0.0011	J		

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		SR-4 ⁽⁴⁾		SR-5		T-1		T-2		T-3		T-4 ⁽⁴⁾	
							Sample Date		8/7/2013 11:00		8/23/2013 9:00		8/23/2013 14:20		8/13/2013 10:40		8/15/2013 14:45		8/19/2013 9:30	
							Sample ID		TMW-SR4 (8-10)(080713)		TMW-SR5 (4-5.2)(082313)		TMW-T1 (6-8)(082313)		TMW-T2 (12-14)(081313)		TMW-T3 (7.6-8.2)(081513)		TMW-T4 (6-10)(081913)	
							Depth Interval		8 - 10 ft		4 - 5.2 ft		6 - 8 ft		12 - 14 ft		7.6 - 8.2 ft		6 - 10 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Isobutanol	78-83-1	mg/kg	††	††	††	0.16	UJ	0.23	UJ	0.19	UJ	0.2	UJ	0.17	UJ	0.36	J		
	Isopropylbenzene	98-82-8	mg/kg	††	2.3	††	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	m&p-Xylene	179601-23-1	mg/kg	††	††	††	0.0082	U	0.012	U	0.0097	U	0.0097	J	0.0083	U	0.0041	J		
	Methyl acetate	79-20-9	mg/kg	††	††	††	0.0041	U	0.0058	U	0.0049	U	0.0025	J	0.0042	U	0.0039	U		
	Methyl tert-butyl ether	1634-04-4	mg/kg	0.93	††	500	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	Methylcyclohexane	108-87-2	mg/kg	††	††	††	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	63	D		
	Methylene Chloride	75-09-2	mg/kg	0.05	††	500	0.0089	J	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	Naphthalene	91-20-3	mg/kg	12	††	500	0.0041	UB	0.0058	U	0.0049	U	0.0088		0.0042	U	0.14	J		
	n-Butanol	71-36-3	mg/kg	††	††	††	0.16	UJ	0.23	UJ	0.19	UJ	0.2	UJ	0.17	UJ	0.16	UJ		
	n-Butylbenzene	104-51-8	mg/kg	12	††	500	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	n-Heptane	142-82-5	mg/kg	††	††	††	0.082	UJ	0.12	UJ	0.097	UJ	0.1	UJ	0.083	UJ	38	DJ		
	n-Hexane	110-54-3	mg/kg	††	††	††	0.041	UJ	0.058	UJ	0.049	UJ	0.051	UJ	0.0029	J	0.011	J		
	o-Xylene	95-47-6	mg/kg	††	††	††	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	p-Isopropyltoluene	99-87-6	mg/kg	††	10	††	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0033	J		
	sec-Butylbenzene	135-98-8	mg/kg	11	††	500	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	Styrene	100-42-5	mg/kg	††	††	††	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	tert-Butanol	75-65-0	mg/kg	††	††	††	0.082	UJ	0.12	UJ	0.097	UJ	0.1	UJ	0.083	UJ	0.078	UJ		
	tert-Butylbenzene	98-06-6	mg/kg	5.9	††	500	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	Tetrachloroethene	127-18-4	mg/kg	1.3	††	150	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	Tetrahydrofuran	109-99-9	mg/kg	††	††	††	0.02	U	0.011	J	0.024	U	0.014	J	0.021	U	0.019	U		
	Toluene	108-88-3	mg/kg	0.7	††	500	0.0041	U	0.0058	U	0.00056	J	0.00038	J	0.0042	U	0.0098	J		
	trans-1,2-Dichloroethene	156-60-5	mg/kg	0.19	††	500	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	trans-1,3-Dichloropropene	10061-02-6	mg/kg	††	††	††	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	Trichloroethene	79-01-6	mg/kg	0.47	††	200	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.002	J	0.0039	U		
	Trichlorofluoromethane	75-69-4	mg/kg	††	††	††	0.0041	U	0.0058	U	0.0049	U	0.00091	J	0.0042	U	0.0039	U		
	Vinyl chloride	75-01-4	mg/kg	0.02	††	13	0.0041	U	0.0058	U	0.0049	U	0.0051	U	0.0042	U	0.0039	U		
	Xylenes (total)	1330-20-7	mg/kg	1.6	††	500	0.0082	U	0.012	U	0.0097	U	0.0097	J	0.0083	U	0.0041	J		
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	mg/kg	††	††	††	0.2	U	0.19	U	0.17	U	0.12	J	0.19	U	0.09	J		
	1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	††	††	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	2,2'-Oxybis(1-Chloropropane)	108-60-1	mg/kg	††	††	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	††	††	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	2,4,5-Trichlorophenol	95-95-4	mg/kg	††	0.1	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	2,4,6-Trichlorophenol	88-06-2	mg/kg	††	††	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	2,4-Dichloropheno	120-83-2	mg/kg	††	0.4	††	0.2	UJ	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	2,4-Dimethylpheno	105-67-9	mg/kg	††	††	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	2,4-Dinitrophenol	51-28-5	mg/kg	††	0.2	††	0.38	U	0.38	U	0.34	U	0.36	UJ	0.37	UJ	1.7	U		
	2,4-Dinitrotoluene	121-14-2	mg/kg	††	††	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	2,6-Dinitrotoluene	606-20-2	mg/kg	††	0.17	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	2-Chloronaphthalene	91-58-7	mg/kg	††	††	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	2-Chloropheno	95-57-8	mg/kg	††	††	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	2-Methylnaphthalene	91-57-6	mg/kg	††	36.4	††	0.2	U	0.19	U	0.0028	J	0.032	J	0.0057	J	0.39	J		
	2-Methylpheno	95-48-7	mg/kg	0.33	††	500	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	2-Nitroaniline	88-74-4	mg/kg	††	0.4	††	0.38	U	0.38	U	0.34	U	0.36	U	0.37	U	1.7	U		
	2-Nitrophenol	88-75-5	mg/kg	††	0.3	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	3 & 4 Methylpheno	MEPH3MEPH4	mg/kg	††	††	††	0.38	U	0.38	U	0.34	U	0.36	U	0.37	U	1.7	U		

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		SR-4 ⁽⁴⁾		SR-5		T-1		T-2		T-3		T-4 ⁽⁴⁾	
							Sample Date		8/7/2013 11:00		8/23/2013 9:00		8/23/2013 14:20		8/13/2013 10:40		8/15/2013 14:45		8/19/2013 9:30	
							Sample ID		TMW-SR4 (8-10)(080713)		TMW-SR5 (4-5.2)(082313)		TMW-T1 (6-8)(082313)		TMW-T2 (12-14)(081313)		TMW-T3 (7.6-8.2)(081513)		TMW-T4 (6-10)(081913)	
							Depth Interval		8 - 10 ft		4 - 5.2 ft		6 - 8 ft		12 - 14 ft		7.6 - 8.2 ft		6 - 10 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	3,3'-Dichlorobenzidine	91-94-1	mg/kg	††	††	††	0.2	U	0.19	U	0.17	U	0.18	UJ	0.19	U	0.89	U		
	3-Nitroaniline	99-09-2	mg/kg	††	0.5	††	0.38	UJ	0.38	U	0.34	U	0.36	UJ	0.37	U	1.7	U		
	4,6-Dinitro-2-methylpheno	534-52-1	mg/kg	††	††	††	0.38	U	0.38	U	0.34	U	0.36	U	0.37	U	1.7	U		
	4-Bromophenyl phenyl ethe	101-55-3	mg/kg	††	††	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	4-Chloro-3-methylpheno	59-50-7	mg/kg	††	††	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	4-Chloroaniline	106-47-8	mg/kg	††	0.22	††	0.2	UJ	0.19	U	0.17	U	0.18	UJ	0.19	U	0.89	U		
	4-Chlorophenyl phenyl ethe	7005-72-3	mg/kg	††	††	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	4-Methylpheno	106-44-5	mg/kg	0.33	††	500	0.38	U	0.38	U	0.34	U	0.36	U	0.37	U	1.7	U		
	4-Nitroaniline	100-01-6	mg/kg	††	††	††	0.38	U	0.38	U	0.34	U	0.36	UJ	0.37	U	1.7	U		
	4-Nitrophenol	100-02-7	mg/kg	††	0.1	††	0.38	U	0.38	U	0.34	U	0.36	U	0.37	UJ	1.7	U		
	Acenaphthene	83-32-9	mg/kg	98	††	500	0.2	U	0.19	U	0.17	U	0.061	J	0.036	J	0.43	J		
	Acenaphthylene	208-96-8	mg/kg	107	††	500	0.2	U	0.19	U	0.17	U	0.09	J	0.0029	J	0.18	J		
	Acetophenone	98-86-2	mg/kg	††	††	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	Aniline	62-53-3	mg/kg	††	0.33	††	0.38	U	0.38	U	0.34	U	0.36	U	0.37	U	1.7	U		
	Anthracene	120-12-7	mg/kg	1,000	††	500	0.2	U	0.19	U	0.021	J	0.16	J	0.1	J	1.1	J		
	Atrazine	1912-24-9	mg/kg	††	††	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	Benzaldehyde	100-52-7	mg/kg	††	††	††		R		R		R	0.18	U	0.19	U	0.89	U		
	Benzo(a)anthracene	56-55-3	mg/kg	1	††	5.6	0.2	U	0.19	U	0.078	J	0.35		0.16	J	2.2			
	Benzo(a)pyrene	50-32-8	mg/kg	22	††	1	0.2	U	0.19	U	0.082	J	0.29		0.13	J	2.1			
	Benzo(b)fluoranthene	205-99-2	mg/kg	1.7	††	5.6	0.2	U	0.19	U	0.11	J	0.33		0.16	J	2.9			
	Benzo(g,h,i)perylene	191-24-2	mg/kg	1,000	††	500	0.2	U	0.19	U	0.041	J	0.22		0.13	J	1.7			
	Benzo(k)fluoranthene	207-08-9	mg/kg	1.7	††	56	0.2	U	0.19	U	0.046	J	0.12	J	0.077	J	1.3			
	Benzyl alcoho	100-51-6	mg/kg	††	††	††	0.38	U	0.38	U	0.34	U	0.36	U	0.37	U	1.7	U		
	Bis(2-chloroethoxy)methane	111-91-1	mg/kg	††	††	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	Bis(2-chloroethyl)ether	111-44-4	mg/kg	††	††	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	Bis(2-ethylhexyl) phthalate	117-81-7	mg/kg	††	435	††	0.25	--	0.19	U	0.34		0.87		0.14	J	0.29	J		
	Butyl benzyl phthalate	85-68-7	mg/kg	††	122	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	Caprolactam	105-60-2	mg/kg	††	††	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	Carbazole	86-74-8	mg/kg	††	††	††	0.2	U	0.19	U	0.0063	J	0.037	J	0.19	U	0.14	J		
	Chrysene	218-01-9	mg/kg	1	††	56	0.2	U	0.19	U	0.081	J	0.41		0.15	J	1.9			
	Dibenz(a,h)anthracene	53-70-3	mg/kg	1,000	††	0.56	0.2	U	0.19	U	0.17	U	0.022	J	0.19	U	0.44	J		
	Dibenzofuran	132-64-9	mg/kg	210	6.2	350	0.2	U	0.19	U	0.17	U	0.037	J	0.035	J	0.42	J		
	Dicyclohexylamine	101-83-7	mg/kg	††	††	††	50	DJ	34	EDJ	0.59	J	0.18	UJ	0.19	UJ	0.89	UJ		
	Diethyl phthalate	84-66-2	mg/kg	††	7.1	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	Dimethyl phthalate	131-11-3	mg/kg	††	27	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	Di-n-butyl phthalate	84-74-2	mg/kg	††	8.1	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	Di-n-octyl phthalate	117-84-0	mg/kg	††	120	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	Fluoranthene	206-44-0	mg/kg	1,000	††	500	0.2	U	0.19	U	0.13	J	0.76		0.37		5.1			
	Fluorene	86-73-7	mg/kg	386	††	500	0.2	U	0.19	U	0.0086	J	0.16	J	0.048	J	0.71	J		
	Hexachlorobenzene	118-74-1	mg/kg	3.2	1.4	6	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	Hexachlorobutadiene	87-68-3	mg/kg	††	††	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	Hexachlorocyclopentadiene	77-47-4	mg/kg	††	††	††	--	R	0.19	U	0.17	U	0.18	U	0.19	UJ	0.89	UJ		
	Hexachloroethane	67-72-1	mg/kg	††	††	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	8.2	††	5.6	0.2	U	0.19	U	0.046	J	0.13	J	0.087	J	1.4			
	Isophorone	78-59-1	mg/kg	††	4.4	††	0.2	U	0.19	U	0.17	U	0.92		0.19	U	0.89	U		

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		SR-4 ⁽⁴⁾		SR-5		T-1		T-2		T-3		T-4 ⁽⁴⁾	
							Sample Date		8/7/2013 11:00		8/23/2013 9:00		8/23/2013 14:20		8/13/2013 10:40		8/15/2013 14:45		8/19/2013 9:30	
							Sample ID		TMW-SR4 (8-10)(080713)		TMW-SR5 (4-5.2)(082313)		TMW-T1 (6-8)(082313)		TMW-T2 (12-14)(081313)		TMW-T3 (7.6-8.2)(081513)		TMW-T4 (6-10)(081913)	
							Depth Interval		8 - 10 ft		4 - 5.2 ft		6 - 8 ft		12 - 14 ft		7.6 - 8.2 ft		6 - 10 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	n,n-Dimethylaniline	121-69-7	mg/kg	††	††	††	0.2	UJ	0.19	UJ	0.17	UJ	0.18	UJ	0.19	UJ	0.89	UJ		
	Naphthalene	91-20-3	mg/kg	12	††	500	0.2	U	0.19	U	0.17	U	0.033	J	0.011	J	0.3	J		
	Nitrobenzene	98-95-3	mg/kg	††	0.17	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	N-Nitroso-di-n-propylamine	621-64-7	mg/kg	††	††	††	0.2	U	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	N-Nitrosodiphenylamine	86-30-6	mg/kg	††	††	††	0.2	U	0.19	U	0.17	U	0.031	J	0.19	U	0.89	U		
	Pentachloropheno	87-86-5	mg/kg	0.8	††	6.7	0.38	U	0.38	U	0.34	U	0.36	U	0.37	U	1.7	U		
	Phenanthrene	85-01-8	mg/kg	1,000	††	500	0.2	UB	0.0081	J	0.062	J	0.82		0.23		3.9			
	Phenol	108-95-2	mg/kg	0.33	††	500	0.05	J	0.19	U	0.17	U	0.18	U	0.19	U	0.89	U		
	Pyrene	129-00-0	mg/kg	1,000	††	500	0.2	U	0.19	U	0.14	J	0.83		0.29		0.16	J		
	Pyridine	110-86-1	mg/kg	††	††	††	0.38	U	0.38	U	0.34	U	0.36	U	0.37	U	1.7	U		
	Triethylamine	121-44-8	mg/kg	††	††	††	0.38	UJ	0.38	UJ	0.34	UJ	0.36	UJ	0.37	UJ	1.7	UJ		
TPH Method SW8015B/D	Ethanol	64-17-5	mg/kg	††	††	††	1.1	U	1.1	U	0.99	U	1	U	1.1	U	0.24	J		
	Ethylene glyco	107-21-1	mg/kg	††	††	††	5.7	U	5.8	U	5.1	U	5.3	U	5.6	U	5.1	U		
	Isobutanol	78-83-1	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--		
	Isopropyl alcohol	67-63-0	mg/kg	††	††	††	1.1	U	1.1	U	0.99	U	1	U	1.1	U	1.6			
	Methanol	67-56-1	mg/kg	††	††	††	0.34	J	1.1	U	0.99	U	1.2	UB	1.1	U	3.2			
	Propylene glycol	57-55-6	mg/kg	††	††	††	5.7	U	5.8	U	5.1	U	5.3	U	5.6	U	1.9	J		

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		T-5 ⁽¹⁾		T-5		T-6		T-7		T-8 ⁽¹⁾		T-9	
							Sample Date		8/15/2013 15:15		8/16/2013 14:00		8/19/2013 14:40		8/22/2013 11:00		8/21/2013 15:00		8/20/2013 11:00	
							Sample ID		TMW-T5 (12-14)(081513)		TMW-T5 (28-30)(081613)		TMW-T6 (15-17)(081913)		TMW-T7 (9-11)(082213)		SB-T8 (14-18)(082113)		TMW-T9 (16-18)(082013)	
							Depth Interval		12 - 14 ft		28 - 30 ft		15 - 17 ft		9 - 11 ft		14 - 18 ft		16 - 18 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	††	500	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	††	0.6	††	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	mg/kg	††	6	††	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	1,1,2-Trichloroethane	79-00-5	mg/kg	††	††	††	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	1,1-Dichloroethane	75-34-3	mg/kg	0.27	††	240	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	1,1-Dichloroethene	75-35-4	mg/kg	0.33	††	500	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	1,2,3-Trichlorobenzene	87-61-6	mg/kg	††	††	††	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	1,2,4-Trichlorobenzene	120-82-1	mg/kg	††	3.4	††	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	1,2,4-Trimethylbenzene	95-63-6	mg/kg	3.6	††	190	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	1,2-Dibromo-3-Chloropropane	96-12-8	mg/kg	††	††	††	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	1,2-Dibromoethane	106-93-4	mg/kg	††	††	††	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	††	500	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	1,2-Dichloroethane	107-06-2	mg/kg	0.02	††	30	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	1,2-Dichloropropane	78-87-5	mg/kg	††	††	††	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	1,3,5-Trimethylbenzene	108-67-8	mg/kg	8.4	††	190	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	††	280	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	††	130	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	1,4-Dioxane	123-91-1	mg/kg	0.1	††	130	0.17	UJ	0.15	UJ	0.17	UJ	0.17	UJ	0.17	UJ	0.15	UJ	0.15	UJ
	2-Butanone	78-93-3	mg/kg	0.12	0.3	500	0.045		0.024		0.021	U	0.022	U	0.022	U	0.019	U	0.0061	J
	2-Hexanone	591-78-6	mg/kg	††	††	††	0.021	U	0.019	U	0.021	U	0.022	U	0.022	U	0.019	U	0.019	U
	2-Nitropropane	79-46-9	mg/kg	††	††	††	0.021	UJ	0.019	UJ	0.021	UJ	0.022	UJ	0.022	UJ	0.019	UJ	0.019	UJ
	4-Methyl-2-pentanone	108-10-1	mg/kg	††	1	††	13	D	4.9	DJ	0.0018	J	0.0043	J	0.015	J	0.015	J	0.16	
	Acetone	67-64-1	mg/kg	0.05	††	500	6	D	3.1	D	0.021	U	0.021	U	0.021	J	0.28	J	1.6	D
	Acetonitrile	75-05-8	mg/kg	††	††	††	0.028	J	0.15	UJ	0.17	UJ	0.17	UJ	0.17	UJ	0.15	UJ	0.15	UJ
	Benzene	71-43-2	mg/kg	0.06	††	44	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	Bromochloromethane	74-97-5	mg/kg	††	††	††	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	Bromodichloromethane	75-27-4	mg/kg	††	††	††	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	Bromoform	75-25-2	mg/kg	††	††	††	0.0042	UJ	0.0037	U	0.0042	U	0.0042	U	0.0043	UJ	0.0038	U	0.0037	U
	Bromomethane	74-83-9	mg/kg	††	††	††	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	Carbon disulfide	75-15-0	mg/kg	††	2.7	††	0.0072	--	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0068	
	Carbon tetrachloride	56-23-5	mg/kg	0.76	††	22	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	Chlorobenzene	108-90-7	mg/kg	1.1	††	500	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	Chlorodifluoromethane	75-45-6	mg/kg	††	††	††	0.0042	UJ	0.0037	UJ	0.0042	UJ	0.0042	UJ	0.0043	UJ	0.0038	UJ	0.0037	UJ
	Chloroethane	75-00-3	mg/kg	††	1.9	††	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	Chloroform	67-66-3	mg/kg	0.37	††	350	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	Chloromethane	74-87-3	mg/kg	††	††	††	0.0042	U	0.0067		0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	cis-1,2-Dichloroethene	156-59-2	mg/kg	0.25	††	500	0.0042	U	0.002	J	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	cis-1,3-Dichloropropene	10061-01-5	mg/kg	††	††	††	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	Cyclohexane	110-82-7	mg/kg	††	††	††	0.00093	J	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	Cyclohexanone	108-94-1	mg/kg	††	††	††	0.042	UJ	0.037	UJ	0.042	UJ	0.043	UJ	0.038	UJ	0.038	UJ	0.037	UJ
	Dibromochloromethane	124-48-1	mg/kg	††	††	††	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	Dichlorodifluoromethane	75-71-8	mg/kg	††	††	††	0.0042	UJ	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U
	Diethyl ether	60-29-7	mg/kg	††	††	††	0.021	UJ	0.019	UJ	0.021	UJ	0.022	UJ	0.019	UJ	0.019	UJ	0.019	UJ
	Ethyl acetate	141-78-6	mg/kg	††	††	††	0.0042	UJ	0.0037	UJ	0.0042	UJ	0.0042	UJ	0.0043	UJ	0.0038	UJ	0.0037	UJ
	Ethylbenzene	100-41-4	mg/kg	1	††	390	0.0042	U	0.0037	U	0.0042	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Location Sample Date		T-5 ⁽¹⁾		T-5		T-6		T-7		T-8 ⁽¹⁾		T-9	
							Sample ID	Depth Interval	8/15/2013 15:15		8/16/2013 14:00		8/19/2013 14:40		8/22/2013 11:00		8/21/2013 15:00		8/20/2013 11:00	
									TMW-T5 (12-14)(081513)		TMW-T5 (28-30)(081613)		TMW-T6 (15-17)(081913)		TMW-T7 (9-11)(082213)		SB-T8 (14-18)(082113)		TMW-T9 (16-18)(082013)	
									12 - 14 ft		28 - 30 ft		15 - 17 ft		9 - 11 ft		14 - 18 ft		16 - 18 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Isobutanol	78-83-1	mg/kg	††	††	††	0.32	J	0.15	J	0.17	UJ	0.17	UJ	0.15	UJ	0.061	J		
	Isopropylbenzene	98-82-8	mg/kg	††	2.3	††	0.0042	U	0.0037	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U		
	m&p-Xylene	179601-23-1	mg/kg	††	††	††	0.0084	U	0.0074	U	0.0085	U	0.0087	U	0.0076	U	0.0075	U		
	Methyl acetate	79-20-9	mg/kg	††	††	††	0.0042	U	0.0037	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U		
	Methyl tert-butyl ether	1634-04-4	mg/kg	0.93	††	500	0.0042	U	0.0037	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U		
	Methylcyclohexane	108-87-2	mg/kg	††	††	††	0.0042	U	0.0037	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U		
	Methylene Chloride	75-09-2	mg/kg	0.05	††	500	6.6	D	27	D	0.0042	U	0.0043	U	0.0038	U	0.0037	U		
	Naphthalene	91-20-3	mg/kg	12	††	500	0.0019	J	0.0037	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U		
	n-Butanol	71-36-3	mg/kg	††	††	††	2	J	0.91	J	0.17	UJ	0.17	UJ	0.43	J	0.78	J		
	n-Butylbenzene	104-51-8	mg/kg	12	††	500	0.0042	U	0.0037	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U		
	n-Heptane	142-82-5	mg/kg	††	††	††	0.084	UJ	0.074	UJ	0.085	UJ	0.087	UJ	0.076	UJ	0.075	UJ		
	n-Hexane	110-54-3	mg/kg	††	††	††	0.042	UJ	0.037	UJ	0.042	UJ	0.043	UJ	0.038	UJ	0.037	UJ		
	o-Xylene	95-47-6	mg/kg	††	††	††	0.0042	U	0.0037	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U		
	p-Isopropyltoluene	99-87-6	mg/kg	††	10	††	0.0042	U	0.0037	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U		
	sec-Butylbenzene	135-98-8	mg/kg	11	††	500	0.0042	U	0.0037	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U		
	Styrene	100-42-5	mg/kg	††	††	††	0.0042	U	0.0037	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U		
	tert-Butanol	75-65-0	mg/kg	††	††	††	0.084	UJ	0.074	UJ	0.085	UJ	0.087	UJ	0.076	UJ	0.075	UJ		
	tert-Butylbenzene	98-06-6	mg/kg	5.9	††	500	0.0042	U	0.0037	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U		
	Tetrachloroethene	127-18-4	mg/kg	1.3	††	150	0.0042	U	0.0037	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U		
	Tetrahydrofuran	109-99-9	mg/kg	††	††	††	0.0095	J	0.0034	J	0.021	U	0.022	U	0.019	U	0.019	U		
	Toluene	108-88-3	mg/kg	0.7	††	500	0.0052		0.0037	UB	0.0042	U	0.0043	U	0.0038	U	0.0037	UB		
	trans-1,2-Dichloroethene	156-60-5	mg/kg	0.19	††	500	0.0042	U	0.0037	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U		
	trans-1,3-Dichloropropene	10061-02-6	mg/kg	††	††	††	0.0042	U	0.0037	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U		
	Trichloroethene	79-01-6	mg/kg	0.47	††	200	0.0042	U	0.0037	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U		
	Trichlorofluoromethane	75-69-4	mg/kg	††	††	††	0.0042	U	0.0037	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U		
	Vinyl chloride	75-01-4	mg/kg	0.02	††	13	0.0042	U	0.0037	U	0.0042	U	0.0043	U	0.0038	U	0.0037	U		
	Xylenes (total)	1330-20-7	mg/kg	1.6	††	500	0.0084	U	0.0074	U	0.0085	U	0.0087	U	0.0076	U	0.0075	U		
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	mg/kg	††	††	††	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U		
	1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	††	††	††	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U		
	2,2'-Oxybis(1-Chloropropane)	108-60-1	mg/kg	††	††	††	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U		
	2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	††	††	††	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U		
	2,4,5-Trichlorophenol	95-95-4	mg/kg	††	0.1	††	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U		
	2,4,6-Trichlorophenol	88-06-2	mg/kg	††	††	††	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U		
	2,4-Dichloropheno	120-83-2	mg/kg	††	0.4	††	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U		
	2,4-Dimethylpheno	105-67-9	mg/kg	††	††	††	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U		
	2,4-Dinitrophenol	51-28-5	mg/kg	††	0.2	††	0.35	U	0.37	U	0.34	U	0.37	U	0.35	U	0.35	U		
	2,4-Dinitrotoluene	121-14-2	mg/kg	††	††	††	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U		
	2,6-Dinitrotoluene	606-20-2	mg/kg	††	0.17	††	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U		
	2-Chloronaphthalene	91-58-7	mg/kg	††	††	††	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U		
	2-Chloropheno	95-57-8	mg/kg	††	††	††	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U		
	2-Methylnaphthalene	91-57-6	mg/kg	††	36.4	††	0.0039	J	0.19	U	0.0056	J	0.0075	J	0.18	U	0.0036	J		
	2-Methylpheno	95-48-7	mg/kg	0.33	††	500	0.015	J	0.0095	J	0.18	U	0.19	U	0.18	U	0.18	U		
	2-Nitroaniline	88-74-4	mg/kg	††	0.4	††	0.35	U	0.37	U	0.34	U	0.37	U	0.35	U	0.35	U		
	2-Nitrophenol	88-75-5	mg/kg	††	0.3	††	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U		
	3 & 4 Methylpheno	MEPH3MEPH4	mg/kg	††	††	††	0.038	J	0.011	J	0.34	U	0.37	U	0.35	U	0.35	U		

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		T-5 ⁽¹⁾		T-5		T-6		T-7		T-8 ⁽¹⁾		T-9	
							Sample Date		8/15/2013 15:15		8/16/2013 14:00		8/19/2013 14:40		8/22/2013 11:00		8/21/2013 15:00		8/20/2013 11:00	
							Sample ID		TMW-T5 (12-14)(081513)		TMW-T5 (28-30)(081613)		TMW-T6 (15-17)(081913)		TMW-T7 (9-11)(082213)		SB-T8 (14-18)(082113)		TMW-T9 (16-18)(082013)	
							Depth Interval		12 - 14 ft		28 - 30 ft		15 - 17 ft		9 - 11 ft		14 - 18 ft		16 - 18 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	3,3'-Dichlorobenzidine	91-94-1	mg/kg	††	††	††	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	UJ	0.18	U
	3-Nitroaniline	99-09-2	mg/kg	††	0.5	††	0.35	U	0.37	U	0.34	U	0.37	U	0.37	U	0.35	UJ	0.35	U
	4,6-Dinitro-2-methylpheno	534-52-1	mg/kg	††	††	††	0.35	U	0.37	U	0.34	U	0.37	U	0.37	U	0.35	U	0.35	U
	4-Bromophenyl phenyl ethe	101-55-3	mg/kg	††	††	††	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U
	4-Chloro-3-methylpheno	59-50-7	mg/kg	††	††	††	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U
	4-Chloroaniline	106-47-8	mg/kg	††	0.22	††	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	UJ	0.18	U
	4-Chlorophenyl phenyl ethe	7005-72-3	mg/kg	††	††	††	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U
	4-Methylpheno	106-44-5	mg/kg	0.33	††	500	0.038	J	0.011	J	0.34	U	0.37	U	0.37	U	0.35	U	0.35	U
	4-Nitroaniline	100-01-6	mg/kg	††	††	††	0.35	U	0.37	U	0.34	U	0.37	U	0.37	U	0.35	U	0.35	U
	4-Nitrophenol	100-02-7	mg/kg	††	0.1	††	0.35	U	0.37	U	0.34	U	0.37	U	0.37	U	0.35	U	0.35	U
	Acenaphthene	83-32-9	mg/kg	98	††	500	0.003	J	0.19	U	0.0072	J	0.011	J	0.18	U	0.18	U	0.18	U
	Acenaphthylene	208-96-8	mg/kg	107	††	500	0.18	U	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U
	Acetophenone	98-86-2	mg/kg	††	††	††	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.012	J
	Aniline	62-53-3	mg/kg	††	0.33	††	0.35	U	0.37	U	0.34	U	0.37	U	0.37	U	0.35	U	0.35	U
	Anthracene	120-12-7	mg/kg	1,000	††	500	0.006	J	0.19	U	0.017	J	0.021	J	0.18	U	0.18	U	0.027	J
	Atrazine	1912-24-9	mg/kg	††	††	††	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	UJ	0.18	U
	Benzaldehyde	100-52-7	mg/kg	††	††	††	0.041	J		R	0.18	U			R		0.18	UJ		R
	Benzo(a)anthracene	56-55-3	mg/kg	1	††	5.6	0.016	J	0.19	U	0.026	J	0.058	J	0.18	U	0.18	U	0.058	J
	Benzo(a)pyrene	50-32-8	mg/kg	22	††	1	0.18	U	0.19	U	0.024	J	0.049	J	0.18	U	0.18	U	0.05	J
	Benzo(b)fluoranthene	205-99-2	mg/kg	1.7	††	5.6	0.016	J	0.19	U	0.033	J	0.076	J	0.18	U	0.18	U	0.063	J
	Benzo(g,h,i)perylene	191-24-2	mg/kg	1,000	††	500	0.18	U	0.19	U	0.18	U	0.091	J	0.18	U	0.18	U	0.032	J
	Benzo(k)fluoranthene	207-08-9	mg/kg	1.7	††	56	0.01	J	0.19	U	0.015	J	0.037	J	0.18	U	0.18	U	0.047	J
	Benzyl alcoho	100-51-6	mg/kg	††	††	††	0.013	J	0.37	U	0.34	U	0.37	U	0.35	U	0.35	U	0.35	U
	Bis(2-chloroethoxy)methane	111-91-1	mg/kg	††	††	††	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U
	Bis(2-chloroethyl)ether	111-44-4	mg/kg	††	††	††	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U
	Bis(2-ethylhexyl) phthalate	117-81-7	mg/kg	††	435	††	0.15	J	0.11	J	0.15	J	0.29	J			0.37		0.36	
	Butyl benzyl phthalate	85-68-7	mg/kg	††	122	††	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U
	Caprolactam	105-60-2	mg/kg	††	††	††	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	UJ	0.18	U
	Carbazole	86-74-8	mg/kg	††	††	††	0.18	U	0.19	U	0.0068	J	0.0092	J	0.18	U	0.18	U	0.016	J
	Chrysene	218-01-9	mg/kg	1	††	56	0.014	J	0.19	U	0.024	J	0.048	J	0.18	U	0.18	U	0.049	J
	Dibenz(a,h)anthracene	53-70-3	mg/kg	1,000	††	0.56	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U
	Dibenzofuran	132-64-9	mg/kg	210	6.2	350	0.0021	J	0.19	U	0.0058	J	0.0094	J	0.18	U	0.18	U	0.18	U
	Dicyclohexylamine	101-83-7	mg/kg	††	††	††	0.18	UJ	0.19	UJ	0.18	UJ	0.18	UJ	0.18	UJ	0.18	UJ	2.6	J
	Diethyl phthalate	84-66-2	mg/kg	††	7.1	††	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U
	Dimethyl phthalate	131-11-3	mg/kg	††	27	††	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U
	Di-n-butyl phthalate	84-74-2	mg/kg	††	8.1	††	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U
	Di-n-octyl phthalate	117-84-0	mg/kg	††	120	††	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U
	Fluoranthene	206-44-0	mg/kg	1,000	††	500	0.026	J	0.0048	J	0.054	J	0.13	J	0.13	J	0.0045	J	0.13	J
	Fluorene	86-73-7	mg/kg	386	††	500	0.18	U	0.19	U	0.0072	J	0.0095	J	0.18	U	0.18	U	0.011	J
	Hexachlorobenzene	118-74-1	mg/kg	3.2	1.4	6	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U
	Hexachlorobutadiene	87-68-3	mg/kg	††	††	††	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U
	Hexachlorocyclopentadiene	77-47-4	mg/kg	††	††	††	0.18	UJ	0.19	U	0.18	UJ	0.18	UJ	0.19	UJ	0.18	UJ	0.18	U
	Hexachloroethane	67-72-1	mg/kg	††	††	††	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U
	Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	8.2	††	5.6	0.18	U	0.19	U	0.18	U	0.18	U	0.037	J	0.18	U	0.029	J
	Isophorone	78-59-1	mg/kg	††	4.4	††	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		T-5 ⁽¹⁾		T-5		T-6		T-7		T-8 ⁽¹⁾		T-9	
							Sample Date		8/15/2013 15:15		8/16/2013 14:00		8/19/2013 14:40		8/22/2013 11:00		8/21/2013 15:00		8/20/2013 11:00	
							Sample ID		TMW-T5 (12-14)(081513)		TMW-T5 (28-30)(081613)		TMW-T6 (15-17)(081913)		TMW-T7 (9-11)(082213)		SB-T8 (14-18)(082113)		TMW-T9 (16-18)(082013)	
							Depth Interval		12 - 14 ft		28 - 30 ft		15 - 17 ft		9 - 11 ft		14 - 18 ft		16 - 18 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	n,n-Dimethylaniline	121-69-7	mg/kg	††	††	††	0.18	UJ	0.19	UJ	0.18	UJ	0.18	UJ	0.19	UJ	0.18	UJ	0.18	UJ
	Naphthalene	91-20-3	mg/kg	12	††	500	0.075	J	0.19	U	0.012	J	0.016	J	0.18	U	0.18	U	0.18	U
	Nitrobenzene	98-95-3	mg/kg	††	0.17	††	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U
	N-Nitroso-di-n-propylamine	621-64-7	mg/kg	††	††	††	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U
	N-Nitrosodiphenylamine	86-30-6	mg/kg	††	††	††	0.18	U	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U	0.18	U
	Pentachloropheno	87-86-5	mg/kg	0.8	††	6.7	0.35	U	0.37	U	0.34	U	0.37	U	0.35	U	0.35	U	0.35	U
	Phenanthrene	85-01-8	mg/kg	1,000	††	500	0.021	J	0.0057	J	0.053	J	0.08	J	0.0059	J	0.1	J	0.1	J
	Phenol	108-95-2	mg/kg	0.33	††	500	0.23		0.1	J	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U
	Pyrene	129-00-0	mg/kg	1,000	††	500	0.027	J	0.0049	J	0.052	J	0.1	J	0.003	J	0.1	J	0.1	J
	Pyridine	110-86-1	mg/kg	††	††	††	0.35	U	0.37	U	0.34	U	0.37	U	0.35	U	0.35	U	0.35	U
	Triethylamine	121-44-8	mg/kg	††	††	††	0.35	UJ	0.37	UJ	0.34	UJ	0.37	UJ	0.35	UJ	3.6	J		
TPH Method SW8015B/D	Ethanol	64-17-5	mg/kg	††	††	††	1	U	1.1	U	1	U	10	U	1	U	10	U	10	U
	Ethylene glyco	107-21-1	mg/kg	††	††	††	5.2	U	5.4	U	5.1	U	55	U	5.3	U	5.3	U	5.3	U
	Isobutanol	78-83-1	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Isopropyl alcohol	67-63-0	mg/kg	††	††	††	6.4		5		1	U	10	U	1	U	10	U	10	U
	Methanol	67-56-1	mg/kg	††	††	††	2.4		2		1	U	10	U	1	UJ	10	UJ	10	UJ
	Propylene glycol	57-55-6	mg/kg	††	††	††	5.2	U	5.4	U	5.1	U	55	U	5.3	U	5.3	U	5.3	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date Sample ID Depth Interval							T-10 ⁽¹⁾		T-11		T-12		T-13				T-14	
							8/14/2013 13:45		8/15/2013 9:30		8/20/2013 15:30		8/21/2013 10:25		8/21/2013 10:25		8/21/2013 15:15	
							TMW-T-10 (5-7.5)(081413)		TMW-T11 (6-7)(081513)		TMW-T12 (6-8)(082013)		TMW-T13 (4-6)(082113)		FD-04 (082113)		SB-T14 (8-10)(082113)	
							5 - 7.5 ft		6 - 7 ft		6 - 8 ft		4 - 6 ft		4 - 6 ft		8 - 10 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	††	500	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	††	0.6	††	0.0034	UJ	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	mg/kg	††	6	††	0.0034	U	0.0037	U	0.0034	J	0.0056	U	0.0047	U	0.0053	U
	1,1,2-Trichloroethane	79-00-5	mg/kg	††	††	††	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	1,1-Dichloroethane	75-34-3	mg/kg	0.27	††	240	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	1,1-Dichloroethene	75-35-4	mg/kg	0.33	††	500	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	1,2,3-Trichlorobenzene	87-61-6	mg/kg	††	††	††	0.0034	UJ	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	1,2,4-Trichlorobenzene	120-82-1	mg/kg	††	3.4	††	0.0034	UJ	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	1,2,4-Trimethylbenzene	95-63-6	mg/kg	3.6	††	190	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	1,2-Dibromo-3-Chloropropane	96-12-8	mg/kg	††	††	††	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	1,2-Dibromoethane	106-93-4	mg/kg	††	††	††	0.0034	UJ	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	††	500	0.00037	J	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	1,2-Dichloroethane	107-06-2	mg/kg	0.02	††	30	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	1,2-Dichloropropane	78-87-5	mg/kg	††	††	††	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	1,3,5-Trimethylbenzene	108-67-8	mg/kg	8.4	††	190	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	††	280	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	††	130	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	1,4-Dioxane	123-91-1	mg/kg	0.1	††	130	0.14	UJ	0.15	UJ	0.16	UJ	0.22	UJ	0.19	UJ	0.21	UJ
	2-Butanone	78-93-3	mg/kg	0.12	0.3	500	0.0069	J	0.0032	J	0.01	J	0.028	U	0.0059	J	0.026	U
	2-Hexanone	591-78-6	mg/kg	††	††	††	0.017	U	0.018	U	0.02	U	0.028	U	0.024	U	0.026	U
	2-Nitropropane	79-46-9	mg/kg	††	††	††	0.017	UJ	0.018	UJ	0.02	UJ	0.028	UJ	0.024	UJ	0.026	UJ
	4-Methyl-2-pentanone	108-10-1	mg/kg	††	1	††	0.0034	J	0.0036	J	0.74		0.028	U	0.024	U	0.026	U
	Acetone	67-64-1	mg/kg	0.05	††	500	0.084	J	0.084		0.22	J	0.01	J	0.049	J	0.024	J
	Acetonitrile	75-05-8	mg/kg	††	††	††	0.14	UJ	0.15	UJ	0.16	UJ	0.22	UJ	0.19	UJ	0.21	UJ
	Benzene	71-43-2	mg/kg	0.06	††	44	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	Bromochloromethane	74-97-5	mg/kg	††	††	††	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	Bromodichloromethane	75-27-4	mg/kg	††	††	††	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	Bromoform	75-25-2	mg/kg	††	††	††	0.0034	U	0.0037	UJ	0.004	U	0.0056	U	0.0047	U	0.0053	U
	Bromomethane	74-83-9	mg/kg	††	††	††	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	Carbon disulfide	75-15-0	mg/kg	††	2.7	††	0.0045		0.0037	U	0.0075		0.0056	U	0.011	--	0.0046	J
	Carbon tetrachloride	56-23-5	mg/kg	0.76	††	22	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	Chlorobenzene	108-90-7	mg/kg	1.1	††	500	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	Chlorodifluoromethane	75-45-6	mg/kg	††	††	††	0.0034	UJ	0.0037	UJ	0.004	UJ	0.0056	UJ	0.0047	UJ	0.0053	UJ
	Chloroethane	75-00-3	mg/kg	††	1.9	††	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	Chloroform	67-66-3	mg/kg	0.37	††	350	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	Chloromethane	74-87-3	mg/kg	††	††	††	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	cis-1,2-Dichloroethene	156-59-2	mg/kg	0.25	††	500	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	cis-1,3-Dichloropropene	10061-01-5	mg/kg	††	††	††	0.0034	UJ	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	Cyclohexane	110-82-7	mg/kg	††	††	††	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	Cyclohexanone	108-94-1	mg/kg	††	††	††	0.034	UJ	0.037	UJ	0.04	UJ	0.056	UJ	0.047	UJ	0.053	UJ
	Dibromochloromethane	124-48-1	mg/kg	††	††	††	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	Dichlorodifluoromethane	75-71-8	mg/kg	††	††	††	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	Diethyl ether	60-29-7	mg/kg	††	††	††	0.017	UJ	0.018	UJ	0.02	UJ	0.028	UJ	0.024	UJ	0.026	UJ
	Ethyl acetate	141-78-6	mg/kg	††	††	††	0.0034	UJ	0.0037	UJ	0.004	UJ	0.0056	UJ	0.0047	UJ	0.0053	UJ
	Ethylbenzene	100-41-4	mg/kg	1	††	390	0.0034	U	0.0037	U	0.00039	J	0.0056	U	0.0047	U	0.0053	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Location		T-10 ⁽¹⁾		T-11		T-12		T-13		T-14	
							Sample Date		8/14/2013 13:45		8/15/2013 9:30		8/20/2013 15:30		8/21/2013 10:25		8/21/2013 10:25	
							Sample ID		TMW-T-10 (5-7.5)(081413)		TMW-T11 (6-7)(081513)		TMW-T12 (6-8)(082013)		TMW-T13 (4-6)(082113)		FD-04 (082113)	
							Depth Interval		5 - 7.5 ft		6 - 7 ft		6 - 8 ft		4 - 6 ft		4 - 6 ft	
							Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Isobutanol	78-83-1	mg/kg	††	††	††	0.14	UJ	0.15	UJ	0.16	UJ	0.22	UJ	0.19	UJ	0.21	UJ
	Isopropylbenzene	98-82-8	mg/kg	††	2.3	††	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	m&p-Xylene	179601-23-1	mg/kg	††	††	††	0.0069	U	0.0073	U	0.00086	J	0.011	U	0.0095	U	0.011	U
	Methyl acetate	79-20-9	mg/kg	††	††	††	0.0034	U	0.0015	J	0.004	U	0.0056	U	0.0047	U	0.0053	U
	Methyl tert-butyl ether	1634-04-4	mg/kg	0.93	††	500	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	Methylcyclohexane	108-87-2	mg/kg	††	††	††	0.0034	U	0.0037	U	0.00097	J	0.0056	U	0.0047	U	0.0053	U
	Methylene Chloride	75-09-2	mg/kg	0.05	††	500	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	Naphthalene	91-20-3	mg/kg	12	††	500	0.0034	UB	0.0037	U	0.013	J	0.0056	U	0.0012	J	0.0053	U
	n-Butanol	71-36-3	mg/kg	††	††	††	0.14	UJ	0.15	UJ	0.22	UJ	0.19	UJ	0.21	UJ	0.21	UJ
	n-Butylbenzene	104-51-8	mg/kg	12	††	500	0.0034	UJ	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	n-Heptane	142-82-5	mg/kg	††	††	††	0.069	UJ	0.073	UJ	0.081	UJ	0.11	UJ	0.095	UJ	0.11	UJ
	n-Hexane	110-54-3	mg/kg	††	††	††	0.034	UJ	0.037	UJ	0.04	UJ	0.056	UJ	0.047	UJ	0.053	UJ
	o-Xylene	95-47-6	mg/kg	††	††	††	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	p-Isopropyltoluene	99-87-6	mg/kg	††	10	††	0.0034	UJ	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	sec-Butylbenzene	135-98-8	mg/kg	11	††	500	0.0034	UJ	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	Styrene	100-42-5	mg/kg	††	††	††	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	tert-Butanol	75-65-0	mg/kg	††	††	††	0.069	UJ	0.073	UJ	0.081	UJ	0.11	UJ	0.095	UJ	0.11	UJ
	tert-Butylbenzene	98-06-6	mg/kg	5.9	††	500	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	Tetrachloroethene	127-18-4	mg/kg	1.3	††	150	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	Tetrahydrofuran	109-99-9	mg/kg	††	††	††	0.017	U	0.018	U	0.02	U	0.028	U	0.024	U	0.026	U
	Toluene	108-88-3	mg/kg	0.7	††	500	0.0034	U	0.0037	U	0.004	UB	0.0056	U	0.00048	J	0.0053	U
	trans-1,2-Dichloroethene	156-60-5	mg/kg	0.19	††	500	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	trans-1,3-Dichloropropene	10061-02-6	mg/kg	††	††	††	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	Trichloroethene	79-01-6	mg/kg	0.47	††	200	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	Trichlorofluoromethane	75-69-4	mg/kg	††	††	††	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	Vinyl chloride	75-01-4	mg/kg	0.02	††	13	0.0034	U	0.0037	U	0.004	U	0.0056	U	0.0047	U	0.0053	U
	Xylenes (total)	1330-20-7	mg/kg	1.6	††	500	0.0069	U	0.0073	U	0.00086	J	0.011	U	0.0095	U	0.011	U
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	mg/kg	††	††	††	0.17	U	0.19	U	0.037	J	0.2	U	0.18	U	0.18	U
	1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	††	††	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	2,2'-Oxybis(1-Chloropropane)	108-60-1	mg/kg	††	††	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	††	††	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	2,4,5-Trichlorophenol	95-95-4	mg/kg	††	0.1	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	2,4,6-Trichlorophenol	88-06-2	mg/kg	††	††	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	2,4-Dichloropheno	120-83-2	mg/kg	††	0.4	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	2,4-Dimethylpheno	105-67-9	mg/kg	††	††	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	2,4-Dinitrophenol	51-28-5	mg/kg	††	0.2	††	0.33	UJ	0.36	UJ	0.36	U	0.38	U	0.36	U	0.35	U
	2,4-Dinitrotoluene	121-14-2	mg/kg	††	††	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	2,6-Dinitrotoluene	606-20-2	mg/kg	††	0.17	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	2-Chloronaphthalene	91-58-7	mg/kg	††	††	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	2-Chloropheno	95-57-8	mg/kg	††	††	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	2-Methylnaphthalene	91-57-6	mg/kg	††	36.4	††	0.0026	J	0.0052	J	0.11	J	0.0093	J	0.013	J	0.0032	J
	2-Methylpheno	95-48-7	mg/kg	0.33	††	500	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	2-Nitroaniline	88-74-4	mg/kg	††	0.4	††	0.33	UJ	0.36	U	0.36	U	0.38	U	0.36	U	0.35	U
	2-Nitrophenol	88-75-5	mg/kg	††	0.3	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	3 & 4 Methylpheno	MEPH3MEPH4	mg/kg	††	††	††	0.33	U	0.36	U	0.36	U	0.38	U	0.36	U	0.35	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Location		T-10 ⁽¹⁾		T-11		T-12		T-13		T-14	
							Sample Date		8/14/2013 13:45		8/15/2013 9:30		8/20/2013 15:30		8/21/2013 10:25		8/21/2013 10:25	
							Sample ID		TMW-T-10 (5-7.5)(081413)		TMW-T11 (6-7)(081513)		TMW-T12 (6-8)(082013)		TMW-T13 (4-6)(082113)		FD-04 (082113)	
							Depth Interval		5 - 7.5 ft		6 - 7 ft		6 - 8 ft		4 - 6 ft		4 - 6 ft	
							Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	3,3'-Dichlorobenzidine	91-94-1	mg/kg	††	††	††	0.17	U	0.19	U	0.18	U	0.2	UJ	0.18	UJ	0.18	UJ
	3-Nitroaniline	99-09-2	mg/kg	††	0.5	††	0.33	U	0.36	U	0.36	U	0.38	UJ	0.36	UJ	0.35	UJ
	4,6-Dinitro-2-methylpheno	534-52-1	mg/kg	††	††	††	0.33	UJ	0.36	U	0.36	U	0.38	U	0.36	U	0.35	U
	4-Bromophenyl phenyl ether	101-55-3	mg/kg	††	††	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	4-Chloro-3-methylpheno	59-50-7	mg/kg	††	††	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	4-Chloroaniline	106-47-8	mg/kg	††	0.22	††	0.17	UJ	0.19	U	0.18	U	0.2	UJ	0.18	UJ	0.18	UJ
	4-Chlorophenyl phenyl ethe	7005-72-3	mg/kg	††	††	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	4-Methylpheno	106-44-5	mg/kg	0.33	††	500	0.33	U	0.36	U	0.36	U	0.38	U	0.36	U	0.35	U
	4-Nitroaniline	100-01-6	mg/kg	††	††	††	0.33	UJ	0.36	U	0.36	U	0.38	U	0.36	U	0.35	U
	4-Nitrophenol	100-02-7	mg/kg	††	0.1	††	0.33	U	0.36	UJ	0.36	U	0.38	U	0.36	U	0.35	U
	Acenaphthene	83-32-9	mg/kg	98	††	500	0.03	J	0.0055	J	0.23		0.0078	J	0.038	J	0.18	U
	Acenaphthylene	208-96-8	mg/kg	107	††	500	0.0087	J	0.0062	J	0.063	J	0.013	J	0.025	J	0.18	U
	Acetophenone	98-86-2	mg/kg	††	††	††	0.17	UJ	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	Aniline	62-53-3	mg/kg	††	0.33	††	0.33	U	0.36	U	0.36	U	0.38	U	0.36	U	0.35	U
	Anthracene	120-12-7	mg/kg	1,000	††	500	0.13	J	0.014	J	1		0.051	J	0.28	--	0.015	J
	Atrazine	1912-24-9	mg/kg	††	††	††	0.17	U	0.19	U	0.18	U	0.2	UJ	0.18	UJ	0.18	UJ
	Benzaldehyde	100-52-7	mg/kg	††	††	††	0.17	U	0.19	U		R	0.2	UJ	0.18	UJ	0.18	UJ
	Benzo(a)anthracene	56-55-3	mg/kg	1	††	5.6	0.27		0.038	J	1.4		0.18	J	0.67		0.029	J
	Benzo(a)pyrene	50-32-8	mg/kg	22	††	1	0.22		0.037	J	1.4		0.17	J	0.51		0.02	J
	Benzo(b)fluoranthene	205-99-2	mg/kg	1.7	††	5.6	0.29		0.046	J	1.8		0.2		0.69		0.027	J
	Benzo(g,h,i)perylene	191-24-2	mg/kg	1,000	††	500	0.17		0.19	U	0.93		0.16	J	0.32		0.18	U
	Benzo(k)fluoranthene	207-08-9	mg/kg	1.7	††	56	0.14	J	0.025	J	0.74		0.088	J	0.26		0.013	J
	Benzyl alcohol	100-51-6	mg/kg	††	††	††	0.33	U	0.36	U	0.36	U	0.38	U	0.36	U	0.35	U
	Bis(2-chloroethoxy)methane	111-91-1	mg/kg	††	††	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	Bis(2-chloroethyl)ether	111-44-4	mg/kg	††	††	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	Bis(2-ethylhexyl) phthalate	117-81-7	mg/kg	††	435	††	0.48		0.92		0.14	J	0.2	U	0.18	U	0.067	J
	Butyl benzyl phthalate	85-68-7	mg/kg	††	122	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	Caprolactam	105-60-2	mg/kg	††	††	††	0.17	U	0.19	U	0.18	U	0.2	UJ	0.18	UJ	0.18	UJ
	Carbazole	86-74-8	mg/kg	††	††	††	0.037	J	0.19	U	0.29		0.0054	J	0.022	J	0.0079	J
	Chrysene	218-01-9	mg/kg	1	††	56	0.21		0.031	J	1.3		0.16	J	0.58		0.021	J
	Dibenz(a,h)anthracene	53-70-3	mg/kg	1,000	††	0.56	0.17	U	0.19	U	0.25		0.2	U	0.097	J	0.18	U
	Dibenzofuran	132-64-9	mg/kg	210	6.2	350	0.066	J	0.0034	J	0.36		0.2	U	0.036	J	0.18	U
	Dicyclohexylamine	101-83-7	mg/kg	††	††	††	0.17	UJ	0.39	J	3.1	J	0.2	UJ	0.18	UJ	0.2	J
	Diethyl phthalate	84-66-2	mg/kg	††	7.1	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	Dimethyl phthalate	131-11-3	mg/kg	††	27	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	Di-n-butyl phthalate	84-74-2	mg/kg	††	8.1	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	Di-n-octyl phthalate	117-84-0	mg/kg	††	120	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	Fluoranthene	206-44-0	mg/kg	1,000	††	500	0.69		0.069	J	3.2		0.32	J	1.5	J	0.053	J
	Fluorene	86-73-7	mg/kg	386	††	500	0.1	J	0.0057	J	0.75		0.017	J	0.1	J	0.0081	J
	Hexachlorobenzene	118-74-1	mg/kg	3.2	1.4	6	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	Hexachlorobutadiene	87-68-3	mg/kg	††	††	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	Hexachlorocyclopentadiene	77-47-4	mg/kg	††	††	††	0.17	UJ	0.19	UJ	0.18	U	0.2	UJ	0.18	UJ	0.18	UJ
	Hexachloroethane	67-72-1	mg/kg	††	††	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U
	Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	8.2	††	5.6	0.12	J	0.022	J	0.77		0.083	J	0.27		0.18	U
	Isophorone	78-59-1	mg/kg	††	4.4	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		T-10 ⁽¹⁾		T-11		T-12		T-13				T-14	
							Sample Date		8/14/2013 13:45		8/15/2013 9:30		8/20/2013 15:30		8/21/2013 10:25		8/21/2013 10:25		8/21/2013 15:15	
							Sample ID		TMW-T-10 (5-7.5)(081413)		TMW-T11 (6-7)(081513)		TMW-T12 (6-8)(082013)		TMW-T13 (4-6)(082113)		FD-04 (082113)		SB-T14 (8-10)(082113)	
							Depth Interval		5 - 7.5 ft		6 - 7 ft		6 - 8 ft		4 - 6 ft		4 - 6 ft		8 - 10 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	n,n-Dimethylaniline	121-69-7	mg/kg	††	††	††	0.17	UJ	0.19	UJ	0.18	UJ	0.2	UJ	0.18	UJ	0.18	UJ	0.18	UJ
	Naphthalene	91-20-3	mg/kg	12	††	500	0.0073	J	0.0096	J	0.16	J	0.2	U	0.18	U	0.006	J		
	Nitrobenzene	98-95-3	mg/kg	††	0.17	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U		
	N-Nitroso-di-n-propylamine	621-64-7	mg/kg	††	††	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U		
	N-Nitrosodiphenylamine	86-30-6	mg/kg	††	††	††	0.17	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U		
	Pentachloropheno	87-86-5	mg/kg	0.8	††	6.7	0.33	U	0.36	U	0.36	U	0.38	U	0.36	U	0.35	U		
	Phenanthrene	85-01-8	mg/kg	1,000	††	500	0.064	J	0.041	J	2.6		0.13	J	0.86	J	0.054	J		
	Phenol	108-95-2	mg/kg	0.33	††	500	0.054	J	0.19	U	0.072	J	0.2	U	0.18	U	0.18	U		
	Pyrene	129-00-0	mg/kg	1,000	††	500	0.56		0.064	J	2.7		0.27	J	1.1	J	0.041	J		
	Pyridine	110-86-1	mg/kg	††	††	††	0.33	U	0.36	U	0.36	U	0.38	U	0.36	U	0.35	U		
	Triethylamine	121-44-8	mg/kg	††	††	††	0.33	UJ	0.36	UJ	1.8	J	0.38	UJ	0.36	UJ	0.35	UJ		
TPH Method SW8015B/D	Ethanol	64-17-5	mg/kg	††	††	††	0.97	U	1	U	1.1	U	1.2	U	1	U	1.1	U		
	Ethylene glyco	107-21-1	mg/kg	††	††	††	5.1	U	5.5	U	5.2	U	6.5		5.6	--	5.2	U		
	Isobutanol	78-83-1	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--		
	Isopropyl alcohol	67-63-0	mg/kg	††	††	††	0.97	U	1	U	1.1	U	1.2	U	1	U	1.1	U		
	Methanol	67-56-1	mg/kg	††	††	††	0.97	UB	1	UB	0.36	J	0.37	J	1	UJ	1.1	UJ		
	Propylene glycol	57-55-6	mg/kg	††	††	††	5.1	U	5.5	U	5.2	U	5.8	U	5.1	U	5.2	U		

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		T-15		T-16 ⁽¹⁾		T-17 ⁽¹⁾		T-18 ⁽¹⁾				T-19	
							Sample Date		8/8/2013 9:20		8/27/2013 11:30		8/26/2013 11:45		8/28/2013 10:00		8/28/2013 0:00		8/27/2013 15:45	
							Sample ID		TMW-T15 (2-4)(080813)		TMW-T16 (8-10)(082713)		TMW-T17 (4-6)(082613)		TMW-T18 (6-9)(082813)		FD05-(082813)		SB-T19 (7-8)(082713)	
							Depth Interval		2 - 4 ft		8 - 10 ft		4 - 6 ft		6 - 9 ft		6 - 9 ft		7 - 8 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	††	500	0.0039	U	0.0034	U	0.0043	U	0.0048	--	0.0041	U	0.0037	U		
	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	††	0.6	††	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U		
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	mg/kg	††	6	††	0.0039	U	0.0034	U	0.0043	U	0.052	J	0.0041	UJ	0.0037	U		
	1,1,2-Trichloroethane	79-00-5	mg/kg	††	††	††	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U		
	1,1-Dichloroethane	75-34-3	mg/kg	0.27	††	240	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U		
	1,1-Dichloroethene	75-35-4	mg/kg	0.33	††	500	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U		
	1,2,3-Trichlorobenzene	87-61-6	mg/kg	††	††	††	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U		
	1,2,4-Trichlorobenzene	120-82-1	mg/kg	††	3.4	††	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U		
	1,2,4-Trimethylbenzene	95-63-6	mg/kg	3.6	††	190	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U		
	1,2-Dibromo-3-Chloropropane	96-12-8	mg/kg	††	††	††	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U		
	1,2-Dibromoethane	106-93-4	mg/kg	††	††	††	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U		
	1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	††	500	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U		
	1,2-Dichloroethane	107-06-2	mg/kg	0.02	††	30	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U		
	1,2-Dichloropropane	78-87-5	mg/kg	††	††	††	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U		
	1,3,5-Trimethylbenzene	108-67-8	mg/kg	8.4	††	190	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U		
	1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	††	280	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U		
	1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	††	130	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U		
	1,4-Dioxane	123-91-1	mg/kg	0.1	††	130	0.16	UJ	0.13	UJ	0.17	UJ	0.15	UJ	0.17	UJ	0.15	UJ		
	2-Butanone	78-93-3	mg/kg	0.12	0.3	500	0.01	J	0.0021	J	0.009	J	0.0065	J	0.0021	J	0.0018	J		
	2-Hexanone	591-78-6	mg/kg	††	††	††	0.02	U	0.017	U	0.021	U	0.019	U	0.021	U	0.019	U		
	2-Nitropropane	79-46-9	mg/kg	††	††	††	0.02	UJ	0.017	UJ	0.021	UJ	0.019	UJ	0.021	UJ	0.019	UJ		
	4-Methyl-2-pentanone	108-10-1	mg/kg	††	1	††	0.02	U	0.017	U	0.0053	J	0.0056	J	0.021	U	0.0024	J		
	Acetone	67-64-1	mg/kg	0.05	††	500	0.051	--	0.013	J	0.041		0.041		0.012	J	0.015	J		
	Acetonitrile	75-05-8	mg/kg	††	††	††	0.16	U	0.13	UJ	0.17	UJ	0.15	U	0.17	U	0.15	UJ		
	Benzene	71-43-2	mg/kg	0.06	††	44	0.0039	U	0.0034	U	0.0043	U	0.00092	J	0.0041	U	0.0037	U		
	Bromochloromethane	74-97-5	mg/kg	††	††	††	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U		
	Bromodichloromethane	75-27-4	mg/kg	††	††	††	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U		
	Bromoform	75-25-2	mg/kg	††	††	††	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U		
	Bromomethane	74-83-9	mg/kg	††	††	††	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U		
	Carbon disulfide	75-15-0	mg/kg	††	2.7	††	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0023	J		
	Carbon tetrachloride	56-23-5	mg/kg	0.76	††	22	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U		
	Chlorobenzene	108-90-7	mg/kg	1.1	††	500	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U		
	Chlorodifluoromethane	75-45-6	mg/kg	††	††	††	0.0039	UJ	0.0034	UJ	0.0043	UJ	0.0038	UJ	0.0041	UJ	0.0037	UJ		
	Chloroethane	75-00-3	mg/kg	††	1.9	††	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U		
	Chloroform	67-66-3	mg/kg	0.37	††	350	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U		
	Chloromethane	74-87-3	mg/kg	††	††	††	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U		
	cis-1,2-Dichloroethene	156-59-2	mg/kg	0.25	††	500	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U		
	cis-1,3-Dichloropropene	10061-01-5	mg/kg	††	††	††	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U		
	Cyclohexane	110-82-7	mg/kg	††	††	††	0.0039	U	0.0034	U	0.0043	U	0.0013	J	0.0041	U	0.0037	U		
	Cyclohexanone	108-94-1	mg/kg	††	††	††	0.039	UJ	0.034	UJ	0.043	UJ	0.038	UJ	0.041	UJ	0.019	J		
Dibromochloromethane	124-48-1	mg/kg	††	††	††	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U			
Dichlorodifluoromethane	75-71-8	mg/kg	††	††	††	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U			
Diethyl ether	60-29-7	mg/kg	††	††	††	0.02	UJ	0.017	UJ	0.021	UJ	0.019	UJ	0.021	UJ	0.019	UJ			
Ethyl acetate	141-78-6	mg/kg	††	††	††	0.0039	UJ	0.0034	UJ	0.0043	UJ	0.0038	UJ	0.0041	UJ	0.0037	UJ			
Ethylbenzene	100-41-4	mg/kg	1	††	390	0.0039	U	0.0034	U	0.0043	U	0.03	J	0.0041	UJ	0.0037	U			

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		T-15		T-16 ⁽¹⁾		T-17 ⁽¹⁾		T-18 ⁽¹⁾				T-19	
							Sample Date		8/8/2013 9:20		8/27/2013 11:30		8/26/2013 11:45		8/28/2013 10:00		8/28/2013 0:00		8/27/2013 15:45	
							Sample ID		TMW-T15 (2-4)(080813)		TMW-T16 (8-10)(082713)		TMW-T17 (4-6)(082613)		TMW-T18 (6-9)(082813)		FD05-(082813)		SB-T19 (7-8)(082713)	
							Depth Interval		2 - 4 ft		8 - 10 ft		4 - 6 ft		6 - 9 ft		6 - 9 ft		7 - 8 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Isobutanol	78-83-1	mg/kg	††	††	††	0.16	UJ	0.13	UJ	0.17	UJ	0.15	UJ	0.17	UJ	0.15	UJ	0.15	UJ
	Isopropylbenzene	98-82-8	mg/kg	††	2.3	††	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U	0.0037	U
	m&p-Xylene	179601-23-1	mg/kg	††	††	††	0.0079	U	0.0067	U	0.0085	U	0.11	J	0.0083	UJ	0.0075	U	0.0075	U
	Methyl acetate	79-20-9	mg/kg	††	††	††	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U	0.0037	U
	Methyl tert-butyl ether	1634-04-4	mg/kg	0.93	††	500	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U	0.0037	U
	Methylcyclohexane	108-87-2	mg/kg	††	††	††	0.0039	U	0.0034	U	0.0043	U	0.0014	J	0.0041	U	0.0037	U	0.0037	U
	Methylene Chloride	75-09-2	mg/kg	0.05	††	500	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U	0.0037	U
	Naphthalene	91-20-3	mg/kg	12	††	500	0.0013	J	0.0034	U	0.0012	J	0.0017	J	0.0041	U	0.0037	U	0.0037	U
	n-Butanol	71-36-3	mg/kg	††	††	††	0.16	UJ	0.13	UJ	0.17	UJ	0.15	UJ	0.17	UJ	0.15	UJ	0.15	UJ
	n-Butylbenzene	104-51-8	mg/kg	12	††	500	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U	0.0037	U
	n-Heptane	142-82-5	mg/kg	††	††	††	0.079	UJ	0.067	UJ	0.085	UJ	0.077	UJ	0.083	UJ	0.075	UJ	0.075	UJ
	n-Hexane	110-54-3	mg/kg	††	††	††	0.039	UJ	0.034	UJ	0.043	UJ	0.038	UJ	0.041	UJ	0.037	UJ	0.037	UJ
	o-Xylene	95-47-6	mg/kg	††	††	††	0.0039	U	0.0034	U	0.0043	U	0.02	J	0.0041	UJ	0.0037	U	0.0037	U
	p-Isopropyltoluene	99-87-6	mg/kg	††	10	††	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U	0.0037	U
	sec-Butylbenzene	135-98-8	mg/kg	11	††	500	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U	0.0037	U
	Styrene	100-42-5	mg/kg	††	††	††	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U	0.0037	U
	tert-Butanol	75-65-0	mg/kg	††	††	††	0.079	UJ	0.067	UJ	0.085	UJ	0.077	UJ	0.083	UJ	0.075	UJ	0.075	UJ
	tert-Butylbenzene	98-06-6	mg/kg	5.9	††	500	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U	0.0037	U
	Tetrachloroethene	127-18-4	mg/kg	1.3	††	150	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U	0.0037	U
	Tetrahydrofuran	109-99-9	mg/kg	††	††	††	0.02	U	0.017	U	0.021	U	0.019	U	0.021	U	0.019	U	0.019	U
	Toluene	108-88-3	mg/kg	0.7	††	500	0.0039	U	0.0034	U	0.0043	U	0.01	--	0.0041	U	0.0037	U	0.0037	U
	trans-1,2-Dichloroethene	156-60-5	mg/kg	0.19	††	500	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U	0.0037	U
	trans-1,3-Dichloropropene	10061-02-6	mg/kg	††	††	††	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U	0.0037	U
	Trichloroethene	79-01-6	mg/kg	0.47	††	200	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U	0.0037	U
	Trichlorofluoromethane	75-69-4	mg/kg	††	††	††	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U	0.0037	U
	Vinyl chloride	75-01-4	mg/kg	0.02	††	13	0.0039	U	0.0034	U	0.0043	U	0.0038	U	0.0041	U	0.0037	U	0.0037	U
	Xylenes (total)	1330-20-7	mg/kg	1.6	††	500	0.0079	U	0.0067	U	0.0085	U	0.13	J	0.0083	UJ	0.0075	U	0.0075	U
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	mg/kg	††	††	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U
	1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	††	††	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U
	2,2'-Oxybis(1-Chloropropane)	108-60-1	mg/kg	††	††	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U
	2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	††	††	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U
	2,4,5-Trichlorophenol	95-95-4	mg/kg	††	0.1	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U
	2,4,6-Trichlorophenol	88-06-2	mg/kg	††	††	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U
	2,4-Dichloropheno	120-83-2	mg/kg	††	0.4	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U
	2,4-Dimethylpheno	105-67-9	mg/kg	††	††	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U
	2,4-Dinitrophenol	51-28-5	mg/kg	††	0.2	††	0.38	UJ	0.37	U	0.37	U	0.36	U	0.35	U	0.37	U	0.37	U
	2,4-Dinitrotoluene	121-14-2	mg/kg	††	††	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U
	2,6-Dinitrotoluene	606-20-2	mg/kg	††	0.17	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U
	2-Chloronaphthalene	91-58-7	mg/kg	††	††	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U
	2-Chloropheno	95-57-8	mg/kg	††	††	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U
	2-Methylnaphthalene	91-57-6	mg/kg	††	36.4	††	0.023	J	0.0058	J	0.033	J	0.19	U	0.18	U	0.19	U	0.19	U
	2-Methylpheno	95-48-7	mg/kg	0.33	††	500	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U
	2-Nitroaniline	88-74-4	mg/kg	††	0.4	††	0.38	U	0.37	U	0.37	U	0.36	U	0.35	U	0.37	U	0.37	U
	2-Nitrophenol	88-75-5	mg/kg	††	0.3	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U	0.19	U
	3 & 4 Methylpheno	MEPH3MEPH4	mg/kg	††	††	††	0.38	U	0.37	U	0.37	U	0.36	U	0.35	U	0.37	U	0.37	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		T-15		T-16 ⁽¹⁾		T-17 ⁽¹⁾		T-18 ⁽¹⁾				T-19	
							Sample Date		8/8/2013 9:20		8/27/2013 11:30		8/26/2013 11:45		8/28/2013 10:00		8/28/2013 0:00		8/27/2013 15:45	
							Sample ID		TMW-T15 (2-4)(080813)		TMW-T16 (8-10)(082713)		TMW-T17 (4-6)(082613)		TMW-T18 (6-9)(082813)		FD05-(082813)		SB-T19 (7-8)(082713)	
							Depth Interval		2 - 4 ft		8 - 10 ft		4 - 6 ft		6 - 9 ft		6 - 9 ft		7 - 8 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
SVOCs Method SW8270C/D (Cont.)	3,3'-Dichlorobenzidine	91-94-1	mg/kg	††	††	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U		
	3-Nitroaniline	99-09-2	mg/kg	††	0.5	††	0.38	U	0.37	U	0.37	U	0.36	U	0.35	U	0.37	U		
	4,6-Dinitro-2-methylpheno	534-52-1	mg/kg	††	††	††	0.38	UJ	0.37	U	0.37	U	0.36	U	0.35	U	0.37	U		
	4-Bromophenyl phenyl ethe	101-55-3	mg/kg	††	††	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U		
	4-Chloro-3-methylpheno	59-50-7	mg/kg	††	††	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U		
	4-Chloroaniline	106-47-8	mg/kg	††	0.22	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U		
	4-Chlorophenyl phenyl ethe	7005-72-3	mg/kg	††	††	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U		
	4-Methylpheno	106-44-5	mg/kg	0.33	††	500	0.38	U	0.37	U	0.37	U	0.36	U	0.35	U	0.37	U		
	4-Nitroaniline	100-01-6	mg/kg	††	††	††	0.38	U	0.37	U	0.37	U	0.36	U	0.35	U	0.37	U		
	4-Nitrophenol	100-02-7	mg/kg	††	0.1	††	0.38	U	0.37	U	0.37	U	0.36	U	0.35	U	0.37	U		
	Acenaphthene	83-32-9	mg/kg	98	††	500	0.078	J	0.011	J	0.12	J	0.19	U	0.18	U	0.19	U		
	Acenaphthylene	208-96-8	mg/kg	107	††	500	0.16	J	0.19	U	0.036	J	0.19	U	0.18	U	0.19	U		
	Acetophenone	98-86-2	mg/kg	††	††	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U		
	Aniline	62-53-3	mg/kg	††	0.33	††	0.38	U	0.37	U	0.37	U	0.36	U	0.35	U	0.37	U		
	Anthracene	120-12-7	mg/kg	1,000	††	500	0.53		0.029	J	0.35	--	0.19	U	0.18	U	0.19	U		
	Atrazine	1912-24-9	mg/kg	††	††	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U		
	Benzaldehyde	100-52-7	mg/kg	††	††	††	0.033	J		R		R		R		R		R		
	Benzo(a)anthracene	56-55-3	mg/kg	1	††	5.6	2.2	J	0.047	J	0.65		0.19	U	0.18	U	0.19	U		
	Benzo(a)pyrene	50-32-8	mg/kg	22	††	1	2.5	J	0.041	J	0.59		0.19	U	0.18	U	0.19	UJ		
	Benzo(b)fluoranthene	205-99-2	mg/kg	1.7	††	5.6	3.3	J	0.044	J	0.78		0.19	U	0.18	U	0.19	UJ		
	Benzo(g,h,i)perylene	191-24-2	mg/kg	1,000	††	500	1.3		0.19	UJ	0.19	U	0.19	U	0.18	U	0.19	UJ		
	Benzo(k)fluoranthene	207-08-9	mg/kg	1.7	††	56	1.4		0.024	J	0.31		0.19	U	0.18	U	0.19	UJ		
	Benzyl alcoho	100-51-6	mg/kg	††	††	††	0.38	U	0.37	U	0.37	U	0.36	U	0.35	U	0.37	U		
	Bis(2-chloroethoxy)methane	111-91-1	mg/kg	††	††	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U		
	Bis(2-chloroethyl)ether	111-44-4	mg/kg	††	††	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U		
	Bis(2-ethylhexyl) phthalate	117-81-7	mg/kg	††	435	††	0.19	U	0.36		0.24		0.13	J	0.18	U	0.063	J		
	Butyl benzyl phthalate	85-68-7	mg/kg	††	122	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U		
	Caprolactam	105-60-2	mg/kg	††	††	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U		
	Carbazole	86-74-8	mg/kg	††	††	††	0.039	J	0.01	J	0.1	J	0.19	U	0.18	U	0.19	U		
	Chrysene	218-01-9	mg/kg	1	††	56	2.1	J	0.037	J	0.53		0.19	U	0.18	U	0.19	U		
	Dibenz(a,h)anthracene	53-70-3	mg/kg	1,000	††	0.56	0.16	J	0.19	UJ	0.083	J	0.19	U	0.18	U	0.19	UJ		
	Dibenzofuran	132-64-9	mg/kg	210	6.2	350	0.083	J	0.19	U	0.08	J	0.19	U	0.18	U	0.19	U		
	Dicyclohexylamine	101-83-7	mg/kg	††	††	††	0.19	UJ	1.4	J	0.19	UJ	0.19	UJ	0.18	UJ	0.19	UJ		
	Diethyl phthalate	84-66-2	mg/kg	††	7.1	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U		
	Dimethyl phthalate	131-11-3	mg/kg	††	27	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U		
	Di-n-butyl phthalate	84-74-2	mg/kg	††	8.1	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U		
	Di-n-octyl phthalate	117-84-0	mg/kg	††	120	††	0.19	U	0.19	UJ	0.19	U	0.19	U	0.18	U	0.19	UJ		
	Fluoranthene	206-44-0	mg/kg	1,000	††	500	3	J	0.09	J	1.3		0.0083	J	0.0037	J	0.0045	J		
	Fluorene	86-73-7	mg/kg	386	††	500	0.17	J	0.015	J	0.14	J	0.19	U	0.18	U	0.19	U		
	Hexachlorobenzene	118-74-1	mg/kg	3.2	1.4	6	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U		
	Hexachlorobutadiene	87-68-3	mg/kg	††	††	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U		
	Hexachlorocyclopentadiene	77-47-4	mg/kg	††	††	††	0.19	UJ	0.19	U	0.19	UJ	0.19	U	0.18	U	0.19	U		
	Hexachloroethane	67-72-1	mg/kg	††	††	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U		
	Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	8.2	††	5.6	1.2	J	0.19	UJ	0.33		0.19	U	0.18	U	0.19	UJ		
	Isophorone	78-59-1	ma/kg	††	4.4	††	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U		

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		T-15		T-16 ⁽¹⁾		T-17 ⁽¹⁾		T-18 ⁽¹⁾				T-19	
							Sample Date		8/8/2013 9:20		8/27/2013 11:30		8/26/2013 11:45		8/28/2013 10:00		8/28/2013 0:00		8/27/2013 15:45	
							Sample ID		TMW-T15 (2-4)(080813)		TMW-T16 (8-10)(082713)		TMW-T17 (4-6)(082613)		TMW-T18 (6-9)(082813)		FD05-(082813)		SB-T19 (7-8)(082713)	
							Depth Interval		2 - 4 ft		8 - 10 ft		4 - 6 ft		6 - 9 ft		6 - 9 ft		7 - 8 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	n,n-Dimethylaniline	121-69-7	mg/kg	††	††	††	0.19	UJ	0.19	UJ	0.19	UJ	0.19	UJ	0.19	UJ	0.18	UJ	0.19	UJ
	Naphthalene	91-20-3	mg/kg	12	††	500	0.045	J	0.19	U	0.19	U	0.058	J	0.19	U	0.18	U	0.19	U
	Nitrobenzene	98-95-3	mg/kg	††	0.17	††	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U
	N-Nitroso-di-n-propylamine	621-64-7	mg/kg	††	††	††	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U
	N-Nitrosodiphenylamine	86-30-6	mg/kg	††	††	††	0.035	J	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U
	Pentachloropheno	87-86-5	mg/kg	0.8	††	6.7	0.36	U	0.37	U	0.37	U	0.36	U	0.36	U	0.35	U	0.37	U
	Phenanthrene	85-01-8	mg/kg	1,000	††	500	0.6		0.081	J	0.86		0.19	U	0.0041	J	0.007	J		
	Phenol	108-95-2	mg/kg	0.33	††	500	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U
	Pyrene	129-00-0	mg/kg	1,000	††	500	3.1	J	0.085	J	1.3		0.006	J	0.18	U	0.19	U		
	Pyridine	110-86-1	mg/kg	††	††	††	0.38	U	0.37	U	0.37	U	0.36	U	0.35	U	0.37	U		
	Triethylamine	121-44-8	mg/kg	††	††	††	0.38	UJ	0.37	UJ	0.37	UJ	0.36	UJ	0.35	UJ	0.37	UJ		
TPH Method SW8015B/D	Ethanol	64-17-5	mg/kg	††	††	††	1.1	U	10	U	1.1	U	1.1	U	1	U	1.1	U		
	Ethylene glyco	107-21-1	mg/kg	††	††	††	5.6	U	5.4	U	5.2	U	5.4	U	5.3	U	5.4	U		
	Isobutanol	78-83-1	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--		
	Isopropyl alcohol	67-63-0	mg/kg	††	††	††	1.1	U	10	U	1.1	U	1.1	U	1	U	1.1	U		
	Methanol	67-56-1	mg/kg	††	††	††	1.2	--	39	J	0.34	J	0.45	J	1	U	1.1	UJ		
	Propylene glycol	57-55-6	mg/kg	††	††	††	5.6	U	5.4	U	5.2	U	5.4	U	5.3	U	5.4	U		

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Location		T-20		T-21		T-22		T-23 ⁽¹⁾		T-24 ⁽¹⁾		T-25 ⁽¹⁾	
							Sample Date		8/29/2013 13:00		8/28/2013 15:30		8/28/2013 15:00		8/27/2013 15:00		8/2/2013 10:50		8/2/2013 15:05	
							Sample ID		TMW-T20 (4-6)(082913)		SB-T21 (6-8)(082813)		TMW-T22 (4-10.3)(082813)		TMW-T23 (2-10)(082713)		TMW-T24 (6-8)(080213)		TMW-T-25 (6-8)(080213)	
							Depth Interval		4 - 6 ft		6 - 8 ft		4 - 10.3 ft		2 - 10 ft		6 - 8 ft		6 - 8 ft	
							Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	††	500	0.0037	U	0.0044	U	0.0039	UJ	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	††	0.6	††	0.0037	U	0.0044	U	0.0039	UJ	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	mg/kg	††	6	††	0.0037	U	0.0044	U	0.0039	UJ	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	1,1,2-Trichloroethane	79-00-5	mg/kg	††	††	††	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	1,1-Dichloroethane	75-34-3	mg/kg	0.27	††	240	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	1,1-Dichloroethene	75-35-4	mg/kg	0.33	††	500	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	1,2,3-Trichlorobenzene	87-61-6	mg/kg	††	††	††	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	1,2,4-Trichlorobenzene	120-82-1	mg/kg	††	3.4	††	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	1,2,4-Trimethylbenzene	95-63-6	mg/kg	3.6	††	190	0.0037	U	0.0018	J	0.0039	U	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	1,2-Dibromo-3-Chloropropane	96-12-8	mg/kg	††	††	††	0.0037	U	0.0044	U	0.0039	UJ	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	1,2-Dibromoethane	106-93-4	mg/kg	††	††	††	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	††	500	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	1,2-Dichloroethane	107-06-2	mg/kg	0.02	††	30	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	1,2-Dichloropropane	78-87-5	mg/kg	††	††	††	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	1,3,5-Trimethylbenzene	108-67-8	mg/kg	8.4	††	190	0.0037	U	0.00091	J	0.0039	U	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	††	280	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	††	130	0.0037	U	0.0044	UJ	0.0039	U	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	1,4-Dioxane	123-91-1	mg/kg	0.1	††	130	0.15	UJ	0.18	UJ	0.16	UJ	0.15	UJ	0.15	UJ	0.15	UJ	0.21	UJ
	2-Butanone	78-93-3	mg/kg	0.12	0.3	500	0.0026	J	0.022	U	0.0019	J	0.019	U	0.019	U	0.019	U	0.004	J
	2-Hexanone	591-78-6	mg/kg	††	††	††	0.019	U	0.022	U	0.02	U	0.019	U	0.019	U	0.019	U	0.026	U
	2-Nitropropane	79-46-9	mg/kg	††	††	††	0.019	UJ	0.022	UJ	0.02	UJ	0.019	UJ	0.019	UJ	0.019	UJ	0.026	UJ
	4-Methyl-2-pentanone	108-10-1	mg/kg	††	1	††	0.019	U	0.0045	J	0.02	U	0.019	U	0.01	J	0.01	J	0.0073	J
	Acetone	67-64-1	mg/kg	0.05	††	500	0.019	U	0.073		0.014	J	0.0099	J	0.015	J	0.015	J	0.04	
	Acetonitrile	75-05-8	mg/kg	††	††	††	0.15	U	0.18	U	0.16	U	0.15	UJ	0.15	U	0.15	U	0.21	U
	Benzene	71-43-2	mg/kg	0.06	††	44	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	Bromochloromethane	74-97-5	mg/kg	††	††	††	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	Bromodichloromethane	75-27-4	mg/kg	††	††	††	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	Bromoform	75-25-2	mg/kg	††	††	††	0.0037	U	0.0044	U	0.0039	UJ	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	Bromomethane	74-83-9	mg/kg	††	††	††	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	Carbon disulfide	75-15-0	mg/kg	††	2.7	††	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0038	U	0.0096	
	Carbon tetrachloride	56-23-5	mg/kg	0.76	††	22	0.0024	J	0.0044	U	0.0039	UJ	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	Chlorobenzene	108-90-7	mg/kg	1.1	††	500	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	Chlorodifluoromethane	75-45-6	mg/kg	††	††	††	0.0037	UJ	0.0044	UJ	0.0039	UJ	0.0038	UJ	0.0038	UJ	0.0038	UJ	0.0052	UJ
	Chloroethane	75-00-3	mg/kg	††	1.9	††	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	Chloroform	67-66-3	mg/kg	0.37	††	350	0.00085	J	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	Chloromethane	74-87-3	mg/kg	††	††	††	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	cis-1,2-Dichloroethene	156-59-2	mg/kg	0.25	††	500	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	cis-1,3-Dichloropropene	10061-01-5	mg/kg	††	††	††	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	Cyclohexane	110-82-7	mg/kg	††	††	††	0.0037	U	0.0044	U	0.0039	UJ	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	Cyclohexanone	108-94-1	mg/kg	††	††	††	0.037	UJ	0.044	UJ	0.039	UJ	0.038	UJ	0.038	UJ	0.038	UJ	0.052	UJ
	Dibromochloromethane	124-48-1	mg/kg	††	††	††	0.0037	U	0.0044	U	0.0039	UJ	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	Dichlorodifluoromethane	75-71-8	mg/kg	††	††	††	0.0037	U	0.0044	U	0.0039	UJ	0.0038	U	0.0038	U	0.0038	U	0.0052	U
	Diethyl ether	60-29-7	mg/kg	††	††	††	0.019	UJ	0.022	UJ	0.02	UJ	0.019	UJ	0.019	UJ	0.019	UJ	0.026	UJ
	Ethyl acetate	141-78-6	mg/kg	††	††	††	0.0037	UJ	0.0044	UJ	0.0039	UJ	0.0038	UJ	0.0038	UJ	0.0038	UJ	0.0052	UJ
	Ethylbenzene	100-41-4	mg/kg	1	††	390	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0038	U	0.0052	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Location Sample Date		T-20		T-21		T-22		T-23 ⁽¹⁾		T-24 ⁽¹⁾		T-25 ⁽¹⁾	
							Sample ID	Depth Interval	8/29/2013 13:00		8/28/2013 15:30		8/28/2013 15:00		8/27/2013 15:00		8/2/2013 10:50		8/2/2013 15:05	
									TMW-T20 (4-6)(082913)		SB-T21 (6-8)(082813)		TMW-T22 (4-10.3)(082813)		TMW-T23 (2-10)(082713)		TMW-T24 (6-8)(080213)		TMW-T-25 (6-8)(080213)	
									4 - 6 ft		6 - 8 ft		4 - 10.3 ft		2 - 10 ft		6 - 8 ft		6 - 8 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Isobutanol	78-83-1	mg/kg	††	††	††	0.15	UJ	0.18	UJ	0.16	UJ	0.15	UJ	0.15	UJ	0.21	UJ		
	Isopropylbenzene	98-82-8	mg/kg	††	2.3	††	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0052	U		
	m&p-Xylene	179601-23-1	mg/kg	††	††	††	0.0075	U	0.0088	U	0.0078	U	0.0076	U	0.0077	U	0.01	U		
	Methyl acetate	79-20-9	mg/kg	††	††	††	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0052	U		
	Methyl tert-butyl ether	1634-04-4	mg/kg	0.93	††	500	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0052	U		
	Methylcyclohexane	108-87-2	mg/kg	††	††	††	0.0037	U	0.0044	U	0.0039	UJ	0.0038	U	0.0038	U	0.0052	U		
	Methylene Chloride	75-09-2	mg/kg	0.05	††	500	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0052	U		
	Naphthalene	91-20-3	mg/kg	12	††	500	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0052	U		
	n-Butanol	71-36-3	mg/kg	††	††	††	0.15	UJ	0.18	UJ	0.16	UJ	0.15	UJ	0.15	UJ	0.21	UJ		
	n-Butylbenzene	104-51-8	mg/kg	12	††	500	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0052	U		
	n-Heptane	142-82-5	mg/kg	††	††	††	0.075	UJ	0.088	UJ	0.078	UJ	0.076	UJ	0.077	UJ	0.1	UJ		
	n-Hexane	110-54-3	mg/kg	††	††	††	0.037	UJ	0.044	UJ	0.039	UJ	0.038	UJ	0.038	UJ	0.052	UJ		
	o-Xylene	95-47-6	mg/kg	††	††	††	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0052	U		
	p-Isopropyltoluene	99-87-6	mg/kg	††	10	††	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0052	U		
	sec-Butylbenzene	135-98-8	mg/kg	11	††	500	0.0037	U	0.0044	U	0.0039	UJ	0.0038	U	0.0038	U	0.0052	U		
	Styrene	100-42-5	mg/kg	††	††	††	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0052	U		
	tert-Butanol	75-65-0	mg/kg	††	††	††	0.075	UJ	0.088	UJ	0.078	UJ	0.076	UJ	0.077	UJ	0.1	UJ		
	tert-Butylbenzene	98-06-6	mg/kg	5.9	††	500	0.0037	U	0.0044	U	0.0039	UJ	0.0038	U	0.0038	U	0.0052	U		
	Tetrachloroethene	127-18-4	mg/kg	1.3	††	150	0.0018	J	0.0044	U	0.0039	UJ	0.0038	U	0.0038	U	0.0089	J		
	Tetrahydrofuran	109-99-9	mg/kg	††	††	††	0.019	U	0.022	U	0.02	U	0.019	U	0.019	U	0.026	U		
	Toluene	108-88-3	mg/kg	0.7	††	500	0.0042		0.00038	J	0.0039	U	0.0038	U	0.0038	U	0.0052	U		
	trans-1,2-Dichloroethene	156-60-5	mg/kg	0.19	††	500	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0052	U		
	trans-1,3-Dichloropropene	10061-02-6	mg/kg	††	††	††	0.0037	U	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0052	U		
	Trichloroethene	79-01-6	mg/kg	0.47	††	200	0.0016	J	0.0044	U	0.0039	U	0.0038	U	0.0038	U	0.0052	U		
	Trichlorofluoromethane	75-69-4	mg/kg	††	††	††	0.0037	U	0.0044	U	0.0039	UJ	0.0038	U	0.0038	U	0.0052	U		
	Vinyl chloride	75-01-4	mg/kg	0.02	††	13	0.0037	U	0.0044	U	0.0039	UJ	0.0038	U	0.0038	U	0.0052	U		
	Xylenes (total)	1330-20-7	mg/kg	1.6	††	500	0.0075	U	0.0088	U	0.0078	U	0.0076	U	0.0077	U	0.01	U		
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	2,2'-Oxybis(1-Chloropropane)	108-60-1	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	2,4,5-Trichlorophenol	95-95-4	mg/kg	††	0.1	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	2,4,6-Trichlorophenol	88-06-2	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	2,4-Dichloropheno	120-83-2	mg/kg	††	0.4	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	2,4-Dimethylpheno	105-67-9	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	2,4-Dinitrophenol	51-28-5	mg/kg	††	0.2	††	0.37	U	0.35	U	0.37	U	0.36	U	0.37	U	0.37	U		
	2,4-Dinitrotoluene	121-14-2	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	2,6-Dinitrotoluene	606-20-2	mg/kg	††	0.17	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	2-Chloronaphthalene	91-58-7	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	2-Chloropheno	95-57-8	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	2-Methylnaphthalene	91-57-6	mg/kg	††	36.4	††	0.0054	J	0.18	U	0.19	U	0.0031	J	0.19	U	0.029	J		
	2-Methylpheno	95-48-7	mg/kg	0.33	††	500	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	2-Nitroaniline	88-74-4	mg/kg	††	0.4	††	0.37	U	0.35	U	0.37	U	0.36	U	0.37	U	0.37	U		
	2-Nitrophenol	88-75-5	mg/kg	††	0.3	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	3 & 4 Methylpheno	MEPH3MEPH4	mg/kg	††	††	††	0.37	U	0.35	U	0.37	U	0.36	U	0.37	U	0.37	U		

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		T-20		T-21		T-22		T-23 ⁽¹⁾		T-24 ⁽¹⁾		T-25 ⁽¹⁾	
							Sample Date		8/29/2013 13:00		8/28/2013 15:30		8/28/2013 15:00		8/27/2013 15:00		8/2/2013 10:50		8/2/2013 15:05	
							Sample ID		TMW-T20 (4-6)(082913)		SB-T21 (6-8)(082813)		TMW-T22 (4-10.3)(082813)		TMW-T23 (2-10)(082713)		TMW-T24 (6-8)(080213)		TMW-T-25 (6-8)(080213)	
							Depth Interval		4 - 6 ft		6 - 8 ft		4 - 10.3 ft		2 - 10 ft		6 - 8 ft		6 - 8 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
SVOCs Method SW8270C/D (Cont.)	3,3'-Dichlorobenzidine	91-94-1	mg/kg	††	††	††	0.19	U	0.18	U	0.19	UJ	0.19	U	0.19	U	0.19	U		
	3-Nitroaniline	99-09-2	mg/kg	††	0.5	††	0.37	U	0.35	U	0.37	U	0.36	U	0.37	U	0.37	U		
	4,6-Dinitro-2-methylpheno	534-52-1	mg/kg	††	††	††	0.37	UJ	0.35	U	0.37	U	0.36	U	0.37	U	0.37	U		
	4-Bromophenyl phenyl ethe	101-55-3	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	4-Chloro-3-methylpheno	59-50-7	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	4-Chloroaniline	106-47-8	mg/kg	††	0.22	††	0.19	U	0.18	U	0.19	UJ	0.19	U	0.19	U	0.19	U		
	4-Chlorophenyl phenyl ethe	7005-72-3	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	4-Methylpheno	106-44-5	mg/kg	0.33	††	500	0.37	U	0.35	U	0.37	U	0.36	U	0.37	U	0.37	U		
	4-Nitroaniline	100-01-6	mg/kg	††	††	††	0.37	UJ	0.35	U	0.37	U	0.36	U	0.37	U	0.37	U		
	4-Nitrophenol	100-02-7	mg/kg	††	0.1	††	0.37	U	0.35	U	0.37	U	0.36	U	0.37	U	0.37	U		
	Acenaphthene	83-32-9	mg/kg	98	††	500	0.013	J	0.18	U	0.0046	J	0.0056	J	0.19	U	0.068	J		
	Acenaphthylene	208-96-8	mg/kg	107	††	500	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.017	J		
	Acetophenone	98-86-2	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	Aniline	62-53-3	mg/kg	††	0.33	††	0.37	U	0.35	U	0.37	UJ	0.36	U	0.37	U	0.37	U		
	Anthracene	120-12-7	mg/kg	1,000	††	500	0.017	J	0.0079	J	0.014	J	0.045	J	0.19	U	0.11	J		
	Atrazine	1912-24-9	mg/kg	††	††	††	0.19	U	0.18	U	0.19	UJ	0.19	U	0.19	U	0.19	U		
	Benzaldehyde	100-52-7	mg/kg	††	††	††		R		R		R		R	0.19	U	0.19	U		
	Benzo(a)anthracene	56-55-3	mg/kg	1	††	5.6	0.044	J	0.18	U	0.027	J	0.11	J	0.19	U	0.45			
	Benzo(a)pyrene	50-32-8	mg/kg	22	††	1	0.047	J	0.18	U	0.021	J	0.08	J	0.19	U	0.43			
	Benzo(b)fluoranthene	205-99-2	mg/kg	1.7	††	5.6	0.055	J	0.18	U	0.029	J	0.12	J	0.19	U	0.58			
	Benzo(g,h,i)perylene	191-24-2	mg/kg	1,000	††	500	0.05	J	0.18	U	0.19	U	0.046	J	0.19	U	0.25			
	Benzo(k)fluoranthene	207-08-9	mg/kg	1.7	††	56	0.03	J	0.18	U	0.017	J	0.051	J	0.19	U	0.24			
	Benzyl alcoho	100-51-6	mg/kg	††	††	††	0.37	U	0.35	U	0.37	U	0.36	U	0.37	U	0.37	U		
	Bis(2-chloroethoxy)methane	111-91-1	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	Bis(2-chloroethyl)ether	111-44-4	mg/kg	††	††	††	0.037	J	0.18	U	0.19	UJ	0.19	U	0.19	U	0.19	U		
	Bis(2-ethylhexyl) phthalate	117-81-7	mg/kg	††	435	††	0.19		0.31		0.14		0.074	J	1		0.72			
	Butyl benzyl phthalate	85-68-7	mg/kg	††	122	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	Caprolactam	105-60-2	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	Carbazole	86-74-8	mg/kg	††	††	††	0.0082	J	0.18	U	0.19	U	0.0057	J	0.19	U	0.042	J		
	Chrysene	218-01-9	mg/kg	1	††	56	0.058	J	0.18	U	0.021	J	0.087	J	0.19	U	0.45			
	Dibenz(a,h)anthracene	53-70-3	mg/kg	1,000	††	0.56	0.19	U	0.18	U	0.19	U	0.19	UJ	0.19	U	0.19	U		
	Dibenzofuran	132-64-9	mg/kg	210	6.2	350	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.04	J		
	Dicyclohexylamine	101-83-7	mg/kg	††	††	††	0.19	UJ	0.18	UJ	0.19	UJ	0.19	UJ	0.19	UJ	0.19	UJ		
	Diethyl phthalate	84-66-2	mg/kg	††	7.1	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	Dimethyl phthalate	131-11-3	mg/kg	††	27	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	Di-n-butyl phthalate	84-74-2	mg/kg	††	8.1	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	Di-n-octyl phthalate	117-84-0	mg/kg	††	120	††	0.19	U	0.18	U	0.19	U	0.19	UJ	0.19	U	0.19	U		
	Fluoranthene	206-44-0	mg/kg	1,000	††	500	0.12	J	0.03	J	0.064	J	0.23		0.044	J	0.72			
	Fluorene	86-73-7	mg/kg	386	††	500	0.013	J	0.18	U	0.0087	J	0.019	J	0.19	U	0.046	J		
	Hexachlorobenzene	118-74-1	mg/kg	3.2	1.4	6	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	Hexachlorobutadiene	87-68-3	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	Hexachlorocyclopentadiene	77-47-4	mg/kg	††	††	††	0.19	UJ	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	Hexachloroethane	67-72-1	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		
	Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	8.2	††	5.6	0.031	J	0.18	U	0.19	U	0.047	J	0.19	U	0.35			
	Isophorone	78-59-1	mg/kg	††	4.4	††	1.3	J	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U		

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		T-20		T-21		T-22		T-23 ⁽¹⁾		T-24 ⁽¹⁾		T-25 ⁽¹⁾	
							Sample Date		8/29/2013 13:00		8/28/2013 15:30		8/28/2013 15:00		8/27/2013 15:00		8/2/2013 10:50		8/2/2013 15:05	
							Sample ID		TMW-T20 (4-6)(082913)		SB-T21 (6-8)(082813)		TMW-T22 (4-10.3)(082813)		TMW-T23 (2-10)(082713)		TMW-T24 (6-8)(080213)		TMW-T-25 (6-8)(080213)	
							Depth Interval		4 - 6 ft		6 - 8 ft		4 - 10.3 ft		2 - 10 ft		6 - 8 ft		6 - 8 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	n,n-Dimethylaniline	121-69-7	mg/kg	††	††	††	0.19	UJ	0.18	UJ	0.19	UJ	0.19	UJ	0.19	UJ	0.19	UJ	0.19	UJ
	Naphthalene	91-20-3	mg/kg	12	††	500	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.095	J
	Nitrobenzene	98-95-3	mg/kg	††	0.17	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	N-Nitroso-di-n-propylamine	621-64-7	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	N-Nitrosodiphenylamine	86-30-6	mg/kg	††	††	††	0.19	U	0.18	U	0.19	UJ	0.19	U	0.19	U	0.19	U	0.19	U
	Pentachloropheno	87-86-5	mg/kg	0.8	††	6.7	0.37	U	0.35	U	0.37	U	0.36	U	0.37	U	0.37	U	0.37	U
	Phenanthrene	85-01-8	mg/kg	1,000	††	500	0.035	J	0.024	J	0.048	J	0.14	J	0.017	J	0.28			
	Phenol	108-95-2	mg/kg	0.33	††	500	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
	Pyrene	129-00-0	mg/kg	1,000	††	500	0.14	J	0.034	J	0.049	J	0.21		0.049	J	0.87			
	Pyridine	110-86-1	mg/kg	††	††	††	0.37	U	0.35	U	0.37	U	0.36	U	0.37	U	0.37	U	0.37	U
TPH Method SW8015B/D	Triethylamine	121-44-8	mg/kg	††	††	††	0.37	UJ	0.35	UJ	0.37	UJ	0.36	UJ	0.37	UJ	0.37	UJ	0.37	UJ
	Ethanol	64-17-5	mg/kg	††	††	††	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
	Ethylene glyco	107-21-1	mg/kg	††	††	††	5.4	U	5.1	U	5.6	U	5.5	U	5.4	U	5.4	U	5.4	U
	Isobutanol	78-83-1	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Isopropyl alcohol	67-63-0	mg/kg	††	††	††	1.1	U	1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
	Methanol	67-56-1	mg/kg	††	††	††	0.48	J	1	U	1.1	U	1.1	UJ	11		4.8			
	Propylene glycol	57-55-6	mg/kg	††	††	††	5.4	U	5.1	U	5.6	U	5.5	U	5.4	U	5.4	U	5.4	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		T-26		T-27		T-28		T-29		T-30 ⁽¹⁾		T-31 ⁽¹⁾	
							Sample Date		8/5/2013 11:10		8/5/2013 14:30		8/1/2013 14:25		8/1/2013 9:45		8/5/2013 14:00		8/5/2013 11:00	
							Sample ID		TMW-T26 (6-8)(080513)		TMW-T27 (2-4)(080513)		TMW-T28 (14-15)(080113)		TMW-T29 (2-4)(080113)		TMW-T30 (4-6)(080513)		TMW-T31 (6-6.7)(080513)	
							Depth Interval		6 - 8 ft		2 - 4 ft		14 - 15 ft		2 - 4 ft		4 - 6 ft		6 - 6.7 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	††	500	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	††	0.6	††	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	mg/kg	††	6	††	0.0036	U	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	1,1,2-Trichloroethane	79-00-5	mg/kg	††	††	††	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	1,1-Dichloroethane	75-34-3	mg/kg	0.27	††	240	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	1,1-Dichloroethene	75-35-4	mg/kg	0.33	††	500	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	1,2,3-Trichlorobenzene	87-61-6	mg/kg	††	††	††	0.0036	U	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	1,2,4-Trichlorobenzene	120-82-1	mg/kg	††	3.4	††	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	1,2,4-Trimethylbenzene	95-63-6	mg/kg	3.6	††	190	0.0036	UJ	0.0042	U	2.1		1.3	U	0.0039	U	0.0039	U	0.0039	U
	1,2-Dibromo-3-Chloropropane	96-12-8	mg/kg	††	††	††	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	1,2-Dibromoethane	106-93-4	mg/kg	††	††	††	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	††	500	0.0036	U	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	1,2-Dichloroethane	107-06-2	mg/kg	0.02	††	30	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	1,2-Dichloropropane	78-87-5	mg/kg	††	††	††	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	1,3,5-Trimethylbenzene	108-67-8	mg/kg	8.4	††	190	0.0036	UJ	0.0042	U	1.2		1.3	U	0.0039	U	0.0039	U	0.0039	U
	1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	††	280	0.0036	U	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	††	130	0.0036	U	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	1,4-Dioxane	123-91-1	mg/kg	0.1	††	130	0.14	UJ	0.17	UJ	18	UJ	54	UJ	0.16	UJ	0.16	UJ	0.16	UJ
	2-Butanone	78-93-3	mg/kg	0.12	0.3	500	0.0026	J	0.0038	J	2.2	U	6.7	U	0.02	U	0.019	U	0.019	U
	2-Hexanone	591-78-6	mg/kg	††	††	††	0.018	UJ	0.021	U	2.2	U	6.7	U	0.02	U	0.019	U	0.019	U
	2-Nitropropane	79-46-9	mg/kg	††	††	††	0.018	UJ	0.021	UJ	2.2	UJ	6.7	UJ	0.02	UJ	0.019	UJ	0.019	UJ
	4-Methyl-2-pentanone	108-10-1	mg/kg	††	1	††	0.018	UJ	0.022		2.2	U	6.7	U	0.02	U	0.019	U	0.019	U
	Acetone	67-64-1	mg/kg	0.05	††	500	0.024		0.025		2.2	U	6.7	U	0.01	J	0.019	U	0.019	U
	Acetonitrile	75-05-8	mg/kg	††	††	††	0.14	U	0.17	U	18	U	54	U	0.16	U	0.16	U	0.16	U
	Benzene	71-43-2	mg/kg	0.06	††	44	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	Bromochloromethane	74-97-5	mg/kg	††	††	††	0.0036	U	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	Bromodichloromethane	75-27-4	mg/kg	††	††	††	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	Bromoform	75-25-2	mg/kg	††	††	††	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	Bromomethane	74-83-9	mg/kg	††	††	††	0.0036	U	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	Carbon disulfide	75-15-0	mg/kg	††	2.7	††	0.0036	U	0.0026	J	0.44	UJ	1.3	UJ	0.0039	U	0.0039	U	0.0039	U
	Carbon tetrachloride	56-23-5	mg/kg	0.76	††	22	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	Chlorobenzene	108-90-7	mg/kg	1.1	††	500	0.0036	U	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	Chlorodifluoromethane	75-45-6	mg/kg	††	††	††	0.0036	UJ	0.0042	UJ	0.44	UJ	1.3	UJ	0.0039	UJ	0.0039	UJ	0.0039	UJ
	Chloroethane	75-00-3	mg/kg	††	1.9	††	0.0036	U	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	Chloroform	67-66-3	mg/kg	0.37	††	350	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	Chloromethane	74-87-3	mg/kg	††	††	††	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	cis-1,2-Dichloroethene	156-59-2	mg/kg	0.25	††	500	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	cis-1,3-Dichloropropene	10061-01-5	mg/kg	††	††	††	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	Cyclohexane	110-82-7	mg/kg	††	††	††	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	Cyclohexanone	108-94-1	mg/kg	††	††	††	0.036	UJ	0.042	UJ		R		R	0.039	UJ	0.039	UJ	0.039	UJ
	Dibromochloromethane	124-48-1	mg/kg	††	††	††	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	Dichlorodifluoromethane	75-71-8	mg/kg	††	††	††	0.0036	U	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	Diethyl ether	60-29-7	mg/kg	††	††	††	0.018	UJ	0.021	UJ	2.2	UJ	6.7	UJ	0.02	UJ	0.019	UJ	0.019	UJ
	Ethyl acetate	141-78-6	mg/kg	††	††	††	0.0036	UJ	0.0042	UJ	0.44	UJ	1.3	UJ	0.0039	UJ	0.0039	UJ	0.0039	UJ
	Ethylbenzene	100-41-4	mg/kg	1	††	390	0.0036	UJ	0.00029	J	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		T-26		T-27		T-28		T-29		T-30 ⁽¹⁾		T-31 ⁽¹⁾	
							Sample Date		8/5/2013 11:10		8/5/2013 14:30		8/1/2013 14:25		8/1/2013 9:45		8/5/2013 14:00		8/5/2013 11:00	
							Sample ID		TMW-T26 (6-8)(080513)		TMW-T27 (2-4)(080513)		TMW-T28 (14-15)(080113)		TMW-T29 (2-4)(080113)		TMW-T30 (4-6)(080513)		TMW-T31 (6-6.7)(080513)	
							Depth Interval		6 - 8 ft		2 - 4 ft		14 - 15 ft		2 - 4 ft		4 - 6 ft		6 - 6.7 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Isobutanol	78-83-1	mg/kg	††	††	††	0.14	UJ	0.17	UJ	18	UJ	54	UJ	0.16	UJ	0.16	UJ	0.16	UJ
	Isopropylbenzene	98-82-8	mg/kg	††	2.3	††	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	m&p-Xylene	179601-23-1	mg/kg	††	††	††	0.0072	U	0.001	J	0.88	U	2.7	U	0.0078	U	0.0078	U	0.0078	U
	Methyl acetate	79-20-9	mg/kg	††	††	††	0.0036	U	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	Methyl tert-butyl ether	1634-04-4	mg/kg	0.93	††	500	0.0036	U	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	Methylcyclohexane	108-87-2	mg/kg	††	††	††	0.0036	UJ	0.00083	J	5.5	90	0.0039	U	0.0039	U	0.0039	U	0.0039	U
	Methylene Chloride	75-09-2	mg/kg	0.05	††	500	0.0036	U	0.016	J	0.11	J	0.44	J	0.0027	J	0.0039	U	0.0039	U
	Naphthalene	91-20-3	mg/kg	12	††	500	0.0036	U	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	n-Butanol	71-36-3	mg/kg	††	††	††	0.14	UJ	0.17	UJ	18	UJ	54	UJ	0.16	UJ	0.16	UJ	0.16	UJ
	n-Butylbenzene	104-51-8	mg/kg	12	††	500	0.0036	UJ	0.0042	U	0.39	J	1.3	U	0.0039	U	0.0039	U	0.0039	U
	n-Heptane	142-82-5	mg/kg	††	††	††	0.072	UJ	0.084	UJ	18	J	190	DJ	0.078	UJ	0.078	UJ	0.078	UJ
	n-Hexane	110-54-3	mg/kg	††	††	††	0.036	UJ	0.042	UJ	4.4	UJ	13	UJ	0.039	UJ	0.039	UJ	0.039	UJ
	o-Xylene	95-47-6	mg/kg	††	††	††	0.0036	U	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	p-Isopropyltoluene	99-87-6	mg/kg	††	10	††	0.0036	UJ	0.0042	U	0.33	J	1.3	U	0.0039	U	0.0039	U	0.0039	U
	sec-Butylbenzene	135-98-8	mg/kg	11	††	500	0.0036	UJ	0.0042	U	0.24	J	1.3	U	0.0039	U	0.0039	U	0.0039	U
	Styrene	100-42-5	mg/kg	††	††	††	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	tert-Butanol	75-65-0	mg/kg	††	††	††	0.072	UJ	0.084	UJ	8.8	UJ	27	UJ	0.078	UJ	0.078	UJ	0.078	UJ
	tert-Butylbenzene	98-06-6	mg/kg	5.9	††	500	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	Tetrachloroethene	127-18-4	mg/kg	1.3	††	150	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	Tetrahydrofuran	109-99-9	mg/kg	††	††	††	0.018	U	0.021	U	2.2	U	6.7	U	0.02	U	0.019	U	0.019	U
	Toluene	108-88-3	mg/kg	0.7	††	500	0.0036	U	0.0048	U	0.44	U	1.3	U	0.00099	J	0.0039	U	0.0039	U
	trans-1,2-Dichloroethene	156-60-5	mg/kg	0.19	††	500	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	trans-1,3-Dichloropropene	10061-02-6	mg/kg	††	††	††	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	Trichloroethene	79-01-6	mg/kg	0.47	††	200	0.0036	UJ	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	Trichlorofluoromethane	75-69-4	mg/kg	††	††	††	0.0023	J	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	Vinyl chloride	75-01-4	mg/kg	0.02	††	13	0.0036	U	0.0042	U	0.44	U	1.3	U	0.0039	U	0.0039	U	0.0039	U
	Xylenes (total)	1330-20-7	mg/kg	1.6	††	500	0.0072	UJ	0.001	J	0.88	U	2.7	U	0.0078	U	0.0078	U	0.0078	U
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	mg/kg	††	††	††	0.18	UJ	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	††	††	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	2,2'-Oxybis(1-Chloropropane)	108-60-1	mg/kg	††	††	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	††	††	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	2,4,5-Trichlorophenol	95-95-4	mg/kg	††	0.1	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	2,4,6-Trichlorophenol	88-06-2	mg/kg	††	††	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	2,4-Dichloropheno	120-83-2	mg/kg	††	0.4	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	2,4-Dimethylpheno	105-67-9	mg/kg	††	††	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	2,4-Dinitrophenol	51-28-5	mg/kg	††	0.2	††	0.34	U	0.35	U	0.39	U	0.38	U	0.35	U	0.35	U	0.35	U
	2,4-Dinitrotoluene	121-14-2	mg/kg	††	††	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	2,6-Dinitrotoluene	606-20-2	mg/kg	††	0.17	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	2-Chloronaphthalene	91-58-7	mg/kg	††	††	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	2-Chloropheno	95-57-8	mg/kg	††	††	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	2-Methylnaphthalene	91-57-6	mg/kg	††	36.4	††	0.087	J	0.18	U	0.019	J	0.055	J	0.18	U	0.18	U	0.18	U
	2-Methylpheno	95-48-7	mg/kg	0.33	††	500	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	2-Nitroaniline	88-74-4	mg/kg	††	0.4	††	0.34	U	0.35	U	0.39	U	0.38	U	0.35	U	0.35	U	0.35	U
	2-Nitrophenol	88-75-5	mg/kg	††	0.3	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	3 & 4 Methylpheno	MEPH3MEPH4	mg/kg	††	††	††	0.34	U	0.35	U	0.39	U	0.38	U	0.35	U	0.35	U	0.35	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		T-26		T-27		T-28		T-29		T-30 ⁽¹⁾		T-31 ⁽¹⁾	
							Sample Date		8/5/2013 11:10		8/5/2013 14:30		8/1/2013 14:25		8/1/2013 9:45		8/5/2013 14:00		8/5/2013 11:00	
							Sample ID		TMW-T26 (6-8)(080513)		TMW-T27 (2-4)(080513)		TMW-T28 (14-15)(080113)		TMW-T29 (2-4)(080113)		TMW-T30 (4-6)(080513)		TMW-T31 (6-6.7)(080513)	
							Depth Interval		6 - 8 ft		2 - 4 ft		14 - 15 ft		2 - 4 ft		4 - 6 ft		6 - 6.7 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	3,3'-Dichlorobenzidine	91-94-1	mg/kg	††	††	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	3-Nitroaniline	99-09-2	mg/kg	††	0.5	††	0.34	U	0.35	U	0.39	U	0.38	U	0.35	U	0.35	U	0.35	U
	4,6-Dinitro-2-methylpheno	534-52-1	mg/kg	††	††	††	0.34	U	0.35	U	0.39	U	0.38	U	0.35	U	0.35	U	0.35	U
	4-Bromophenyl phenyl ethe	101-55-3	mg/kg	††	††	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	4-Chloro-3-methylpheno	59-50-7	mg/kg	††	††	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	4-Chloroaniline	106-47-8	mg/kg	††	0.22	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	4-Chlorophenyl phenyl ethe	7005-72-3	mg/kg	††	††	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	4-Methylpheno	106-44-5	mg/kg	0.33	††	500	0.34	U	0.35	U	0.39	U	0.38	U	0.35	U	0.35	U	0.35	U
	4-Nitroaniline	100-01-6	mg/kg	††	††	††	0.34	U	0.35	U	0.39	U	0.38	U	0.35	U	0.35	U	0.35	U
	4-Nitrophenol	100-02-7	mg/kg	††	0.1	††	0.34	U	0.35	U	0.39	U	0.38	U	0.35	U	0.35	U	0.35	U
	Acenaphthene	83-32-9	mg/kg	98	††	500	0.032	J	0.18	U	0.055	J	0.19	U	0.18	U	0.18	U	0.18	U
	Acenaphthylene	208-96-8	mg/kg	107	††	500	0.18	U	0.18	U	0.012	J	0.19	U	0.18	U	0.18	U	0.18	U
	Acetophenone	98-86-2	mg/kg	††	††	††	0.18	U	0.18	U	0.2	U	0.41		0.18	U	0.18	U	0.18	U
	Aniline	62-53-3	mg/kg	††	0.33	††	0.34	U	0.35	U	0.39	U	0.16	J	0.35	U	0.35	U	0.35	U
	Anthracene	120-12-7	mg/kg	1,000	††	500	0.071	J	0.18	U	0.12	J	0.022	J	0.18	U	0.18	U	0.18	U
	Atrazine	1912-24-9	mg/kg	††	††	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	Benzaldehyde	100-52-7	mg/kg	††	††	††	0.021	J	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	Benzo(a)anthracene	56-55-3	mg/kg	1	††	5.6	0.19	J	0.18	U	0.3		0.19	U	0.18	U	0.18	U	0.18	U
	Benzo(a)pyrene	50-32-8	mg/kg	22	††	1	0.17	J	0.18	U	0.24		0.1	J	0.18	U	0.18	U	0.18	U
	Benzo(b)fluoranthene	205-99-2	mg/kg	1.7	††	5.6	0.24		0.18	U	0.37		0.23		0.18	U	0.18	U	0.18	U
	Benzo(g,h,i)perylene	191-24-2	mg/kg	1,000	††	500	0.073	J	0.18	U	0.11	J	0.1	J	0.18	U	0.18	U	0.18	U
	Benzo(k)fluoranthene	207-08-9	mg/kg	1.7	††	56	0.1	J	0.18	U	0.13	J	0.077	J	0.18	U	0.18	U	0.18	U
	Benzyl alcohol	100-51-6	mg/kg	††	††	††	0.14	J	0.35	U	0.39	U	0.38	U	0.35	U	0.35	U	0.35	U
	Bis(2-chloroethoxy)methane	111-91-1	mg/kg	††	††	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	Bis(2-chloroethyl)ether	111-44-4	mg/kg	††	††	††	0.18	U	0.18	U	0.2	U	0.16	J	0.18	U	0.18	U	0.18	U
	Bis(2-ethylhexyl) phthalate	117-81-7	mg/kg	††	435	††	0.4	J	0.11	J	0.2		0.39		0.068	J	0.17	J		
	Butyl benzyl phthalate	85-68-7	mg/kg	††	122	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	Caprolactam	105-60-2	mg/kg	††	††	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	Carbazole	86-74-8	mg/kg	††	††	††	0.035	J	0.18	U	0.057	J	0.041	J	0.18	U	0.18	U	0.18	U
	Chrysene	218-01-9	mg/kg	1	††	56	0.17	J	0.18	U	0.32		0.12	J	0.18	U	0.18	U	0.18	U
	Dibenz(a,h)anthracene	53-70-3	mg/kg	1,000	††	0.56	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	Dibenzofuran	132-64-9	mg/kg	210	6.2	350	0.017	J	0.18	U	0.033	J	0.019	J	0.18	U	0.18	U	0.18	U
	Dicyclohexylamine	101-83-7	mg/kg	††	††	††	0.18	U	0.18	U	0.2	U	0.91	J	0.18	U	0.18	U	0.18	U
	Diethyl phthalate	84-66-2	mg/kg	††	7.1	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	Dimethyl phthalate	131-11-3	mg/kg	††	27	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	Di-n-butyl phthalate	84-74-2	mg/kg	††	8.1	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	Di-n-octyl phthalate	117-84-0	mg/kg	††	120	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	Fluoranthene	206-44-0	mg/kg	1,000	††	500	0.38	J	0.18	U	0.77		0.18	J	0.18	U	0.18	U	0.18	U
	Fluorene	86-73-7	mg/kg	386	††	500	0.031	J	0.18	U	0.064	J	0.026	J	0.18	U	0.18	U	0.18	U
	Hexachlorobenzene	118-74-1	mg/kg	3.2	1.4	6	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	Hexachlorobutadiene	87-68-3	mg/kg	††	††	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	Hexachlorocyclopentadiene	77-47-4	mg/kg	††	††	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	Hexachloroethane	67-72-1	mg/kg	††	††	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	8.2	††	5.6	0.2	J	0.18	U	0.24		0.21		0.18	U	0.18	U	0.18	U
	Isophorone	78-59-1	mg/kg	††	4.4	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		T-26		T-27		T-28		T-29		T-30 ⁽¹⁾		T-31 ⁽¹⁾	
							Sample Date		8/5/2013 11:10		8/5/2013 14:30		8/1/2013 14:25		8/1/2013 9:45		8/5/2013 14:00		8/5/2013 11:00	
							Sample ID		TMW-T26 (6-8)(080513)		TMW-T27 (2-4)(080513)		TMW-T28 (14-15)(080113)		TMW-T29 (2-4)(080113)		TMW-T30 (4-6)(080513)		TMW-T31 (6-6.7)(080513)	
							Depth Interval		6 - 8 ft		2 - 4 ft		14 - 15 ft		2 - 4 ft		4 - 6 ft		6 - 6.7 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	n,n-Dimethylaniline	121-69-7	mg/kg	††	††	††	0.18	UJ	0.18	UJ	0.2	UJ	0.19	UJ	0.18	UJ	0.18	UJ	0.18	UJ
	Naphthalene	91-20-3	mg/kg	12	††	500	0.032	J	0.18	U	0.036	J	0.053	J	0.18	U	0.18	U	0.18	U
	Nitrobenzene	98-95-3	mg/kg	††	0.17	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	N-Nitroso-di-n-propylamine	621-64-7	mg/kg	††	††	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	N-Nitrosodiphenylamine	86-30-6	mg/kg	††	††	††	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	Pentachloropheno	87-86-5	mg/kg	0.8	††	6.7	0.34	U	0.35	U	0.39	U	0.38	U	0.35	U	0.35	U	0.35	U
	Phenanthrene	85-01-8	mg/kg	1,000	††	500	0.23		0.18	U	0.48		0.14	J	0.18	U	0.18	U	0.18	U
	Phenol	108-95-2	mg/kg	0.33	††	500	0.18	U	0.18	U	0.2	U	0.19	U	0.18	U	0.18	U	0.18	U
	Pyrene	129-00-0	mg/kg	1,000	††	500	0.32		0.18	U	0.7		0.27		0.18	U	0.18	U	0.18	U
	Pyridine	110-86-1	mg/kg	††	††	††	0.34	U	0.35	U	0.39	U	0.38	U	0.35	U	0.35	U	0.35	U
	Triethylamine	121-44-8	mg/kg	††	††	††	0.34	UJ	0.35	UJ	0.39	UJ	0.38	UJ	0.35	UJ	0.35	UJ	0.35	UJ
TPH Method SW8015B/D	Ethanol	64-17-5	mg/kg	††	††	††	1	U	1	U	55	U	1	U	1	U	0.97	U		
	Ethylene glyco	107-21-1	mg/kg	††	††	††	5.1	U	5.3	U	280	U	5.4	U	5.1	U	5.1	U	5.1	U
	Isobutanol	78-83-1	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Isopropyl alcohol	67-63-0	mg/kg	††	††	††	1	U	1	U	55	U	1	U	1	U	0.97	U		
	Methanol	67-56-1	mg/kg	††	††	††	1.4		0.48	J	55	U	1	U	0.54	J	1.3	--		
	Propylene glycol	57-55-6	mg/kg	††	††	††	5.1	U	5.3	U	280	U	5.4	U	5.1	U	5.1	U	5.1	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		T-32		T-33		T-34		T-35		T-36 ⁽¹⁾	
							Sample Date		8/1/2013 11:55		7/29/2013 13:30		7/30/2013 8:50		7/30/2013 15:35		7/31/2013 10:30	
							Sample ID		TMW-T32 (8-10)(080113)		TMW-T33 (8-11)(072913)		TMW-T34 (5-8)(073013)		TMW-T35 (8-10)(073013)		TMW-T36 (8-11)(073113)	
							Depth Interval		8 - 10 ft		8 - 11 ft		5 - 8 ft		8 - 10 ft		8 - 11 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	††	500	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	††	0.6	††	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	mg/kg	††	6	††	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	1,1,2-Trichloroethane	79-00-5	mg/kg	††	††	††	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	1,1-Dichloroethane	75-34-3	mg/kg	0.27	††	240	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	1,1-Dichloroethene	75-35-4	mg/kg	0.33	††	500	0.0043	J	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	1,2,3-Trichlorobenzene	87-61-6	mg/kg	††	††	††	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	1,2,4-Trichlorobenzene	120-82-1	mg/kg	††	3.4	††	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	1,2,4-Trimethylbenzene	95-63-6	mg/kg	3.6	††	190	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.027	DJ	0.0042	U
	1,2-Dibromo-3-Chloropropane	96-12-8	mg/kg	††	††	††	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	UJ
	1,2-Dibromoethane	106-93-4	mg/kg	††	††	††	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	††	500	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.046	D	0.0018	J
	1,2-Dichloroethane	107-06-2	mg/kg	0.02	††	30	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	1,2-Dichloropropane	78-87-5	mg/kg	††	††	††	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	1,3,5-Trimethylbenzene	108-67-8	mg/kg	8.4	††	190	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	††	280	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	††	130	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	1,4-Dioxane	123-91-1	mg/kg	0.1	††	130	0.13	UJ	0.13	UJ	0.14	UJ	0.13	UJ	0.16	UJ	0.17	UJ
	2-Butanone	78-93-3	mg/kg	0.12	0.3	500	0.017	U	0.017	U	0.017	U	0.017	U	0.02	U	0.0021	J
	2-Hexanone	591-78-6	mg/kg	††	††	††	0.017	U	0.017	U	0.017	U	0.017	U	0.02	U	0.021	UJ
	2-Nitropropane	79-46-9	mg/kg	††	††	††	0.017	UJ	0.017	UJ	0.017	UJ	0.017	UJ	0.02	UJ	0.021	UJ
	4-Methyl-2-pentanone	108-10-1	mg/kg	††	1	††	0.007	J	0.0028	J	0.017	U	0.017	U	2.8	D	0.031	J
	Acetone	67-64-1	mg/kg	0.05	††	500	0.0086	J	0.039		0.0049	J	0.0057	J	0.011	J	0.022	J
	Acetonitrile	75-05-8	mg/kg	††	††	††	0.13	U	0.13	U	0.14	U	0.13	U	0.16	U	0.17	UJ
	Benzene	71-43-2	mg/kg	0.06	††	44	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	Bromochloromethane	74-97-5	mg/kg	††	††	††	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	Bromodichloromethane	75-27-4	mg/kg	††	††	††	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	UJ
	Bromoform	75-25-2	mg/kg	††	††	††	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	UJ
	Bromomethane	74-83-9	mg/kg	††	††	††	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	Carbon disulfide	75-15-0	mg/kg	††	2.7	††	0.0033	U	0.0033	UJ	0.0035	UJ	0.0034	UJ	0.0098	J	0.0042	U
	Carbon tetrachloride	56-23-5	mg/kg	0.76	††	22	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	UJ
	Chlorobenzene	108-90-7	mg/kg	1.1	††	500	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	Chlorodifluoromethane	75-45-6	mg/kg	††	††	††	0.0033	UJ	0.0033	UJ	0.0035	UJ	0.0034	UJ	0.0039	UJ	0.0042	UJ
	Chloroethane	75-00-3	mg/kg	††	1.9	††	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	Chloroform	67-66-3	mg/kg	0.37	††	350	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	Chloromethane	74-87-3	mg/kg	††	††	††	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	cis-1,2-Dichloroethene	156-59-2	mg/kg	0.25	††	500	0.0033	U	0.00046	J	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	cis-1,3-Dichloropropene	10061-01-5	mg/kg	††	††	††	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	Cyclohexane	110-82-7	mg/kg	††	††	††	0.0033	U	0.0033	UJ	0.0005	J	0.00077	J	0.0039	UJ	0.0047	J
	Cyclohexanone	108-94-1	mg/kg	††	††	††	0.033	UJ	0.033	UJ	0.035	UJ	0.034	UJ	0.039	UJ	0.042	UJ
	Dibromochloromethane	124-48-1	mg/kg	††	††	††	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	UJ
	Dichlorodifluoromethane	75-71-8	mg/kg	††	††	††	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	Diethyl ether	60-29-7	mg/kg	††	††	††	0.017	UJ	0.017	UJ	0.017	UJ	0.017	UJ	0.02	UJ	0.021	UJ
	Ethyl acetate	141-78-6	mg/kg	††	††	††	0.0033	UJ	0.0033	UJ	0.0035	UJ	0.0034	UJ	0.0039	UJ	0.0042	UJ
	Ethylbenzene	100-41-4	mg/kg	1	††	390	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0012	J

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		T-32		T-33		T-34		T-35		T-36 ⁽¹⁾	
							Sample Date		8/1/2013 11:55		7/29/2013 13:30		7/30/2013 8:50		7/30/2013 15:35		7/31/2013 10:30	
							Sample ID		TMW-T32 (8-10)(080113)		TMW-T33 (8-11)(072913)		TMW-T34 (5-8)(073013)		FD-02 (073013)		TMW-T35 (8-10)(073013)	
							Depth Interval		8 - 10 ft		8 - 11 ft		5 - 8 ft		5 - 8 ft		8 - 10 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Isobutanol	78-83-1	mg/kg	††	††	††	0.13	UJ	0.13	UJ	0.14	UJ	0.13	UJ	0.16	UJ	0.17	UJ
	Isopropylbenzene	98-82-8	mg/kg	††	2.3	††	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	m&p-Xylene	179601-23-1	mg/kg	††	††	††	0.0067	U	0.0067	U	0.0069	U	0.0067	U	0.029	DJ	0.0045	J
	Methyl acetate	79-20-9	mg/kg	††	††	††	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0011	J
	Methyl tert-butyl ether	1634-04-4	mg/kg	0.93	††	500	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	Methylcyclohexane	108-87-2	mg/kg	††	††	††	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.068	D	0.0042	U
	Methylene Chloride	75-09-2	mg/kg	0.05	††	500	0.0033	U	0.0033	U	0.0035	U	0.0034	U	1.8	D	32	D
	Naphthalene	91-20-3	mg/kg	12	††	500	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0024	J
	n-Butanol	71-36-3	mg/kg	††	††	††	0.13	UJ	0.13	UJ	0.14	UJ	0.13	UJ	0.16	UJ	0.17	UJ
	n-Butylbenzene	104-51-8	mg/kg	12	††	500	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	n-Heptane	142-82-5	mg/kg	††	††	††	0.067	UJ	0.067	UJ	0.069	UJ	0.067	UJ	0.19	DJ	0.084	UJ
	n-Hexane	110-54-3	mg/kg	††	††	††	0.033	UJ	0.033	UJ	0.035	UJ	0.034	UJ	0.15	DJ	0.042	UJ
	o-Xylene	95-47-6	mg/kg	††	††	††	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0081	DJ	0.0016	J
	p-Isopropyltoluene	99-87-6	mg/kg	††	10	††	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	sec-Butylbenzene	135-98-8	mg/kg	11	††	500	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	Styrene	100-42-5	mg/kg	††	††	††	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	tert-Butanol	75-65-0	mg/kg	††	††	††	0.067	UJ	0.067	UJ	0.069	UJ	0.067	UJ	0.078	UJ	0.084	UJ
	tert-Butylbenzene	98-06-6	mg/kg	5.9	††	500	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	Tetrachloroethene	127-18-4	mg/kg	1.3	††	150	0.0033	UB	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	UB
	Tetrahydrofuran	109-99-9	mg/kg	††	††	††	0.017	U	0.004	J	0.017	U	0.017	U	0.02	U	0.021	UJ
	Toluene	108-88-3	mg/kg	0.7	††	500	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.029	DJ	0.0062	--
	trans-1,2-Dichloroethene	156-60-5	mg/kg	0.19	††	500	0.0033	U	0.00054	J	0.00044	J	0.0034	U	0.0039	U	0.0021	J
	trans-1,3-Dichloropropene	10061-02-6	mg/kg	††	††	††	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	Trichloroethene	79-01-6	mg/kg	0.47	††	200	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0019	J
	Trichlorofluoromethane	75-69-4	mg/kg	††	††	††	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	Vinyl chloride	75-01-4	mg/kg	0.02	††	13	0.0033	U	0.0033	U	0.0035	U	0.0034	U	0.0039	U	0.0042	U
	Xylenes (total)	1330-20-7	mg/kg	1.6	††	500	0.0067	U	0.0067	U	0.0069	U	0.0067	U	0.037	DJ	0.0061	J
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U
	1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U
	2,2'-Oxybis(1-Chloropropane)	108-60-1	mg/kg	††	††	††	0.19	U	0.18	UJ	0.19	U	0.19	U	0.18	U	0.18	U
	2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U
	2,4,5-Trichlorophenol	95-95-4	mg/kg	††	0.1	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U
	2,4,6-Trichlorophenol	88-06-2	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U
	2,4-Dichloropheno	120-83-2	mg/kg	††	0.4	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U
	2,4-Dimethylpheno	105-67-9	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U
	2,4-Dinitrophenol	51-28-5	mg/kg	††	0.2	††	0.37	U	0.36	UJ	0.36	U	0.36	U	0.35	U	0.35	U
	2,4-Dinitrotoluene	121-14-2	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U
	2,6-Dinitrotoluene	606-20-2	mg/kg	††	0.17	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U
	2-Chloronaphthalene	91-58-7	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U
	2-Chloropheno	95-57-8	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U
	2-Methylnaphthalene	91-57-6	mg/kg	††	36.4	††	0.19	U	0.18	U	0.048	J	0.021	J	0.18	U	0.0026	J
	2-Methylpheno	95-48-7	mg/kg	0.33	††	500	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U
	2-Nitroaniline	88-74-4	mg/kg	††	0.4	††	0.37	U	0.36	U	0.36	U	0.36	U	0.35	U	0.35	U
	2-Nitrophenol	88-75-5	mg/kg	††	0.3	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U
	3 & 4 Methylpheno	MEPH3MEPH4	mg/kg	††	††	††	0.37	U	0.36	U	0.36	U	0.36	U	0.35	U	0.35	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		T-32		T-33		T-34				T-35		T-36 ⁽¹⁾	
							Sample Date		8/1/2013 11:55		7/29/2013 13:30		7/30/2013 8:50		7/30/2013 8:50		7/30/2013 15:35		7/31/2013 10:30	
							Sample ID		TMW-T32 (8-10)(080113)		TMW-T33 (8-11)(072913)		TMW-T34 (5-8)(073013)		FD-02 (073013)		TMW-T35 (8-10)(073013)		TMW-T36 (8-11)(073113)	
							Depth Interval		8 - 10 ft		8 - 11 ft		5 - 8 ft		5 - 8 ft		8 - 10 ft		8 - 11 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
SVOCs Method SW8270C/D (Cont.)	3,3'-Dichlorobenzidine	91-94-1	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	3-Nitroaniline	99-09-2	mg/kg	††	0.5	††	0.37	U	0.36	U	0.36	U	0.36	U	0.35	U	0.35	U		
	4,6-Dinitro-2-methylpheno	534-52-1	mg/kg	††	††	††	0.37	U	0.36	U	0.36	U	0.36	U	0.35	U	0.35	U		
	4-Bromophenyl phenyl ethe	101-55-3	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	4-Chloro-3-methylpheno	59-50-7	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	4-Chloroaniline	106-47-8	mg/kg	††	0.22	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	4-Chlorophenyl phenyl ethe	7005-72-3	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	4-Methylpheno	106-44-5	mg/kg	0.33	††	500	0.37	U	0.36	U	0.36	U	0.36	U	0.35	U	0.35	U		
	4-Nitroaniline	100-01-6	mg/kg	††	††	††	0.37	U	0.36	UJ	0.36	U	0.36	U	0.35	U	0.35	U		
	4-Nitrophenol	100-02-7	mg/kg	††	0.1	††	0.37	U	0.36	UJ	0.36	U	0.36	U	0.35	U	0.35	U		
	Acenaphthene	83-32-9	mg/kg	98	††	500	0.19	U	0.18	U	0.0077	J	0.19	U	0.18	U	0.18	U		
	Acenaphthylene	208-96-8	mg/kg	107	††	500	0.19	U	0.18	U	0.029	J	0.19	U	0.18	U	0.18	U		
	Acetophenone	98-86-2	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	Aniline	62-53-3	mg/kg	††	0.33	††	0.37	U	0.36	U	0.36	U	0.36	U	0.35	U	0.35	U		
	Anthracene	120-12-7	mg/kg	1,000	††	500	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	Atrazine	1912-24-9	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	Benzaldehyde	100-52-7	mg/kg	††	††	††	0.19	U	--	R	--	R	--	R	--	R	0.18	U		
	Benzo(a)anthracene	56-55-3	mg/kg	1	††	5.6	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	Benzo(a)pyrene	50-32-8	mg/kg	22	††	1	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	Benzo(b)fluoranthene	205-99-2	mg/kg	1.7	††	5.6	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	Benzo(g,h,i)perylene	191-24-2	mg/kg	1,000	††	500	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	Benzo(k)fluoranthene	207-08-9	mg/kg	1.7	††	56	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	Benzyl alcoho	100-51-6	mg/kg	††	††	††	0.37	U	0.36	UJ	0.36	U	0.36	U	0.35	U	0.35	U		
	Bis(2-chloroethoxy)methane	111-91-1	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	Bis(2-chloroethyl)ether	111-44-4	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	Bis(2-ethylhexyl) phthalate	117-81-7	mg/kg	††	435	††	0.19	U	0.23	--	0.19	U	0.19	U	0.66		0.24			
	Butyl benzyl phthalate	85-68-7	mg/kg	††	122	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	Caprolactam	105-60-2	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	Carbazole	86-74-8	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	Chrysene	218-01-9	mg/kg	1	††	56	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	Dibenz(a,h)anthracene	53-70-3	mg/kg	1,000	††	0.56	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	Dibenzofuran	132-64-9	mg/kg	210	6.2	350	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	Dicyclohexylamine	101-83-7	mg/kg	††	††	††	0.19	UJ	0.18	UJ	0.19	UJ	0.19	UJ	0.18	UJ	0.18	UJ		
	Diethyl phthalate	84-66-2	mg/kg	††	7.1	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	Dimethyl phthalate	131-11-3	mg/kg	††	27	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	Di-n-butyl phthalate	84-74-2	mg/kg	††	8.1	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	Di-n-octyl phthalate	117-84-0	mg/kg	††	120	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	Fluoranthene	206-44-0	mg/kg	1,000	††	500	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.026	J		
	Fluorene	86-73-7	mg/kg	386	††	500	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	Hexachlorobenzene	118-74-1	mg/kg	3.2	1.4	6	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	Hexachlorobutadiene	87-68-3	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	Hexachlorocyclopentadiene	77-47-4	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	Hexachloroethane	67-72-1	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	8.2	††	5.6	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		
	Isophorone	78-59-1	mg/kg	††	4.4	††	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U		

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		T-32		T-33		T-34		T-35		T-36 ⁽¹⁾	
							Sample Date		8/1/2013 11:55		7/29/2013 13:30		7/30/2013 8:50		7/30/2013 15:35		7/31/2013 10:30	
							Sample ID		TMW-T32 (8-10)(080113)		TMW-T33 (8-11)(072913)		TMW-T34 (5-8)(073013)		FD-02 (073013)		TMW-T35 (8-10)(073013)	
							Depth Interval		8 - 10 ft		8 - 11 ft		5 - 8 ft		5 - 8 ft		8 - 10 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	n,n-Dimethylaniline	121-69-7	mg/kg	††	††	††	0.19	UJ	0.18	UJ	0.19	UJ	0.19	UJ	0.19	UJ	0.27	J
	Naphthalene	91-20-3	mg/kg	12	††	500	0.19	U	0.18	U	0.43	--	0.18	J	0.18	U	0.035	J
	Nitrobenzene	98-95-3	mg/kg	††	0.17	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.18	U
	N-Nitroso-di-n-propylamine	621-64-7	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.18	U
	N-Nitrosodiphenylamine	86-30-6	mg/kg	††	††	††	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.18	U
	Pentachloropheno	87-86-5	mg/kg	0.8	††	6.7	0.37	U	0.36	U	0.36	U	0.36	U	0.36	U	0.35	U
	Phenanthrene	85-01-8	mg/kg	1,000	††	500	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.025	J
	Phenol	108-95-2	mg/kg	0.33	††	500	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	5.6	D
	Pyrene	129-00-0	mg/kg	1,000	††	500	0.19	U	0.18	U	0.19	U	0.19	U	0.19	U	0.028	J
	Pyridine	110-86-1	mg/kg	††	††	††	0.37	U	0.36	UJ	0.36	U	0.36	U	0.36	U	0.35	U
TPH Method SW8015B/D	Triethylamine	121-44-8	mg/kg	††	††	††	0.37	UJ	0.36	UJ	0.36	UJ	0.36	UJ	0.36	UJ	0.35	UJ
	Ethanol	64-17-5	mg/kg	††	††	††	1	U	1.1	U	1.1	U	1.1	U	1.1	U	0.93	U
	Ethylene glyco	107-21-1	mg/kg	††	††	††	5.6	U	5.3	U	5.3	U	5.3	U	5.4	U	5.2	U
	Isobutanol	78-83-1	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--
	Isopropyl alcohol	67-63-0	mg/kg	††	††	††	1	U	1.1	U	1.1	U	1.1	U	1.1	U	0.93	U
	Methanol	67-56-1	mg/kg	††	††	††	0.7	J	1.1	U	1.1	U	1.1	U	1.1	U	0.93	U
	Propylene glycol	57-55-6	mg/kg	††	††	††	5.6	U	5.3	U	5.3	U	5.3	U	5.4	U	5.2	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Location		T-37		T-38 ⁽¹⁾		T-39 ⁽¹⁾		T-40 ⁽¹⁾		T-41		T-42 ⁽¹⁾	
							Sample Date		7/30/2013 9:00		7/23/2013 13:00		7/23/2013 16:30		7/23/2013 9:00		7/22/2013 11:00		7/29/2013 11:00	
							Sample ID		TMW-T37 (6-8)(073013)		TMW-38 (4-6)(072313)		TMW-39 (4-6)(072313)		TMW-40 (6.2-8.5)(072313)		TMW-T41 (30-30.5)(072213)		TMW-T42 (8-10)(072913)	
							Depth Interval		6 - 8 ft		4 - 6 ft		4 - 6 ft		6.2 - 8.5 ft		30 - 30.5 ft		8 - 10 ft	
							Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	††	500	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	††	0.6	††	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	mg/kg	††	6	††	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	1,1,2-Trichloroethane	79-00-5	mg/kg	††	††	††	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	1,1-Dichloroethane	75-34-3	mg/kg	0.27	††	240	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	1,1-Dichloroethene	75-35-4	mg/kg	0.33	††	500	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	1,2,3-Trichlorobenzene	87-61-6	mg/kg	††	††	††	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	1,2,4-Trichlorobenzene	120-82-1	mg/kg	††	3.4	††	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	1,2,4-Trimethylbenzene	95-63-6	mg/kg	3.6	††	190	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	1,2-Dibromo-3-Chloropropane	96-12-8	mg/kg	††	††	††	0.0044	U	0.005	UJ	0.0049	UJ	0.0042	UJ	0.005	U	0.004	U		
	1,2-Dibromoethane	106-93-4	mg/kg	††	††	††	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	††	500	0.0044	U	0.005	U	0.0049	U	0.00098	J	0.005	U	0.004	U		
	1,2-Dichloroethane	107-06-2	mg/kg	0.02	††	30	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	1,2-Dichloropropane	78-87-5	mg/kg	††	††	††	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	1,3,5-Trimethylbenzene	108-67-8	mg/kg	8.4	††	190	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	††	280	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	††	130	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	1,4-Dioxane	123-91-1	mg/kg	0.1	††	130	0.18	UJ	0.2	UJ	0.2	UJ	0.17	UJ	0.2	UJ	0.16	UJ		
	2-Butanone	78-93-3	mg/kg	0.12	0.3	500	0.022	U	0.025	UJ	0.025	UJ	0.0024	J	0.025	U	0.0028	J		
	2-Hexanone	591-78-6	mg/kg	††	††	††	0.022	U	0.025	UJ	0.025	UJ	0.021	UJ	0.025	U	0.02	U		
	2-Nitropropane	79-46-9	mg/kg	††	††	††	0.022	UJ	0.025	UJ	0.025	UJ	0.021	UJ	0.025	UJ	0.02	UJ		
	4-Methyl-2-pentanone	108-10-1	mg/kg	††	1	††	0.022	U	0.025	U	0.025	U	0.0078	J	0.025	U	0.0038	J		
	Acetone	67-64-1	mg/kg	0.05	††	500	0.022	U	0.0042	J	0.012	J	0.037	J	0.0051	J	0.16			
	Acetonitrile	75-05-8	mg/kg	††	††	††	0.18	U	0.2	U	0.2	U	0.17	U	0.2	U	0.16	U		
	Benzene	71-43-2	mg/kg	0.06	††	44	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	Bromochloromethane	74-97-5	mg/kg	††	††	††	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	Bromodichloromethane	75-27-4	mg/kg	††	††	††	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	Bromoform	75-25-2	mg/kg	††	††	††	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	Bromomethane	74-83-9	mg/kg	††	††	††	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	Carbon disulfide	75-15-0	mg/kg	††	2.7	††	0.0044	UJ	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	UJ		
	Carbon tetrachloride	56-23-5	mg/kg	0.76	††	22	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	Chlorobenzene	108-90-7	mg/kg	1.1	††	500	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	Chlorodifluoromethane	75-45-6	mg/kg	††	††	††	0.0044	UJ	0.005	UJ	0.0049	UJ	0.0042	UJ	0.005	UJ	0.004	UJ		
	Chloroethane	75-00-3	mg/kg	††	1.9	††	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	Chloroform	67-66-3	mg/kg	0.37	††	350	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	Chloromethane	74-87-3	mg/kg	††	††	††	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	cis-1,2-Dichloroethene	156-59-2	mg/kg	0.25	††	500	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	cis-1,3-Dichloropropene	10061-01-5	mg/kg	††	††	††	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	Cyclohexane	110-82-7	mg/kg	††	††	††	0.0044	UJ	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	UJ		
	Cyclohexanone	108-94-1	mg/kg	††	††	††	0.044	UJ	0.05	UJ	0.049	UJ	0.042	UJ	0.05	UJ	0.04	UJ		
	Dibromochloromethane	124-48-1	mg/kg	††	††	††	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	Dichlorodifluoromethane	75-71-8	mg/kg	††	††	††	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U		
	Diethyl ether	60-29-7	mg/kg	††	††	††	0.022	UJ	0.025	UJ	0.025	UJ	0.021	UJ	0.025	UJ	0.02	UJ		
	Ethyl acetate	141-78-6	mg/kg	††	††	††	0.0044	UJ	0.005	UJ	0.0049	UJ	0.0042	UJ	0.005	UJ	0.004	UJ		
	Ethylbenzene	100-41-4	mg/kg	1	††	390	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.0003	J		

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		T-37		T-38 ⁽¹⁾		T-39 ⁽¹⁾		T-40 ⁽¹⁾		T-41		T-42 ⁽¹⁾	
							Sample Date		7/30/2013 9:00		7/23/2013 13:00		7/23/2013 16:30		7/23/2013 9:00		7/22/2013 11:00		7/29/2013 11:00	
							Sample ID		TMW-T37 (6-8)(073013)		TMW-38 (4-6)(072313)		TMW-39 (4-6)(072313)		TMW-40 (6.2-8.5)(072313)		TMW-T41 (30-30.5)(072213)		TMW-T42 (8-10)(072913)	
							Depth Interval		6 - 8 ft		4 - 6 ft		4 - 6 ft		6.2 - 8.5 ft		30 - 30.5 ft		8 - 10 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Isobutanol	78-83-1	mg/kg	††	††	††	0.18	UJ	0.2	UJ	0.2	UJ	0.2	UJ	0.17	UJ	0.2	UJ	0.16	UJ
	Isopropylbenzene	98-82-8	mg/kg	††	2.3	††	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U	0.004	U
	m&p-Xylene	179601-23-1	mg/kg	††	††	††	0.0088	U	0.01	U	0.0098	U	0.0083	U	0.01	U	0.008	U	0.008	U
	Methyl acetate	79-20-9	mg/kg	††	††	††	0.0044	U	0.005	UJ	0.0049	UJ	0.0042	UJ	0.005	U	0.004	U	0.004	U
	Methyl tert-butyl ether	1634-04-4	mg/kg	0.93	††	500	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U	0.004	U
	Methylcyclohexane	108-87-2	mg/kg	††	††	††	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.00095	J	0.00095	J
	Methylene Chloride	75-09-2	mg/kg	0.05	††	500	0.0044	U	0.005	U	0.0049	U	0.002	J	0.005	U	0.004	U	0.004	U
	Naphthalene	91-20-3	mg/kg	12	††	500	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U	0.004	U
	n-Butanol	71-36-3	mg/kg	††	††	††	0.18	UJ	0.2	UJ	0.2	UJ	0.17	UJ	0.2	UJ	0.16	UJ	0.16	UJ
	n-Butylbenzene	104-51-8	mg/kg	12	††	500	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U	0.004	U
	n-Heptane	142-82-5	mg/kg	††	††	††	0.088	UJ	0.1	UJ	0.098	UJ	0.083	UJ	0.1	UJ	0.08	UJ	0.08	UJ
	n-Hexane	110-54-3	mg/kg	††	††	††	0.044	UJ	0.05	UJ	0.049	UJ	0.042	UJ	0.05	UJ	0.04	UJ	0.04	UJ
	o-Xylene	95-47-6	mg/kg	††	††	††	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U	0.004	U
	p-Isopropyltoluene	99-87-6	mg/kg	††	10	††	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U	0.004	U
	sec-Butylbenzene	135-98-8	mg/kg	11	††	500	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U	0.004	U
	Styrene	100-42-5	mg/kg	††	††	††	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U	0.004	U
	tert-Butanol	75-65-0	mg/kg	††	††	††	0.088	UJ	0.1	UJ	0.098	UJ	0.083	UJ	0.1	UJ	0.08	UJ	0.08	UJ
	tert-Butylbenzene	98-06-6	mg/kg	5.9	††	500	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U	0.004	U
	Tetrachloroethene	127-18-4	mg/kg	1.3	††	150	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U	0.004	U
	Tetrahydrofuran	109-99-9	mg/kg	††	††	††	0.022	U	0.025	UJ	0.025	UJ	0.021	UJ	0.025	U	0.02	UJ	0.02	UJ
	Toluene	108-88-3	mg/kg	0.7	††	500	0.0044	U	0.00055	J	0.0049	U	0.0042	U	0.005	U	0.0017	J	0.0017	J
	trans-1,2-Dichloroethene	156-60-5	mg/kg	0.19	††	500	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U	0.004	U
	trans-1,3-Dichloropropene	10061-02-6	mg/kg	††	††	††	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U	0.004	U
	Trichloroethene	79-01-6	mg/kg	0.47	††	200	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U	0.004	U
	Trichlorofluoromethane	75-69-4	mg/kg	††	††	††	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U	0.004	U
	Vinyl chloride	75-01-4	mg/kg	0.02	††	13	0.0044	U	0.005	U	0.0049	U	0.0042	U	0.005	U	0.004	U	0.004	U
	Xylenes (total)	1330-20-7	mg/kg	1.6	††	500	0.0088	U	0.01	U	0.0098	U	0.0083	U	0.01	U	0.008	U	0.008	U
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	mg/kg	††	††	††	0.2	U	0.19	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U
	1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	††	††	††	0.2	U	0.19	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U
	2,2'-Oxybis(1-Chloropropane)	108-60-1	mg/kg	††	††	††	0.2	U	0.19	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	UJ
	2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	††	††	††	0.2	U	0.19	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U
	2,4,5-Trichlorophenol	95-95-4	mg/kg	††	0.1	††	0.2	U	0.19	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U
	2,4,6-Trichlorophenol	88-06-2	mg/kg	††	††	††	0.2	U	0.19	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U
	2,4-Dichloropheno	120-83-2	mg/kg	††	0.4	††	0.2	U	0.19	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U
	2,4-Dimethylpheno	105-67-9	mg/kg	††	††	††	0.2	U	0.19	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U
	2,4-Dinitrophenol	51-28-5	mg/kg	††	0.2	††	0.4	U	0.36	UJ	0.37	UJ	1.8	UJ	0.36	UJ	0.39	UJ	0.39	UJ
	2,4-Dinitrotoluene	121-14-2	mg/kg	††	††	††	0.2	U	0.19	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U
	2,6-Dinitrotoluene	606-20-2	mg/kg	††	0.17	††	0.2	U	0.19	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U
	2-Chloronaphthalene	91-58-7	mg/kg	††	††	††	0.2	U	0.19	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U
	2-Chloropheno	95-57-8	mg/kg	††	††	††	0.2	U	0.19	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U
	2-Methylnaphthalene	91-57-6	mg/kg	††	36.4	††	0.2	U	0.0057	J	0.032	J	0.95	U	0.18	U	0.2	U	0.2	U
	2-Methylpheno	95-48-7	mg/kg	0.33	††	500	0.2	U	0.19	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U
	2-Nitroaniline	88-74-4	mg/kg	††	0.4	††	0.4	U	0.36	U	0.37	U	1.8	U	0.36	U	0.39	U	0.39	U
	2-Nitrophenol	88-75-5	mg/kg	††	0.3	††	0.2	U	0.19	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U
	3 & 4 Methylpheno	MEPH3MEPH4	mg/kg	††	††	††	0.4	U	0.36	U	0.37	U	1.8	U	0.36	U	0.39	U	0.39	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		T-37		T-38 ⁽¹⁾		T-39 ⁽¹⁾		T-40 ⁽¹⁾		T-41		T-42 ⁽¹⁾	
							Sample Date		7/30/2013 9:00		7/23/2013 13:00		7/23/2013 16:30		7/23/2013 9:00		7/22/2013 11:00		7/29/2013 11:00	
							Sample ID		TMW-T37 (6-8)(073013)		TMW-38 (4-6)(072313)		TMW-39 (4-6)(072313)		TMW-40 (6.2-8.5)(072313)		TMW-T41 (30-30.5)(072213)		TMW-T42 (8-10)(072913)	
							Depth Interval		6 - 8 ft		4 - 6 ft		4 - 6 ft		6.2 - 8.5 ft		30 - 30.5 ft		8 - 10 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	3,3'-Dichlorobenzidine	91-94-1	mg/kg	††	††	††	0.2	U	0.19	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U
	3-Nitroaniline	99-09-2	mg/kg	††	0.5	††	0.4	U	0.36	UJ	0.37	UJ	1.8	UJ	0.36	U	0.39	U		
	4,6-Dinitro-2-methylpheno	534-52-1	mg/kg	††	††	††	0.4	U	0.36	U	0.37	U	1.8	U	0.36	U	0.39	U		
	4-Bromophenyl phenyl ethe	101-55-3	mg/kg	††	††	††	0.2	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U		
	4-Chloro-3-methylpheno	59-50-7	mg/kg	††	††	††	0.2	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U		
	4-Chloroaniline	106-47-8	mg/kg	††	0.22	††	0.2	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U		
	4-Chlorophenyl phenyl ethe	7005-72-3	mg/kg	††	††	††	0.2	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U		
	4-Methylpheno	106-44-5	mg/kg	0.33	††	500	0.4	U	0.36	U	0.37	U	1.8	U	0.36	U	0.39	U		
	4-Nitroaniline	100-01-6	mg/kg	††	††	††	0.4	U	0.36	U	0.37	U	1.8	U	0.36	U	0.39	UJ		
	4-Nitrophenol	100-02-7	mg/kg	††	0.1	††	0.4	U	0.36	U	0.37	U	1.8	U	0.36	U	0.39	UJ		
	Acenaphthene	83-32-9	mg/kg	98	††	500	0.2	U	0.0093	J	0.046	J	0.95	U	0.18	U	0.2	U		
	Acenaphthylene	208-96-8	mg/kg	107	††	500	0.2	U	0.09	J	0.018	J	0.95	U	0.18	U	0.2	U		
	Acetophenone	98-86-2	mg/kg	††	††	††	0.2	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U		
	Aniline	62-53-3	mg/kg	††	0.33	††	0.4	U	0.36	U	0.37	U	1.8	U	0.36	U	0.39	U		
	Anthracene	120-12-7	mg/kg	1,000	††	500	0.2	U	0.21		0.18	J	0.95	U	0.18	U	0.2	U		
	Atrazine	1912-24-9	mg/kg	††	††	††	0.2	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U		
	Benzaldehyde	100-52-7	mg/kg	††	††	††		R	0.19	U	0.19	U	0.95	U	0.18	U		R		
	Benzo(a)anthracene	56-55-3	mg/kg	1	††	5.6	0.2	U	1.2		0.29		0.95	U	0.18	U	0.2	U		
	Benzo(a)pyrene	50-32-8	mg/kg	22	††	1	0.2	U	1.2		0.21		0.95	U	0.18	U	0.2	U		
	Benzo(b)fluoranthene	205-99-2	mg/kg	1.7	††	5.6	0.2	U	1.6		0.26		0.95	U	0.18	U	0.2	U		
	Benzo(g,h,i)perylene	191-24-2	mg/kg	1,000	††	500	0.2	U	0.59		0.079	J	0.95	U	0.18	U	0.2	U		
	Benzo(k)fluoranthene	207-08-9	mg/kg	1.7	††	56	0.2	U	0.66		0.12	J	0.95	U	0.18	U	0.2	U		
	Benzyl alcoh	100-51-6	mg/kg	††	††	††	0.4	U	0.36	UJ	0.37	UJ	1.8	UJ	0.36	U	0.39	UJ		
	Bis(2-chloroethoxy)methane	111-91-1	mg/kg	††	††	††	0.2	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U		
	Bis(2-chloroethyl)ether	111-44-4	mg/kg	††	††	††	0.2	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U		
	Bis(2-ethylhexyl) phthalate	117-81-7	mg/kg	††	435	††	0.2	U	0.56		0.29	--	0.95	U	0.28		0.16	J		
	Butyl benzyl phthalate	85-68-7	mg/kg	††	122	††	0.2	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U		
	Caprolactam	105-60-2	mg/kg	††	††	††	0.2	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U		
	Carbazole	86-74-8	mg/kg	††	††	††	0.2	U	0.19	U	0.052	J	0.95	U	0.18	U	0.2	U		
	Chrysene	218-01-9	mg/kg	1	††	56	0.2	U	1		0.24	--	0.95	U	0.18	U	0.2	U		
	Dibenz(a,h)anthracene	53-70-3	mg/kg	1,000	††	0.56	0.2	U	0.19		0.19	U	0.95	U	0.18	U	0.2	U		
	Dibenzofuran	132-64-9	mg/kg	210	6.2	350	0.2	U	0.012	J	0.064	J	0.95	U	0.18	U	0.2	U		
	Dicyclohexylamine	101-83-7	mg/kg	††	††	††	0.2	UJ	0.19	UJ	0.19	UJ	0.95	UJ	0.18	UJ	0.2	UJ		
	Diethyl phthalate	84-66-2	mg/kg	††	7.1	††	0.2	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U		
	Dimethyl phthalate	131-11-3	mg/kg	††	27	††	0.2	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U		
	Di-n-butyl phthalate	84-74-2	mg/kg	††	8.1	††	0.2	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U		
	Di-n-octyl phthalate	117-84-0	mg/kg	††	120	††	0.2	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U		
	Fluoranthene	206-44-0	mg/kg	1,000	††	500	0.2	U	2.1		0.63		0.95	U	0.18	U	0.2	U		
	Fluorene	86-73-7	mg/kg	386	††	500	0.2	U	0.026	J	0.13	J	0.95	U	0.18	U	0.2	U		
	Hexachlorobenzene	118-74-1	mg/kg	3.2	1.4	6	0.2	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U		
	Hexachlorobutadiene	87-68-3	mg/kg	††	††	††	0.2	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U		
	Hexachlorocyclopentadiene	77-47-4	mg/kg	††	††	††	0.2	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U		
	Hexachloroethane	67-72-1	mg/kg	††	††	††	0.2	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U		
	Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	8.2	††	5.6	0.2	U	0.58		0.087	J	0.95	U	0.18	U	0.2	U		
	Isophorone	78-59-1	mg/kg	††	4.4	††	0.2	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U		

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		T-37		T-38 ⁽¹⁾		T-39 ⁽¹⁾		T-40 ⁽¹⁾		T-41		T-42 ⁽¹⁾	
							Sample Date		7/30/2013 9:00		7/23/2013 13:00		7/23/2013 16:30		7/23/2013 9:00		7/22/2013 11:00		7/29/2013 11:00	
							Sample ID		TMW-T37 (6-8)(073013)		TMW-38 (4-6)(072313)		TMW-39 (4-6)(072313)		TMW-40 (6.2-8.5)(072313)		TMW-T41 (30-30.5)(072213)		TMW-T42 (8-10)(072913)	
							Depth Interval		6 - 8 ft		4 - 6 ft		4 - 6 ft		6.2 - 8.5 ft		30 - 30.5 ft		8 - 10 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs Commercial	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	n,n-Dimethylaniline	121-69-7	mg/kg	††	††	††	0.2	UJ	0.19	UJ	0.19	UJ	0.19	UJ	0.95	UJ	0.18	UJ	0.2	UJ
	Naphthalene	91-20-3	mg/kg	12	††	500	0.2	U	0.015	J	0.014	J	0.95	U	0.18	U	0.2	U	0.2	U
	Nitrobenzene	98-95-3	mg/kg	††	0.17	††	0.2	U	0.19	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U
	N-Nitroso-di-n-propylamine	621-64-7	mg/kg	††	††	††	0.2	U	0.19	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U
	N-Nitrosodiphenylamine	86-30-6	mg/kg	††	††	††	0.2	U	0.19	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U
	Pentachloropheno	87-86-5	mg/kg	0.8	††	6.7	0.4	U	0.36	U	0.37	U	0.37	U	1.8	U	0.36	U	0.39	U
	Phenanthrene	85-01-8	mg/kg	1,000	††	500	0.2	U	0.19	U	0.19	U	0.19	U	0.95	U	0.18	U	0.023	J
	Phenol	108-95-2	mg/kg	0.33	††	500	0.2	U	0.19	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U
	Pyrene	129-00-0	mg/kg	1,000	††	500	0.2	U	0.19	U	0.19	U	0.19	U	0.95	U	0.18	U	0.2	U
	Pyridine	110-86-1	mg/kg	††	††	††	0.4	U	0.36	UJ	0.37	UJ	0.37	UJ	1.8	UJ	0.36	UJ	0.39	UJ
	Triethylamine	121-44-8	mg/kg	††	††	††	0.4	UJ	0.36	UJ	0.37	UJ	0.37	UJ	1.8	UJ	0.36	UJ	0.39	UJ
TPH Method SW8015B/D	Ethanol	64-17-5	mg/kg	††	††	††	0.21	J	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
	Ethylene glyco	107-21-1	mg/kg	††	††	††	5.9	U	5.3	U	5.5	U	5.5	U	5.6	U	--	--	5.9	U
	Isobutanol	78-83-1	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Isopropyl alcohol	67-63-0	mg/kg	††	††	††	1.2	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	0.39	J
	Methanol	67-56-1	mg/kg	††	††	††	0.4	J	1.1	U	0.82	J	1.7	J	1.1	U	1.1	U	1.1	U
	Propylene glycol	57-55-6	mg/kg	††	††	††	5.9	U	5.3	U	5.5	U	5.5	U	5.6	U	--	--	5.9	U

See Notes on Page 77.

Table 1
Soil Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Notes:

- (1) Sample was analyzed for pesticides (SW8081A/B), PCBs (SW8082/A), and metals (SW6010B/C, SW7471A, SW9012A/B, E300.0, E350.1, E353.2). Results are provided on Table 1.1.
 - (2) Restricted Use SCOs for Commercial Use and Protection of Groundwater are from table 375.6.8: Soil Cleanup Objectives (<http://www.dec.ny.gov/regs/15507.html#15513>)
CP-51 Soil Cleanup Guidance are from Table 1 Supplemental Soil Cleanup Objectives. Available online at: http://www.dec.ny.gov/docs/remediation_hudson_pdf/cpsoil.pdf.
 - (3) Parent sample for FD-05(100113) could not be identified.
 - (4) Bold Result = Analyte detected in sample.
 - (5) Red Result = Detected result was at or over the Restricted Use SCOs for Protection of Groundwater.
 - (6) Yellow Shading = Detected result was at or over the CP-51 Protection of Groundwater SCOs.
 - (7) Gray Shading = Detected result was at or over the Restricted Use SCOs for Commercial Use.
- mg/kg = milligrams per kilogram.
PCB = polychlorinated biphenyl.
SVOC = semivolatile organic compound.
VOC = volatile organic compound.
†† = Standard/Guidance value not defined.
-- = Analyte not tested in sample.

Qualifier Definitions:

- U = Analyte not detected at listed reporting detection limit.
J = Estimated value. Result is < the RL but = MDL.
D = Diluted sample result.
E = Estimated value. Result exceeds calibration range.
B = Analyte was detected in the blank and sample.
* = LCS/LCSD or RPD of LCS/LCSD exceeds the control limits.
R = Rejected Result.

Table 1.1
Soil Analytical Results (TAL Inorganics, Pesticides, PCBs, Ammonia, Sulfate, Nitrate, Nitrite)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		BLD 8A-1		BLD 8B-1		BLD 62-1		DS 2-2		PAN 1-1		PAS 1-2		SR-1	
							Sample Date		8/12/2013 14:00		8/9/2013 9:30		7/30/2013 17:00		7/25/2013 16:30		7/16/2013 15:00		9/6/2013 15:00		8/6/2013 14:45	
							Sample ID		TMW-BLD8A-1 (14-15)(081213)		TMW-BLD8B1 (8.4-10)(080913)		MW-BLD621 (28-30)(073013)		TMW-DS22 (6.3-8)(072513)		TMW-PAN 1-1 (20-22)(071613)		TMW-PAS1-2 (10-12)(090613)		SB-SR1 (4-6)(080613)	
							Depth Interval		14 - 15 ft		8.4 - 10 ft		28 - 30 ft		6.3 - 8 ft		20 - 22 ft		10 - 12 ft		4 - 6 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs for Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs for Commercial Use	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Pesticides Method SW8081A/B	4,4'-DDD	72-54-8	mg/kg	14	††	92	--	--	--	--	0.0018	U	--	--	--	--	0.0019	U	--	--	--	--
	4,4'-DDE	72-55-9	mg/kg	17	††	62	--	--	--	--	0.0018	U	--	--	--	--	0.0019	U	--	--	--	--
	4,4'-DDT	50-29-3	mg/kg	136	††	47	--	--	--	--	0.0018	U	--	--	--	--	0.0019	U	--	--	--	--
	Aldrin	309-00-2	mg/kg	0.19	††	0.68	--	--	--	--	0.0018	U	--	--	--	--	0.0019	U	--	--	--	--
	alpha-BHC	319-84-6	mg/kg	0.02	††	3.4	--	--	--	--	0.0018	U	--	--	--	--	0.0019	U	--	--	--	--
	alpha-Chlordane	5103-71-9	mg/kg	2.9	††	24	--	--	--	--	0.0018	U	--	--	--	--	0.0019	U	--	--	--	--
	beta-BHC	319-85-7	mg/kg	0.09	††	3	--	--	--	--	0.0018	U	--	--	--	--	0.0019	U	--	--	--	--
	delta-BHC	319-86-8	mg/kg	0.25	††	500	--	--	--	--	0.0018	U	--	--	--	--	0.0019	U	--	--	--	--
	Dieldrin	60-57-1	mg/kg	0.1	††	1.4	--	--	--	--	0.0018	U	--	--	--	--	0.0019	U	--	--	--	--
	Endosulfan I	959-98-8	mg/kg	102	††	200	--	--	--	--	0.0018	U	--	--	--	--	0.0019	U	--	--	--	--
	Endosulfan II	33213-65-9	mg/kg	102	††	200	--	--	--	--	0.0018	U	--	--	--	--	0.0019	U	--	--	--	--
	Endosulfan sulfate	1031-07-8	mg/kg	1,000	††	200	--	--	--	--	0.0018	U	--	--	--	--	0.0019	U	--	--	--	--
	Endrin	72-20-8	mg/kg	0.06	††	89	--	--	--	--	0.0018	U	--	--	--	--	0.0019	U	--	--	--	--
	Endrin aldehyde	7421-93-4	mg/kg	††	††	††	--	--	--	--	0.0018	U	--	--	--	--	0.0019	U	--	--	--	--
	Endrin ketone	53494-70-5	mg/kg	††	††	††	--	--	--	--	0.0018	U	--	--	--	--	0.0019	U	--	--	--	--
	gamma-BHC	58-89-9	mg/kg	0.1	††	9.2	--	--	--	--	0.0018	U	--	--	--	--	0.0019	U	--	--	--	--
	gamma-Chlordane	5566-34-7	mg/kg	††	††	††	--	--	--	--	0.0018	U	--	--	--	--	0.0019	U	--	--	--	--
	Heptachlor	76-44-8	mg/kg	0.38	††	15	--	--	--	--	0.0018	U	--	--	--	--	0.0019	U	--	--	--	--
	Heptachlor epoxide	1024-57-3	mg/kg	††	††	††	--	--	--	--	0.0018	U	--	--	--	--	0.0019	U	--	--	--	--
	Methoxychlor	72-43-5	mg/kg	††	††	††	--	--	--	--	0.0018	U	--	--	--	--	0.0019	U	--	--	--	--
	Toxaphene	8001-35-2	mg/kg	††	††	††	--	--	--	--	0.018	U	--	--	--	--	0.019	U	--	--	--	--
PCBs Method SW8082/A	Aroclor 1016	12674-11-2	mg/kg	††	††	††	--	--	--	--	0.26	U	--	--	--	--	0.24	U	--	--	--	--
	Aroclor 1221	11104-28-2	mg/kg	††	††	††	--	--	--	--	0.26	U	--	--	--	--	0.24	U	--	--	--	--
	Aroclor 1232	11141-16-5	mg/kg	††	††	††	--	--	--	--	0.26	U	--	--	--	--	0.24	U	--	--	--	--
	Aroclor 1242	53469-21-9	mg/kg	††	††	††	--	--	--	--	0.26	U	--	--	--	--	0.24	U	--	--	--	--
	Aroclor 1248	12672-29-6	mg/kg	††	††	††	--	--	--	--	0.26	U	--	--	--	--	0.24	U	--	--	--	--
	Aroclor 1254	11097-69-1	mg/kg	††	††	††	--	--	--	--	0.26	U	--	--	--	--	0.24	U	--	--	--	--
	Aroclor 1260	11096-82-5	mg/kg	††	††	††	--	--	--	--	0.26	U	--	--	--	--	0.24	U	--	--	--	--
	Aroclor 1262	37324-23-5	mg/kg	††	††	††	--	--	--	--	0.26	U	--	--	--	--	0.24	U	--	--	--	--
	Aroclor 1268	11100-14-4	mg/kg	††	††	††	--	--	--	--	0.26	U	--	--	--	--	0.24	U	--	--	--	--
	Total polychlorinated biphenyls	NA	mg/kg	3.2	††	1	--	--	--	--	ND		--	--	--	--	ND		--	--	--	--
Metals Method SW6010B/C	Aluminum	7429-90-5	mg/kg	††	††	††	--	--	--	--	5,600	J	--	--	--	--	8,080	J	--	--	--	--
	Antimony	7440-36-0	mg/kg	††	††	††	--	--	--	--	17.2	UJ	--	--	--	--	18.5	U	--	--	--	--
	Arsenic	7440-38-2	mg/kg	16,000	††	16	--	--	--	--	3.5		--	--	--	--	4.4		--	--	--	--
	Barium	7440-39-3	mg/kg	820,000	††	400	--	--	--	--	54.3	J	--	--	--	--	49.8		--	--	--	--
	Beryllium	7440-41-7	mg/kg	47,000	††	590	--	--	--	--	0.26		--	--	--	--	0.4		--	--	--	--
	Cadmium	7440-43-9	mg/kg	7,500	††	9.3	--	--	--	--	0.068	J	--	--	--	--	0.049	J	--	--	--	--
	Calcium	7440-70-2	mg/kg	††	††	††	--	--	--	--	47,000	J	--	--	--	--	2,380		--	--	--	--
	Chromium	7440-47-3	mg/kg	††	††	††	--	--	--	--	8.4		--	--	--	--	10.9		--	--	--	--
	Cobalt	7440-48-4	mg/kg	††	††	††	--	--	--	--	5.4		--	--	--	--	7.8		--	--	--	--
	Copper	7440-50-8	mg/kg	1,720,000	††	270	--	--	--	--	8.8	--	--	--	--	--	24.3		--	--	--	--

See Notes on Page 15.

Table 1.1
Soil Analytical Results (TAL Inorganics, Pesticides, PCBs, Ammonia, Sulfate, Nitrate, Nitrite)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		BLD 8A-1		BLD 8B-1		BLD 62-1		DS 2-2		PAN 1-1		PAS 1-2		SR-1	
							Sample Date		8/12/2013 14:00		8/9/2013 9:30		7/30/2013 17:00		7/25/2013 16:30		7/16/2013 15:00		9/6/2013 15:00		8/6/2013 14:45	
							Sample ID		TMW-BLD8A-1 (14-15)(081213)		TMW-BLD8B1 (8.4-10)(080913)		MW-BLD621 (28-30)(073013)		TMW-DS22 (6.3-8)(072513)		TMW-PAN 1-1 (20-22)(071613)		TMW-PAS1-2 (10-12)(090613)		SB-SR1 (4-6)(080613)	
							Depth Interval		14 - 15 ft		8.4 - 10 ft		28 - 30 ft		6.3 - 8 ft		20 - 22 ft		10 - 12 ft		4 - 6 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs for Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs for Commercial Use	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Metals Method SW6010B/C (Cont.)	Iron	7439-89-6	mg/kg	††	††	††	--	--	--	--	10,200	J	--	--	--	--	17,000	J	--	--	--	--
	Lead	7439-92-1	mg/kg	450,000	††	1,000	--	--	--	--	3.4		--	--	--	--	4.9		--	--	--	--
	Magnesium	7439-95-4	mg/kg	††	††	††	--	--	--	--	22,100	J	--	--	--	--	4,410		--	--	--	--
	Manganese	7439-96-5	mg/kg	2,000,000	††	10,000	--	--	--	--	303	J	--	--	--	--	403		--	--	--	--
	Molybdenum	7439-98-7	mg/kg	††	††	††	--	--	--	--	0.28	J	--	--	--	--	1.2	U	--	--	--	--
	Nickel	7440-02-0	mg/kg	130,000	††	310	--	--	--	--	13.2		--	--	--	--	18.1		--	--	--	--
	Potassium	9/7/7440	mg/kg	††	††	††	--	--	--	--	1,320		--	--	--	--	988		--	--	--	--
	Selenium	7782-49-2	mg/kg	4,000	††	1,500	--	--	--	--	4.6	U	--	--	--	--	0.69	J	--	--	--	--
	Silver	7440-22-4	mg/kg	8,300	††	1,500	--	--	--	--	0.57	U	--	--	--	--	0.62	U	--	--	--	--
	Sodium	7440-23-5	mg/kg	††	††	††	--	--	--	--	95.2	J	--	--	--	--	777	--	--	--	--	--
	Thallium	7440-28-0	mg/kg	††	††	††	--	--	--	--	6.9	U	--	--	--	--	7.4	U	--	--	--	--
	Vanadium	7440-62-2	mg/kg	††	††	††	--	--	--	--	8	J	--	--	--	--	12.2		--	--	--	--
	Zinc	7440-66-6	mg/kg	2,480,000	††	10,000	--	--	--	--	20.7	J	--	--	--	--	29.7		--	--	--	--
SW7471A	Mercury	7439-97-6	mg/kg	††	††	2.8	--	--	--	--	0.021	U	--	--	--	--	0.018	J	--	--	--	--
SW9012A/B	Cyanide	57-12-5	mg/kg	40,000	††	27	--	--	--	--	1.1	U	--	--	--	--	1.2	UJ	--	--	--	--
E300.0	Sulfate	14808-79-8	mg/kg	††	††	††	--	--	--	--	66.7		25.2		61.7		--	--	--	--	--	--
E350.1	Ammonia, Nitrogen	7664-41-7	mg/kg	††	††	††	2.7	J	4.7		3.9	U	3.5	J	2.2	J	--	--	--	--	--	--
E353.2	Nitrate	14797-55-8	mg/kg	††	††	††	--	--	--	--	1	U	1	U	1	U	--	--	--	--	--	--
	Nitrite	14797-65-0	mg/kg	††	††	††	--	--	--	--	0.99	U	0.94	U	0.98	U	--	--	--	--	--	--
SW9045D	pH	PH	su	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	8.09		--	--

See Notes on Page 15.

Table 1.1
Soil Analytical Results (TAL Inorganics, Pesticides, PCBs, Ammonia, Sulfate, Nitrate, Nitrite)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		SR-3		SR-4		T-4		T-5		T-8		T-10	
							Sample Date		8/6/2013 12:30		8/6/2013 12:30		8/7/2013 11:00		8/19/2013 9:30		8/15/2013 15:15		8/21/2013 15:00	
							Sample ID		TMW-SR3 (6-9)(080613)		FD-03 (080613)		TMW-SR4 (8-10)(080713)		TMW-T4 (6-10)(081913)		TMW-T5 (12-14)(081513)		SB-T8 (14-18)(082113)	
							Depth Interval		6 - 9 ft		6 - 9 ft		8 - 10 ft		6 - 10 ft		12 - 14 ft		14 - 18 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs for Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs for Commercial Use	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Pesticides Method SW8081A/B	4,4'-DDD	72-54-8	mg/kg	14	††	92	0.009	U	0.019	UJ	--	--	--	--	0.0018	U	0.0018	U	--	--
	4,4'-DDE	72-55-9	mg/kg	17	††	62	0.009	U	0.019	UJ	--	--	--	--	0.0018	UB	0.0018	U	--	--
	4,4'-DDT	50-29-3	mg/kg	136	††	47	0.009	U	0.019	UJ	--	--	--	--	0.0018	UB	0.0018	UB	--	--
	Aldrin	309-00-2	mg/kg	0.19	††	0.68	0.009	U	0.019	UJ	--	--	--	--	0.0018	U	0.0018	U	--	--
	alpha-BHC	319-84-6	mg/kg	0.02	††	3.4	0.009	U	0.019	UJ	--	--	--	--	0.0018	U	0.0018	U	--	--
	alpha-Chlordane	5103-71-9	mg/kg	2.9	††	24	0.009	U	0.019	UJ	--	--	--	--	0.0018	U	0.0018	U	--	--
	beta-BHC	319-85-7	mg/kg	0.09	††	3	0.009	U	0.019	UJ	--	--	--	--	0.0027	--	0.0018	U	--	--
	delta-BHC	319-86-8	mg/kg	0.25	††	500	0.009	U	0.019	UBJ	--	--	--	--	0.0018	UB	0.0018	UB	--	--
	Dieldrin	60-57-1	mg/kg	0.1	††	1.4	0.009	U	0.019	UJ	--	--	--	--	0.0018	U	0.0018	U	--	--
	Endosulfan I	959-98-8	mg/kg	102	††	200	0.009	U	0.019	UJ	--	--	--	--	0.0018	U	0.0018	U	--	--
	Endosulfan II	33213-65-9	mg/kg	102	††	200	0.009	U	0.019	UJ	--	--	--	--	0.0018	U	0.0018	U	--	--
	Endosulfan sulfate	1031-07-8	mg/kg	1,000	††	200	0.009	U	0.019	UJ	--	--	--	--	0.0018	U	0.0018	U	--	--
	Endrin	72-20-8	mg/kg	0.06	††	89	0.009	U	0.019	UJ	--	--	--	--	0.0018	U	0.0018	U	--	--
	Endrin aldehyde	7421-93-4	mg/kg	††	††	††	0.009	U	0.019	UJ	--	--	--	--	0.0018	U	0.0018	U	--	--
	Endrin ketone	53494-70-5	mg/kg	††	††	††	0.009	U	0.019	UJ	--	--	--	--	0.0018	U	0.0018	U	--	--
	gamma-BHC	58-89-9	mg/kg	0.1	††	9.2	0.009	U	0.019	UJ	--	--	--	--	0.0027	J	0.0018	U	--	--
	gamma-Chlordane	5566-34-7	mg/kg	††	††	††	0.009	U	0.019	UJ	--	--	--	--	0.0018	U	0.0018	U	--	--
	Heptachlor	76-44-8	mg/kg	0.38	††	15	0.009	U	0.019	UJ	--	--	--	--	0.0018	U	0.0018	U	--	--
	Heptachlor epoxide	1024-57-3	mg/kg	††	††	††	0.009	U	0.019	UJ	--	--	--	--	0.0018	U	0.0018	U	--	--
	Methoxychlor	72-43-5	mg/kg	††	††	††	0.009	U	0.019	UJ	--	--	--	--	0.0018	U	0.0018	U	--	--
	Toxaphene	8001-35-2	mg/kg	††	††	††	0.09	U	0.19	UJ	--	--	--	--	0.018	U	0.018	U	--	--
PCBs Method SW8082/A	Aroclor 1016	12674-11-2	mg/kg	††	††	††	0.2	U	0.24	U	--	--	--	--	0.24	U	0.22	U	--	--
	Aroclor 1221	11104-28-2	mg/kg	††	††	††	0.2	U	0.24	U	--	--	--	--	0.24	U	0.22	U	--	--
	Aroclor 1232	11141-16-5	mg/kg	††	††	††	0.2	U	0.24	U	--	--	--	--	0.24	U	0.22	U	--	--
	Aroclor 1242	53469-21-9	mg/kg	††	††	††	0.2	U	0.24	U	--	--	--	--	0.24	U	0.22	U	--	--
	Aroclor 1248	12672-29-6	mg/kg	††	††	††	0.2	U	0.24	U	--	--	--	--	0.24	U	0.22	U	--	--
	Aroclor 1254	11097-69-1	mg/kg	††	††	††	0.2	U	0.24	U	--	--	--	--	0.24	U	0.22	U	--	--
	Aroclor 1260	11096-82-5	mg/kg	††	††	††	0.2	U	0.24	U	--	--	--	--	0.24	U	0.22	U	--	--
	Aroclor 1262	37324-23-5	mg/kg	††	††	††	0.2	U	0.24	U	--	--	--	--	0.24	U	0.22	U	--	--
	Aroclor 1268	11100-14-4	mg/kg	††	††	††	0.2	U	0.24	U	--	--	--	--	0.24	U	0.22	U	--	--
	Total polychlorinated biphenyls	NA	mg/kg	3.2	††	1	ND		ND		--	--	--	--	ND		ND		--	--
Metals Method SW6010B/C	Aluminum	7429-90-5	mg/kg	††	††	††	3,220	--	3,860	--	--	--	--	--	6,800		3,290		--	--
	Antimony	7440-36-0	mg/kg	††	††	††	16.6	U	17.5	U	--	--	--	--	17.2	UJ	15.1	U	--	--
	Arsenic	7440-38-2	mg/kg	16,000	††	16	3.2	--	3.4	--	--	--	--	--	4.2		2.7		--	--
	Barium	7440-39-3	mg/kg	820,000	††	400	15.3	--	14.9	--	--	--	--	--	60.8		22.8		--	--
	Beryllium	7440-41-7	mg/kg	47,000	††	590	0.16	J	0.17	J	--	--	--	--	0.28		0.1	J	--	--
	Cadmium	7440-43-9	mg/kg	7,500	††	9.3	0.043	J	0.05	J	--	--	--	--	0.067	J	0.2	U	--	--
	Calcium	7440-70-2	mg/kg	††	††	††	80,000	--	78,600	--	--	--	--	--	62,800		76,900		--	--
	Chromium	7440-47-3	mg/kg	††	††	††	5	--	6.4	--	--	--	--	--	12.1		4.9		--	--
	Cobalt	7440-48-4	mg/kg	††	††	††	5	--	5	--	--	--	--	--	7.9		6.3		--	--
	Copper	7440-50-8	mg/kg	1,720,000	††	270	26.7	--	27.2	--	--	--	--	--	22.2		33.9		--	--

See Notes on Page 15.

Table 1.1
Soil Analytical Results (TAL Inorganics, Pesticides, PCBs, Ammonia, Sulfate, Nitrate, Nitrite)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		SR-3		SR-4		T-4		T-5		T-8		T-10	
							Sample Date		8/6/2013 12:30		8/6/2013 12:30		8/7/2013 11:00		8/19/2013 9:30		8/15/2013 15:15		8/21/2013 15:00	
							Sample ID		TMW-SR3 (6-9)(080613)		FD-03 (080613)		TMW-SR4 (8-10)(080713)		TMW-T4 (6-10)(081913)		TMW-T5 (12-14)(081513)		SB-T8 (14-18)(082113)	
							Depth Interval		6 - 9 ft		6 - 9 ft		8 - 10 ft		6 - 10 ft		12 - 14 ft		14 - 18 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs for Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs for Commercial Use	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Metals Method SW6010B/C (Cont.)	Iron	7439-89-6	mg/kg	††	††	††	9,520	--	10,100	--	--	--	--	--	12,400	--	8,140	--	--	--
	Lead	7439-92-1	mg/kg	450,000	††	1,000	3.8	--	3.6	--	--	--	--	--	4.9	--	4	--	--	--
	Magnesium	7439-95-4	mg/kg	††	††	††	19,300	--	19,200	--	--	--	--	--	28,500	--	23,600	--	--	--
	Manganese	7439-96-5	mg/kg	2,000,000	††	10,000	453	--	416	--	--	--	--	--	351	--	344	--	--	--
	Molybdenum	7439-98-7	mg/kg	††	††	††	0.41	J	0.55	J	--	--	--	--	0.41	J	0.19	J	--	--
	Nickel	7440-02-0	mg/kg	130,000	††	310	8.8	--	10.1	--	--	--	--	--	15.2	--	8.4	--	--	--
	Potassium	9/7/7440	mg/kg	††	††	††	686	--	763	--	--	--	--	--	1,590	--	741	--	--	--
	Selenium	7782-49-2	mg/kg	4,000	††	1,500	0.9	J	1.2	J	--	--	--	--	0.55	J	4	U	--	--
	Silver	7440-22-4	mg/kg	8,300	††	1,500	0.55	U	0.58	U	--	--	--	--	0.57	U	0.5	U	--	--
	Sodium	7440-23-5	mg/kg	††	††	††	114	J	109	J	--	--	--	--	252	--	79.9	J	--	--
	Thallium	7440-28-0	mg/kg	††	††	††	6.7	U	7	U	--	--	--	--	6.9	U	6	U	--	--
	Vanadium	7440-62-2	mg/kg	††	††	††	7	--	8.9	--	--	--	--	--	10.6	--	5.4	--	--	--
	Zinc	7440-66-6	mg/kg	2,480,000	††	10,000	17.2	--	17.4	--	--	--	--	--	24.3	--	15.2	--	--	--
SW7471A	Mercury	7439-97-6	mg/kg	††	††	2.8	0.021	U	0.023	U	--	--	--	--	0.021	UJ	0.0098	J	--	--
SW9012A/B	Cyanide	57-12-5	mg/kg	40,000	††	27	1.1	U	1.1	U	--	--	--	--	1	U	1.1	U	--	--
E300.0	Sulfate	14808-79-8	mg/kg	††	††	††	--	--	--	--	32.8	--	118	--	--	--	19.2	--	--	--
E350.1	Ammonia, Nitrogen	7664-41-7	mg/kg	††	††	††	--	--	--	--	9	J	9.3	--	--	--	1.9	J	8.1	--
E353.2	Nitrate	14797-55-8	mg/kg	††	††	††	--	--	--	--	1	U	1	U	--	--	1	U	--	--
	Nitrite	14797-65-0	mg/kg	††	††	††	--	--	--	--	0.97	U	0.95	U	--	--	0.98	U	--	--
SW9045D	pH	PH	su	††	††	††	7.91	--	7.92	--	--	--	--	--	--	--	--	--	--	--

See Notes on Page 15.

Table 1.1
Soil Analytical Results (TAL Inorganics, Pesticides, PCBs, Ammonia, Sulfate, Nitrate, Nitrite)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		T-16		T-17		T-18		T-23		T-24		T-25			
							Sample Date		8/27/2013 11:30		8/26/2013 11:45		8/28/2013 10:00		8/28/2013 0:00		8/27/2013 15:00		8/2/2013 10:50		8/2/2013 15:05	
									Sample ID		TMW-T16 (8-10)(082713)		TMW-T17 (4-6)(082613)		TMW-T18 (6-9)(082813)		FD05-(082813)		TMW-T23 (2-10)(082713)		TMW-T24 (6-8)(080213)	
							Depth Interval		8 - 10 ft		4 - 6 ft		6 - 9 ft		6 - 9 ft		2 - 10 ft		6 - 8 ft		6 - 8 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs for Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs for Commercial Use	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
Pesticides Method SW8081A/B	4,4'-DDD	72-54-8	mg/kg	14	††	92	--	--	0.037	UJ	--	--	--	--	0.0091	U	--	--	--	--		
	4,4'-DDE	72-55-9	mg/kg	17	††	62	--	--	0.037	UJ	--	--	--	--	0.0019	J	--	--	--	--		
	4,4'-DDT	50-29-3	mg/kg	136	††	47	--	--	0.0096	J	--	--	--	--	0.0029	J	--	--	--	--		
	Aldrin	309-00-2	mg/kg	0.19	††	0.68	--	--	0.037	UJ	--	--	--	--	0.0091	U	--	--	--	--		
	alpha-BHC	319-84-6	mg/kg	0.02	††	3.4	--	--	0.037	UJ	--	--	--	--	0.0091	U	--	--	--	--		
	alpha-Chlordane	5103-71-9	mg/kg	2.9	††	24	--	--	0.037	UJ	--	--	--	--	0.0091	U	--	--	--	--		
	beta-BHC	319-85-7	mg/kg	0.09	††	3	--	--	0.037	UJ	--	--	--	--	0.0091	U	--	--	--	--		
	delta-BHC	319-86-8	mg/kg	0.25	††	500	--	--	0.037	UJ	--	--	--	--	0.0016	J	--	--	--	--		
	Dieldrin	60-57-1	mg/kg	0.1	††	1.4	--	--	0.037	UJ	--	--	--	--	0.0091	U	--	--	--	--		
	Endosulfan I	959-98-8	mg/kg	102	††	200	--	--	0.037	UJ	--	--	--	--	0.0091	U	--	--	--	--		
	Endosulfan II	33213-65-9	mg/kg	102	††	200	--	--	0.037	UJ	--	--	--	--	0.0091	U	--	--	--	--		
	Endosulfan sulfate	1031-07-8	mg/kg	1,000	††	200	--	--	0.037	UJ	--	--	--	--	0.0091	U	--	--	--	--		
	Endrin	72-20-8	mg/kg	0.06	††	89	--	--	0.037	UJ	--	--	--	--	0.0091	U	--	--	--	--		
	Endrin aldehyde	7421-93-4	mg/kg	††	††	††	--	--	0.037	UJ	--	--	--	--	0.0091	U	--	--	--	--		
	Endrin ketone	53494-70-5	mg/kg	††	††	††	--	--	0.037	UJ	--	--	--	--	0.0091	U	--	--	--	--		
	gamma-BHC	58-89-9	mg/kg	0.1	††	9.2	--	--	0.0054	J	--	--	--	--	0.0091	U	--	--	--	--		
	gamma-Chlordane	5566-34-7	mg/kg	††	††	††	--	--	0.037	UJ	--	--	--	--	0.0091	U	--	--	--	--		
	Heptachlor	76-44-8	mg/kg	0.38	††	15	--	--	0.037	UJ	--	--	--	--	0.0091	U	--	--	--	--		
	Heptachlor epoxide	1024-57-3	mg/kg	††	††	††	--	--	0.037	UJ	--	--	--	--	0.0091	U	--	--	--	--		
	Methoxychlor	72-43-5	mg/kg	††	††	††	--	--	0.037	UJ	--	--	--	--	0.0091	U	--	--	--	--		
	Toxaphene	8001-35-2	mg/kg	††	††	††	--	--	0.37	UJ	--	--	--	--	0.091	U	--	--	--	--		
PCBs Method SW8082/A	Aroclor 1016	12674-11-2	mg/kg	††	††	††	--	--	0.27	U	--	--	--	--	0.23	U	--	--	--	--		
	Aroclor 1221	11104-28-2	mg/kg	††	††	††	--	--	0.27	U	--	--	--	--	0.23	U	--	--	--	--		
	Aroclor 1232	11141-16-5	mg/kg	††	††	††	--	--	0.27	U	--	--	--	--	0.23	U	--	--	--	--		
	Aroclor 1242	53469-21-9	mg/kg	††	††	††	--	--	0.27	U	--	--	--	--	0.23	U	--	--	--	--		
	Aroclor 1248	12672-29-6	mg/kg	††	††	††	--	--	0.27	U	--	--	--	--	0.23	U	--	--	--	--		
	Aroclor 1254	11097-69-1	mg/kg	††	††	††	--	--	0.27	U	--	--	--	--	0.23	U	--	--	--	--		
	Aroclor 1260	11096-82-5	mg/kg	††	††	††	--	--	0.27	U	--	--	--	--	0.23	U	--	--	--	--		
	Aroclor 1262	37324-23-5	mg/kg	††	††	††	--	--	0.27	U	--	--	--	--	0.23	U	--	--	--	--		
	Aroclor 1268	11100-14-4	mg/kg	††	††	††	--	--	0.27	U	--	--	--	--	0.23	U	--	--	--	--		
	Total polychlorinated biphenyls	NA	mg/kg	3.2	††	1	--	--	ND		--	--	--	--	ND		--	--	--	--		
Metals Method SW6010B/C	Aluminum	7429-90-5	mg/kg	††	††	††	--	--	7,700		--	--	--	--	4,710		--	--	--	--		
	Antimony	7440-36-0	mg/kg	††	††	††	--	--	15	U	--	--	--	--	14.9	U	--	--	--	--		
	Arsenic	7440-38-2	mg/kg	16,000	††	16	--	--	7.5		--	--	--	--	3.9		--	--	--	--		
	Barium	7440-39-3	mg/kg	820,000	††	400	--	--	57.7		--	--	--	--	23.2		--	--	--	--		
	Beryllium	7440-41-7	mg/kg	47,000	††	590	--	--	0.41		--	--	--	--	0.22		--	--	--	--		
	Cadmium	7440-43-9	mg/kg	7,500	††	9.3	--	--	0.22		--	--	--	--	0.067	J	--	--	--	--		
	Calcium	7440-70-2	mg/kg	††	††	††	--	--	40,100		--	--	--	--	63,300		--	--	--	--		
	Chromium	7440-47-3	mg/kg	††	††	††	--	--	12.3		--	--	--	--	6.4		--	--	--	--		
	Cobalt	7440-48-4	mg/kg	††	††	††	--	--	10.1		--	--	--	--	5.4		--	--	--	--		
	Copper	7440-50-8	mg/kg	1,720,000	††	270	--	--	33.1		--	--	--	--	18		--	--	--	--		

See Notes on Page 15.

Table 1.1
Soil Analytical Results (TAL Inorganics, Pesticides, PCBs, Ammonia, Sulfate, Nitrate, Nitrite)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		T-16		T-17		T-18				T-23		T-24		T-25	
							Sample Date		8/27/2013 11:30		8/26/2013 11:45		8/28/2013 10:00		8/28/2013 0:00		8/27/2013 15:00		8/2/2013 10:50		8/2/2013 15:05	
							Sample ID		TMW-T16 (8-10)(082713)		TMW-T17 (4-6)(082613)		TMW-T18 (6-9)(082813)		FD05-(082813)		TMW-T23 (2-10)(082713)		TMW-T24 (6-8)(080213)		TMW-T-25 (6-8)(080213)	
							Depth Interval		8 - 10 ft		4 - 6 ft		6 - 9 ft		6 - 9 ft		2 - 10 ft		6 - 8 ft		6 - 8 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs for Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs for Commercial Use	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Metals Method SW6010B/C (Cont.)	Iron	7439-89-6	mg/kg	††	††	††	--	--	15,200		--	--	--	--	--	--	10,600		--	--	--	--
	Lead	7439-92-1	mg/kg	450,000	††	1,000	--	--	24.3		--	--	--	--	--	--	4.9		--	--	--	--
	Magnesium	7439-95-4	mg/kg	††	††	††	--	--	13,700		--	--	--	--	--	--	24,800		--	--	--	--
	Manganese	7439-96-5	mg/kg	2,000,000	††	10,000	--	--	443		--	--	--	--	--	--	494		--	--	--	--
	Molybdenum	7439-98-7	mg/kg	††	††	††	--	--	0.92	J	--	--	--	--	--	--	0.96	J	--	--	--	--
	Nickel	7440-02-0	mg/kg	130,000	††	310	--	--	16.9		--	--	--	--	--	--	10.5		--	--	--	--
	Potassium	9/7/7440	mg/kg	††	††	††	--	--	1,220		--	--	--	--	--	--	925		--	--	--	--
	Selenium	7782-49-2	mg/kg	4,000	††	1,500	--	--	0.4	J	--	--	--	--	--	--	4	U	--	--	--	--
	Silver	7440-22-4	mg/kg	8,300	††	1,500	--	--	0.5	U	--	--	--	--	--	--	0.5	U	--	--	--	--
	Sodium	7440-23-5	mg/kg	††	††	††	--	--	220		--	--	--	--	--	--	110	J	--	--	--	--
	Thallium	7440-28-0	mg/kg	††	††	††	--	--	6	U	--	--	--	--	--	--	6	U	--	--	--	--
	Vanadium	7440-62-2	mg/kg	††	††	††	--	--	15.5		--	--	--	--	--	--	7.7		--	--	--	--
	Zinc	7440-66-6	mg/kg	2,480,000	††	10,000	--	--	138		--	--	--	--	--	--	18.6		--	--	--	--
SW7471A	Mercury	7439-97-6	mg/kg	††	††	2.8	--	--	0.093		--	--	--	--	--	--	0.022	U	--	--	--	--
SW9012A/B	Cyanide	57-12-5	mg/kg	40,000	††	27	--	--	1.1	U	--	--	--	--	--	--	0.65	J	--	--	--	--
E300.0	Sulfate	14808-79-8	mg/kg	††	††	††	326		--	--	--	--	191		246		--	--	--	--	--	--
E350.1	Ammonia, Nitrogen	7664-41-7	mg/kg	††	††	††	11.6		--	--	--	--	9.4		7.9		--	--	50.3		10.1	--
E353.2	Nitrate	14797-55-8	mg/kg	††	††	††	1	U	--	--	--	--	1	U	1	U	--	--	--	--	--	--
	Nitrite	14797-65-0	mg/kg	††	††	††	0.94	U	--	--	--	--	0.96	U	1	U	--	--	--	--	--	--
SW9045D	pH	PH	su	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

See Notes on Page 15.

Table 1.1
Soil Analytical Results (TAL Inorganics, Pesticides, PCBs, Ammonia, Sulfate, Nitrate, Nitrite)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		T-30		T-31		T-36		T-38		T-39		T-40		T-42	
							Sample Date		8/5/2013 14:00		8/5/2013 11:00		7/31/2013 10:30		7/23/2013 13:00		7/23/2013 16:30		7/23/2013 9:00		7/29/2013 11:00	
							Sample ID		TMW-T30 (4-6)(080513)		TMW-T31 (6-6.7)(080513)		TMW-T36 (8-11)(073113)		TMW-38 (4-6)(072313)		TMW-39 (4-6)(072313)		TMW-40 (6.2-8.5)(072313)		TMW-T42 (8-10)(072913)	
							Depth Interval		4 - 6 ft		6 - 6.7 ft		8 - 11 ft		4 - 6 ft		4 - 6 ft		6.2 - 8.5 ft		8 - 10 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs for Protection of Groundwater	CP-51 SCOs for Protection of Groundwater	Restricted Use SCOs for Commercial Use	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Pesticides Method SW8081A/B	4,4'-DDD	72-54-8	mg/kg	14	††	92	--	--	--	--	0.0017	U	--	--	--	--	0.00047	J	0.02	UJ		
	4,4'-DDE	72-55-9	mg/kg	17	††	62	--	--	--	--	0.00031	J	--	--	--	--	0.0019	U	0.02	UJ		
	4,4'-DDT	50-29-3	mg/kg	136	††	47	--	--	--	--	0.0017	U	--	--	--	--	0.0016	J	0.02	UJ		
	Aldrin	309-00-2	mg/kg	0.19	††	0.68	--	--	--	--	0.0017	U	--	--	--	--	0.0019	U	0.02	UJ		
	alpha-BHC	319-84-6	mg/kg	0.02	††	3.4	--	--	--	--	0.0017	U	--	--	--	--	0.0019	U	0.02	UJ		
	alpha-Chlordane	5103-71-9	mg/kg	2.9	††	24	--	--	--	--	0.0017	U	--	--	--	--	0.0019	U	0.02	UJ		
	beta-BHC	319-85-7	mg/kg	0.09	††	3	--	--	--	--	0.0017	U	--	--	--	--	0.0019	U	0.02	UJ		
	delta-BHC	319-86-8	mg/kg	0.25	††	500	--	--	--	--	0.0017	UB	--	--	--	--	0.0019	U	0.02	UJ		
	Dieldrin	60-57-1	mg/kg	0.1	††	1.4	--	--	--	--	0.0017	U	--	--	--	--	0.0019	U	0.02	UJ		
	Endosulfan I	959-98-8	mg/kg	102	††	200	--	--	--	--	0.0017	U	--	--	--	--	0.0019	U	0.02	UJ		
	Endosulfan II	33213-65-9	mg/kg	102	††	200	--	--	--	--	0.0017	U	--	--	--	--	0.0019	U	0.02	UJ		
	Endosulfan sulfate	1031-07-8	mg/kg	1,000	††	200	--	--	--	--	0.0017	U	--	--	--	--	0.0019	U	0.02	UJ		
	Endrin	72-20-8	mg/kg	0.06	††	89	--	--	--	--	0.0017	U	--	--	--	--	0.0019	U	0.02	UJ		
	Endrin aldehyde	7421-93-4	mg/kg	††	††	††	--	--	--	--	0.0017	U	--	--	--	--	0.0019	U	0.02	UJ		
	Endrin ketone	53494-70-5	mg/kg	††	††	††	--	--	--	--	0.0017	U	--	--	--	--	0.0012	J	0.02	UJ		
	gamma-BHC	58-89-9	mg/kg	0.1	††	9.2	--	--	--	--	0.0017	U	--	--	--	--	0.0019	U	0.02	UJ		
	gamma-Chlordane	5566-34-7	mg/kg	††	††	††	--	--	--	--	0.0017	U	--	--	--	--	0.0019	U	0.02	UJ		
	Heptachlor	76-44-8	mg/kg	0.38	††	15	--	--	--	--	0.0017	U	--	--	--	--	0.0019	U	0.02	UJ		
	Heptachlor epoxide	1024-57-3	mg/kg	††	††	††	--	--	--	--	0.0017	U	--	--	--	--	0.0019	U	0.02	UJ		
	Methoxychlor	72-43-5	mg/kg	††	††	††	--	--	--	--	0.0017	U	--	--	--	--	0.0019	U	0.02	UJ		
	Toxaphene	8001-35-2	mg/kg	††	††	††	--	--	--	--	0.017	U	--	--	--	--	0.019	U	0.2	UJ		
PCBs Method SW8082/A	Aroclor 1016	12674-11-2	mg/kg	††	††	††	--	--	--	--	0.24	U	--	--	--	--	0.2	U	0.27	U		
	Aroclor 1221	11104-28-2	mg/kg	††	††	††	--	--	--	--	0.24	U	--	--	--	--	0.2	U	0.27	U		
	Aroclor 1232	11141-16-5	mg/kg	††	††	††	--	--	--	--	0.24	U	--	--	--	--	0.2	U	0.27	U		
	Aroclor 1242	53469-21-9	mg/kg	††	††	††	--	--	--	--	0.24	U	--	--	--	--	0.2	U	0.27	U		
	Aroclor 1248	12672-29-6	mg/kg	††	††	††	--	--	--	--	0.24	U	--	--	--	--	0.2	U	0.27	U		
	Aroclor 1254	11097-69-1	mg/kg	††	††	††	--	--	--	--	0.24	U	--	--	--	--	0.2	U	0.27	U		
	Aroclor 1260	11096-82-5	mg/kg	††	††	††	--	--	--	--	0.24	U	--	--	--	--	0.2	U	0.27	U		
	Aroclor 1262	37324-23-5	mg/kg	††	††	††	--	--	--	--	0.24	U	--	--	--	--	0.2	U	0.27	U		
	Aroclor 1268	11100-14-4	mg/kg	††	††	††	--	--	--	--	0.24	U	--	--	--	--	0.2	U	0.27	U		
	Total polychlorinated biphenyls	NA	mg/kg	3.2	††	1	--	--	--	--	ND		--	--	--	--	ND		ND			
Metals Method SW6010B/C	Aluminum	7429-90-5	mg/kg	††	††	††	--	--	--	--	4,400		--	--	--	--	5,000		10,800			
	Antimony	7440-36-0	mg/kg	††	††	††	--	--	--	--	15.4	U	--	--	--	--	15.8	U	17.5	U		
	Arsenic	7440-38-2	mg/kg	16,000	††	16	--	--	--	--	3.9		--	--	--	--	3.6		7.7			
	Barium	7440-39-3	mg/kg	820,000	††	400	--	--	--	--	43		--	--	--	--	32.7		133			
	Beryllium	7440-41-7	mg/kg	47,000	††	590	--	--	--	--	0.24		--	--	--	--	0.22		0.58			
	Cadmium	7440-43-9	mg/kg	7,500	††	9.3	--	--	--	--	0.047	J	--	--	--	--	0.055	J	0.21	J		
	Calcium	7440-70-2	mg/kg	††	††	††	--	--	--	--	44,400		--	--	--	--	79,300		25,500			
	Chromium	7440-47-3	mg/kg	††	††	††	--	--	--	--	6.8		--	--	--	--	7.3		19.7			
	Cobalt	7440-48-4	mg/kg	††	††	††	--	--	--	--	4.9		--	--	--	--	5.2		14.1			
	Copper	7440-50-8	mg/kg	1,720,000	††	270	--	--	--	--	13.5		--	--	--	--	13.6		29.7			

See Notes on Page 15.

Table 1.1
Soil Analytical Results (TAL Inorganics, Pesticides, PCBs, Ammonia, Sulfate, Nitrate, Nitrite)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		T-30		T-31		T-36		T-38		T-39		T-40		T-42	
							Sample Date		8/5/2013 14:00		8/5/2013 11:00		7/31/2013 10:30		7/23/2013 13:00		7/23/2013 16:30		7/23/2013 9:00		7/29/2013 11:00	
							Sample ID		TMW-T30 (4-6)(080513)		TMW-T31 (6-6.7)(080513)		TMW-T36 (8-11)(073113)		TMW-38 (4-6)(072313)		TMW-39 (4-6)(072313)		TMW-40 (6.2-8.5)(072313)		TMW-T42 (8-10)(072913)	
							Depth Interval		4 - 6 ft		6 - 6.7 ft		8 - 11 ft		4 - 6 ft		4 - 6 ft		6.2 - 8.5 ft		8 - 10 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs for Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs for Commercial Use	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Metals Method SW6010B/C (Cont.)	Iron	7439-89-6	mg/kg	††	††	††	--	--	--	--	9,540		--	--	--	--	10,000		25,600			
	Lead	7439-92-1	mg/kg	450,000	††	1,000	--	--	--	--	3.5		--	--	--	--	4.6		21.3			
	Magnesium	7439-95-4	mg/kg	††	††	††	--	--	--	--	14,200		--	--	--	--	16,700		13,300			
	Manganese	7439-96-5	mg/kg	2,000,000	††	10,000	--	--	--	--	306		--	--	--	--	424		271			
	Molybdenum	7439-98-7	mg/kg	††	††	††	--	--	--	--	0.37	J	--	--	--	--	0.36	J	8.6			
	Nickel	7440-02-0	mg/kg	130,000	††	310	--	--	--	--	10.8		--	--	--	--	11.7		50.9			
	Potassium	9/7/7440	mg/kg	††	††	††	--	--	--	--	1,150		--	--	--	--	1,000		1,170			
	Selenium	7782-49-2	mg/kg	4,000	††	1,500	--	--	--	--	0.45	J	--	--	--	--	0.66	J	4.7	U		
	Silver	7440-22-4	mg/kg	8,300	††	1,500	--	--	--	--	0.51	U	--	--	--	--	0.53	U	0.58	U		
	Sodium	7440-23-5	mg/kg	††	††	††	--	--	--	--	93.3	J	--	--	--	--	160	--	216			
	Thallium	7440-28-0	mg/kg	††	††	††	--	--	--	--	6.1	U	--	--	--	--	6.3	U	0.4	J		
	Vanadium	7440-62-2	mg/kg	††	††	††	--	--	--	--	7.3		--	--	--	--	8		17.1			
	Zinc	7440-66-6	mg/kg	2,480,000	††	10,000	--	--	--	--	19.1		--	--	--	--	22.5		73.3			
SW7471A	Mercury	7439-97-6	mg/kg	††	††	2.8	--	--	--	--	0.02	U	--	--	--	--	0.022	U	0.032			
SW9012A/B	Cyanide	57-12-5	mg/kg	40,000	††	27	--	--	--	--	1.1	U	--	--	--	--	1.1	U	1.2	U		
E300.0	Sulfate	14808-79-8	mg/kg	††	††	††	--	--	--	--	20.1	UB	--	--	--	--	141		--	--		
E350.1	Ammonia, Nitrogen	7664-41-7	mg/kg	††	††	††	6.9	--	2.4	J	3.9	U	3.6	J	8.3		10.3		--	--		
E353.2	Nitrate	14797-55-8	mg/kg	††	††	††	--	--	--	--	1	U	--	--	--	--	1	U	--	--		
	Nitrite	14797-65-0	mg/kg	††	††	††	--	--	--	--	0.92	U	--	--	--	--	0.96	U	--	--		
SW9045D	pH	PH	su	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

See Notes on Page 15.

Table 1.1
Soil Analytical Results (TAL Inorganics, Pesticides, PCBs, Ammonia, Sulfate, Nitrate, Nitrite)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		TA 1-1		TA 1-2		TA 1-3		TA 1-4		TA 2-1		TA 2-2		TA 2-3	
							Sample Date		8/29/2013 9:50		8/29/2013 10:55		8/29/2013 11:20		8/29/2013 11:50		10/9/2013 11:00		10/9/2013 11:15		10/9/2013 11:30	
							Sample ID		SB-TA1-1 (0-2)(082913)		SB-TA1-2 (0-2)(082913)		SB-TA1-3 (0-2)(082913)		SB-TA1-4 (0-2)(082913)		SB-TA21 (0-1) 100913		SB-TA22 (0-1) 100913		SB-TA23 (0-1) 100913	
							Depth Interval		0 - 2 ft		0 - 2 ft		0 - 2 ft		0 - 2 ft		0 - 1 ft		0 - 1 ft		0 - 1 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs for Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs for Commercial Use	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Pesticides Method SW8081A/B	4,4'-DDD	72-54-8	mg/kg	14	††	92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4,4'-DDE	72-55-9	mg/kg	17	††	62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4,4'-DDT	50-29-3	mg/kg	136	††	47	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Aldrin	309-00-2	mg/kg	0.19	††	0.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	alpha-BHC	319-84-6	mg/kg	0.02	††	3.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	alpha-Chlordane	5103-71-9	mg/kg	2.9	††	24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	beta-BHC	319-85-7	mg/kg	0.09	††	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	delta-BHC	319-86-8	mg/kg	0.25	††	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Dieldrin	60-57-1	mg/kg	0.1	††	1.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endosulfan I	959-98-8	mg/kg	102	††	200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endosulfan II	33213-65-9	mg/kg	102	††	200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endosulfan sulfate	1031-07-8	mg/kg	1,000	††	200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endrin	72-20-8	mg/kg	0.06	††	89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endrin aldehyde	7421-93-4	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endrin ketone	53494-70-5	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	gamma-BHC	58-89-9	mg/kg	0.1	††	9.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	gamma-Chlordane	5566-34-7	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Heptachlor	76-44-8	mg/kg	0.38	††	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Heptachlor epoxide	1024-57-3	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Methoxychlor	72-43-5	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Toxaphene	8001-35-2	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCBs Method SW8082/A	Aroclor 1016	12674-11-2	mg/kg	††	††	††	0.25	U	0.25	U	0.26	U	0.24	U	0.27	U	0.27	U	0.28	U	0.28	U
	Aroclor 1221	11104-28-2	mg/kg	††	††	††	0.25	U	0.25	U	0.26	U	0.24	U	0.27	U	0.27	U	0.28	U	0.28	U
	Aroclor 1232	11141-16-5	mg/kg	††	††	††	0.25	U	0.25	U	0.26	U	0.24	U	0.27	U	0.27	U	0.28	U	0.28	U
	Aroclor 1242	53469-21-9	mg/kg	††	††	††	0.25	U	0.25	U	0.26	U	0.24	U	0.27	U	0.27	U	0.28	U	0.28	U
	Aroclor 1248	12672-29-6	mg/kg	††	††	††	0.25	U	0.24	J	0.26	U	0.24	U	0.27	U	0.27	U	0.28	U	0.28	U
	Aroclor 1254	11097-69-1	mg/kg	††	††	††	0.25	U	0.39	J	0.26	U	0.24	U	0.27	U	0.27	U	0.28	U	0.28	U
	Aroclor 1260	11096-82-5	mg/kg	††	††	††	0.25	U	0.11	J	0.26	U	0.24	U	0.27	U	0.27	U	0.28	U	0.28	U
	Aroclor 1262	37324-23-5	mg/kg	††	††	††	0.25	U	0.25	U	0.26	U	0.24	U	0.27	U	0.27	U	0.28	U	0.28	U
	Aroclor 1268	11100-14-4	mg/kg	††	††	††	0.25	U	0.25	U	0.26	U	0.24	U	0.27	U	0.27	U	0.28	U	0.28	U
	Total polychlorinated biphenyls	NA	mg/kg	3.2	††	1	ND		0.74		ND		ND		ND		ND		ND		ND	
Metals Method SW6010B/C	Aluminum	7429-90-5	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Antimony	7440-36-0	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Arsenic	7440-38-2	mg/kg	16,000	††	16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Barium	7440-39-3	mg/kg	820,000	††	400	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Beryllium	7440-41-7	mg/kg	47,000	††	590	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Cadmium	7440-43-9	mg/kg	7,500	††	9.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Calcium	7440-70-2	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Chromium	7440-47-3	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Cobalt	7440-48-4	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Copper	7440-50-8	mg/kg	1,720,000	††	270	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

See Notes on Page 15.

Table 1.1
Soil Analytical Results (TAL Inorganics, Pesticides, PCBs, Ammonia, Sulfate, Nitrate, Nitrite)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		TA 1-1		TA 1-2		TA 1-3		TA 1-4		TA 2-1		TA 2-2		TA 2-3	
							Sample Date		8/29/2013 9:50		8/29/2013 10:55		8/29/2013 11:20		8/29/2013 11:50		10/9/2013 11:00		10/9/2013 11:15		10/9/2013 11:30	
							Sample ID		SB-TA1-1 (0-2)(082913)		SB-TA1-2 (0-2)(082913)		SB-TA1-3 (0-2)(082913)		SB-TA1-4 (0-2)(082913)		SB-TA21 (0-1) 100913		SB-TA22 (0-1) 100913		SB-TA23 (0-1) 100913	
							Depth Interval		0 - 2 ft		0 - 2 ft		0 - 2 ft		0 - 2 ft		0 - 1 ft		0 - 1 ft		0 - 1 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs for Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs for Commercial Use	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Metals Method SW6010B/C (Cont.)	Iron	7439-89-6	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Lead	7439-92-1	mg/kg	450,000	††	1,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Magnesium	7439-95-4	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Manganese	7439-96-5	mg/kg	2,000,000	††	10,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Molybdenum	7439-98-7	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Nickel	7440-02-0	mg/kg	130,000	††	310	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Potassium	9/7/7440	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Selenium	7782-49-2	mg/kg	4,000	††	1,500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Silver	7440-22-4	mg/kg	8,300	††	1,500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Sodium	7440-23-5	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Thallium	7440-28-0	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Vanadium	7440-62-2	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Zinc	7440-66-6	mg/kg	2,480,000	††	10,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW7471A	Mercury	7439-97-6	mg/kg	††	††	2.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW9012A/B	Cyanide	57-12-5	mg/kg	40,000	††	27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
E300.0	Sulfate	14808-79-8	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
E350.1	Ammonia, Nitrogen	7664-41-7	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
E353.2	Nitrate	14797-55-8	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Nitrite	14797-65-0	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW9045D	pH	PH	su	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

See Notes on Page 15.

Table 1.1
Soil Analytical Results (TAL Inorganics, Pesticides, PCBs, Ammonia, Sulfate, Nitrate, Nitrite)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		TA 2-4		TA 3-1		TA 3-2		TA 3-3		TA 3-4		TA 4-1		TA 4-2	
							Sample Date		10/9/2013 11:45		10/9/2013 10:15		10/9/2013 10:00		10/9/2013 9:30		10/9/2013 9:45		10/9/2013 12:00		10/9/2013 12:15	
							Sample ID		SB-TA24 (0-1) 100913		SB-TA31 (0-1) 100913		SB-TA32 (0-1) 100913		SB-TA33 (0-1) 100913		SB-TA34 (0-1) 100913		SB-TA41 (0-1) 100913		SB-TA42 (0-1) 100913	
							Depth Interval		0 - 1 ft		0 - 1 ft		0 - 1 ft		0 - 1 ft		0 - 1 ft		0 - 1 ft		0 - 1 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs for Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs for Commercial Use	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Pesticides Method SW8081A/B	4,4'-DDD	72-54-8	mg/kg	14	††	92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4,4'-DDE	72-55-9	mg/kg	17	††	62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4,4'-DDT	50-29-3	mg/kg	136	††	47	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Aldrin	309-00-2	mg/kg	0.19	††	0.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	alpha-BHC	319-84-6	mg/kg	0.02	††	3.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	alpha-Chlordane	5103-71-9	mg/kg	2.9	††	24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	beta-BHC	319-85-7	mg/kg	0.09	††	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	delta-BHC	319-86-8	mg/kg	0.25	††	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Dieldrin	60-57-1	mg/kg	0.1	††	1.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endosulfan I	959-98-8	mg/kg	102	††	200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endosulfan II	33213-65-9	mg/kg	102	††	200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endosulfan sulfate	1031-07-8	mg/kg	1,000	††	200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endrin	72-20-8	mg/kg	0.06	††	89	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endrin aldehyde	7421-93-4	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Endrin ketone	53494-70-5	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	gamma-BHC	58-89-9	mg/kg	0.1	††	9.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	gamma-Chlordane	5566-34-7	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Heptachlor	76-44-8	mg/kg	0.38	††	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Heptachlor epoxide	1024-57-3	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Methoxychlor	72-43-5	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Toxaphene	8001-35-2	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCBs Method SW8082/A	Aroclor 1016	12674-11-2	mg/kg	††	††	††	0.23	U	0.25	U	0.21	U	0.24	U	0.25	U	0.18	U	0.22	U		
	Aroclor 1221	11104-28-2	mg/kg	††	††	††	0.23	U	0.25	U	0.21	U	0.24	U	0.25	U	0.18	U	0.22	U		
	Aroclor 1232	11141-16-5	mg/kg	††	††	††	0.23	U	0.25	U	0.21	U	0.24	U	0.25	U	0.18	U	0.22	U		
	Aroclor 1242	53469-21-9	mg/kg	††	††	††	0.23	U	0.25	U	0.21	U	0.24	U	0.25	U	0.18	U	0.22	U		
	Aroclor 1248	12672-29-6	mg/kg	††	††	††	0.23	U	0.25	U	0.21	U	0.24	U	0.25	U	0.18	U	0.22	U		
	Aroclor 1254	11097-69-1	mg/kg	††	††	††	0.23	U	0.14	J	0.21	U	0.24	U	0.25	U	0.18	U	0.22	U		
	Aroclor 1260	11096-82-5	mg/kg	††	††	††	0.23	U	0.25	U	0.21	U	0.24	U	0.25	U	0.18	U	0.22	U		
	Aroclor 1262	37324-23-5	mg/kg	††	††	††	0.23	U	0.25	U	0.21	U	0.24	U	0.25	U	0.18	U	0.22	U		
	Aroclor 1268	11100-14-4	mg/kg	††	††	††	0.23	U	0.25	U	0.21	U	0.24	U	0.25	U	0.18	U	0.22	U		
	Total polychlorinated biphenyls	NA	mg/kg	3.2	††	1	ND		0.14		ND		ND		ND		ND		ND		ND	
Metals Method SW6010B/C	Aluminum	7429-90-5	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Antimony	7440-36-0	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Arsenic	7440-38-2	mg/kg	16,000	††	16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Barium	7440-39-3	mg/kg	820,000	††	400	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Beryllium	7440-41-7	mg/kg	47,000	††	590	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Cadmium	7440-43-9	mg/kg	7,500	††	9.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Calcium	7440-70-2	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Chromium	7440-47-3	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Cobalt	7440-48-4	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Copper	7440-50-8	mg/kg	1,720,000	††	270	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

See Notes on Page 15.

Table 1.1
Soil Analytical Results (TAL Inorganics, Pesticides, PCBs, Ammonia, Sulfate, Nitrate, Nitrite)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		TA 2-4		TA 3-1		TA 3-2		TA 3-3		TA 3-4		TA 4-1		TA 4-2	
							Sample Date		10/9/2013 11:45		10/9/2013 10:15		10/9/2013 10:00		10/9/2013 9:30		10/9/2013 9:45		10/9/2013 12:00		10/9/2013 12:15	
							Sample ID		SB-TA24 (0-1) 100913		SB-TA31 (0-1) 100913		SB-TA32 (0-1) 100913		SB-TA33 (0-1) 100913		SB-TA34 (0-1) 100913		SB-TA41 (0-1) 100913		SB-TA42 (0-1) 100913	
							Depth Interval		0 - 1 ft		0 - 1 ft		0 - 1 ft		0 - 1 ft		0 - 1 ft		0 - 1 ft		0 - 1 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs for Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs for Commercial Use	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Metals Method SW6010B/C (Cont.)	Iron	7439-89-6	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Lead	7439-92-1	mg/kg	450,000	††	1,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Magnesium	7439-95-4	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Manganese	7439-96-5	mg/kg	2,000,000	††	10,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Molybdenum	7439-98-7	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Nickel	7440-02-0	mg/kg	130,000	††	310	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Potassium	9/7/7440	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Selenium	7782-49-2	mg/kg	4,000	††	1,500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Silver	7440-22-4	mg/kg	8,300	††	1,500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Sodium	7440-23-5	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Thallium	7440-28-0	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Vanadium	7440-62-2	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Zinc	7440-66-6	mg/kg	2,480,000	††	10,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW7471A	Mercury	7439-97-6	mg/kg	††	††	2.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW9012A/B	Cyanide	57-12-5	mg/kg	40,000	††	27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
E300.0	Sulfate	14808-79-8	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
E350.1	Ammonia, Nitrogen	7664-41-7	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
E353.2	Nitrate	14797-55-8	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Nitrite	14797-65-0	mg/kg	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW9045D	pH	PH	su	††	††	††	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

See Notes on Page 15.

Table 1.1
Soil Analytical Results (TAL Inorganics, Pesticides, PCBs, Ammonia, Sulfate, Nitrate, Nitrite)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location		TA 4-3		TA 4-4	
							Sample Date		10/9/2013 12:30	10/9/2013 12:30	10/9/2013 12:45	
							Sample ID		SB-TA43 (0-1) 100913	FD-06 (100913)	SB-TA44 (0-1) 100913	
							Depth Interval		0 - 1 ft	0 - 1 ft	0 - 1 ft	
Method	Analyte	CAS	Units	Restricted Use SCOs for Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs for Commercial Use	Result	Qual	Result	Qual	Result	Qual
Pesticides Method SW8081A/B	4,4'-DDD	72-54-8	mg/kg	14	††	92	--	--	--	--	--	--
	4,4'-DDE	72-55-9	mg/kg	17	††	62	--	--	--	--	--	--
	4,4'-DDT	50-29-3	mg/kg	136	††	47	--	--	--	--	--	--
	Aldrin	309-00-2	mg/kg	0.19	††	0.68	--	--	--	--	--	--
	alpha-BHC	319-84-6	mg/kg	0.02	††	3.4	--	--	--	--	--	--
	alpha-Chlordane	5103-71-9	mg/kg	2.9	††	24	--	--	--	--	--	--
	beta-BHC	319-85-7	mg/kg	0.09	††	3	--	--	--	--	--	--
	delta-BHC	319-86-8	mg/kg	0.25	††	500	--	--	--	--	--	--
	Dieldrin	60-57-1	mg/kg	0.1	††	1.4	--	--	--	--	--	--
	Endosulfan I	959-98-8	mg/kg	102	††	200	--	--	--	--	--	--
	Endosulfan II	33213-65-9	mg/kg	102	††	200	--	--	--	--	--	--
	Endosulfan sulfate	1031-07-8	mg/kg	1,000	††	200	--	--	--	--	--	--
	Endrin	72-20-8	mg/kg	0.06	††	89	--	--	--	--	--	--
	Endrin aldehyde	7421-93-4	mg/kg	††	††	††	--	--	--	--	--	--
	Endrin ketone	53494-70-5	mg/kg	††	††	††	--	--	--	--	--	--
	gamma-BHC	58-89-9	mg/kg	0.1	††	9.2	--	--	--	--	--	--
	gamma-Chlordane	5566-34-7	mg/kg	††	††	††	--	--	--	--	--	--
	Heptachlor	76-44-8	mg/kg	0.38	††	15	--	--	--	--	--	--
	Heptachlor epoxide	1024-57-3	mg/kg	††	††	††	--	--	--	--	--	--
	Methoxychlor	72-43-5	mg/kg	††	††	††	--	--	--	--	--	--
	Toxaphene	8001-35-2	mg/kg	††	††	††	--	--	--	--	--	--
PCBs Method SW8082/A	Aroclor 1016	12674-11-2	mg/kg	††	††	††	0.26	U	0.23	U	0.26	U
	Aroclor 1221	11104-28-2	mg/kg	††	††	††	0.26	U	0.23	U	0.26	U
	Aroclor 1232	11141-16-5	mg/kg	††	††	††	0.26	U	0.23	U	0.26	U
	Aroclor 1242	53469-21-9	mg/kg	††	††	††	0.26	U	0.23	U	0.26	U
	Aroclor 1248	12672-29-6	mg/kg	††	††	††	0.26	U	0.23	U	0.26	U
	Aroclor 1254	11097-69-1	mg/kg	††	††	††	0.26	U	0.23	U	0.26	U
	Aroclor 1260	11096-82-5	mg/kg	††	††	††	0.26	U	0.23	U	0.26	U
	Aroclor 1262	37324-23-5	mg/kg	††	††	††	0.26	U	0.23	U	0.26	U
	Aroclor 1268	11100-14-4	mg/kg	††	††	††	0.26	U	0.23	U	0.26	U
	Total polychlorinated biphenyls	NA	mg/kg	3.2	††	1	ND		ND		ND	
Metals Method SW6010B/C	Aluminum	7429-90-5	mg/kg	††	††	††	--	--	--	--	--	--
	Antimony	7440-36-0	mg/kg	††	††	††	--	--	--	--	--	--
	Arsenic	7440-38-2	mg/kg	16,000	††	16	--	--	--	--	--	--
	Barium	7440-39-3	mg/kg	820,000	††	400	--	--	--	--	--	--
	Beryllium	7440-41-7	mg/kg	47,000	††	590	--	--	--	--	--	--
	Cadmium	7440-43-9	mg/kg	7,500	††	9.3	--	--	--	--	--	--
	Calcium	7440-70-2	mg/kg	††	††	††	--	--	--	--	--	--
	Chromium	7440-47-3	mg/kg	††	††	††	--	--	--	--	--	--
	Cobalt	7440-48-4	mg/kg	††	††	††	--	--	--	--	--	--
	Copper	7440-50-8	mg/kg	1,720,000	††	270	--	--	--	--	--	--

See Notes on Page 15.

Table 1.1
Soil Analytical Results (TAL Inorganics, Pesticides, PCBs, Ammonia, Sulfate, Nitrate, Nitrite)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

							Location	TA 4-3				TA 4-4		
							Sample Date	10/9/2013 12:30		10/9/2013 12:30		10/9/2013 12:45		
								Sample ID		SB-TA43 (0-1) 100913		FD-06 (100913)		SB-TA44 (0-1) 100913
							Depth Interval							0 - 1 ft
Method	Analyte	CAS	Units	Restricted Use SCOs for Protection of Groundwater	CP-51 SCOs Protection of Groundwater	Restricted Use SCOs for Commercial Use	Result	Qual	Result	Qual	Result	Qual		
Metals Method SW6010B/C (Cont.)	Iron	7439-89-6	mg/kg	††	††	††	--	--	--	--	--	--		
	Lead	7439-92-1	mg/kg	450,000	††	1,000	--	--	--	--	--	--		
	Magnesium	7439-95-4	mg/kg	††	††	††	--	--	--	--	--	--		
	Manganese	7439-96-5	mg/kg	2,000,000	††	10,000	--	--	--	--	--	--		
	Molybdenum	7439-98-7	mg/kg	††	††	††	--	--	--	--	--	--		
	Nickel	7440-02-0	mg/kg	130,000	††	310	--	--	--	--	--	--		
	Potassium	9/7/7440	mg/kg	††	††	††	--	--	--	--	--	--		
	Selenium	7782-49-2	mg/kg	4,000	††	1,500	--	--	--	--	--	--		
	Silver	7440-22-4	mg/kg	8,300	††	1,500	--	--	--	--	--	--		
	Sodium	7440-23-5	mg/kg	††	††	††	--	--	--	--	--	--		
	Thallium	7440-28-0	mg/kg	††	††	††	--	--	--	--	--	--		
	Vanadium	7440-62-2	mg/kg	††	††	††	--	--	--	--	--	--		
	Zinc	7440-66-6	mg/kg	2,480,000	††	10,000	--	--	--	--	--	--		
	SW7471A	Mercury	7439-97-6	mg/kg	††	††	2.8	--	--	--	--	--		
SW9012A/B	Cyanide	57-12-5	mg/kg	40,000	††	27	--	--	--	--	--			
E300.0	Sulfate	14808-79-8	mg/kg	††	††	††	--	--	--	--	--			
E350.1	Ammonia, Nitrogen	7664-41-7	mg/kg	††	††	††	--	--	--	--	--			
E353.2	Nitrate	14797-55-8	mg/kg	††	††	††	--	--	--	--	--	--		
	Nitrite	14797-65-0	mg/kg	††	††	††	--	--	--	--	--	--		
SW9045D	pH	PH	su	††	††	††	--	--	--	--	--	--		

See Notes on Page 15.

Table 1.1
Soil Analytical Results (TAL Inorganics, Pesticides, PCBs, Ammonia, Sulfate, Nitrate, Nitrite)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Notes:

- (1) Restricted Use SCOs for Commercial Use and Protection of Groundwater are from table 375.6.8: Soil Cleanup Objectives(<http://www.dec.ny.gov/regs/15507.html#15513>)
CP-51 Soil Cleanup Guidance are from Table 1 Supplemental Soil Cleanup Objectives. Available online at: http://www.dec.ny.gov/docs/remediation_hudson_pdf/cpsoil.pdf.
- (2) Bold Result = Analyte detected in sample.
CAS = Chemical Abstracts Service.
mg/kg = milligrams per kilogram.
NA = Not applicable.
PCB = polychlorinated biphenyl.
SU = standard unit.
†† = Standard/Guidance value not defined.
-- = Analyte not tested in sample.

Qualifier Definitions:

- U = Analyte not detected at listed reporting detection limit.
J = Estimated value. Result is < the RL but = MDL.
B = Analyte was detected in the blank and sample.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		B55-1		B55-2		B55-3		B55-4		B55-5		B55-6		BCP-B20-SB001		BCP-B20-SB002	
				Sample Date		10/2/2013 8:45		10/2/2013 16:00		10/1/2013 16:00		10/1/2013 15:00		10/2/2013 15:00		10/1/2013 13:45		9/24/2012 11:40		9/25/2012 8:15	
				Sample ID		TMW-B551 (5-6)(100213)		TMW-B552 (10.6-11)(100213)		SB-B553 (8.7-10)(100113)		SB-B554 (8.6-10.5)(100113)		SB-555 (4-8)(100213)		SB-B556 (5.6-6.6)(100113)		BCP-B20-SB001 (4-6)		BCP-B20-SB002 (2-4)	
				Depth Interval		5 - 6 ft		10.6 - 11 ft		8.7 - 10 ft		8.6 - 10.5 ft		4 - 8 ft		5.6 - 6.6 ft		4 - 6 ft		2 - 4 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC	(-)-beta.-Pinene	18172-67-3	mg/kg																		
	.alpha.-Pinene	80-56-8	mg/kg																		
	.beta.-Pinene	127-91-3	mg/kg																		
	1,2,3,4-Tetramethylbenzene	488-23-3	mg/kg	0.0091	JN																
	1,2,3-Trimethylbenzene	526-73-8	mg/kg			1.9	J														
	1,2,4,5-Tetramethylbenzene	95-93-2	mg/kg	0.0064	JN			0.48	JN												
	1,2,4-Trithiolane	289-16-7	mg/kg																		
	1,3-Cyclopentadiene, 1,2,3,4-tetramethyl-	76089-59-3	mg/kg																		
	1,4-Methanonaphthalene, 1,4-dihydro-	4453-90-1	mg/kg	0.065	JN																
	1-Heptene	592-76-7	mg/kg																		
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg					0.29	JN												
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg	0.0049	JN																
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	mg/kg	0.005	JN			1.1	JN												
	1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	mg/kg	0.0046	JN																
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	mg/kg					0.56	JN												
	1H-Indene,2,3-dihydro-2,2-dimethyl-	20836-11-7	mg/kg	0.0057	JN																
	1-Pentene	109-67-1	mg/kg																		
	1-Propene, 1,2-dichloro-	563-54-2	mg/kg																		
	1-Propene, 3-chloro-	107-05-1	mg/kg																		
	1R-.alpha.-Pinene	7785-70-8	mg/kg																		
	2,4-Dithiapentane	1618-26-4	mg/kg																		
	2-Chlorotoluene	95-49-8	mg/kg																		
	2-Ethyltoluene	611-14-3	mg/kg			3.9	JN	0.6	JN												
	2-Isopropyltoluene	527-84-4	mg/kg			2.1	JN														
	2-Methylnaphthalene	91-57-6	mg/kg					0.71	JN												
	2-Pentanone	107-87-9	mg/kg																		
	2-Propenal, 2-methyl-	78-85-3	mg/kg																		
	3-Methylbenzothiophene	1455-18-1	mg/kg	0.0075	JN																
	3-Penten-2-one, 4-methyl-	141-79-7	mg/kg																		
	4-Chlorotoluene	106-43-4	mg/kg																		
	4-Nonanone, 2,6,8-trimethyl-	123-18-2	mg/kg																		
	Benzenamine, 2-chloro-N,N-dimethyl-	698-01-1	mg/kg																		
	Benzenamine, N,N,2-trimethyl-	609-72-3	mg/kg																		
	Benzene, (2-methyl-1-propenyl)-	768-49-0	mg/kg																		
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg	0.0056	JN																
	Benzene, 1-ethenyl-2-methyl-	611-15-4	mg/kg					0.69	JN												
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	mg/kg			2.9	JN														
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	mg/kg			2.3	JN														
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	mg/kg			1.9	JN	0.78	JN												
	Benzeneacetaldehyde, .alpha.-methyl-	93-53-8	mg/kg			2.5	JN														
	Benzocycloheptatriene	264-09-5	mg/kg																		
	Butane, 2-methyl-	78-78-4	mg/kg																		
	Camphene	79-92-5	mg/kg																		
	Cyclopentane, 1,3,5-trimethyl-, (1alpha,2alpha,3beta)-	15890-40-1	mg/kg																		
	Cyclohexane, 1,3,5-trimethyl-, (1alpha,3alpha,5beta)-	1795-26-2	mg/kg																		
	Cyclohexane, 1-methyl-4-(1-methylethyl)-	99-82-1	mg/kg																		
	Cyclopentane	287-92-3	mg/kg																		
	Cyclopentane, 1,2,4-trimethyl-	2815-58-9	mg/kg									5.2	JN								
	Cyclopentane, 1,2,4-trimethyl-, (1alpha,2beta,4alpha)-	16883-48-0	mg/kg																		
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg																		
	D-Limonene	5989-27-5	mg/kg																		

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		B55-1		B55-2		B55-3		B55-4		B55-5		B55-6		BCP-B20-SB001		BCP-B20-SB002	
				Sample Date		10/2/2013 8:45		10/2/2013 16:00		10/1/2013 16:00		10/1/2013 15:00		10/2/2013 15:00		10/1/2013 13:45		9/24/2012 11:40		9/25/2012 8:15	
				Sample ID		TMW-B551 (5-6)(100213)		TMW-B552 (10.6-11)(100213)		SB-B553 (8.7-10)(100113)		SB-B554 (8.6-10.5)(100113)		SB-555 (4-8)(100213)		SB-B556 (5.6-6.6)(100113)		BCP-B20-SB001 (4-6)		BCP-B20-SB002 (2-4)	
				Depth Interval		5 - 6 ft		10.6 - 11 ft		8.7 - 10 ft		8.6 - 10.5 ft		4 - 8 ft		5.6 - 6.6 ft		4 - 6 ft		2 - 4 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC (Cont.)	Epichlorohydrin	106-89-8	mg/kg																		
	Hexane, 2,4-dimethyl-	589-43-5	mg/kg									3.8	JN								
	Hexane, 2-methyl-	591-76-4	mg/kg																		
	Hexane, 3-methyl-	589-34-4	mg/kg																		
	Limonene	138-86-3	mg/kg																		
	Methacrylonitrile	126-98-7	mg/kg																		
	Methyl methacrylate	80-62-6	mg/kg																		
	N,N-Dimethylaniline	121-69-7	mg/kg																		
	Naphthalene, decahydro-	91-17-8	mg/kg																		
	n-Pentane	109-66-0	mg/kg																		
	N-Propylbenzene	103-65-1	mg/kg					0.47	J												
	n-Undecane	1120-21-4	mg/kg																		
	Octane, 2,6-dimethyl-	2051-30-1	mg/kg																		
	Pentane, 2,3,4-trimethyl-	565-75-3	mg/kg									2.4	JN								
	Pentane, 2,3-dimethyl-	565-59-3	mg/kg									2.9	JN								
	Pentane, 2,4-dimethyl-	108-08-7	mg/kg									1.7	JN								
	Pentane, 3-ethyl-	617-78-7	mg/kg									5.3	JN								
	Propanal, 2-methyl-	78-84-2	mg/kg																		
	Silanol, trimethyl-	1066-40-6	mg/kg																		
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg																		
	trans-Decahydronaphthalene	493-02-7	mg/kg																		
	Triethylamine	121-44-8	mg/kg																		
	Undecane, 5,6-dimethyl-	17615-91-7	mg/kg																		
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	mg/kg			3.1	JN	0.62	JN	3.9	JN										
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	mg/kg			2.5	JN			1.8	JN										
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	mg/kg			2.3	JN			1.8	JN										
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	mg/kg							1.5	JN										
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	mg/kg																		
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	mg/kg																		
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	mg/kg																		
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	mg/kg																		
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	mg/kg																		
SVOCs Method SW8270C/D TIC	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg					0.47	JN							0.21	JN				R
	1,1,2-Trichloroethane	79-00-5	mg/kg																		R
	1,2,4-Trichlorobenzene	120-82-1	mg/kg																		
	1,3,5-Trimethylbenzene	108-67-8	mg/kg																		
	1H-Benzofluorene	238-84-6	mg/kg																		
	1H-Benzofluorene	243-17-4	mg/kg	6.7	JN																
	1H-Cyclopropa(l)phenanthrene, 1a,9b-dihydro-	949-41-7	mg/kg																		
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg					0.42	JN												
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg					0.53	JN												
	1H-Indene, 2-phenyl-	4505-48-0	mg/kg																		
	1-Phenyl-1-butene	824-90-8	mg/kg					0.59	JN												
	1R- α -Pinene	7785-70-8	mg/kg																		
	2,8,9-Trioxa-5-aza-1-borabicyclo[3.3.3]undecane	283-56-7	mg/kg																		
	2-Cyclohexen-1-one	930-68-7	mg/kg																		
	2-Isopropyltoluene	527-84-4	mg/kg					0.45	JN												
	2-Octene	111-67-1	mg/kg																		
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	mg/kg					9	JN												
	4H-Cyclopenta[def]phenanthrene	203-64-5	mg/kg																		
	4-Isopropyl-2,2,5,5-tetramethyl-3-imidaz	72342-96-2	mg/kg																		

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	Location		B55-1		B55-2		B55-3		B55-4		B55-5		B55-6		BCP-B20-SB001		BCP-B20-SB002	
		Sample Date		10/2/2013 8:45		10/2/2013 16:00		10/1/2013 16:00		10/1/2013 15:00		10/2/2013 15:00		10/1/2013 13:45		9/24/2012 11:40		9/25/2012 8:15	
		Sample ID		TMW-B551 (5-6)(100213)		TMW-B552 (10.6-11)(100213)		SB-B553 (8.7-10)(100113)		SB-B554 (8.6-10.5)(100113)		SB-555 (4-8)(100213)		SB-B556 (5.6-6.6)(100113)		BCP-B20-SB001 (4-6)		BCP-B20-SB002 (2-4)	
		Depth Interval		5 - 6 ft		10.6 - 11 ft		8.7 - 10 ft		8.6 - 10.5 ft		4 - 8 ft		5.6 - 6.6 ft		4 - 6 ft		2 - 4 ft	
CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs	7,12-Dimethylbenz(a)anthracene	57-97-6	mg/kg																
Method	7H-Benzo[c]fluorene	205-12-9	mg/kg																
SW8270C/D	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	mg/kg																
TIC (Cont.)	9H-Fluorene, 2-methyl-	1430-97-3	mg/kg	4.8	JN														
	9-Octadecenamide, (Z)-	301-02-0	mg/kg																
	Anthracene, 1-methyl-	610-48-0	mg/kg																
	Anthracene, 2-methyl-	613-12-7	mg/kg																
	Anthracene, 9-methyl-	779-02-2	mg/kg																
	Benzaldehyde, 4-(dimethylamino)-	100-10-7	mg/kg																
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg					1.2	JN										
	Benzene, 1,2-diethyl-	135-01-3	mg/kg					0.88	JN										
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	mg/kg					0.49	JN										
	Benzene, 1-methyl-3-propyl-	1074-43-7	mg/kg																
	Benzene, 1-methyl-4-(2-propenyl)-	3333-13-9	mg/kg					0.85	JN										
	Benzo[b]naphtho[2,1-d]furan	239-30-5	mg/kg	7	JN														
	Benzo[b]naphtho[2,3-d]furan	243-42-5	mg/kg																
	Benzo[e]pyrene	192-97-2	mg/kg																
	Benzo[k]xanthene	200-23-7	mg/kg																
	Benzoic acid	65-85-0	mg/kg																
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	mg/kg																
	Cyclohexane, (2-methylpropyl)-	1678-98-4	mg/kg																
	Cyclohexanone	108-94-1	mg/kg																
	Cyclohexasiloxane, dodecamethyl-	540-97-6	mg/kg																
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg					1.3	JN										
	Decane, 4-methyl-	2847-72-5	mg/kg																
	Di(2-ethylhexyl) Adipate	103-23-1	mg/kg																
	Dibenzothiophene	132-65-0	mg/kg	7.4	JN														
	Dibenzothiophene, 3-methyl-	16587-52-3	mg/kg	5.1	JN														
	Diphenyl ether	101-84-8	mg/kg																
	Fluoranthene, 2-methyl-	33543-31-6	mg/kg	4	JN														
	Formylmethylenetriphenylphosphorane	28900-91-6	mg/kg																
	Methanethione, bis[4-(dimethylamino)phenyl]-	1226-46-6	mg/kg																
	Methanone, bis[4-(dimethylamino)phenyl]-	90-94-8	mg/kg																
	Methylene Chloride	75-09-2	mg/kg																
	m-Xylene	108-38-3	mg/kg																
	Naphthalene, 1,6-dimethyl-	575-43-9	mg/kg					0.61	JN										
	Naphthalene, 1-ethoxy-	1/8/5328	mg/kg																
	Naphthalene, 1-phenyl-	605-02-7	mg/kg																
	Naphthalene, 2,3-dimethyl-	581-40-8	mg/kg					0.69	JN										
	Naphthalene, 2,6-dimethyl-	581-42-0	mg/kg					0.58	JN										
	Naphthalene, 2-phenyl-	612-94-2	mg/kg	6	JN														
	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	16587-34-1	mg/kg	4.8	JN														
	n-Butylbenzene	104-51-8	mg/kg					0.92	JN										
	n-Dodecane	112-40-3	mg/kg																
	n-Heneicosane	629-94-7	mg/kg																
	n-Heptadecane	629-78-7	mg/kg																
	n-Hexadecane	544-76-3	mg/kg																
	n-Hexadecanoic acid	57-10-3	mg/kg																
	N-Nitrosodimethylamine	62-75-9	mg/kg																
	N-Nitrosomethylethylamine	10595-95-6	mg/kg																
	n-Octadecane	593-45-3	mg/kg																

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		B55-1		B55-2		B55-3		B55-4		B55-5		B55-6		BCP-B20-SB001		BCP-B20-SB002	
				Sample Date		10/2/2013 8:45		10/2/2013 16:00		10/1/2013 16:00		10/1/2013 15:00		10/2/2013 15:00		10/1/2013 13:45		9/24/2012 11:40		9/25/2012 8:15	
				Sample ID		TMW-B551 (5-6)(100213)		TMW-B552 (10.6-11)(100213)		SB-B553 (8.7-10)(100113)		SB-B554 (8.6-10.5)(100113)		SB-555 (4-8)(100213)		SB-B556 (5.6-6.6)(100113)		BCP-B20-SB001 (4-6)		BCP-B20-SB002 (2-4)	
				Depth Interval		5 - 6 ft		10.6 - 11 ft		8.7 - 10 ft		8.6 - 10.5 ft		4 - 8 ft		5.6 - 6.6 ft		4 - 6 ft		2 - 4 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Nonane, 2,6-dimethyl-	17302-28-2	mg/kg																		
	n-Pentacosane	629-99-2	mg/kg																		
	n-Tetracosane	646-31-1	mg/kg																		
	n-Tridecane	629-50-5	mg/kg																		
	n-Undecane	1120-21-4	mg/kg																		
	Octanoic Acid	124-07-2	mg/kg																		
	Oxime-, methoxy-phenyl-	1000222-86-6	mg/kg																		
	o-Xylene	95-47-6	mg/kg																		
	Perylene	198-55-0	mg/kg																		
	Phenanthrene, 1-methyl-	832-69-9	mg/kg	7.8	JN																
	Phenanthrene, 2,3-dimethyl-	3674-65-5	mg/kg																		
	Phenanthrene, 2,5-dimethyl-	3674-66-6	mg/kg	7	JN																
	Phenanthrene, 2-methyl-	2531-84-2	mg/kg	6.8	JN																
	Phenol, (1,1,3,3-tetramethylbutyl)-	27193-28-8	mg/kg																		
	Phenol, 2-(phenylmethyl)-	28994-41-4	mg/kg																		
	Phenol, 4-(1,1-dimethylethyl)-	98-54-4	mg/kg																		
	Phenol, 4-(phenylmethyl)-	101-53-1	mg/kg																		
	Phenyltoloxamine	92-12-6	mg/kg																		
	p-Isopropyltoluene	99-87-6	mg/kg					1.9	JN												
	p-Xylene	106-42-3	mg/kg										0.86	JN							
	Pyrene, 1-methyl-	2381-21-7	mg/kg																		
	Pyrene, 4-methyl-	12/6/3353	mg/kg																		
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg																		
	trans-Decahydronaphthalene	493-02-7	mg/kg																		
	Tricyclo[3.3.3.0(1,5)]undecane, 2,8,9-tri	15277-97-1	mg/kg																		
	Triphenylene, 2-methyl-	1705-84-6	mg/kg																		
	Triphenylphosphine oxide	791-28-6	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	mg/kg		JN	2	JN	1.4	JN				1.1	JN	0.47	JN					
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	mg/kg	6.7	JN			0.59	JN												
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	mg/kg	6.4	JN			0.52	JN												
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	mg/kg																		

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		BCP-B20-003		BLD 1-1A		BLD 1-1A		BLD 1-2		BLD 1-3		BLD 1-4A		BLD 4A-1	
				Sample Date		9/25/2012 9:21		9/25/2012 0:00		8/27/2013 9:30		10/1/2013 8:30		8/26/2013 13:00		8/16/2013 11:30		8/23/2013 16:00	
				Sample ID		BCP-B20-SB003		FD-09252012		SB-BLD11 (6-8)(082713)		TMW-BLD1-1a (14-16.7)(100113)		TMW-BLD12 (10-14)(082613)		TMW-BLD13 (5-7)(081613)		TMW-BLD14A (10.3-14)(082313)	
				Depth Interval		2 - 4 ft		2 - 4 ft		6 - 8 ft		14 - 16.7 ft		10 - 14 ft		5 - 7 ft		10.3 - 14 ft	
Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs	(-)-beta.-Pinene	18172-67-3	mg/kg																
Method	alpha.-Pinene	80-56-8	mg/kg																
SW8260B/C	beta.-Pinene	127-91-3	mg/kg																
TIC	1,2,3,4-Tetramethylbenzene	488-23-3	mg/kg																
	1,2,3-Trimethylbenzene	526-73-8	mg/kg																
	1,2,4,5-Tetramethylbenzene	95-93-2	mg/kg																
	1,2,4-Trithiolane	289-16-7	mg/kg																
	1,3-Cyclopentadiene, 1,2,3,4-tetramethyl-	76089-59-3	mg/kg																
	1,4-Methanonaphthalene, 1,4-dihydro-	4453-90-1	mg/kg																
	1-Heptene	592-76-7	mg/kg																
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg																
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg																
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	mg/kg																
	1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	mg/kg																
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	mg/kg																
	1H-Indene,2,3-dihydro-2,2-dimethyl-	20836-11-7	mg/kg																
	1-Pentene	109-67-1	mg/kg																
	1-Propene, 1,2-dichloro-	563-54-2	mg/kg																
	1-Propene, 3-chloro-	107-05-1	mg/kg																
	1R- alpha.-Pinene	7785-70-8	mg/kg																
	2,4-Dithiapentane	1618-26-4	mg/kg																
	2-Chlorotoluene	95-49-8	mg/kg																
	2-Ethyltoluene	611-14-3	mg/kg																
	2-Isopropyltoluene	527-84-4	mg/kg																
	2-Methylnaphthalene	91-57-6	mg/kg																
	2-Pentanone	107-87-9	mg/kg																
	2-Propenal, 2-methyl-	78-85-3	mg/kg																
	3-Methylbenzothiophene	1455-18-1	mg/kg																
	3-Penten-2-one, 4-methyl-	141-79-7	mg/kg																
	4-Chlorotoluene	106-43-4	mg/kg																
	4-Nonanone, 2,6,8-trimethyl-	123-18-2	mg/kg																
	Benzenamine, 2-chloro-N,N-dimethyl-	698-01-1	mg/kg																
	Benzenamine, N,N,2-trimethyl-	609-72-3	mg/kg																
	Benzene, (2-methyl-1-propenyl)-	768-49-0	mg/kg																
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg																
	Benzene, 1-ethenyl-2-methyl-	611-15-4	mg/kg																
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	mg/kg																
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	mg/kg																
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	mg/kg																
	Benzeneacetaldehyde, alpha.-methyl-	93-53-8	mg/kg																
	Benzocycloheptatriene	264-09-5	mg/kg																
	Butane, 2-methyl-	78-78-4	mg/kg																
	Camphene	79-92-5	mg/kg																
	Cyclopentane, 1,3,5-trimethyl-, (1alpha,2alpha,3beta)-	15890-40-1	mg/kg																
	Cyclohexane, 1,3,5-trimethyl-, (1alpha,3alpha,5beta)-	1795-26-2	mg/kg																
	Cyclohexane, 1-methyl-4-(1-methylethyl)-	99-82-1	mg/kg																
	Cyclopentane	287-92-3	mg/kg																
	Cyclopentane, 1,2,4-trimethyl-	2815-58-9	mg/kg																
	Cyclopentane, 1,2,4-trimethyl-, (1alpha,2beta,4alpha)-	16883-48-0	mg/kg																
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg																
	D-Limonene	5989-27-5	mg/kg																

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date Sample ID Depth Interval				BCP-B20-003		BLD 1-1A		BLD 1-1A		BLD 1-2		BLD 1-3		BLD 1-4A		BLD 4A-1	
				9/25/2012 9:21	9/25/2012 0:00	8/27/2013 9:30	10/1/2013 8:30	8/26/2013 13:00	8/16/2013 11:30	8/23/2013 16:00	8/19/2013 14:00						
				BCP-B20-SB003	FD-09252012	SB-BLD11 (6-8)(082713)	TMW-BLD1-1a (14-16.7)(100113)	TMW-BLD12 (10-14)(082613)	TMW-BLD13 (5-7)(081613)	TMW-BLD14A (10.3-14)(082313)	TMW-BLD 4A1 (8-10)(081913)						
				2 - 4 ft	2 - 4 ft	6 - 8 ft	14 - 16.7 ft	10 - 14 ft	5 - 7 ft	10.3 - 14 ft	8 - 10 ft						
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC (Cont.)	Epichlorohydrin	106-89-8	mg/kg														
	Hexane, 2,4-dimethyl-	589-43-5	mg/kg														
	Hexane, 2-methyl-	591-76-4	mg/kg														
	Hexane, 3-methyl-	589-34-4	mg/kg														
	Limonene	138-86-3	mg/kg														
	Methacrylonitrile	126-98-7	mg/kg														
	Methyl methacrylate	80-62-6	mg/kg														
	N,N-Dimethylaniline	121-69-7	mg/kg														
	Naphthalene, decahydro-	91-17-8	mg/kg														
	n-Pentane	109-66-0	mg/kg														
	N-Propylbenzene	103-65-1	mg/kg														
	n-Undecane	1120-21-4	mg/kg														
	Octane, 2,6-dimethyl-	2051-30-1	mg/kg														
	Pentane, 2,3,4-trimethyl-	565-75-3	mg/kg														
	Pentane, 2,3-dimethyl-	565-59-3	mg/kg														
	Pentane, 2,4-dimethyl-	108-08-7	mg/kg														
	Pentane, 3-ethyl-	617-78-7	mg/kg														
	Propanal, 2-methyl-	78-84-2	mg/kg														
	Silanol, trimethyl-	1066-40-6	mg/kg														
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg														
	trans-Decahydronaphthalene	493-02-7	mg/kg														
	Triethylamine	121-44-8	mg/kg														
	Undecane, 5,6-dimethyl-	17615-91-7	mg/kg														
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	mg/kg			0.0099	JN	0.0052	JN			0.0078	JN			0.025	JN
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	mg/kg													0.011	JN
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	mg/kg													0.0089	JN
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	mg/kg													0.0038	JN
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	mg/kg														
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	mg/kg														
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	mg/kg														
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	mg/kg														
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	mg/kg														
SVOCs Method SW8270C/D TIC	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg		R			0.18	JN		R			R			R
	1,1,2-Trichloroethane	79-00-5	mg/kg		R												
	1,2,4-Trichlorobenzene	120-82-1	mg/kg														
	1,3,5-Trimethylbenzene	108-67-8	mg/kg														
	11H-Benzo[a]fluorene	238-84-6	mg/kg														
	11H-Benzo[b]fluorene	243-17-4	mg/kg														
	1H-Cyclopropa[1]phenanthrene, 1a,9b-dihydro-	949-41-7	mg/kg														
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg														
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg														
	1H-Indene, 2-phenyl-	4505-48-0	mg/kg														
	1-Phenyl-1-butene	824-90-8	mg/kg														
	1R- alpha -Pinene	7785-70-8	mg/kg														
	2,8,9-Trioxa-5-aza-1-borabicyclo[3.3.3]undecane	283-56-7	mg/kg														
	2-Cyclohexen-1-one	930-68-7	mg/kg														
	2-Isopropyltoluene	527-84-4	mg/kg														
	2-Octene	111-67-1	mg/kg														
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	mg/kg														
	4H-Cyclopenta[def]phenanthrene	203-64-5	mg/kg														
	4-Isopropyl-2,2,5,5-tetramethyl-3-imidaz	72342-96-2	mg/kg														

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		BCP-B20-003		BLD 1-1A		BLD 1-1A		BLD 1-2		BLD 1-3		BLD 1-4A		BLD 4A-1	
				Sample Date		9/25/2012 9:21		9/25/2012 0:00		8/27/2013 9:30		10/1/2013 8:30		8/26/2013 13:00		8/16/2013 11:30		8/23/2013 16:00	
				Sample ID		BCP-B20-SB003		FD-09252012		SB-BLD11 (6-8)(082713)		TMW-BLD1-1a (14-16.7)(100113)		TMW-BLD12 (10-14)(082613)		TMW-BLD13 (5-7)(081613)		TMW-BLD14A (10.3-14)(082313)	
				Depth Interval		2 - 4 ft		2 - 4 ft		6 - 8 ft		14 - 16.7 ft		10 - 14 ft		5 - 7 ft		10.3 - 14 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	7,12-Dimethylbenz(a)anthracene	57-97-6	mg/kg																
	7H-Benzo[c]fluorene	205-12-9	mg/kg																
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	mg/kg																
	9H-Fluorene, 2-methyl-	1430-97-3	mg/kg																
	9-Octadecenamide, (Z)-	301-02-0	mg/kg																
	Anthracene, 1-methyl-	610-48-0	mg/kg													0.16	JN		
	Anthracene, 2-methyl-	613-12-7	mg/kg																
	Anthracene, 9-methyl-	779-02-2	mg/kg																
	Benzaldehyde, 4-(dimethylamino)-	100-10-7	mg/kg																
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg																
	Benzene, 1,2-diethyl-	135-01-3	mg/kg																
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	mg/kg																
	Benzene, 1-methyl-3-propyl-	1074-43-7	mg/kg																
	Benzene, 1-methyl-4-(2-propenyl)-	3333-13-9	mg/kg																
	Benzo[b]naphtho[2,1-d]furan	239-30-5	mg/kg																
	Benzo[b]naphtho[2,3-d]furan	243-42-5	mg/kg																
	Benzo[e]pyrene	192-97-2	mg/kg																
	Benzo[k]xanthene	200-23-7	mg/kg																
	Benzoic acid	65-85-0	mg/kg													0.69	J		
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	mg/kg																
	Cyclohexane, (2-methylpropyl)-	1678-98-4	mg/kg																
	Cyclohexanone	108-94-1	mg/kg																
	Cyclohexasiloxane, dodecamethyl-	540-97-6	mg/kg																
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg																
	Decane, 4-methyl-	2847-72-5	mg/kg																
	Di(2-ethylhexyl) Adipate	103-23-1	mg/kg													0.58	JN	0.48	JN
	Dibenzothiophene	132-65-0	mg/kg																
	Dibenzothiophene, 3-methyl-	16587-52-3	mg/kg																
	Diphenyl ether	101-84-8	mg/kg																
	Fluoranthene, 2-methyl-	33543-31-6	mg/kg																
	Formylmethylenetriphenylphosphorane	28900-91-6	mg/kg														R		
	Methanethione, bis[4-(dimethylamino)phenyl]-	1226-46-6	mg/kg																
	Methanone, bis[4-(dimethylamino)phenyl]-	90-94-8	mg/kg																
	Methylene Chloride	75-09-2	mg/kg				R												
	m-Xylene	108-38-3	mg/kg					19	JN										
	Naphthalene, 1,6-dimethyl-	575-43-9	mg/kg																
	Naphthalene, 1-ethoxy-	1/8/5328	mg/kg																
	Naphthalene, 1-phenyl-	605-02-7	mg/kg																
	Naphthalene, 2,3-dimethyl-	581-40-8	mg/kg																
	Naphthalene, 2,6-dimethyl-	581-42-0	mg/kg																
	Naphthalene, 2-phenyl-	612-94-2	mg/kg																
	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	16587-34-1	mg/kg																
	n-Butylbenzene	104-51-8	mg/kg																
	n-Dodecane	112-40-3	mg/kg																
	n-Heneicosane	629-94-7	mg/kg																
	n-Heptadecane	629-78-7	mg/kg																
	n-Hexadecane	544-76-3	mg/kg																
	n-Hexadecanoic acid	57-10-3	mg/kg																
	N-Nitrosodimethylamine	62-75-9	mg/kg																
	N-Nitrosomethylethylamine	10595-95-6	mg/kg															0.04	J
	n-Octadecane	593-45-3	mg/kg																

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		BCP-B20-003		BLD 1-1A		BLD 1-1A		BLD 1-2		BLD 1-3		BLD 1-4A		BLD 4A-1	
				Sample Date		9/25/2012 9:21		9/25/2012 0:00		8/27/2013 9:30		10/1/2013 8:30		8/26/2013 13:00		8/16/2013 11:30		8/23/2013 16:00	
				Sample ID		BCP-B20-SB003		FD-09252012		SB-BLD11 (6-8)(082713)		TMW-BLD1-1a (14-16.7)(100113)		TMW-BLD12 (10-14)(082613)		TMW-BLD13 (5-7)(081613)		TMW-BLD14A (10.3-14)(082313)	
				Depth Interval		2 - 4 ft		2 - 4 ft		6 - 8 ft		14 - 16.7 ft		10 - 14 ft		5 - 7 ft		10.3 - 14 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Nonane, 2,6-dimethyl-	17302-28-2	mg/kg																
	n-Pentacosane	629-99-2	mg/kg																
	n-Tetracosane	646-31-1	mg/kg																
	n-Tridecane	629-50-5	mg/kg																
	n-Undecane	1120-21-4	mg/kg																
	Octanoic Acid	124-07-2	mg/kg																
	Oxime-, methoxy-phenyl-	1000222-86-6	mg/kg																
	o-Xylene	95-47-6	mg/kg					3.7	JN										
	Perylene	198-55-0	mg/kg																
	Phenanthrene, 1-methyl-	832-69-9	mg/kg																
	Phenanthrene, 2,3-dimethyl-	3674-65-5	mg/kg																
	Phenanthrene, 2,5-dimethyl-	3674-66-6	mg/kg																
	Phenanthrene, 2-methyl-	2531-84-2	mg/kg																
	Phenol, (1,1,3,3-tetramethylbutyl)-	27193-28-8	mg/kg															0.31	JN
	Phenol, 2-(phenylmethyl)-	28994-41-4	mg/kg															0.32	JN
	Phenol, 4-(1,1-dimethylethyl)-	98-54-4	mg/kg																
	Phenol, 4-(phenylmethyl)-	101-53-1	mg/kg															0.24	JN
	Phenyltoloxamine	92-12-6	mg/kg																
	p-Isopropyltoluene	99-87-6	mg/kg																
	p-Xylene	106-42-3	mg/kg																
	Pyrene, 1-methyl-	2381-21-7	mg/kg																
	Pyrene, 4-methyl-	1276/3353	mg/kg																
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg																
	trans-Decahydronaphthalene	493-02-7	mg/kg																
	Tricyclo[3.3.3.0(1,5)]undecane, 2,8,9-tr	15277-97-1	mg/kg																
	Triphenylene, 2-methyl-	1705-84-6	mg/kg																
	Triphenylphosphine oxide	791-28-6	mg/kg					7.5	JN									2.2	JN
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	mg/kg							0.64	JN		R			R		0.97	JN
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	mg/kg							0.15	JN				0.35	JN		0.17	JN
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	mg/kg												0.16	JN			
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	mg/kg																
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	mg/kg																
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	mg/kg																
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	mg/kg																
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	mg/kg																
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	mg/kg																
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	mg/kg																
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	mg/kg																
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	mg/kg																

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date Sample ID Depth Interval				BLD 4B-1		BLD 5-1		BLD 5A-1		BLD 8-1		BLD 8-2		BLD 8A-1		BLD 8B-1		BLD 8C-1	
				8/20/2013 11:00		8/15/2013 10:55		8/12/2013 10:45		8/13/2013 9:45		8/12/2013 16:15		8/12/2013 14:00		8/9/2013 9:30		8/9/2013 13:45	
				TMW-BLD4B1 (6-8)(082013)		TMW-BLD 5-1 (18-20)(081513)		TMW-BLD5A-1 (6-7)(081213)		TMW-BLD8-1 (6-7)(081313)		TMW-BLD8-2 (8-9)(081213)		TMW-BLD8A-1 (14-15)(081213)		TMW-BLD8B1 (8.4-10)(080913)		TMW-BLD8C1 (8-10)(080913)	
				6 - 8 ft		18 - 20 ft		6 - 7 ft		6 - 7 ft		8 - 9 ft		14 - 15 ft		8.4 - 10 ft		8 - 10 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC	(-).beta.-Pinene	18172-67-3	mg/kg													0.053	JN	0.048	JN
	.alpha.-Pinene	80-56-8	mg/kg													0.086	JN		
	.beta.-Pinene	127-91-3	mg/kg							0.014	JN								
	1,2,3,4-Tetramethylbenzene	488-23-3	mg/kg																
	1,2,3-Trimethylbenzene	526-73-8	mg/kg																
	1,2,4,5-Tetramethylbenzene	95-93-2	mg/kg																
	1,2,4-Trithiolane	289-16-7	mg/kg																
	1,3-Cyclopentadiene, 1,2,3,4-tetramethyl-	76089-59-3	mg/kg																
	1,4-Methanonaphthalene, 1,4-dihydro-	4453-90-1	mg/kg																
	1-Heptene	592-76-7	mg/kg																
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg																
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg																
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	mg/kg																
	1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	mg/kg																
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	mg/kg																
	1H-Indene, 2,3-dihydro-2,2-dimethyl-	20836-11-7	mg/kg																
	1-Pentene	109-67-1	mg/kg																
	1-Propene, 1,2-dichloro-	563-54-2	mg/kg																
	1-Propene, 3-chloro-	107-05-1	mg/kg																
	1R-.alpha.-Pinene	7785-70-8	mg/kg							0.14	JN							0.18	JN
	2,4-Dithiapentane	1618-26-4	mg/kg																
	2-Chlorotoluene	95-49-8	mg/kg																
	2-Ethyltoluene	611-14-3	mg/kg																
	2-Isopropyltoluene	527-84-4	mg/kg																
	2-Methylnaphthalene	91-57-6	mg/kg							0.0063	JN					0.015	JN		
	2-Pentanone	107-87-9	mg/kg																
	2-Propenal, 2-methyl-	78-85-3	mg/kg																
	3-Methylbenzothiophene	1455-18-1	mg/kg																
	3-Penten-2-one, 4-methyl-	141-79-7	mg/kg																
	4-Chlorotoluene	106-43-4	mg/kg																
	4-Nonanone, 2,6,8-trimethyl-	123-18-2	mg/kg																
	Benzenamine, 2-chloro-N,N-dimethyl-	698-01-1	mg/kg																
	Benzenamine, N,N,2-trimethyl-	609-72-3	mg/kg																
	Benzene, (2-methyl-1-propenyl)-	768-49-0	mg/kg																
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg																
	Benzene, 1-ethenyl-2-methyl-	611-15-4	mg/kg																
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	mg/kg																
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	mg/kg																
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	mg/kg																
	Benzeneacetaldehyde, .alpha.-methyl-	93-53-8	mg/kg																
	Benzocycloheptatriene	264-09-5	mg/kg							0.0082	JN								
	Butane, 2-methyl-	78-78-4	mg/kg					0.028	JN										
	Camphene	79-92-5	mg/kg							0.021	JN							0.0061	JN
	Cyclopentane, 1,3,5-trimethyl-, (1alpha,2alpha,3beta)-	15890-40-1	mg/kg																
	Cyclohexane, 1,3,5-trimethyl-, (1alpha,3alpha,5beta)-	1795-26-2	mg/kg																
	Cyclohexane, 1-methyl-4-(1-methylethyl)-	99-82-1	mg/kg																
	Cyclopentane	287-92-3	mg/kg			0.02	JN	0.01	JN										
	Cyclopentane, 1,2,4-trimethyl-	2815-58-9	mg/kg																
	Cyclopentane, 1,2,4-trimethyl-, (1alpha,2beta,4alpha)-	16883-48-0	mg/kg																
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg							0.0054	JN					0.0056	JN		
	D-Limonene	5989-27-5	mg/kg							0.014	JN								

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		BLD 4B-1		BLD 5-1		BLD 5A-1		BLD 8-1		BLD 8-2		BLD 8A-1		BLD 8B-1		BLD 8C-1	
				Sample Date		8/20/2013 11:00		8/15/2013 10:55		8/12/2013 10:45		8/13/2013 9:45		8/12/2013 16:15		8/12/2013 14:00		8/9/2013 9:30		8/9/2013 13:45	
				Sample ID		TMW-BLD4B1 (6-8)(082013)		TMW-BLD 5-1 (18-20)(081513)		TMW-BLD5A-1 (6-7)(081213)		TMW-BLD8-1 (6-7)(081313)		TMW-BLD8-2 (8-9)(081213)		TMW-BLD8A-1 (14-15)(081213)		TMW-BLD8B1 (8.4-10)(080913)		TMW-BLD8C1 (8-10)(080913)	
				Depth Interval		6 - 8 ft		18 - 20 ft		6 - 7 ft		6 - 7 ft		8 - 9 ft		14 - 15 ft		8.4 - 10 ft		8 - 10 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
VOCs	Epichlorohydrin	106-89-8	mg/kg																		
Method SW8260B/C TIC (Cont.)	Hexane, 2,4-dimethyl-	589-43-5	mg/kg																		
	Hexane, 2-methyl-	591-76-4	mg/kg																		
	Hexane, 3-methyl-	589-34-4	mg/kg																		
	Limonene	138-86-3	mg/kg															0.0096	JN		
	Methacrylonitrile	126-98-7	mg/kg																		
	Methyl methacrylate	80-62-6	mg/kg																		
	N,N-Dimethylaniline	121-69-7	mg/kg																		
	Naphthalene, decahydro-	91-17-8	mg/kg																		
	n-Pentane	109-66-0	mg/kg					0.044	JN												
	N-Propylbenzene	103-65-1	mg/kg																		
	n-Undecane	1120-21-4	mg/kg																		
	Octane, 2,6-dimethyl-	2051-30-1	mg/kg																		
	Pentane, 2,3,4-trimethyl-	565-75-3	mg/kg																		
	Pentane, 2,3-dimethyl-	565-59-3	mg/kg																		
	Pentane, 2,4-dimethyl-	108-08-7	mg/kg																		
	Pentane, 3-ethyl-	617-78-7	mg/kg																		
	Propanal, 2-methyl-	78-84-2	mg/kg																		
	Silanol, trimethyl-	1066-40-6	mg/kg																		
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg																		
	trans-Decahydronaphthalene	493-02-7	mg/kg																		
	Triethylamine	121-44-8	mg/kg		0.066	JN															
	Undecane, 5,6-dimethyl-	17615-91-7	mg/kg																		
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	mg/kg		0.033	JN	0.0087	JN	0.01	JN	0.0062	JN			0.0074	JN	0.021	JN	0.0092	JN	
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	mg/kg		0.023	JN			0.0086	JN	0.0049	JN					0.0064	JN			
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	mg/kg		0.0048	JN															
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	mg/kg		0.0044	JN															
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	mg/kg		0.0043	JN															
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	mg/kg		0.0042	JN															
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	mg/kg																		
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	mg/kg																		
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	mg/kg																		
	SVOCs Method SW8270C/D TIC	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg		R		R		R		R		R		R				R	
1,1,2-Trichloroethane		79-00-5	mg/kg																		
1,2,4-Trichlorobenzene		120-82-1	mg/kg																		
1,3,5-Trimethylbenzene		108-67-8	mg/kg																		
11H-Benzo[a]fluorene		238-84-6	mg/kg																		
11H-Benzo[b]fluorene		243-17-4	mg/kg														0.66	JN			
1H-Cyclopropa[1]phenanthrene, 1a,9b-dihydro-		949-41-7	mg/kg																		
1H-Indene, 2,3-dihydro-1,2-dimethyl-		17057-82-8	mg/kg																		
1H-Indene, 2,3-dihydro-1,6-dimethyl-		17059-48-2	mg/kg																		
1H-Indene, 2-phenyl-		4505-48-0	mg/kg																		
1-Phenyl-1-butene		824-90-8	mg/kg																		
1R- alpha -Pinene		7785-70-8	mg/kg															0.55	JN		
2,8,9-Trioxa-5-aza-1-borabicyclo[3.3.3]undecane		283-56-7	mg/kg																		
2-Cyclohexen-1-one		930-68-7	mg/kg																		
2-Isopropyltoluene		527-84-4	mg/kg																		
2-Octene		111-67-1	mg/kg																		
4,4'-Methylene-bis-(N,N'-dimethyl)aniline		101-61-1	mg/kg																		
4H-Cyclopenta[def]phenanthrene		203-64-5	mg/kg					0.38	JN	0.3	JN										
4-Isopropyl-2,2,5,5-tetramethyl-3-imidaz		72342-96-2	mg/kg																		

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date Sample ID Depth Interval				BLD 4B-1		BLD 5-1		BLD 5A-1		BLD 8-1		BLD 8-2		BLD 8A-1		BLD 8B-1		BLD 8C-1	
				8/20/2013 11:00		8/15/2013 10:55		8/12/2013 10:45		8/13/2013 9:45		8/12/2013 16:15		8/12/2013 14:00		8/9/2013 9:30		8/9/2013 13:45	
				TMW-BLD4B1 (6-8)(082013)		TMW-BLD 5-1 (18-20)(081513)		TMW-BLD5A-1 (6-7)(081213)		TMW-BLD8-1 (6-7)(081313)		TMW-BLD8-2 (8-9)(081213)		TMW-BLD8A-1 (14-15)(081213)		TMW-BLD8B1 (8.4-10)(080913)		TMW-BLD8C1 (8-10)(080913)	
				6 - 8 ft		18 - 20 ft		6 - 7 ft		6 - 7 ft		8 - 9 ft		14 - 15 ft		8.4 - 10 ft		8 - 10 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	7,12-Dimethylbenz(a)anthracene	57-97-6	mg/kg																
	7H-Benzo[c]fluorene	205-12-9	mg/kg																
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	mg/kg																
	9H-Fluorene, 2-methyl-	1430-97-3	mg/kg																
	9-Octadecenamide, (Z)-	301-02-0	mg/kg									1.7	J	1.7	J				
	Anthracene, 1-methyl-	610-48-0	mg/kg																
	Anthracene, 2-methyl-	613-12-7	mg/kg							0.17	JN					0.3	JN		
	Anthracene, 9-methyl-	779-02-2	mg/kg																
	Benzaldehyde, 4-(dimethylamino)-	100-10-7	mg/kg																
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg																
	Benzene, 1,2-diethyl-	135-01-3	mg/kg																
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	mg/kg																
	Benzene, 1-methyl-3-propyl-	1074-43-7	mg/kg																
	Benzene, 1-methyl-4-(2-propenyl)-	3333-13-9	mg/kg																
	Benzo[b]naphtho[2,1-d]furan	239-30-5	mg/kg																
	Benzo[b]naphtho[2,3-d]furan	243-42-5	mg/kg							0.2	JN								
	Benzo[e]pyrene	192-97-2	mg/kg																
	Benzo[k]xanthene	200-23-7	mg/kg													0.31	JN		
	Benzoic acid	65-85-0	mg/kg																
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	mg/kg																
	Cyclohexane, (2-methylpropyl)-	1678-98-4	mg/kg																
	Cyclohexanone	108-94-1	mg/kg																
	Cyclohexasiloxane, dodecamethyl-	540-97-6	mg/kg																
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg																
	Decane, 4-methyl-	2847-72-5	mg/kg																
	Di(2-ethylhexyl) Adipate	103-23-1	mg/kg	0.64	JN														
	Dibenzothiophene	132-65-0	mg/kg																
	Dibenzothiophene, 3-methyl-	16587-52-3	mg/kg																
	Diphenyl ether	101-84-8	mg/kg																
	Fluoranthene, 2-methyl-	33543-31-6	mg/kg																
	Formylmethylenetriphenylphosphorane	28900-91-6	mg/kg																
	Methanethione, bis[4-(dimethylamino)phenyl]-	1226-46-6	mg/kg																
	Methanone, bis[4-(dimethylamino)phenyl]-	90-94-8	mg/kg																
	Methylene Chloride	75-09-2	mg/kg																
	m-Xylene	108-38-3	mg/kg																
	Naphthalene, 1,6-dimethyl-	575-43-9	mg/kg																
	Naphthalene, 1-ethoxy-	1/8/5328	mg/kg																
	Naphthalene, 1-phenyl-	605-02-7	mg/kg					0.41	JN										
	Naphthalene, 2,3-dimethyl-	581-40-8	mg/kg																
	Naphthalene, 2,6-dimethyl-	581-42-0	mg/kg																
	Naphthalene, 2-phenyl-	612-94-2	mg/kg																
	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	16587-34-1	mg/kg																
	n-Butylbenzene	104-51-8	mg/kg																
	n-Dodecane	112-40-3	mg/kg																
	n-Heneicosane	629-94-7	mg/kg																
	n-Heptadecane	629-78-7	mg/kg																
	n-Hexadecane	544-76-3	mg/kg																
	n-Hexadecanoic acid	57-10-3	mg/kg																
	N-Nitrosodimethylamine	62-75-9	mg/kg																
	N-Nitrosomethylethylamine	10595-95-6	mg/kg	0.042	J														
	n-Octadecane	593-45-3	mg/kg																

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		BLD 4B-1		BLD 5-1		BLD 5A-1		BLD 8-1		BLD 8-2		BLD 8A-1		BLD 8B-1		BLD 8C-1	
				Sample Date		8/20/2013 11:00		8/15/2013 10:55		8/12/2013 10:45		8/13/2013 9:45		8/12/2013 16:15		8/12/2013 14:00		8/9/2013 9:30		8/9/2013 13:45	
				Sample ID		TMW-BLD4B1 (6-8)(082013)		TMW-BLD 5-1 (18-20)(081513)		TMW-BLD5A-1 (6-7)(081213)		TMW-BLD8-1 (6-7)(081313)		TMW-BLD8-2 (8-9)(081213)		TMW-BLD8A-1 (14-15)(081213)		TMW-BLD8B1 (8.4-10)(080913)		TMW-BLD8C1 (8-10)(080913)	
				Depth Interval		6 - 8 ft		18 - 20 ft		6 - 7 ft		6 - 7 ft		8 - 9 ft		14 - 15 ft		8.4 - 10 ft		8 - 10 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
SVOCs Method SW8270C/D TIC (Cont.)	Nonane, 2,6-dimethyl-	17302-28-2	mg/kg																		
	n-Pentacosane	629-99-2	mg/kg																		
	n-Tetracosane	646-31-1	mg/kg																		
	n-Tridecane	629-50-5	mg/kg																		
	n-Undecane	1120-21-4	mg/kg																		
	Octanoic Acid	124-07-2	mg/kg																		
	Oxime-, methoxy-phenyl-	1000222-86-6	mg/kg																		
	o-Xylene	95-47-6	mg/kg																		
	Perylene	198-55-0	mg/kg													5.3	JN				
	Phenanthrene, 1-methyl-	832-69-9	mg/kg																		
	Phenanthrene, 2,3-dimethyl-	3674-65-5	mg/kg																		
	Phenanthrene, 2,5-dimethyl-	3674-66-6	mg/kg																		
	Phenanthrene, 2-methyl-	2531-84-2	mg/kg																		
	Phenol, (1,1,3,3-tetramethylbutyl)-	27193-28-8	mg/kg																		
	Phenol, 2-(phenylmethyl)-	28994-41-4	mg/kg																		
	Phenol, 4-(1,1-dimethylethyl)-	98-54-4	mg/kg					0.33	JN												
	Phenol, 4-(phenylmethyl)-	101-53-1	mg/kg																		
	Phenyltoloxamine	92-12-6	mg/kg																		
	p-Isopropyltoluene	99-87-6	mg/kg																		
	p-Xylene	106-42-3	mg/kg																		
	Pyrene, 1-methyl-	2381-21-7	mg/kg														0.61	JN			
	Pyrene, 4-methyl-	1276-3353	mg/kg																		
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg																		
	trans-Decahydronaphthalene	493-02-7	mg/kg																		
	Tricyclo[3.3.3.0(1,5)]undecane, 2,8,9-tri	15277-97-1	mg/kg								0.17	JN									
	Triphenylene, 2-methyl-	1705-84-6	mg/kg																		
	Triphenylphosphine oxide	791-28-6	mg/kg		R																
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	mg/kg		R		R		1.4	JN		R		R		R	0.57	JN		R	
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	mg/kg							R							0.49	JN			
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	mg/kg						0.52	JN							0.3	JN			
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	mg/kg						0.5	JN											
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	mg/kg						0.37	JN											
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	mg/kg						0.34	JN											
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	mg/kg																		

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		BLD 8D-1		BLD 9-1		BLD 9A-1		BLD 9B-1		BLD 20-1		BLD 21A-1		BLD 24-1		BLD 24A-1	
				Sample Date		8/9/2013 9:15		8/2/2013 14:05		8/2/2013 9:00		8/2/2013 11:10		10/3/2013 11:00		8/12/2013 15:30		8/2/2013 8:45		7/31/2013 16:00	
				Sample ID		TMW-BLD8D1 (4-6)(080913)		TMW-BLD9-1 (6-8)(080213)		TMW-9A-1 (4-6)(080213)		TMW-BLD9B-1 (11-13)(080213)		TMW-BLD201 (8-9) (100313)		TMW-BLD21A-1 (14-16)(081213)		TMW-BLD24-1 (6-8)(080213)		TMW-BLD24A1 (14-16)(073113)	
				Depth Interval		4 - 6 ft		6 - 8 ft		4 - 6 ft		11 - 13 ft		8 - 9 ft		14 - 16 ft		6 - 8 ft		14 - 16 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
VOCs Method SW8260B/C TIC	(-).beta.-Pinene	18172-67-3	mg/kg																		
	.alpha.-Pinene	80-56-8	mg/kg																		
	.beta.-Pinene	127-91-3	mg/kg																		
	1,2,3,4-Tetramethylbenzene	488-23-3	mg/kg																		
	1,2,3-Trimethylbenzene	526-73-8	mg/kg																		
	1,2,4,5-Tetramethylbenzene	95-93-2	mg/kg																		
	1,2,4-Trithiolane	289-16-7	mg/kg																		
	1,3-Cyclopentadiene, 1,2,3,4-tetramethyl-	76089-59-3	mg/kg																		
	1,4-Methanonaphthalene, 1,4-dihydro-	4453-90-1	mg/kg																		
	1-Heptene	592-76-7	mg/kg																		
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg																		
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg																		
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	mg/kg																		
	1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	mg/kg																		
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	mg/kg																		
	1H-Indene,2,3-dihydro-2,2-dimethyl-	20836-11-7	mg/kg																		
	1-Pentene	109-67-1	mg/kg																		
	1-Propene, 1,2-dichloro-	563-54-2	mg/kg																		
	1-Propene, 3-chloro-	107-05-1	mg/kg																		
	1R-.alpha.-Pinene	7785-70-8	mg/kg																		
	2,4-Dithiapentane	1618-26-4	mg/kg																		
	2-Chlorotoluene	95-49-8	mg/kg																		
	2-Ethyltoluene	611-14-3	mg/kg																		
	2-Isopropyltoluene	527-84-4	mg/kg																		
	2-Methylnaphthalene	91-57-6	mg/kg																		
	2-Pentanone	107-87-9	mg/kg																		
	2-Propenal, 2-methyl-	78-85-3	mg/kg																		
	3-Methylbenzothiophene	1455-18-1	mg/kg																		
	3-Penten-2-one, 4-methyl-	141-79-7	mg/kg																		
	4-Chlorotoluene	106-43-4	mg/kg																		
	4-Nonanone, 2,6,8-trimethyl-	123-18-2	mg/kg																		
	Benzenamine, 2-chloro-N,N-dimethyl-	698-01-1	mg/kg																		
	Benzenamine, N,N,2-trimethyl-	609-72-3	mg/kg																		
	Benzene, (2-methyl-1-propenyl)-	768-49-0	mg/kg																		
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg																		
	Benzene, 1-ethenyl-2-methyl-	611-15-4	mg/kg																		
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	mg/kg																		
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	mg/kg																		
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	mg/kg																		
	Benzeneacetaldehyde, .alpha.-methyl-	93-53-8	mg/kg																		
	Benzocycloheptatriene	264-09-5	mg/kg																		
	Butane, 2-methyl-	78-78-4	mg/kg																		
	Camphene	79-92-5	mg/kg																		
	Cyclopentane, 1,3,5-trimethyl-, (1alpha,2alpha,3beta)-	15890-40-1	mg/kg																		
	Cyclohexane, 1,3,5-trimethyl-, (1alpha,3alpha,5beta)-	1795-26-2	mg/kg																		
	Cyclohexane, 1-methyl-4-(1-methylethyl)-	99-82-1	mg/kg																		
	Cyclopentane	287-92-3	mg/kg																		
	Cyclopentane, 1,2,4-trimethyl-	2815-58-9	mg/kg																		
	Cyclopentane, 1,2,4-trimethyl-, (1alpha,2beta,4alpha)-	16883-48-0	mg/kg																		
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg			0.056	JN														
	D-Limonene	5989-27-5	mg/ka																		

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		BLD 8D-1	BLD 9-1	BLD 9A-1	BLD 9B-1	BLD 20-1	BLD 21A-1	BLD 24-1	BLD 24A-1
				Sample Date		8/9/2013 9:15	8/2/2013 14:05	8/2/2013 9:00	8/2/2013 11:10	10/3/2013 11:00	8/12/2013 15:30	8/2/2013 8:45	7/31/2013 16:00
				Sample ID		TMW-BLD8D1 (4-6)(080913)	TMW-BLD9-1 (6-8)(080213)	TMW-9A-1 (4-6)(080213)	TMW-BLD9B-1 (11-13)(080213)	TMW-BLD201 (8-9) (100313)	TMW-BLD21A-1 (14-16)(081213)	TMW-BLD24-1 (6-8)(080213)	TMW-BLD24A1 (14-16)(073113)
				Depth Interval		4 - 6 ft	6 - 8 ft	4 - 6 ft	11 - 13 ft	8 - 9 ft	14 - 16 ft	6 - 8 ft	14 - 16 ft
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC (Cont.)	Epichlorohydrin	106-89-8	mg/kg										
	Hexane, 2,4-dimethyl-	589-43-5	mg/kg										
	Hexane, 2-methyl-	591-76-4	mg/kg										
	Hexane, 3-methyl-	589-34-4	mg/kg										
	Limonene	138-86-3	mg/kg										
	Methacrylonitrile	126-98-7	mg/kg										
	Methyl methacrylate	80-62-6	mg/kg										
	N,N-Dimethylaniline	121-69-7	mg/kg			0.03	JN						
	Naphthalene, decahydro-	91-17-8	mg/kg										
	n-Pentane	109-66-0	mg/kg										
	N-Propylbenzene	103-65-1	mg/kg										
	n-Undecane	1120-21-4	mg/kg										
	Octane, 2,6-dimethyl-	2051-30-1	mg/kg										
	Pentane, 2,3,4-trimethyl-	565-75-3	mg/kg										
	Pentane, 2,3-dimethyl-	565-59-3	mg/kg										
	Pentane, 2,4-dimethyl-	108-08-7	mg/kg										
	Pentane, 3-ethyl-	617-78-7	mg/kg										
	Propanal, 2-methyl-	78-84-2	mg/kg										
	Silanol, trimethyl-	1066-40-6	mg/kg										
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg										
	trans-Decahydronaphthalene	493-02-7	mg/kg										
	Triethylamine	121-44-8	mg/kg										
	Undecane, 5,6-dimethyl-	17615-91-7	mg/kg										
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	mg/kg			0.011	JN				0.011	JN	0.0077
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	mg/kg								0.0041	JN	
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	mg/kg										0.012
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	mg/kg										JN
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	mg/kg										
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	mg/kg										
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	mg/kg										
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	mg/kg										
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	mg/kg										
SVOCs Method SW8270C/D TIC	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg		R		R			R	0.34	JN	
	1,1,2-Trichloroethane	79-00-5	mg/kg									R	
	1,2,4-Trichlorobenzene	120-82-1	mg/kg										R
	1,3,5-Trimethylbenzene	108-67-8	mg/kg										
	1H-Benzo[a]fluorene	238-84-6	mg/kg										
	1H-Benzo[b]fluorene	243-17-4	mg/kg										
	1H-Cyclopropa(l)phenanthrene, 1a,9b-dihydro-	949-41-7	mg/kg										
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg										
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg										
	1H-Indene, 2-phenyl-	4505-48-0	mg/kg										
	1-Phenyl-1-butene	824-90-8	mg/kg										
	1R- alpha -Pinene	7785-70-8	mg/kg										
	2,8,9-Trioxa-5-aza-1-borabicyclo[3.3.3]undecane	283-56-7	mg/kg										
	2-Cyclohexen-1-one	930-68-7	mg/kg										
	2-Isopropyltoluene	527-84-4	mg/kg										
	2-Octene	111-67-1	mg/kg							0.18	JN		
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	mg/kg			1	JN						
	4H-Cyclopenta[def]phenanthrene	203-64-5	mg/kg										
	4-Isopropyl-2,2,5,5-tetramethyl-3-imidaz	72342-96-2	mg/kg										

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		BLD 8D-1		BLD 9-1		BLD 9A-1		BLD 9B-1		BLD 20-1		BLD 21A-1		BLD 24-1		BLD 24A-1	
				Sample Date		8/9/2013 9:15		8/2/2013 14:05		8/2/2013 9:00		8/2/2013 11:10		10/3/2013 11:00		8/12/2013 15:30		8/2/2013 8:45		7/31/2013 16:00	
				Sample ID		TMW-BLD8D1 (4-6)(080913)		TMW-BLD9-1 (6-8)(080213)		TMW-9A-1 (4-6)(080213)		TMW-BLD9B-1 (11-13)(080213)		TMW-BLD201 (8-9) (100313)		TMW-BLD21A-1 (14-16)(081213)		TMW-BLD24-1 (6-8)(080213)		TMW-BLD24A1 (14-16)(073113)	
				Depth Interval		4 - 6 ft		6 - 8 ft		4 - 6 ft		11 - 13 ft		8 - 9 ft		14 - 16 ft		6 - 8 ft		14 - 16 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
SVOCs Method SW8270C/D TIC (Cont.)	7,12-Dimethylbenz(a)anthracene	57-97-6	mg/kg																		
	7H-Benzo[c]fluorene	205-12-9	mg/kg																		
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	mg/kg																		
	9H-Fluorene, 2-methyl-	1430-97-3	mg/kg																		
	9-Octadecenamide, (Z)-	301-02-0	mg/kg																		
	Anthracene, 1-methyl-	610-48-0	mg/kg																		
	Anthracene, 2-methyl-	613-12-7	mg/kg																		
	Anthracene, 9-methyl-	779-02-2	mg/kg																		
	Benzaldehyde, 4-(dimethylamino)-	100-10-7	mg/kg																		
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg																		
	Benzene, 1,2-diethyl-	135-01-3	mg/kg																		
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	mg/kg																		
	Benzene, 1-methyl-3-propyl-	1074-43-7	mg/kg																		
	Benzene, 1-methyl-4-(2-propenyl)-	3333-13-9	mg/kg																		
	Benzo[b]naphtho[2,1-d]furan	239-30-5	mg/kg																		
	Benzo[b]naphtho[2,3-d]furan	243-42-5	mg/kg																		
	Benzo[e]pyrene	192-97-2	mg/kg																		
	Benzo[k]xanthene	200-23-7	mg/kg																		
	Benzoic acid	65-85-0	mg/kg															R			
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	mg/kg																		
	Cyclohexane, (2-methylpropyl)-	1678-98-4	mg/kg																		
	Cyclohexanone	108-94-1	mg/kg																		
	Cyclohexasiloxane, dodecamethyl-	540-97-6	mg/kg																		
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg																		
	Decane, 4-methyl-	2847-72-5	mg/kg																		
	Di(2-ethylhexyl) Adipate	103-23-1	mg/kg																		
	Dibenzothiophene	132-65-0	mg/kg																		
	Dibenzothiophene, 3-methyl-	16587-52-3	mg/kg																		
	Diphenyl ether	101-84-8	mg/kg																		
	Fluoranthene, 2-methyl-	33543-31-6	mg/kg																		
	Formylmethylenetriphenylphosphorane	28900-91-6	mg/kg																		
	Methanethione, bis[4-(dimethylamino)phenyl]-	1226-46-6	mg/kg																		
	Methanone, bis[4-(dimethylamino)phenyl]-	90-94-8	mg/kg																		
	Methylene Chloride	75-09-2	mg/kg																		
	m-Xylene	108-38-3	mg/kg																		
	Naphthalene, 1,6-dimethyl-	575-43-9	mg/kg																		
	Naphthalene, 1-ethoxy-	1/8/5328	mg/kg																		
	Naphthalene, 1-phenyl-	605-02-7	mg/kg																		
	Naphthalene, 2,3-dimethyl-	581-40-8	mg/kg																		
	Naphthalene, 2,6-dimethyl-	581-42-0	mg/kg																		
	Naphthalene, 2-phenyl-	612-94-2	mg/kg																		
	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	16587-34-1	mg/kg																		
	n-Butylbenzene	104-51-8	mg/kg																		
	n-Dodecane	112-40-3	mg/kg																		
	n-Heneicosane	629-94-7	mg/kg																		
	n-Heptadecane	629-78-7	mg/kg																		
	n-Hexadecane	544-76-3	mg/kg																		
	n-Hexadecanoic acid	57-10-3	mg/kg																		
	N-Nitrosodimethylamine	62-75-9	mg/kg																		
	N-Nitrosomethylethylamine	10595-95-6	mg/kg																		
	n-Octadecane	593-45-3	mg/kg																		

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		BLD 8D-1		BLD 9-1		BLD 9A-1		BLD 9B-1		BLD 20-1		BLD 21A-1		BLD 24-1		BLD 24A-1	
				Sample Date		8/9/2013 9:15		8/2/2013 14:05		8/2/2013 9:00		8/2/2013 11:10		10/3/2013 11:00		8/12/2013 15:30		8/2/2013 8:45		7/31/2013 16:00	
				Sample ID		TMW-BLD8D1 (4-6)(080913)		TMW-BLD9-1 (6-8)(080213)		TMW-9A-1 (4-6)(080213)		TMW-BLD9B-1 (11-13)(080213)		TMW-BLD201 (8-9) (100313)		TMW-BLD21A-1 (14-16)(081213)		TMW-BLD24-1 (6-8)(080213)		TMW-BLD24A1 (14-16)(073113)	
				Depth Interval		4 - 6 ft		6 - 8 ft		4 - 6 ft		11 - 13 ft		8 - 9 ft		14 - 16 ft		6 - 8 ft		14 - 16 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
SVOCs Method SW8270C/D TIC (Cont.)	Nonane, 2,6-dimethyl-	17302-28-2	mg/kg																		
	n-Pentacosane	629-99-2	mg/kg																		
	n-Tetracosane	646-31-1	mg/kg																		
	n-Tridecane	629-50-5	mg/kg																		
	n-Undecane	1120-21-4	mg/kg																		
	Octanoic Acid	124-07-2	mg/kg																		
	Oxime-, methoxy-phenyl-	1000222-86-6	mg/kg																		
	o-Xylene	95-47-6	mg/kg																		
	Perylene	198-55-0	mg/kg																		
	Phenanthrene, 1-methyl-	832-69-9	mg/kg																		
	Phenanthrene, 2,3-dimethyl-	3674-65-5	mg/kg																		
	Phenanthrene, 2,5-dimethyl-	3674-66-6	mg/kg																		
	Phenanthrene, 2-methyl-	2531-84-2	mg/kg																		
	Phenol, (1,1,3,3-tetramethylbutyl)-	27193-28-8	mg/kg																		
	Phenol, 2-(phenylmethyl)-	28994-41-4	mg/kg																		
	Phenol, 4-(1,1-dimethylethyl)-	98-54-4	mg/kg																		
	Phenol, 4-(phenylmethyl)-	101-53-1	mg/kg																		
	Phenyltoloxamine	92-12-6	mg/kg																		
	p-Isopropyltoluene	99-87-6	mg/kg																		
	p-Xylene	106-42-3	mg/kg																		
	Pyrene, 1-methyl-	2381-21-7	mg/kg																		
	Pyrene, 4-methyl-	12/6/3353	mg/kg																		
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg																		
	trans-Decahydronaphthalene	493-02-7	mg/kg																		
	Tricyclo[3.3.3.0(1,5)]undecane, 2,8,9-tr	15277-97-1	mg/kg																		
	Triphenylene, 2-methyl-	1705-84-6	mg/kg																		
	Triphenylphosphine oxide	791-28-6	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	mg/kg		R		R		R		R				R		R				
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	mg/kg			0.26	JN	0.2	JN	0.17	JN					0.55	JN				
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	mg/kg			0.22	JN														
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	mg/kg																		

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		BLD 24A-1		BLD 29-1		BLD 36-1		BLD 41-1		BLD 43-1		BLD 43-1		BLD 45-1		BLD 46-1	
				Sample Date		7/31/2013 16:00		8/2/2013 15:30		8/22/2013 14:20		8/21/2013 9:30		7/30/2013 12:00		7/30/2013 12:00		7/24/2013 16:00		7/31/2013 15:50	
						Sample ID		TMW-BLD24A1 (14-18)(073113)		TMW-BLD29-1 (2-4)(080213)		TMW-BLD361 (4-6)(082213)		TMW-BLD411 (14.25-17.4)(082113)		TMW-BLD431 (6-10)(073013)		TMW-BLD431 (6-8)(073013)		TMW-BLD451 (6-8)(072413)	
				Depth Interval		14 - 18 ft		2 - 4 ft		4 - 6 ft		14.25 - 17.4 ft		6 - 10 ft		6 - 8 ft		6 - 8 ft		6 - 8 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
VOCs Method SW8260B/C TIC	(-).beta.-Pinene	18172-67-3	mg/kg																		
	.alpha.-Pinene	80-56-8	mg/kg																		
	.beta.-Pinene	127-91-3	mg/kg																		
	1,2,3,4-Tetramethylbenzene	488-23-3	mg/kg																		
	1,2,3-Trimethylbenzene	526-73-8	mg/kg																		
	1,2,4,5-Tetramethylbenzene	95-93-2	mg/kg																		
	1,2,4-Trithiolane	289-16-7	mg/kg																		
	1,3-Cyclopentadiene, 1,2,3,4-tetramethyl-	76089-59-3	mg/kg																		
	1,4-Methanonaphthalene, 1,4-dihydro-	4453-90-1	mg/kg																		
	1-Heptene	592-76-7	mg/kg																		
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg																		
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg																		
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	mg/kg																		
	1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	mg/kg																		
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	mg/kg																		
	1H-Indene,2,3-dihydro-2,2-dimethyl-	20836-11-7	mg/kg																		
	1-Pentene	109-67-1	mg/kg																		
	1-Propene, 1,2-dichloro-	563-54-2	mg/kg																		
	1-Propene, 3-chloro-	107-05-1	mg/kg																		
	1R-.alpha.-Pinene	7785-70-8	mg/kg																		
	2,4-Dithiapentane	1618-26-4	mg/kg																		
	2-Chlorotoluene	95-49-8	mg/kg																		
	2-Ethyltoluene	611-14-3	mg/kg																		
	2-Isopropyltoluene	527-84-4	mg/kg																		
	2-Methylnaphthalene	91-57-6	mg/kg																		
	2-Pentanone	107-87-9	mg/kg																		
	2-Propenal, 2-methyl-	78-85-3	mg/kg																		
	3-Methylbenzothiophene	1455-18-1	mg/kg																		
	3-Penten-2-one, 4-methyl-	141-79-7	mg/kg																		
	4-Chlorotoluene	106-43-4	mg/kg																		
	4-Nonanone, 2,6,8-trimethyl-	123-18-2	mg/kg																		
	Benzenamine, 2-chloro-N,N-dimethyl-	698-01-1	mg/kg																		
	Benzenamine, N,N,2-trimethyl-	609-72-3	mg/kg																		
	Benzene, (2-methyl-1-propenyl)-	768-49-0	mg/kg																		
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg																		
	Benzene, 1-ethenyl-2-methyl-	611-15-4	mg/kg																		
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	mg/kg																		
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	mg/kg																		
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	mg/kg																		
	Benzeneacetaldehyde, .alpha.-methyl-	93-53-8	mg/kg																		
	Benzocycloheptatriene	264-09-5	mg/kg																		
	Butane, 2-methyl-	78-78-4	mg/kg																		
	Camphene	79-92-5	mg/kg																		
	Cyclopentane, 1,3,5-trimethyl-, (1alpha,2alpha,3beta)-	15890-40-1	mg/kg																		
	Cyclohexane, 1,3,5-trimethyl-, (1alpha,3alpha,5beta)-	1795-26-2	mg/kg																		
	Cyclohexane, 1-methyl-4-(1-methylethyl)-	99-82-1	mg/kg																		
	Cyclopentane	287-92-3	mg/kg																		
	Cyclopentane, 1,2,4-trimethyl-	2815-58-9	mg/kg																		
	Cyclopentane, 1,2,4-trimethyl-, (1alpha,2beta,4alpha)-	16883-48-0	mg/kg																		
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg																		
	D-Limonene	5989-27-5	mg/kg														0.0047	JN			

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		BLD 24A-1	BLD 29-1	BLD 36-1	BLD 41-1	BLD 43-1	BLD 43-1	BLD 45-1	BLD 46-1
				Sample Date		7/31/2013 16:00	8/2/2013 15:30	8/22/2013 14:20	8/21/2013 9:30	7/30/2013 12:00	7/30/2013 12:00	7/24/2013 16:00	7/31/2013 15:50
				Sample ID		TMW-BLD24A1 (14-18)(073113)	TMW-BLD29-1 (2-4)(080213)	TMW-BLD361 (4-6)(082213)	TMW-BLD411 (14.25-17.4)(082113)	TMW-BLD431 (6-10)(073013)	TMW-BLD431 (6-8)(073013)	TMW-BLD451 (6-8)(072413)	TMW-BLD46-1- (6-8)(073113)
				Depth Interval		14 - 18 ft	2 - 4 ft	4 - 6 ft	14.25 - 17.4 ft	6 - 10 ft	6 - 8 ft	6 - 8 ft	6 - 8 ft
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC (Cont.)	Epichlorohydrin	106-89-8	mg/kg										
	Hexane, 2,4-dimethyl-	589-43-5	mg/kg										
	Hexane, 2-methyl-	591-76-4	mg/kg										
	Hexane, 3-methyl-	589-34-4	mg/kg										
	Limonene	138-86-3	mg/kg										
	Methacrylonitrile	126-98-7	mg/kg										
	Methyl methacrylate	80-62-6	mg/kg										
	N,N-Dimethylaniline	121-69-7	mg/kg										
	Naphthalene, decahydro-	91-17-8	mg/kg										
	n-Pentane	109-66-0	mg/kg										
	N-Propylbenzene	103-65-1	mg/kg										
	n-Undecane	1120-21-4	mg/kg										
	Octane, 2,6-dimethyl-	2051-30-1	mg/kg										
	Pentane, 2,3,4-trimethyl-	565-75-3	mg/kg										
	Pentane, 2,3-dimethyl-	565-59-3	mg/kg										
	Pentane, 2,4-dimethyl-	108-08-7	mg/kg										
	Pentane, 3-ethyl-	617-78-7	mg/kg										
	Propanal, 2-methyl-	78-84-2	mg/kg										
	Silanol, trimethyl-	1066-40-6	mg/kg										
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg										
	trans-Decahydronaphthalene	493-02-7	mg/kg										
	Triethylamine	121-44-8	mg/kg										
	Undecane, 5,6-dimethyl-	17615-91-7	mg/kg										
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	mg/kg							0.0063	JN	0.0045	JN
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	mg/kg										
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	mg/kg										
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	mg/kg										
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	mg/kg										
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	mg/kg										
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	mg/kg										
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	mg/kg										
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	mg/kg										
SVOCs Method SW8270C/D TIC	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg		R				R	0.43	JN		R
	1,1,2-Trichloroethane	79-00-5	mg/kg										
	1,2,4-Trichlorobenzene	120-82-1	mg/kg					0.008	J				
	1,3,5-Trimethylbenzene	108-67-8	mg/kg										
	11H-Benzof[a]fluorene	238-84-6	mg/kg										
	11H-Benzof[b]fluorene	243-17-4	mg/kg										
	1H-Cyclopropa[1]phenanthrene, 1a,9b-dihydro-	949-41-7	mg/kg										
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg										
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg										
	1H-Indene, 2-phenyl-	4505-48-0	mg/kg										
	1-Phenyl-1-butene	824-90-8	mg/kg										
	1R- alpha.-Pinene	7785-70-8	mg/kg										
	2,8,9-Trioxa-5-aza-1-borabicyclo[3.3.3]undecane	283-56-7	mg/kg										
	2-Cyclohexen-1-one	930-68-7	mg/kg										
	2-Isopropyltoluene	527-84-4	mg/kg										
	2-Octene	111-67-1	mg/kg										
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	mg/kg										
	4H-Cyclopenta[def]phenanthrene	203-64-5	mg/kg										
	4-Isopropyl-2,2,5,5-tetramethyl-3-imidaz	72342-96-2	mg/kg										

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		BLD 24A-1		BLD 29-1		BLD 36-1		BLD 41-1		BLD 43-1		BLD 43-1		BLD 45-1		BLD 46-1	
				Sample Date		7/31/2013 16:00		8/2/2013 15:30		8/22/2013 14:20		8/21/2013 9:30		7/30/2013 12:00		7/30/2013 12:00		7/24/2013 16:00		7/31/2013 15:50	
				Sample ID		TMW-BLD24A1 (14-18)(073113)		TMW-BLD29-1 (2-4)(080213)		TMW-BLD361 (4-6)(082213)		TMW-BLD411 (14.25-17.4)(082113)		TMW-BLD431 (6-10)(073013)		TMW-BLD431 (6-8)(073013)		TMW-BLD451 (6-8)(072413)		TMW-BLD46-1- (6-8)(073113)	
				Depth Interval		14 - 18 ft		2 - 4 ft		4 - 6 ft		14.25 - 17.4 ft		6 - 10 ft		6 - 8 ft		6 - 8 ft		6 - 8 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
SVOCs Method SW8270C/D TIC (Cont.)	7,12-Dimethylbenz(a)anthracene	57-97-6	mg/kg																		
	7H-Benzo[c]fluorene	205-12-9	mg/kg																		
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	mg/kg																		
	9H-Fluorene, 2-methyl-	1430-97-3	mg/kg																		
	9-Octadecenamide, (Z)-	301-02-0	mg/kg																		
	Anthracene, 1-methyl-	610-48-0	mg/kg																		
	Anthracene, 2-methyl-	613-12-7	mg/kg																		
	Anthracene, 9-methyl-	779-02-2	mg/kg																		
	Benzaldehyde, 4-(dimethylamino)-	100-10-7	mg/kg																		
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg																		
	Benzene, 1,2-diethyl-	135-01-3	mg/kg																		
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	mg/kg																		
	Benzene, 1-methyl-3-propyl-	1074-43-7	mg/kg																		
	Benzene, 1-methyl-4-(2-propenyl)-	3333-13-9	mg/kg																		
	Benzo[b]naphtho[2,1-d]furan	239-30-5	mg/kg																		
	Benzo[b]naphtho[2,3-d]furan	243-42-5	mg/kg																		
	Benzo[e]pyrene	192-97-2	mg/kg																		
	Benzo[k]xanthene	200-23-7	mg/kg																		
	Benzoic acid	65-85-0	mg/kg																		
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	mg/kg																		
	Cyclohexane, (2-methylpropyl)-	1678-98-4	mg/kg																		
	Cyclohexanone	108-94-1	mg/kg																		
	Cyclohexasiloxane, dodecamethyl-	540-97-6	mg/kg																		
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg																		
	Decane, 4-methyl-	2847-72-5	mg/kg																		
	Di(2-ethylhexyl) Adipate	103-23-1	mg/kg																		
	Dibenzothiophene	132-65-0	mg/kg																		
	Dibenzothiophene, 3-methyl-	16587-52-3	mg/kg																		
	Diphenyl ether	101-84-8	mg/kg																		
	Fluoranthene, 2-methyl-	33543-31-6	mg/kg																		
	Formylmethylenetriphenylphosphorane	28900-91-6	mg/kg																		
	Methanethione, bis[4-(dimethylamino)phenyl]-	1226-46-6	mg/kg																		
	Methanone, bis[4-(dimethylamino)phenyl]-	90-94-8	mg/kg																		
	Methylene Chloride	75-09-2	mg/kg																		
	m-Xylene	108-38-3	mg/kg																		
	Naphthalene, 1,6-dimethyl-	575-43-9	mg/kg																		
	Naphthalene, 1-ethoxy-	1/8/5328	mg/kg																		
	Naphthalene, 1-phenyl-	605-02-7	mg/kg																		
	Naphthalene, 2,3-dimethyl-	581-40-8	mg/kg																		
	Naphthalene, 2,6-dimethyl-	581-42-0	mg/kg																		
	Naphthalene, 2-phenyl-	612-94-2	mg/kg																		
	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	16587-34-1	mg/kg																		
	n-Butylbenzene	104-51-8	mg/kg																		
	n-Dodecane	112-40-3	mg/kg																		
	n-Heneicosane	629-94-7	mg/kg																		
	n-Heptadecane	629-78-7	mg/kg																		
	n-Hexadecane	544-76-3	mg/kg																		
	n-Hexadecanoic acid	57-10-3	mg/kg						0.15	JN											
	N-Nitrosodimethylamine	62-75-9	mg/kg																		
	N-Nitrosomethylethylamine	10595-95-6	mg/kg																		
	n-Octadecane	593-45-3	mg/kg																		

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		BLD 24A-1		BLD 29-1		BLD 36-1		BLD 41-1		BLD 43-1		BLD 43-1		BLD 45-1		BLD 46-1	
				Sample Date		7/31/2013 16:00		8/2/2013 15:30		8/22/2013 14:20		8/21/2013 9:30		7/30/2013 12:00		7/30/2013 12:00		7/24/2013 16:00		7/31/2013 15:50	
				Sample ID		TMW-BLD24A1 (14-18)(073113)		TMW-BLD29-1 (2-4)(080213)		TMW-BLD361 (4-6)(082213)		TMW-BLD411 (14.25-17.4)(082113)		TMW-BLD431 (6-10)(073013)		TMW-BLD431 (6-8)(073013)		TMW-BLD451 (6-8)(072413)		TMW-BLD46-1- (6-8)(073113)	
				Depth Interval		14 - 18 ft		2 - 4 ft		4 - 6 ft		14.25 - 17.4 ft		6 - 10 ft		6 - 8 ft		6 - 8 ft		6 - 8 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
SVOCs Method SW8270C/D TIC (Cont.)	Nonane, 2,6-dimethyl-	17302-28-2	mg/kg																		
	n-Pentacosane	629-99-2	mg/kg																		
	n-Tetracosane	646-31-1	mg/kg																		
	n-Tridecane	629-50-5	mg/kg																		
	n-Undecane	1120-21-4	mg/kg																		
	Octanoic Acid	124-07-2	mg/kg																		
	Oxime-, methoxy-phenyl-	1000222-86-6	mg/kg																		
	o-Xylene	95-47-6	mg/kg																		
	Perylene	198-55-0	mg/kg																		
	Phenanthrene, 1-methyl-	832-69-9	mg/kg																		
	Phenanthrene, 2,3-dimethyl-	3674-65-5	mg/kg																		
	Phenanthrene, 2,5-dimethyl-	3674-66-6	mg/kg																		
	Phenanthrene, 2-methyl-	2531-84-2	mg/kg																		
	Phenol, (1,1,3,3-tetramethylbutyl)-	27193-28-8	mg/kg																		
	Phenol, 2-(phenylmethyl)-	28994-41-4	mg/kg																		
	Phenol, 4-(1,1-dimethylethyl)-	98-54-4	mg/kg																		
	Phenol, 4-(phenylmethyl)-	101-53-1	mg/kg																		
	Phenyltoloxamine	92-12-6	mg/kg																		
	p-Isopropyltoluene	99-87-6	mg/kg																		
	p-Xylene	106-42-3	mg/kg																		
	Pyrene, 1-methyl-	2381-21-7	mg/kg																		
	Pyrene, 4-methyl-	12/6/3353	mg/kg																		
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg																		
	trans-Decahydronaphthalene	493-02-7	mg/kg																		
	Tricyclo[3.3.3.0(1,5)]undecane, 2,8,9-tri	15277-97-1	mg/kg																		
	Triphenylene, 2-methyl-	1705-84-6	mg/kg																		
	Triphenylphosphine oxide	791-28-6	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	mg/kg		R			R		R		R					R		R		
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	mg/kg			0.27	JN														
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	mg/kg																		

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

			Location	BLD 56-1		BLD 62-1		BLD 68-1		CHP43RX		DS 1-1		DS 2-1		DS 2-2		DS 2-3	
			Sample Date	8/7/2013 16:00		7/30/2013 17:00		8/6/2013 9:00		8/6/2013 12:00		8/1/2013 8:32		7/26/2013 11:00		7/25/2013 16:30		7/26/2013 14:00	
			Sample ID	TMW-BLD561 (4-6)(080713)		MW-BLD621 (28-30)(073013)		TMW-BLD68-1 (2-4)(080613)		MW-CHP43RX (26.4-28)(080613)		DS1-1 (10-12)(080113)		TMW-DS21 (2-4)(072613)		TMW-DS22 (4-6.3)(072513)		TMW-DS23 (2.4-4)(072613)	
			Depth Interval	4 - 6 ft		28 - 30 ft		2 - 4 ft		26.4 - 28 ft		10 - 12 ft		2 - 4 ft		4 - 6.3 ft		2.4 - 4 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC	(-)-.beta.-Pinene	18172-67-3	mg/kg																
	.alpha.-Pinene	80-56-8	mg/kg																
	.beta.-Pinene	127-91-3	mg/kg																
	1,2,3,4-Tetramethylbenzene	488-23-3	mg/kg																
	1,2,3-Trimethylbenzene	526-73-8	mg/kg																
	1,2,4,5-Tetramethylbenzene	95-93-2	mg/kg																
	1,2,4-Trithiolane	289-16-7	mg/kg							0.0089	JN								
	1,3-Cyclopentadiene, 1,2,3,4-tetramethyl-	76089-59-3	mg/kg																
	1,4-Methanonaphthalene, 1,4-dihydro-	4453-90-1	mg/kg																
	1-Heptene	592-76-7	mg/kg																
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg																
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg																
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	mg/kg																
	1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	mg/kg																
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	mg/kg																
	1H-Indene,2,3-dihydro-2,2-dimethyl-	20836-11-7	mg/kg																
	1-Pentene	109-67-1	mg/kg																
	1-Propene, 1,2-dichloro-	563-54-2	mg/kg							0.007	JN								
	1-Propene, 3-chloro-	107-05-1	mg/kg							0.01	JN								
	1R-.alpha.-Pinene	7785-70-8	mg/kg																
	2,4-Dithiapentane	1618-26-4	mg/kg							0.083	JN								
	2-Chlorotoluene	95-49-8	mg/kg																
	2-Ethyltoluene	611-14-3	mg/kg																
	2-Isopropyltoluene	527-84-4	mg/kg																
	2-Methylnaphthalene	91-57-6	mg/kg																
	2-Pentanone	107-87-9	mg/kg																
	2-Propenal, 2-methyl-	78-85-3	mg/kg																
	3-Methylbenzothiophene	1455-18-1	mg/kg																
	3-Penten-2-one, 4-methyl-	141-79-7	mg/kg																
	4-Chlorotoluene	106-43-4	mg/kg																
	4-Nonanone, 2,6,8-trimethyl-	123-18-2	mg/kg																
	Benzenamine, 2-chloro-N,N-dimethyl-	698-01-1	mg/kg																
	Benzenamine, N,N,2-trimethyl-	609-72-3	mg/kg							0.011	JN								
	Benzene, (2-methyl-1-propenyl)-	768-49-0	mg/kg																
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg																
	Benzene, 1-ethenyl-2-methyl-	611-15-4	mg/kg																
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	mg/kg																
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	mg/kg																
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	mg/kg																
	Benzeneacetaldehyde, .alpha.-methyl-	93-53-8	mg/kg																
	Benzocycloheptatriene	264-09-5	mg/kg																
	Butane, 2-methyl-	78-78-4	mg/kg																
	Camphene	79-92-5	mg/kg																
	Cyclopentane, 1,3,5-trimethyl-, (1alpha,2alpha,3beta)	15890-40-1	mg/kg																
	Cyclohexane, 1,3,5-trimethyl-, (1alpha,3alpha,5beta)	1795-26-2	mg/kg																
	Cyclohexane, 1-methyl-4-(1-methylethyl)-	99-82-1	mg/kg																
	Cyclopentane	287-92-3	mg/kg																
	Cyclopentane, 1,2,4-trimethyl-	2815-58-9	mg/kg																
	Cyclopentane, 1,2,4-trimethyl-, (1alpha,2beta,4alpha)	16883-48-0	mg/kg																
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg							0.11	JN			0.012	JN				
	D-Limonene	5989-27-5	mg/kg																

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		BLD 56-1	BLD 62-1	BLD 68-1	CHP43RX	DS 1-1	DS 2-1	DS 2-2	DS 2-3
				Sample Date		8/7/2013 16:00	7/30/2013 17:00	8/6/2013 9:00	8/6/2013 12:00	8/1/2013 8:32	7/26/2013 11:00	7/25/2013 16:30	7/26/2013 14:00
				Sample ID		TMW-BLD561 (4-6)(080713)	MW-BLD621 (28-30)(073013)	TMW-BLD68-1 (2-4)(080613)	MW-CHP43RX (26.4-28)(080613)	DS1-1 (10-12)(080113)	TMW-DS21 (2-4)(072613)	TMW-DS22 (4-6.3)(072513)	TMW-DS23 (2.4-4)(072613)
				Depth Interval		4 - 6 ft	28 - 30 ft	2 - 4 ft	26.4 - 28 ft	10 - 12 ft	2 - 4 ft	4 - 6.3 ft	2.4 - 4 ft
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC (Cont.)	Epichlorohydrin	106-89-8	mg/kg										
	Hexane, 2,4-dimethyl-	589-43-5	mg/kg										
	Hexane, 2-methyl-	591-76-4	mg/kg						0.014	JN			
	Hexane, 3-methyl-	589-34-4	mg/kg										
	Limonene	138-86-3	mg/kg										
	Methacrylonitrile	126-98-7	mg/kg										
	Methyl methacrylate	80-62-6	mg/kg										
	N,N-Dimethylaniline	121-69-7	mg/kg						0.029	JN			
	Naphthalene, decahydro-	91-17-8	mg/kg										
	n-Pentane	109-66-0	mg/kg										
	N-Propylbenzene	103-65-1	mg/kg										
	n-Undecane	1120-21-4	mg/kg										
	Octane, 2,6-dimethyl-	2051-30-1	mg/kg										
	Pentane, 2,3,4-trimethyl-	565-75-3	mg/kg										
	Pentane, 2,3-dimethyl-	565-59-3	mg/kg										
	Pentane, 2,4-dimethyl-	108-08-7	mg/kg										
	Pentane, 3-ethyl-	617-78-7	mg/kg										
	Propanal, 2-methyl-	78-84-2	mg/kg										
	Silanol, trimethyl-	1066-40-6	mg/kg										
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg										
	trans-Decahydronaphthalene	493-02-7	mg/kg						0.0078	JN			
	Triethylamine	121-44-8	mg/kg										
	Undecane, 5,6-dimethyl-	17615-91-7	mg/kg										
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	mg/kg	0.007	JN				0.015	JN			0.0058 JN
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	mg/kg										0.0054 JN
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	mg/kg										
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	mg/kg										
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	mg/kg										
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	mg/kg										
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	mg/kg										
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	mg/kg										
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	mg/kg										
SVOCs Method SW8270C/D TIC	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg		R					R	R		
	1,1,2-Trichloroethane	79-00-5	mg/kg										
	1,2,4-Trichlorobenzene	120-82-1	mg/kg										
	1,3,5-Trimethylbenzene	108-67-8	mg/kg										
	11H-Benzo[a]fluorene	238-84-6	mg/kg										
	11H-Benzo[b]fluorene	243-17-4	mg/kg										
	1H-Cyclopropa[1]phenanthrene, 1a,9b-dihydro-	949-41-7	mg/kg										
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg										
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg										
	1H-Indene, 2-phenyl-	4505-48-0	mg/kg										
	1-Phenyl-1-butene	824-90-8	mg/kg										
	1R-, alpha.-Pinene	7785-70-8	mg/kg										
	2,8,9-Trioxa-5-aza-1-borabicyclo[3.3.3]undecane	283-56-7	mg/kg										
	2-Cyclohexen-1-one	930-68-7	mg/kg										
	2-Isopropyltoluene	527-84-4	mg/kg										
	2-Octene	111-67-1	mg/kg										
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	mg/kg						2.2	JN	0.81	JN	
	4H-Cyclopenta[def]phenanthrene	203-64-5	mg/kg										
	4-Isopropyl-2,2,5,5-tetramethyl-3-imidaz	72342-96-2	mg/kg										

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

			Location	BLD 56-1		BLD 62-1		BLD 68-1		CHP43RX		DS 1-1		DS 2-1		DS 2-2		DS 2-3	
			Sample Date	8/7/2013 16:00		7/30/2013 17:00		8/6/2013 9:00		8/6/2013 12:00		8/1/2013 8:32		7/26/2013 11:00		7/25/2013 16:30		7/26/2013 14:00	
			Sample ID	TMW-BLD561 (4-6)(080713)		MW-BLD621 (28-30)(073013)		TMW-BLD68-1 (2-4)(080613)		MW-CHP43RX (26.4-28)(080613)		DS1-1 (10-12)(080113)		TMW-DS21 (2-4)(072613)		TMW-DS22 (4-6.3)(072513)		TMW-DS23 (2.4-4)(072613)	
			Depth Interval	4 - 6 ft		28 - 30 ft		2 - 4 ft		26.4 - 28 ft		10 - 12 ft		2 - 4 ft		4 - 6.3 ft		2.4 - 4 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	7,12-Dimethylbenz(a)anthracene	57-97-6	mg/kg																
	7H-Benzo(c)fluorene	205-12-9	mg/kg																
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	mg/kg																
	9H-Fluorene, 2-methyl-	1430-97-3	mg/kg																
	9-Octadecenamide, (Z)-	301-02-0	mg/kg					0.96	JN										
	Anthracene, 1-methyl-	610-48-0	mg/kg																
	Anthracene, 2-methyl-	613-12-7	mg/kg																
	Anthracene, 9-methyl-	779-02-2	mg/kg																
	Benzaldehyde, 4-(dimethylamino)-	100-10-7	mg/kg																
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg																
	Benzene, 1,2-diethyl-	135-01-3	mg/kg																
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	mg/kg																
	Benzene, 1-methyl-3-propyl-	1074-43-7	mg/kg																
	Benzene, 1-methyl-4-(2-propenyl)-	3333-13-9	mg/kg																
	Benzo[b]naphtho[2,1-d]furan	239-30-5	mg/kg																
	Benzo[b]naphtho[2,3-d]furan	243-42-5	mg/kg																
	Benzo[e]pyrene	192-97-2	mg/kg																
	Benzo[k]xanthene	200-23-7	mg/kg																
	Benzoic acid	65-85-0	mg/kg					R											
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	mg/kg																
	Cyclohexane, (2-methylpropyl)-	1678-98-4	mg/kg																
	Cyclohexanone	108-94-1	mg/kg																
	Cyclohexasiloxane, dodecamethyl-	540-97-6	mg/kg																
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg																
	Decane, 4-methyl-	2847-72-5	mg/kg																
	Di(2-ethylhexyl) Adipate	103-23-1	mg/kg																
	Dibenzothiophene	132-65-0	mg/kg																
	Dibenzothiophene, 3-methyl-	16587-52-3	mg/kg																
	Diphenyl ether	101-84-8	mg/kg																
	Fluoranthene, 2-methyl-	33543-31-6	mg/kg																
	Formylmethylenetriphenylphosphorane	28900-91-6	mg/kg																
	Methanethione, bis[4-(dimethylamino)phenyl]-	1226-46-6	mg/kg																
	Methanone, bis[4-(dimethylamino)phenyl]-	90-94-8	mg/kg																
	Methylene Chloride	75-09-2	mg/kg																
	m-Xylene	108-38-3	mg/kg																
	Naphthalene, 1,6-dimethyl-	575-43-9	mg/kg																
	Naphthalene, 1-ethoxy-	1/8/5328	mg/kg																
	Naphthalene, 1-phenyl-	605-02-7	mg/kg																
	Naphthalene, 2,3-dimethyl-	581-40-8	mg/kg																
	Naphthalene, 2,6-dimethyl-	581-42-0	mg/kg																
	Naphthalene, 2-phenyl-	612-94-2	mg/kg																
	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	16587-34-1	mg/kg																
	n-Butylbenzene	104-51-8	mg/kg																
	n-Dodecane	112-40-3	mg/kg																
	n-Heneicosane	629-94-7	mg/kg																
	n-Heptadecane	629-78-7	mg/kg																
	n-Hexadecane	544-76-3	mg/kg																
	n-Hexadecanoic acid	57-10-3	mg/kg																
	N-Nitrosodimethylamine	62-75-9	mg/kg																
	N-Nitrosomethylethylamine	10595-95-6	mg/kg																
	n-Octadecane	593-45-3	mg/kg																

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		BLD 56-1		BLD 62-1		BLD 68-1		CHP43RX		DS 1-1		DS 2-1		DS 2-2		DS 2-3	
				Sample Date		8/7/2013 16:00		7/30/2013 17:00		8/6/2013 9:00		8/6/2013 12:00		8/1/2013 8:32		7/26/2013 11:00		7/25/2013 16:30		7/26/2013 14:00	
				Sample ID		TMW-BLD561 (4-6)(080713)		MW-BLD621 (28-30)(073013)		TMW-BLD68-1 (2-4)(080613)		MW-CHP43RX (26.4-28)(080613)		DS1-1 (10-12)(080113)		TMW-DS21 (2-4)(072613)		TMW-DS22 (4-6.3)(072513)		TMW-DS23 (2.4-4)(072613)	
				Depth Interval		4 - 6 ft		28 - 30 ft		2 - 4 ft		26.4 - 28 ft		10 - 12 ft		2 - 4 ft		4 - 6.3 ft		2.4 - 4 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
SVOCs Method SW8270C/D TIC (Cont.)	Nonane, 2,6-dimethyl-	17302-28-2	mg/kg																		
	n-Pentacosane	629-99-2	mg/kg																		
	n-Tetracosane	646-31-1	mg/kg																		
	n-Tridecane	629-50-5	mg/kg																		
	n-Undecane	1120-21-4	mg/kg																		
	Octanoic Acid	124-07-2	mg/kg																		
	Oxime-, methoxy-phenyl-	1000222-86-6	mg/kg																		
	o-Xylene	95-47-6	mg/kg																		
	Perylene	198-55-0	mg/kg																		
	Phenanthrene, 1-methyl-	832-69-9	mg/kg																		
	Phenanthrene, 2,3-dimethyl-	3674-65-5	mg/kg																		
	Phenanthrene, 2,5-dimethyl-	3674-66-6	mg/kg																		
	Phenanthrene, 2-methyl-	2531-84-2	mg/kg																		
	Phenol, (1,1,3,3-tetramethylbutyl)-	27193-28-8	mg/kg																		
	Phenol, 2-(phenylmethyl)-	28994-41-4	mg/kg																		
	Phenol, 4-(1,1-dimethylethyl)-	98-54-4	mg/kg																		
	Phenol, 4-(phenylmethyl)-	101-53-1	mg/kg																		
	Phenyltoloxamine	92-12-6	mg/kg																		
	p-Isopropyltoluene	99-87-6	mg/kg																		
	p-Xylene	106-42-3	mg/kg																		
	Pyrene, 1-methyl-	2381-21-7	mg/kg																		
	Pyrene, 4-methyl-	12/6/3353	mg/kg																		
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg																		
	trans-Decahydronaphthalene	493-02-7	mg/kg																		
	Tricyclo[3.3.3.0(1,5)]undecane, 2,8,9-tr	15277-97-1	mg/kg																		
	Triphenylene, 2-methyl-	1705-84-6	mg/kg																		
	Triphenylphosphine oxide	791-28-6	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	mg/kg			R				R		R		R		R		R			
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	mg/kg	0.2	JN				R		0.5	JN	0.18	JN							
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	mg/kg						R												
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	mg/kg						R												
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	mg/kg																		

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		DS 2-4		PAN 1-1		PAN 1-2		PAS 1-1		PAS 1-2		PR 1-1		PR 24A-1			
				Sample Date		7/29/2013 15:00		7/16/2013 15:00		7/17/2013 13:00		7/18/2013 14:00		9/6/2013 15:00		9/6/2013 15:00		8/19/2013 9:30		7/25/2013 11:30	
				Sample ID		SB-DS24 (6.3-8.9)(072913)		TMW-PAN 1-1 (20-22)(071613)		SB-PAN1-2 (28-29)(071713)		TMW-PAS-1-1 (31-32)(071813)		TMW-PAS1-2 (10-12)(090613)		FD-01 (090613)		TMW-PR11 (5-7)(081913)		TMW-PR24A1 (6-8)(072513)	
				Depth Interval		6.3 - 8.9 ft		20 - 22 ft		28 - 29 ft		31 - 32 ft		10 - 12 ft		10 - 12 ft		5 - 7 ft		6 - 8 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
VOCs	(-).beta.-Pinene	18172-67-3	mg/kg																		
Method SW8260B/C TIC	.alpha.-Pinene	80-56-8	mg/kg																		
	.beta.-Pinene	127-91-3	mg/kg																		
	1,2,3,4-Tetramethylbenzene	488-23-3	mg/kg																		
	1,2,3-Trimethylbenzene	526-73-8	mg/kg																		
	1,2,4,5-Tetramethylbenzene	95-93-2	mg/kg																		
	1,2,4-Trithiolane	289-16-7	mg/kg																		
	1,3-Cyclopentadiene, 1,2,3,4-tetramethyl-	76089-59-3	mg/kg																		
	1,4-Methanonaphthalene, 1,4-dihydro-	4453-90-1	mg/kg																		
	1-Heptene	592-76-7	mg/kg																		
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg																		
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg																		
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	mg/kg																		
	1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	mg/kg																		
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	mg/kg																		
	1H-Indene,2,3-dihydro-2,2-dimethyl-	20836-11-7	mg/kg																		
	1-Pentene	109-67-1	mg/kg								0.0067	JN									
	1-Propene, 1,2-dichloro-	563-54-2	mg/kg																		
	1-Propene, 3-chloro-	107-05-1	mg/kg																		
	1R-.alpha.-Pinene	7785-70-8	mg/kg																		
	2,4-Dithiapentane	1618-26-4	mg/kg																		
	2-Chlorotoluene	95-49-8	mg/kg																		
	2-Ethyltoluene	611-14-3	mg/kg																		
	2-Isopropyltoluene	527-84-4	mg/kg																		
	2-Methylnaphthalene	91-57-6	mg/kg																		
	2-Pentanone	107-87-9	mg/kg																		
	2-Propenal, 2-methyl-	78-85-3	mg/kg																		
	3-Methylbenzothiophene	1455-18-1	mg/kg																		
	3-Penten-2-one, 4-methyl-	141-79-7	mg/kg																		
	4-Chlorotoluene	106-43-4	mg/kg																		
	4-Nonanone, 2,6,8-trimethyl-	123-18-2	mg/kg																		
	Benzenamine, 2-chloro-N,N-dimethyl-	698-01-1	mg/kg																		
	Benzenamine, N,N,2-trimethyl-	609-72-3	mg/kg																		
	Benzene, (2-methyl-1-propenyl)-	768-49-0	mg/kg																		
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg																		
	Benzene, 1-ethenyl-2-methyl-	611-15-4	mg/kg																		
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	mg/kg																		
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	mg/kg																		
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	mg/kg																		
	Benzeneacetaldehyde, .alpha.-methyl-	93-53-8	mg/kg																		
	Benzocycloheptatriene	264-09-5	mg/kg																		
	Butane, 2-methyl-	78-78-4	mg/kg																		
	Camphene	79-92-5	mg/kg																		
	Cyclopentane, 1,3,5-trimethyl-, (1alpha,2alpha,3beta)-	15890-40-1	mg/kg																		
	Cyclohexane, 1,3,5-trimethyl-, (1alpha,3alpha,5beta)-	1795-26-2	mg/kg																		
	Cyclohexane, 1-methyl-4-(1-methylethyl)-	99-82-1	mg/kg																		
	Cyclopentane	287-92-3	mg/kg																		
	Cyclopentane, 1,2,4-trimethyl-	2815-58-9	mg/kg																		
	Cyclopentane, 1,2,4-trimethyl-, (1alpha,2beta,4alpha)-	16883-48-0	mg/kg																		
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg	0.011	JN													0.0049	JN		
	D-Limonene	5989-27-5	mg/kg																		

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		DS 2-4		PAN 1-1		PAN 1-2		PAS 1-1		PAS 1-2		PR 1-1		PR 24A-1			
				Sample Date		7/29/2013 15:00		7/16/2013 15:00		7/17/2013 13:00		7/18/2013 14:00		9/6/2013 15:00		9/6/2013 15:00		8/19/2013 9:30		7/25/2013 11:30	
				Sample ID		SB-DS24 (6.3-8.9)(072913)		TMW-PAN 1-1 (20-22)(071613)		SB-PAN1-2 (28-29)(071713)		TMW-PAS-1-1 (31-32)(071813)		TMW-PAS1-2 (10-12)(090613)		FD-01 (090613)		TMW-PR11 (5-7)(081913)		TMW-PR24A1 (6-8)(072513)	
				Depth Interval		6.3 - 8.9 ft		20 - 22 ft		28 - 29 ft		31 - 32 ft		10 - 12 ft		10 - 12 ft		5 - 7 ft		6 - 8 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
VOCs	Epichlorohydrin	106-89-8	mg/kg																		
Method SW8260B/C TIC (Cont.)	Hexane, 2,4-dimethyl-	589-43-5	mg/kg																		
	Hexane, 2-methyl-	591-76-4	mg/kg																		
	Hexane, 3-methyl-	589-34-4	mg/kg																		
	Limonene	138-86-3	mg/kg																		
	Methacrylonitrile	126-98-7	mg/kg																		
	Methyl methacrylate	80-62-6	mg/kg																		
	N,N-Dimethylaniline	121-69-7	mg/kg																		
	Naphthalene, decahydro-	91-17-8	mg/kg																		
	n-Pentane	109-66-0	mg/kg																		
	N-Propylbenzene	103-65-1	mg/kg																		
	n-Undecane	1120-21-4	mg/kg																		
	Octane, 2,6-dimethyl-	2051-30-1	mg/kg																		
	Pentane, 2,3,4-trimethyl-	565-75-3	mg/kg																		
	Pentane, 2,3-dimethyl-	565-59-3	mg/kg																		
	Pentane, 2,4-dimethyl-	108-08-7	mg/kg																		
	Pentane, 3-ethyl-	617-78-7	mg/kg																		
	Propanal, 2-methyl-	78-84-2	mg/kg																		
	Silanol, trimethyl-	1066-40-6	mg/kg																		
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg																		
	trans-Decahydronaphthalene	493-02-7	mg/kg																		
	Triethylamine	121-44-8	mg/kg																		
	Undecane, 5,6-dimethyl-	17615-91-7	mg/kg																		
		UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	mg/kg	0.0063	JN					0.012	JN					0.0076	JN	0.0045	JN	
		UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	mg/kg																	
		UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	mg/kg																	
		UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	mg/kg																	
		UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	mg/kg																	
		UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	mg/kg																	
		UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	mg/kg																	
		UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	mg/kg																	
		UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	mg/kg																	
	SVOCs Method SW8270C/D TIC	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg		R		R		R		R		R		R		R		R	
1,1,2-Trichloroethane		79-00-5	mg/kg																		
1,2,4-Trichlorobenzene		120-82-1	mg/kg																		
1,3,5-Trimethylbenzene		108-67-8	mg/kg																		
11H-Benzo[a]fluorene		238-84-6	mg/kg																		
11H-Benzo[b]fluorene		243-17-4	mg/kg																		
1H-Cyclopropa[1]phenanthrene, 1a,9b-dihydro-		949-41-7	mg/kg																		
1H-Indene, 2,3-dihydro-1,2-dimethyl-		17057-82-8	mg/kg																		
1H-Indene, 2,3-dihydro-1,6-dimethyl-		17059-48-2	mg/kg																		
1H-Indene, 2-phenyl-		4505-48-0	mg/kg																		
1-Phenyl-1-butene		824-90-8	mg/kg																		
1R- alpha -Pinene		7785-70-8	mg/kg																		
2,8,9-Trioxa-5-aza-1-borabicyclo[3.3.3]undecane		283-56-7	mg/kg																		
2-Cyclohexen-1-one		930-68-7	mg/kg																		
2-Isopropyltoluene		527-84-4	mg/kg																		
2-Octene		111-67-1	mg/kg																		
4,4'-Methylene-bis-(N,N'-dimethyl)aniline		101-61-1	mg/kg																		
4H-Cyclopenta[def]phenanthrene		203-64-5	mg/kg																		
4-Isopropyl-2,2,5,5-tetramethyl-3-imidaz		72342-96-2	mg/kg																		

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		DS 2-4		PAN 1-1		PAN 1-2		PAS 1-1		PAS 1-2		PR 1-1		PR 24A-1			
				Sample Date		7/29/2013 15:00		7/16/2013 15:00		7/17/2013 13:00		7/18/2013 14:00		9/6/2013 15:00		9/6/2013 15:00		8/19/2013 9:30		7/25/2013 11:30	
				Sample ID		SB-DS24 (6.3-8.9)(072913)		TMW-PAN 1-1 (20-22)(071613)		SB-PAN1-2 (28-29)(071713)		TMW-PAS-1-1 (31-32)(071813)		TMW-PAS1-2 (10-12)(090613)		FD-01 (090613)		TMW-PR11 (5-7)(081913)		TMW-PR24A1 (6-8)(072513)	
				Depth Interval		6.3 - 8.9 ft		20 - 22 ft		28 - 29 ft		31 - 32 ft		10 - 12 ft		10 - 12 ft		5 - 7 ft		6 - 8 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
SVOCs Method SW8270C/D TIC (Cont.)	7,12-Dimethylbenz(a)anthracene	57-97-6	mg/kg																		
	7H-Benzo[c]fluorene	205-12-9	mg/kg																		
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	mg/kg																		
	9H-Fluorene, 2-methyl-	1430-97-3	mg/kg																		
	9-Octadecenamide, (Z)-	301-02-0	mg/kg																		
	Anthracene, 1-methyl-	610-48-0	mg/kg																		
	Anthracene, 2-methyl-	613-12-7	mg/kg																		
	Anthracene, 9-methyl-	779-02-2	mg/kg																		
	Benzaldehyde, 4-(dimethylamino)-	100-10-7	mg/kg																		
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg																		
	Benzene, 1,2-diethyl-	135-01-3	mg/kg																		
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	mg/kg																		
	Benzene, 1-methyl-3-propyl-	1074-43-7	mg/kg																		
	Benzene, 1-methyl-4-(2-propenyl)-	3333-13-9	mg/kg																		
	Benzo[b]naphtho[2,1-d]furan	239-30-5	mg/kg																		
	Benzo[b]naphtho[2,3-d]furan	243-42-5	mg/kg																		
	Benzo[e]pyrene	192-97-2	mg/kg																		
	Benzo[k]xanthene	200-23-7	mg/kg																		
	Benzoic acid	65-85-0	mg/kg																		
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	mg/kg																		
	Cyclohexane, (2-methylpropyl)-	1678-98-4	mg/kg																		
	Cyclohexanone	108-94-1	mg/kg																		
	Cyclohexasiloxane, dodecamethyl-	540-97-6	mg/kg																		
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg																		
	Decane, 4-methyl-	2847-72-5	mg/kg																		
	Di(2-ethylhexyl) Adipate	103-23-1	mg/kg																		
	Dibenzothiophene	132-65-0	mg/kg																		
	Dibenzothiophene, 3-methyl-	16587-52-3	mg/kg																		
	Diphenyl ether	101-84-8	mg/kg																		
	Fluoranthene, 2-methyl-	33543-31-6	mg/kg																		
	Formylmethylenetriphenylphosphorane	28900-91-6	mg/kg																		
	Methanethione, bis[4-(dimethylamino)phenyl]-	1226-46-6	mg/kg																		
	Methanone, bis[4-(dimethylamino)phenyl]-	90-94-8	mg/kg																		
	Methylene Chloride	75-09-2	mg/kg																		
	m-Xylene	108-38-3	mg/kg	0.52	JN						1.6	JN									
	Naphthalene, 1,6-dimethyl-	575-43-9	mg/kg																		
	Naphthalene, 1-ethoxy-	1/8/5328	mg/kg																		
	Naphthalene, 1-phenyl-	605-02-7	mg/kg																		
	Naphthalene, 2,3-dimethyl-	581-40-8	mg/kg																		
	Naphthalene, 2,6-dimethyl-	581-42-0	mg/kg																		
	Naphthalene, 2-phenyl-	612-94-2	mg/kg																		
	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	16587-34-1	mg/kg																		
	n-Butylbenzene	104-51-8	mg/kg																		
	n-Dodecane	112-40-3	mg/kg																		
	n-Heneicosane	629-94-7	mg/kg																		
	n-Heptadecane	629-78-7	mg/kg																		
	n-Hexadecane	544-76-3	mg/kg																		
	n-Hexadecanoic acid	57-10-3	mg/kg				0.17	JN	0.18	JN											
	N-Nitrosodimethylamine	62-75-9	mg/kg																		
	N-Nitrosomethylethylamine	10595-95-6	mg/kg																		
	n-Octadecane	593-45-3	mg/ka																		

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date Sample ID Depth Interval				DS 2-4		PAN 1-1		PAN 1-2		PAS 1-1		PAS 1-2		PR 1-1		PR 24A-1	
				7/29/2013 15:00		7/16/2013 15:00		7/17/2013 13:00		7/18/2013 14:00		9/6/2013 15:00		9/6/2013 15:00		8/19/2013 9:30	
				SB-DS24 (6.3-8.9)(072913)		TMW-PAN 1-1 (20-22)(071613)		SB-PAN1-2 (28-29)(071713)		TMW-PAS-1-1 (31-32)(071813)		TMW-PAS1-2 (10-12)(090613)		FD-01 (090613)		TMW-PR11 (5-7)(081913)	
				6.3 - 8.9 ft		20 - 22 ft		28 - 29 ft		31 - 32 ft		10 - 12 ft		10 - 12 ft		5 - 7 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Nonane, 2,6-dimethyl-	17302-28-2	mg/kg														
	n-Pentacosane	629-99-2	mg/kg														
	n-Tetracosane	646-31-1	mg/kg														
	n-Tridecane	629-50-5	mg/kg														
	n-Undecane	1120-21-4	mg/kg							0.23	JN						
	Octanoic Acid	124-07-2	mg/kg														
	Oxime-, methoxy-phenyl-	1000222-86-6	mg/kg														
	o-Xylene	95-47-6	mg/kg														
	Perylene	198-55-0	mg/kg														
	Phenanthrene, 1-methyl-	832-69-9	mg/kg														
	Phenanthrene, 2,3-dimethyl-	3674-65-5	mg/kg														
	Phenanthrene, 2,5-dimethyl-	3674-66-6	mg/kg														
	Phenanthrene, 2-methyl-	2531-84-2	mg/kg														
	Phenol, (1,1,3,3-tetramethylbutyl)-	27193-28-8	mg/kg														
	Phenol, 2-(phenylmethyl)-	28994-41-4	mg/kg														
	Phenol, 4-(1,1-dimethylethyl)-	98-54-4	mg/kg														
	Phenol, 4-(phenylmethyl)-	101-53-1	mg/kg														
	Phenyltoloxamine	92-12-6	mg/kg														
	p-Isopropyltoluene	99-87-6	mg/kg														
	p-Xylene	106-42-3	mg/kg														
	Pyrene, 1-methyl-	2381-21-7	mg/kg														
	Pyrene, 4-methyl-	1276-3353	mg/kg														
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg														
	trans-Decahydronaphthalene	493-02-7	mg/kg														
	Tricyclo[3.3.3.0(1,5)]undecane, 2,8,9-tri	15277-97-1	mg/kg														
	Triphenylene, 2-methyl-	1705-84-6	mg/kg														
	Triphenylphosphine oxide	791-28-6	mg/kg														
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	mg/kg		R		R		R	0.74	JN		R		R		R
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	mg/kg	0.26	JN	0.2	JN				R					R	0.21
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	mg/kg	0.21	JN												
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	mg/kg	0.16	JN												
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	mg/kg														
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	mg/kg														
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	mg/kg														
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	mg/kg														
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	mg/kg														
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	mg/kg														
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	mg/kg														
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	mg/kg														

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		PR 25-1		PR 5A-1		PR 8C-1		PR 9A-1		SR-1		SR-2		SR-3			
				Sample Date		7/24/2013 14:00		8/14/2013 9:55		8/8/2013 12:30		8/22/2013 9:20		8/6/2013 14:45		8/7/2013 14:45		8/6/2013 12:30		8/6/2013 12:30	
				Sample ID		TMW-PR251 (2-4)(072413)		TMW-PR5A1 (7-8)(081413)		TMW-PR8C-1 (6-8)(080813)		TMW-PR9A1 (4-6)(082213)		SB-SR1 (4-6)(080613)		TMW-SR2 (2-4)(080713)		TMW-SR3 (6-9)(080613)		FD-03 (080613)	
				Depth Interval		2 - 4 ft		7 - 8 ft		6 - 8 ft		4 - 6 ft		4 - 6 ft		2 - 4 ft		6 - 9 ft		6 - 9 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC	(-)-.beta.-Pinene	18172-67-3	mg/kg																		
	.alpha.-Pinene	80-56-8	mg/kg																		
	.beta.-Pinene	127-91-3	mg/kg																		
	1,2,3,4-Tetramethylbenzene	488-23-3	mg/kg																		
	1,2,3-Trimethylbenzene	526-73-8	mg/kg			0.022	J														
	1,2,4,5-Tetramethylbenzene	95-93-2	mg/kg			0.012	JN														
	1,2,4-Trithiolane	289-16-7	mg/kg																		
	1,3-Cyclopentadiene, 1,2,3,4-tetramethyl-	76089-59-3	mg/kg			0.027	JN														
	1,4-Methanonaphthalene, 1,4-dihydro-	4453-90-1	mg/kg																		
	1-Heptene	592-76-7	mg/kg																		
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg																		
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg																		
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	mg/kg																		
	1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	mg/kg																		
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	mg/kg																		
	1H-Indene, 2,3-dihydro-2,2-dimethyl-	20836-11-7	mg/kg																		
	1-Pentene	109-67-1	mg/kg																		
	1-Propene, 1,2-dichloro-	563-54-2	mg/kg																		
	1-Propene, 3-chloro-	107-05-1	mg/kg																		
	1R-.alpha.-Pinene	7785-70-8	mg/kg																		
	2,4-Dithiapentane	1618-26-4	mg/kg																		
	2-Chlorotoluene	95-49-8	mg/kg																		
	2-Ethyltoluene	611-14-3	mg/kg			0.013	JN														
	2-Isopropyltoluene	527-84-4	mg/kg																		
	2-Methylnaphthalene	91-57-6	mg/kg			0.011	JN														
	2-Pentanone	107-87-9	mg/kg																		
	2-Propenal, 2-methyl-	78-85-3	mg/kg																		
	3-Methylbenzothiophene	1455-18-1	mg/kg																		
	3-Penten-2-one, 4-methyl-	141-79-7	mg/kg																		
	4-Chlorotoluene	106-43-4	mg/kg											0.0005	J						
	4-Nonanone, 2,6,8-trimethyl-	123-18-2	mg/kg																		
	Benzenamine, 2-chloro-N,N-dimethyl-	698-01-1	mg/kg																		
	Benzenamine, N,N,2-trimethyl-	609-72-3	mg/kg																		
	Benzene, (2-methyl-1-propenyl)-	768-49-0	mg/kg			0.016	JN														
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg																		
	Benzene, 1-ethenyl-2-methyl-	611-15-4	mg/kg																		
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	mg/kg																		
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	mg/kg																		
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	mg/kg			0.012	JN														
	Benzeneacetaldehyde, .alpha.-methyl-	93-53-8	mg/kg																		
	Benzocycloheptatriene	264-09-5	mg/kg																		
	Butane, 2-methyl-	78-78-4	mg/kg																		
	Camphene	79-92-5	mg/kg																		
	Cyclopentane, 1,3,5-trimethyl-, (1alpha,2alpha,3beta)-	15890-40-1	mg/kg																		
	Cyclohexane, 1,3,5-trimethyl-, (1alpha,3alpha,5beta)-	1795-26-2	mg/kg																		
	Cyclohexane, 1-methyl-4-(1-methylethyl)-	99-82-1	mg/kg																		
	Cyclopentane	287-92-3	mg/kg																		
	Cyclopentane, 1,2,4-trimethyl-	2815-58-9	mg/kg																		
	Cyclopentane, 1,2,4-trimethyl-, (1alpha,2beta,4alpha)-	16883-48-0	mg/kg																		
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg	0.0056	JN																
	D-Limonene	5989-27-5	mg/kg																		

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		PR 25-1		PR 5A-1		PR 8C-1		PR 9A-1		SR-1		SR-2		SR-3			
				Sample Date		7/24/2013 14:00		8/14/2013 9:55		8/8/2013 12:30		8/22/2013 9:20		8/6/2013 14:45		8/7/2013 14:45		8/6/2013 12:30		8/6/2013 12:30	
				Sample ID		TMW-PR251 (2-4)(072413)		TMW-PR5A1 (7-8)(081413)		TMW-PR8C-1 (6-8)(080813)		TMW-PR9A1 (4-6)(082213)		SB-SR1 (4-6)(080613)		TMW-SR2 (2-4)(080713)		TMW-SR3 (6-9)(080613)		FD-03 (080613)	
				Depth Interval		2 - 4 ft		7 - 8 ft		6 - 8 ft		4 - 6 ft		4 - 6 ft		2 - 4 ft		6 - 9 ft		6 - 9 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC (Cont.)	Epichlorohydrin	106-89-8	mg/kg																		
	Hexane, 2,4-dimethyl-	589-43-5	mg/kg																		
	Hexane, 2-methyl-	591-76-4	mg/kg																		
	Hexane, 3-methyl-	589-34-4	mg/kg																		
	Limonene	138-86-3	mg/kg																		
	Methacrylonitrile	126-98-7	mg/kg																		
	Methyl methacrylate	80-62-6	mg/kg																		
	N,N-Dimethylaniline	121-69-7	mg/kg																		
	Naphthalene, decahydro-	91-17-8	mg/kg																		
	n-Pentane	109-66-0	mg/kg																		
	N-Propylbenzene	103-65-1	mg/kg																		
	n-Undecane	1120-21-4	mg/kg																		
	Octane, 2,6-dimethyl-	2051-30-1	mg/kg																		
	Pentane, 2,3,4-trimethyl-	565-75-3	mg/kg																		
	Pentane, 2,3-dimethyl-	565-59-3	mg/kg																		
	Pentane, 2,4-dimethyl-	108-08-7	mg/kg																		
	Pentane, 3-ethyl-	617-78-7	mg/kg																		
	Propanal, 2-methyl-	78-84-2	mg/kg																		
	Silanol, trimethyl-	1066-40-6	mg/kg																		
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg																		
	trans-Decahydronaphthalene	493-02-7	mg/kg																		
	Triethylamine	121-44-8	mg/kg																		
	Undecane, 5,6-dimethyl-	17615-91-7	mg/kg																		
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	mg/kg	0.0046	JN	0.038	JN					0.012	JN	0.0085	JN			0.0035	JN	0.0069	JN
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	mg/kg			0.014	JN														
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	mg/kg			0.01	JN														
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	mg/kg																		
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	mg/kg																		
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	mg/kg																		
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	mg/kg																		
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	mg/kg																		
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	mg/kg																		
SVOCs Method SW8270C/D TIC	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg		R		R		R		R		R		R		R				R
	1,1,2-Trichloroethane	79-00-5	mg/kg																		
	1,2,4-Trichlorobenzene	120-82-1	mg/kg																		
	1,3,5-Trimethylbenzene	108-67-8	mg/kg																		
	1H-Benzo[a]fluorene	238-84-6	mg/kg																		
	1H-Benzo[b]fluorene	243-17-4	mg/kg																		
	1H-Cyclopropa[1]phenanthrene, 1a,9b-dihydro-	949-41-7	mg/kg																		
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg																		
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg																		
	1H-Indene, 2-phenyl-	4505-48-0	mg/kg																		
	1-Phenyl-1-butene	824-90-8	mg/kg																		
	1R- alpha -Pinene	7785-70-8	mg/kg																		
	2,8,9-Trioxa-5-aza-1-borabicyclo[3.3.3]undecane	283-56-7	mg/kg																		
	2-Cyclohexen-1-one	930-68-7	mg/kg																		
	2-Isopropyltoluene	527-84-4	mg/kg																		
	2-Octene	111-67-1	mg/kg																		
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	mg/kg															0.19	JN	0.2	JN
	4H-Cyclopenta[def]phenanthrene	203-64-5	mg/kg																		
	4-Isopropyl-2,2,5,5-tetramethyl-3-imidaz	72342-96-2	mg/kg																		

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		PR 25-1		PR 5A-1		PR 8C-1		PR 9A-1		SR-1		SR-2		SR-3			
				Sample Date		7/24/2013 14:00		8/14/2013 9:55		8/8/2013 12:30		8/22/2013 9:20		8/6/2013 14:45		8/7/2013 14:45		8/6/2013 12:30		8/6/2013 12:30	
				Sample ID		TMW-PR251 (2-4)(072413)		TMW-PR5A1 (7-8)(081413)		TMW-PR8C-1 (6-8)(080813)		TMW-PR9A1 (4-6)(082213)		SB-SR1 (4-6)(080613)		TMW-SR2 (2-4)(080713)		TMW-SR3 (6-9)(080613)		FD-03 (080613)	
				Depth Interval		2 - 4 ft		7 - 8 ft		6 - 8 ft		4 - 6 ft		4 - 6 ft		2 - 4 ft		6 - 9 ft		6 - 9 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	7,12-Dimethylbenz(a)anthracene	57-97-6	mg/kg	0.1	J																
	7H-Benzo[c]fluorene	205-12-9	mg/kg																		
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	mg/kg																		
	9H-Fluorene, 2-methyl-	1430-97-3	mg/kg																		
	9-Octadecenamide, (Z)-	301-02-0	mg/kg																		
	Anthracene, 1-methyl-	610-48-0	mg/kg													1.1	J				
	Anthracene, 2-methyl-	613-12-7	mg/kg																		
	Anthracene, 9-methyl-	779-02-2	mg/kg																		
	Benzaldehyde, 4-(dimethylamino)-	100-10-7	mg/kg																		
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg																		
	Benzene, 1,2-diethyl-	135-01-3	mg/kg																		
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	mg/kg																		
	Benzene, 1-methyl-3-propyl-	1074-43-7	mg/kg																		
	Benzene, 1-methyl-4-(2-propenyl)-	3333-13-9	mg/kg																		
	Benzo[b]naphtho[2,1-d]furan	239-30-5	mg/kg																		
	Benzo[b]naphtho[2,3-d]furan	243-42-5	mg/kg																		
	Benzo[e]pyrene	192-97-2	mg/kg																		
	Benzo[k]xanthene	200-23-7	mg/kg																		
	Benzoic acid	65-85-0	mg/kg																		
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	mg/kg															0.22	JN	0.17	JN
	Cyclohexane, (2-methylpropyl)-	1678-98-4	mg/kg																		
	Cyclohexanone	108-94-1	mg/kg																		
	Cyclohexasiloxane, dodecamethyl-	540-97-6	mg/kg																		
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg																		
	Decane, 4-methyl-	2847-72-5	mg/kg																		
	Di(2-ethylhexyl) Adipate	103-23-1	mg/kg																		
	Dibenzothiophene	132-65-0	mg/kg																		
	Dibenzothiophene, 3-methyl-	16587-52-3	mg/kg																		
	Diphenyl ether	101-84-8	mg/kg																		
	Fluoranthene, 2-methyl-	33543-31-6	mg/kg																		
	Formylmethylenetriphenylphosphorane	28900-91-6	mg/kg																		
	Methanethione, bis[4-(dimethylamino)phenyl]-	1226-46-6	mg/kg																		
	Methanone, bis[4-(dimethylamino)phenyl]-	90-94-8	mg/kg																		
	Methylene Chloride	75-09-2	mg/kg																		
	m-Xylene	108-38-3	mg/kg																		
	Naphthalene, 1,6-dimethyl-	575-43-9	mg/kg																		
	Naphthalene, 1-ethoxy-	1/8/5328	mg/kg																		
	Naphthalene, 1-phenyl-	605-02-7	mg/kg																		
	Naphthalene, 2,3-dimethyl-	581-40-8	mg/kg																		
	Naphthalene, 2,6-dimethyl-	581-42-0	mg/kg																		
	Naphthalene, 2-phenyl-	612-94-2	mg/kg																		
	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	16587-34-1	mg/kg																		
	n-Butylbenzene	104-51-8	mg/kg																		
	n-Dodecane	112-40-3	mg/kg																		
	n-Heneicosane	629-94-7	mg/kg	0.17	JN																
	n-Heptadecane	629-78-7	mg/kg	0.27	JN																
	n-Hexadecane	544-76-3	mg/kg	0.35	JN																
	n-Hexadecanoic acid	57-10-3	mg/kg									0.15	JN								
	N-Nitrosodimethylamine	62-75-9	mg/kg																		
	N-Nitrosomethylethylamine	10595-95-6	mg/kg									0.045	J								
	n-Octadecane	593-45-3	mg/kg	0.4	JN																

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		PR 25-1		PR 5A-1		PR 8C-1		PR 9A-1		SR-1		SR-2		SR-3	
				Sample Date		7/24/2013 14:00		8/14/2013 9:55		8/8/2013 12:30		8/22/2013 9:20		8/6/2013 14:45		8/7/2013 14:45		8/6/2013 12:30	
				Sample ID		TMW-PR251 (2-4)(072413)		TMW-PR5A1 (7-8)(081413)		TMW-PR8C-1 (6-8)(080813)		TMW-PR9A1 (4-6)(082213)		SB-SR1 (4-6)(080613)		TMW-SR2 (2-4)(080713)		TMW-SR3 (6-9)(080613)	
				Depth Interval		2 - 4 ft		7 - 8 ft		6 - 8 ft		4 - 6 ft		4 - 6 ft		2 - 4 ft		6 - 9 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Nonane, 2,6-dimethyl-	17302-28-2	mg/kg																
	n-Pentacosane	629-99-2	mg/kg																
	n-Tetracosane	646-31-1	mg/kg	0.16	JN														
	n-Tridecane	629-50-5	mg/kg	0.33	JN														
	n-Undecane	1120-21-4	mg/kg																
	Octanoic Acid	124-07-2	mg/kg																
	Oxime-, methoxy-phenyl-	1000222-86-6	mg/kg																
	o-Xylene	95-47-6	mg/kg																
	Perylene	198-55-0	mg/kg																
	Phenanthrene, 1-methyl-	832-69-9	mg/kg																
	Phenanthrene, 2,3-dimethyl-	3674-65-5	mg/kg																
	Phenanthrene, 2,5-dimethyl-	3674-66-6	mg/kg																
	Phenanthrene, 2-methyl-	2531-84-2	mg/kg																
	Phenol, (1,1,3,3-tetramethylbutyl)-	27193-28-8	mg/kg																
	Phenol, 2-(phenylmethyl)-	28994-41-4	mg/kg																
	Phenol, 4-(1,1-dimethylethyl)-	98-54-4	mg/kg																
	Phenol, 4-(phenylmethyl)-	101-53-1	mg/kg																
	Phenyltoloxamine	92-12-6	mg/kg																
	p-Isopropyltoluene	99-87-6	mg/kg																
	p-Xylene	106-42-3	mg/kg																
	Pyrene, 1-methyl-	2381-21-7	mg/kg																
	Pyrene, 4-methyl-	1276/3353	mg/kg																
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg																
	trans-Decahydronaphthalene	493-02-7	mg/kg																
	Tricyclo[3.3.3.0(1,5)]undecane, 2,8,9-tri	15277-97-1	mg/kg																
	Triphenylene, 2-methyl-	1705-84-6	mg/kg																
	Triphenylphosphine oxide	791-28-6	mg/kg																
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	mg/kg		R		R		R		R		R		R		R		R
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	mg/kg	0.18	JN											0.21	JN		
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	mg/kg	0.17	JN														
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	mg/kg	0.15	JN														
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	mg/kg																
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	mg/kg																
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	mg/kg																
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	mg/kg																
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	mg/kg																
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	mg/kg																
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	mg/kg																
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	mg/kg																

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date Sample ID Depth Interval				SR-4		SR-5		T-1		T-2		T-3		T-4		T-5		T-5	
				8/7/2013 11:00		8/23/2013 9:00		8/23/2013 14:20		8/13/2013 10:40		8/15/2013 14:45		8/19/2013 9:30		8/15/2013 15:15		8/16/2013 14:00	
				TMW-SR4 (8-10)(080713)		TMW-SR5 (4-5.2)(082313)		TMW-T1 (6-8)(082313)		TMW-T2 (12-14)(081313)		TMW-T3 (7.6-8.2)(081513)		TMW-T4 (6-10)(081913)		TMW-T5 (12-14)(081513)		TMW-T5 (28-30)(081613)	
				8 - 10 ft		4 - 5.2 ft		6 - 8 ft		12 - 14 ft		7.6 - 8.2 ft		6 - 10 ft		12 - 14 ft		28 - 30 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC	(-).beta.-Pinene	18172-67-3	mg/kg																
	.alpha.-Pinene	80-56-8	mg/kg											0.59	JN				
	.beta.-Pinene	127-91-3	mg/kg																
	1,2,3,4-Tetramethylbenzene	488-23-3	mg/kg																
	1,2,3-Trimethylbenzene	526-73-8	mg/kg																
	1,2,4,5-Tetramethylbenzene	95-93-2	mg/kg																
	1,2,4-Trithiolane	289-16-7	mg/kg																
	1,3-Cyclopentadiene, 1,2,3,4-tetramethyl-	76089-59-3	mg/kg																
	1,4-Methanonaphthalene, 1,4-dihydro-	4453-90-1	mg/kg																
	1-Heptene	592-76-7	mg/kg																
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg																
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg																
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	mg/kg																
	1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	mg/kg																
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	mg/kg																
	1H-Indene, 2,3-dihydro-2,2-dimethyl-	20836-11-7	mg/kg																
	1-Pentene	109-67-1	mg/kg																
	1-Propene, 1,2-dichloro-	563-54-2	mg/kg																
	1-Propene, 3-chloro-	107-05-1	mg/kg																
	1R-.alpha.-Pinene	7785-70-8	mg/kg																
	2,4-Dithiapentane	1618-26-4	mg/kg													0.0096	JN		
	2-Chlorotoluene	95-49-8	mg/kg																
	2-Ethyltoluene	611-14-3	mg/kg																
	2-Isopropyltoluene	527-84-4	mg/kg																
	2-Methylnaphthalene	91-57-6	mg/kg							0.016	JN								
	2-Pentanone	107-87-9	mg/kg																
	2-Propenal, 2-methyl-	78-85-3	mg/kg													0.0054	JN		
	3-Methylbenzothiophene	1455-18-1	mg/kg																
	3-Penten-2-one, 4-methyl-	141-79-7	mg/kg																
	4-Chlorotoluene	106-43-4	mg/kg																
	4-Nonanone, 2,6,8-trimethyl-	123-18-2	mg/kg																
	Benzenamine, 2-chloro-N,N-dimethyl-	698-01-1	mg/kg																
	Benzenamine, N,N,2-trimethyl-	609-72-3	mg/kg																
	Benzene, (2-methyl-1-propenyl)-	768-49-0	mg/kg																
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg																
	Benzene, 1-ethenyl-2-methyl-	611-15-4	mg/kg																
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	mg/kg																
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	mg/kg																
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	mg/kg																
	Benzeneacetaldehyde, .alpha.-methyl-	93-53-8	mg/kg																
	Benzocycloheptatriene	264-09-5	mg/kg																
	Butane, 2-methyl-	78-78-4	mg/kg																
	Camphene	79-92-5	mg/kg																
	Cyclopentane, 1,3,5-trimethyl-, (1alpha,2alpha,3beta)-	15890-40-1	mg/kg											1.3	JN				
	Cyclohexane, 1,3,5-trimethyl-, (1alpha,3alpha,5beta)-	1795-26-2	mg/kg																
	Cyclohexane, 1-methyl-4-(1-methylethyl)-	99-82-1	mg/kg																
	Cyclopentane	287-92-3	mg/kg																
	Cyclopentane, 1,2,4-trimethyl-	2815-58-9	mg/kg																
	Cyclopentane, 1,2,4-trimethyl-, (1alpha,2beta,4alpha)-	16883-48-0	mg/kg											1.5	JN				
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg									0.0044	JN						
	D-Limonene	5989-27-5	mg/kg																

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		SR-4	SR-5	T-1	T-2	T-3	T-4	T-5	T-5
				Sample Date		8/7/2013 11:00	8/23/2013 9:00	8/23/2013 14:20	8/13/2013 10:40	8/15/2013 14:45	8/19/2013 9:30	8/15/2013 15:15	8/16/2013 14:00
				Sample ID		TMW-SR4 (8-10)(080713)	TMW-SR5 (4-5.2)(082313)	TMW-T1 (6-8)(082313)	TMW-T2 (12-14)(081313)	TMW-T3 (7.6-8.2)(081513)	TMW-T4 (6-10)(081913)	TMW-T5 (12-14)(081513)	TMW-T5 (28-30)(081613)
				Depth Interval		8 - 10 ft	4 - 5.2 ft	6 - 8 ft	12 - 14 ft	7.6 - 8.2 ft	6 - 10 ft	12 - 14 ft	28 - 30 ft
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC (Cont.)	Epichlorohydrin	106-89-8	mg/kg								3.9	EJ	
	Hexane, 2,4-dimethyl-	589-43-5	mg/kg										
	Hexane, 2-methyl-	591-76-4	mg/kg										
	Hexane, 3-methyl-	589-34-4	mg/kg								2	JN	
	Limonene	138-86-3	mg/kg										
	Methacrylonitrile	126-98-7	mg/kg								1.3	EJ	
	Methyl methacrylate	80-62-6	mg/kg								0.91	EJ	
	N,N-Dimethylaniline	121-69-7	mg/kg										
	Naphthalene, decahydro-	91-17-8	mg/kg										
	n-Pentane	109-66-0	mg/kg										
	N-Propylbenzene	103-65-1	mg/kg										
	n-Undecane	1120-21-4	mg/kg										
	Octane, 2,6-dimethyl-	2051-30-1	mg/kg										
	Pentane, 2,3,4-trimethyl-	565-75-3	mg/kg										
	Pentane, 2,3-dimethyl-	565-59-3	mg/kg										
	Pentane, 2,4-dimethyl-	108-08-7	mg/kg										
	Pentane, 3-ethyl-	617-78-7	mg/kg										
	Propanal, 2-methyl-	78-84-2	mg/kg									0.033	JN
	Silanol, trimethyl-	1066-40-6	mg/kg										0.039
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg										JN
	trans-Decahydronaphthalene	493-02-7	mg/kg										
	Triethylamine	121-44-8	mg/kg										
	Undecane, 5,6-dimethyl-	17615-91-7	mg/kg										
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	mg/kg	0.16	JN			0.012	JN		0.49	JN	0.84
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	mg/kg								0.48	JN	0.067
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	mg/kg									0.02	JN
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	mg/kg									0.018	JN
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	mg/kg									0.011	JN
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	mg/kg									0.0056	JN
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	mg/kg									0.0053	JN
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	mg/kg										
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	mg/kg										
SVOCs Method SW8270C/D TIC	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg		R		R			R			0.42
	1,1,2-Trichloroethane	79-00-5	mg/kg										JN
	1,2,4-Trichlorobenzene	120-82-1	mg/kg										
	1,3,5-Trimethylbenzene	108-67-8	mg/kg										
	1H-Benzo[a]fluorene	238-84-6	mg/kg										
	1H-Benzo[b]fluorene	243-17-4	mg/kg								0.74	JN	
	1H-Cyclopropa[1]phenanthrene, 1a,9b-dihydro-	949-41-7	mg/kg					0.31	JN				
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg										
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg										
	1H-Indene, 2-phenyl-	4505-48-0	mg/kg								0.79	JN	
	1-Phenyl-1-butene	824-90-8	mg/kg										
	1R- alpha -Pinene	7785-70-8	mg/kg								1.4	JN	
	2,8,9-Trioxa-5-aza-1-borabicyclo[3.3.3]undecane	283-56-7	mg/kg										
	2-Cyclohexen-1-one	930-68-7	mg/kg	0.24	JN								
	2-Isopropyltoluene	527-84-4	mg/kg										
	2-Octene	111-67-1	mg/kg										
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	mg/kg	0.37	JN								
	4H-Cyclopenta[def]phenanthrene	203-64-5	mg/kg						0.44	JN			
	4-Isopropyl-2,2,5,5-tetramethyl-3-imidaz	72342-96-2	mg/kg										

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date Sample ID Depth Interval				SR-4		SR-5		T-1		T-2		T-3		T-4		T-5		T-5	
				8/7/2013 11:00		8/23/2013 9:00		8/23/2013 14:20		8/13/2013 10:40		8/15/2013 14:45		8/19/2013 9:30		8/15/2013 15:15		8/16/2013 14:00	
				TMW-SR4 (8-10)(080713)		TMW-SR5 (4-5.2)(082313)		TMW-T1 (6-8)(082313)		TMW-T2 (12-14)(081313)		TMW-T3 (7.6-8.2)(081513)		TMW-T4 (6-10)(081913)		TMW-T5 (12-14)(081513)		TMW-T5 (28-30)(081613)	
				8 - 10 ft		4 - 5.2 ft		6 - 8 ft		12 - 14 ft		7.6 - 8.2 ft		6 - 10 ft		12 - 14 ft		28 - 30 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	7,12-Dimethylbenz(a)anthracene	57-97-6	mg/kg																
	7H-Benzo(c)fluorene	205-12-9	mg/kg											0.99	JN				
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	mg/kg																
	9H-Fluorene, 2-methyl-	1430-97-3	mg/kg																
	9-Octadecenamide, (Z)-	301-02-0	mg/kg					1.5	J							2.9	J		
	Anthracene, 1-methyl-	610-48-0	mg/kg																
	Anthracene, 2-methyl-	613-12-7	mg/kg																
	Anthracene, 9-methyl-	779-02-2	mg/kg							0.39	JN								
	Benzaldehyde, 4-(dimethylamino)-	100-10-7	mg/kg																
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg																
	Benzene, 1,2-diethyl-	135-01-3	mg/kg																
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	mg/kg																
	Benzene, 1-methyl-3-propyl-	1074-43-7	mg/kg																
	Benzene, 1-methyl-4-(2-propenyl)-	3333-13-9	mg/kg																
	Benzo(b)naphtho[2,1-d]furan	239-30-5	mg/kg																
	Benzo(b)naphtho[2,3-d]furan	243-42-5	mg/kg																
	Benzo(e)pyrene	192-97-2	mg/kg																
	Benzo(k)xanthene	200-23-7	mg/kg																
	Benzoic acid	65-85-0	mg/kg													0.53	J		
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	mg/kg	2.2	JN	1.1	JN												
	Cyclohexane, (2-methylpropyl)-	1678-98-4	mg/kg																
	Cyclohexanone	108-94-1	mg/kg			0.64	JN												
	Cyclohexasiloxane, dodecamethyl-	540-97-6	mg/kg																
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg																
	Decane, 4-methyl-	2847-72-5	mg/kg																
	Di(2-ethylhexyl) Adipate	103-23-1	mg/kg			0.53	JN	0.52	JN										
	Dibenzothiophene	132-65-0	mg/kg																
	Dibenzothiophene, 3-methyl-	16587-52-3	mg/kg																
	Diphenyl ether	101-84-8	mg/kg																
	Fluoranthene, 2-methyl-	33543-31-6	mg/kg																
	Formylmethylenetriphenylphosphorane	28900-91-6	mg/kg			2.1	JN												
	Methanethione, bis[4-(dimethylamino)phenyl]-	1226-46-6	mg/kg																
	Methanone, bis[4-(dimethylamino)phenyl]-	90-94-8	mg/kg																
	Methylene Chloride	75-09-2	mg/kg																
	m-Xylene	108-38-3	mg/kg																
	Naphthalene, 1,6-dimethyl-	575-43-9	mg/kg																
	Naphthalene, 1-ethoxy-	1/8/5328	mg/kg																
	Naphthalene, 1-phenyl-	605-02-7	mg/kg																
	Naphthalene, 2,3-dimethyl-	581-40-8	mg/kg																
	Naphthalene, 2,6-dimethyl-	581-42-0	mg/kg																
	Naphthalene, 2-phenyl-	612-94-2	mg/kg																
	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	16587-34-1	mg/kg																
	n-Butylbenzene	104-51-8	mg/kg																
	n-Dodecane	112-40-3	mg/kg																
	n-Heneicosane	629-94-7	mg/kg																
	n-Heptadecane	629-78-7	mg/kg																
	n-Hexadecane	544-76-3	mg/kg																
	n-Hexadecanoic acid	57-10-3	mg/kg																
	N-Nitrosodimethylamine	62-75-9	mg/kg																
	N-Nitrosomethylethylamine	10595-95-6	mg/kg																
	n-Octadecane	593-45-3	mg/kg																

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date Sample ID Depth Interval				SR-4		SR-5		T-1		T-2		T-3		T-4		T-5		T-5	
				8/7/2013 11:00		8/23/2013 9:00		8/23/2013 14:20		8/13/2013 10:40		8/15/2013 14:45		8/19/2013 9:30		8/15/2013 15:15		8/16/2013 14:00	
				TMW-SR4 (8-10)(080713)		TMW-SR5 (4-5.2)(082313)		TMW-T1 (6-8)(082313)		TMW-T2 (12-14)(081313)		TMW-T3 (7.6-8.2)(081513)		TMW-T4 (6-10)(081913)		TMW-T5 (12-14)(081513)		TMW-T5 (28-30)(081613)	
				8 - 10 ft		4 - 5.2 ft		6 - 8 ft		12 - 14 ft		7.6 - 8.2 ft		6 - 10 ft		12 - 14 ft		28 - 30 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Nonane, 2,6-dimethyl-	17302-28-2	mg/kg																
	n-Pentacosane	629-99-2	mg/kg																
	n-Tetracosane	646-31-1	mg/kg																
	n-Tridecane	629-50-5	mg/kg																
	n-Undecane	1120-21-4	mg/kg																
	Octanoic Acid	124-07-2	mg/kg																
	Oxime-, methoxy-phenyl-	1000222-86-6	mg/kg																
	o-Xylene	95-47-6	mg/kg																
	Perylene	198-55-0	mg/kg																
	Phenanthrene, 1-methyl-	832-69-9	mg/kg																
	Phenanthrene, 2,3-dimethyl-	3674-65-5	mg/kg							0.35	JN								
	Phenanthrene, 2,5-dimethyl-	3674-66-6	mg/kg																
	Phenanthrene, 2-methyl-	2531-84-2	mg/kg																
	Phenol, (1,1,3,3-tetramethylbutyl)-	27193-28-8	mg/kg																
	Phenol, 2-(phenylmethyl)-	28994-41-4	mg/kg																
	Phenol, 4-(1,1-dimethylethyl)-	98-54-4	mg/kg																
	Phenol, 4-(phenylmethyl)-	101-53-1	mg/kg																
	Phenyltoloxamine	92-12-6	mg/kg																
	p-Isopropyltoluene	99-87-6	mg/kg																
	p-Xylene	106-42-3	mg/kg																
	Pyrene, 1-methyl-	2381-21-7	mg/kg							0.23	JN								
	Pyrene, 4-methyl-	12/6/3353	mg/kg							0.15	JN								
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg																
	trans-Decahydronaphthalene	493-02-7	mg/kg																
	Tricyclo[3.3.3.0(1,5)]undecane, 2,8,9-tri	15277-97-1	mg/kg																
	Triphenylene, 2-methyl-	1705-84-6	mg/kg																
	Triphenylphosphine oxide	791-28-6	mg/kg					2	JN										R
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	mg/kg		R		R		R			R		3.4	JN	1.3	JN		R
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	mg/kg	0.49	JN	0.78	JN			0.24	JN			3.4	JN	1.3	JN	1.2	JN
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	mg/kg	0.33	JN					0.21	JN			2.5	JN		R	0.63	JN
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	mg/kg	0.18	JN									2	JN	0.49	JN		
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	mg/kg											1.6	JN	0.2	JN		
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	mg/kg											1.5	JN	0.18	JN		
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	mg/kg											1.3	JN	0.17	JN		
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	mg/kg											1.2	JN	0.16	JN		
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	mg/kg											1	JN	0.15	JN		
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	mg/kg											0.71	JN				
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	mg/kg																
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	mg/kg																

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		T-6		T-7		T-8		T-9		T-10		T-11		T-12	
				Sample Date		8/19/2013 14:40		8/22/2013 11:00		8/21/2013 15:00		8/20/2013 11:00		8/14/2013 13:45		8/15/2013 9:30		8/20/2013 15:30	
				Sample ID		TMW-T6 (15-17)(081913)		TMW-T7 (9-11)(082213)		SB-T8 (14-18)(082113)		TMW-T9 (16-18)(082013)		TMW-T10 (5-7.5)(081413)		TMW-T11 (6-7)(081513)		TMW-T12 (6-8)(082013)	
				Depth Interval		15 - 17 ft		9 - 11 ft		14 - 18 ft		16 - 18 ft		5 - 7.5 ft		6 - 7 ft		6 - 8 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC	(-)-.beta.-Pinene	18172-67-3	mg/kg																
	.alpha.-Pinene	80-56-8	mg/kg																
	.beta.-Pinene	127-91-3	mg/kg																
	1,2,3,4-Tetramethylbenzene	488-23-3	mg/kg																
	1,2,3-Trimethylbenzene	526-73-8	mg/kg																
	1,2,4,5-Tetramethylbenzene	95-93-2	mg/kg																
	1,2,4-Trithiolane	289-16-7	mg/kg																
	1,3-Cyclopentadiene, 1,2,3,4-tetramethyl-	76089-59-3	mg/kg																
	1,4-Methanonaphthalene, 1,4-dihydro-	4453-90-1	mg/kg																
	1-Heptene	592-76-7	mg/kg																
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg																
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg																
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	mg/kg																
	1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	mg/kg																
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	mg/kg																
	1H-Indene, 2,3-dihydro-2,2-dimethyl-	20836-11-7	mg/kg																
	1-Pentene	109-67-1	mg/kg																
	1-Propene, 1,2-dichloro-	563-54-2	mg/kg																
	1-Propene, 3-chloro-	107-05-1	mg/kg																
	1R-.alpha.-Pinene	7785-70-8	mg/kg																
	2,4-Dithiapentane	1618-26-4	mg/kg																
	2-Chlorotoluene	95-49-8	mg/kg											0.0012	J				
	2-Ethyltoluene	611-14-3	mg/kg																
	2-Isopropyltoluene	527-84-4	mg/kg																
	2-Methylnaphthalene	91-57-6	mg/kg																
	2-Pentanone	107-87-9	mg/kg																
	2-Propenal, 2-methyl-	78-85-3	mg/kg																
	3-Methylbenzothiophene	1455-18-1	mg/kg																
	3-Penten-2-one, 4-methyl-	141-79-7	mg/kg									0.009	JN						
	4-Chlorotoluene	106-43-4	mg/kg											0.0008	J				
	4-Nonanone, 2,6,8-trimethyl-	123-18-2	mg/kg											0.021	JN				
	Benzenamine, 2-chloro-N,N-dimethyl-	698-01-1	mg/kg																
	Benzenamine, N,N,2-trimethyl-	609-72-3	mg/kg																
	Benzene, (2-methyl-1-propenyl)-	768-49-0	mg/kg																
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg																
	Benzene, 1-ethenyl-2-methyl-	611-15-4	mg/kg																
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	mg/kg																
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	mg/kg																
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	mg/kg																
	Benzeneacetaldehyde, .alpha.-methyl-	93-53-8	mg/kg																
	Benzocycloheptatriene	264-09-5	mg/kg																
	Butane, 2-methyl-	78-78-4	mg/kg																
	Camphene	79-92-5	mg/kg																
	Cyclopentane, 1,3,5-trimethyl-, (1.alpha.,2.alpha.,3.beta.)	15890-40-1	mg/kg																
	Cyclohexane, 1,3,5-trimethyl-, (1.alpha.,3.alpha.,5.beta.)	1795-26-2	mg/kg															0.029	JN
	Cyclohexane, 1-methyl-4-(1-methylethyl)-	99-82-1	mg/kg																
	Cyclopentane	287-92-3	mg/kg			0.0077	JN												
	Cyclopentane, 1,2,4-trimethyl-	2815-58-9	mg/kg																
	Cyclopentane, 1,2,4-trimethyl-, (1.alpha.,2.beta.,4.alpha.)	16883-48-0	mg/kg																
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg																
	D-Limonene	5989-27-5	mg/kg																

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

			Location	T-6		T-7		T-8		T-9		T-10		T-11		T-12	
			Sample Date	8/19/2013 14:40		8/22/2013 11:00		8/21/2013 15:00		8/20/2013 11:00		8/14/2013 13:45		8/15/2013 9:30		8/20/2013 15:30	
			Sample ID	TMW-T6 (15-17)(081913)		TMW-T7 (9-11)(082213)		SB-T8 (14-18)(082113)		TMW-T9 (16-18)(082013)		TMW-T10 (5-7.5)(081413)		TMW-T11 (6-7)(081513)		TMW-T12 (6-8)(082013)	
			Depth Interval	15 - 17 ft		9 - 11 ft		14 - 18 ft		16 - 18 ft		5 - 7.5 ft		6 - 7 ft		6 - 8 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC (Cont.)	Epichlorohydrin	106-89-8	mg/kg														
	Hexane, 2,4-dimethyl-	589-43-5	mg/kg														
	Hexane, 2-methyl-	591-76-4	mg/kg														
	Hexane, 3-methyl-	589-34-4	mg/kg														
	Limonene	138-86-3	mg/kg														
	Methacrylonitrile	126-98-7	mg/kg														
	Methyl methacrylate	80-62-6	mg/kg														
	N,N-Dimethylaniline	121-69-7	mg/kg														
	Naphthalene, decahydro-	91-17-8	mg/kg														
	n-Pentane	109-66-0	mg/kg														
	N-Propylbenzene	103-65-1	mg/kg														
	n-Undecane	1120-21-4	mg/kg														
	Octane, 2,6-dimethyl-	2051-30-1	mg/kg														
	Pentane, 2,3,4-trimethyl-	565-75-3	mg/kg														
	Pentane, 2,3-dimethyl-	565-59-3	mg/kg														
	Pentane, 2,4-dimethyl-	108-08-7	mg/kg														
	Pentane, 3-ethyl-	617-78-7	mg/kg														
	Propanal, 2-methyl-	78-84-2	mg/kg														
	Silanol, trimethyl-	1066-40-6	mg/kg					0.069	JN	0.026	JN						
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg														
	trans-Decahydronaphthalene	493-02-7	mg/kg														
	Triethylamine	121-44-8	mg/kg														
	Undecane, 5,6-dimethyl-	17615-91-7	mg/kg														
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	mg/kg	0.0051	JN	0.0058	JN			0.018	JN	0.0076	JN	0.0076	JN	0.07	JN
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	mg/kg													0.046	JN
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	mg/kg													0.037	JN
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	mg/kg													0.035	JN
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	mg/kg													0.031	JN
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	mg/kg													0.027	JN
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	mg/kg													0.021	JN
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	mg/kg													0.02	JN
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	mg/kg													0.019	JN
SVOCs Method SW8270C/D TIC	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg		R			0.43	JN		R		R		R		
	1,1,2-Trichloroethane	79-00-5	mg/kg														
	1,2,4-Trichlorobenzene	120-82-1	mg/kg														
	1,3,5-Trimethylbenzene	108-67-8	mg/kg														
	1H-Benzo[a]fluorene	238-84-6	mg/kg														
	1H-Benzo[b]fluorene	243-17-4	mg/kg														
	1H-Cyclopropa[1]phenanthrene, 1a,9b-dihydro-	949-41-7	mg/kg														
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg														
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg														
	1H-Indene, 2-phenyl-	4505-48-0	mg/kg														
	1-Phenyl-1-butene	824-90-8	mg/kg														
	1R-.alpha.-Pinene	7785-70-8	mg/kg														
	2,8,9-Trioxa-5-aza-1-borabicyclo[3.3.3]undecane	283-56-7	mg/kg														
	2-Cyclohexen-1-one	930-68-7	mg/kg														
	2-Isopropyltoluene	527-84-4	mg/kg														
	2-Octene	111-67-1	mg/kg														
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	mg/kg														
	4H-Cyclopenta[def]phenanthrene	203-64-5	mg/kg													1.3	JN
	4-Isopropyl-2,2,5,5-tetramethyl-3-imidaz	72342-96-2	mg/kg														

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		T-6		T-7		T-8		T-9		T-10		T-11		T-12	
				Sample Date		8/19/2013 14:40		8/22/2013 11:00		8/21/2013 15:00		8/20/2013 11:00		8/14/2013 13:45		8/15/2013 9:30		8/20/2013 15:30	
				Sample ID		TMW-T6 (15-17)(081913)		TMW-T7 (9-11)(082213)		SB-T8 (14-18)(082113)		TMW-T9 (16-18)(082013)		TMW-T10 (5-7.5)(081413)		TMW-T11 (6-7)(081513)		TMW-T12 (6-8)(082013)	
				Depth Interval		15 - 17 ft		9 - 11 ft		14 - 18 ft		16 - 18 ft		5 - 7.5 ft		6 - 7 ft		6 - 8 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	7,12-Dimethylbenz(a)anthracene	57-97-6	mg/kg																
	7H-Benzo(c)fluorene	205-12-9	mg/kg																
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	mg/kg																
	9H-Fluorene, 2-methyl-	1430-97-3	mg/kg																
	9-Octadecenamide, (Z)-	301-02-0	mg/kg																
	Anthracene, 1-methyl-	610-48-0	mg/kg																
	Anthracene, 2-methyl-	613-12-7	mg/kg																
	Anthracene, 9-methyl-	779-02-2	mg/kg																
	Benzaldehyde, 4-(dimethylamino)-	100-10-7	mg/kg																
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg																
	Benzene, 1,2-diethyl-	135-01-3	mg/kg																
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	mg/kg																
	Benzene, 1-methyl-3-propyl-	1074-43-7	mg/kg																
	Benzene, 1-methyl-4-(2-propenyl)-	3333-13-9	mg/kg																
	Benzo(b)naphtho[2,1-d]furan	239-30-5	mg/kg																
	Benzo(b)naphtho[2,3-d]furan	243-42-5	mg/kg																
	Benzo(e)pyrene	192-97-2	mg/kg																
	Benzo(k)xanthene	200-23-7	mg/kg																
	Benzoic acid	65-85-0	mg/kg																
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	mg/kg																
	Cyclohexane, (2-methylpropyl)-	1678-98-4	mg/kg																
	Cyclohexanone	108-94-1	mg/kg																
	Cyclohexasiloxane, dodecamethyl-	540-97-6	mg/kg																
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg																
	Decane, 4-methyl-	2847-72-5	mg/kg																
	Di(2-ethylhexyl) Adipate	103-23-1	mg/kg									0.57	JN						
	Dibenzothiophene	132-65-0	mg/kg																
	Dibenzothiophene, 3-methyl-	16587-52-3	mg/kg																
	Diphenyl ether	101-84-8	mg/kg																
	Fluoranthene, 2-methyl-	33543-31-6	mg/kg																
	Formylmethylenetriphenylphosphorane	28900-91-6	mg/kg																
	Methanethione, bis[4-(dimethylamino)phenyl]-	1226-46-6	mg/kg																
	Methanone, bis[4-(dimethylamino)phenyl]-	90-94-8	mg/kg																
	Methylene Chloride	75-09-2	mg/kg																
	m-Xylene	108-38-3	mg/kg																
	Naphthalene, 1,6-dimethyl-	575-43-9	mg/kg																
	Naphthalene, 1-ethoxy-	1/8/5328	mg/kg																
	Naphthalene, 1-phenyl-	605-02-7	mg/kg																
	Naphthalene, 2,3-dimethyl-	581-40-8	mg/kg																
	Naphthalene, 2,6-dimethyl-	581-42-0	mg/kg																
	Naphthalene, 2-phenyl-	612-94-2	mg/kg																
	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	16587-34-1	mg/kg																
	n-Butylbenzene	104-51-8	mg/kg																
	n-Dodecane	112-40-3	mg/kg																
	n-Heneicosane	629-94-7	mg/kg																
	n-Heptadecane	629-78-7	mg/kg																
	n-Hexadecane	544-76-3	mg/kg																
	n-Hexadecanoic acid	57-10-3	mg/kg																
	N-Nitrosodimethylamine	62-75-9	mg/kg																
	N-Nitrosomethylethylamine	10595-95-6	mg/kg																
	n-Octadecane	593-45-3	mg/kg																

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		T-6		T-7		T-8		T-9		T-10		T-11		T-12	
				Sample Date		8/19/2013 14:40		8/22/2013 11:00		8/21/2013 15:00		8/20/2013 11:00		8/14/2013 13:45		8/15/2013 9:30		8/20/2013 15:30	
				Sample ID		TMW-T6 (15-17)(081913)		TMW-T7 (9-11)(082213)		SB-T8 (14-18)(082113)		TMW-T9 (16-18)(082013)		TMW-T10 (5-7.5)(081413)		TMW-T11 (6-7)(081513)		TMW-T12 (6-8)(082013)	
				Depth Interval		15 - 17 ft		9 - 11 ft		14 - 18 ft		16 - 18 ft		5 - 7.5 ft		6 - 7 ft		6 - 8 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Nonane, 2,6-dimethyl-	17302-28-2	mg/kg																
	n-Pentacosane	629-99-2	mg/kg																
	n-Tetracosane	646-31-1	mg/kg																
	n-Tridecane	629-50-5	mg/kg																
	n-Undecane	1120-21-4	mg/kg																
	Octanoic Acid	124-07-2	mg/kg																
	Oxime-, methoxy-phenyl-	1000222-86-6	mg/kg																
	o-Xylene	95-47-6	mg/kg																
	Perylene	198-55-0	mg/kg																
	Phenanthrene, 1-methyl-	832-69-9	mg/kg																
	Phenanthrene, 2,3-dimethyl-	3674-65-5	mg/kg																
	Phenanthrene, 2,5-dimethyl-	3674-66-6	mg/kg																
	Phenanthrene, 2-methyl-	2531-84-2	mg/kg																
	Phenol, (1,1,3,3-tetramethylbutyl)-	27193-28-8	mg/kg																
	Phenol, 2-(phenylmethyl)-	28994-41-4	mg/kg																
	Phenol, 4-(1,1-dimethylethyl)-	98-54-4	mg/kg																
	Phenol, 4-(phenylmethyl)-	101-53-1	mg/kg																
	Phenyltoloxamine	92-12-6	mg/kg																
	p-Isopropyltoluene	99-87-6	mg/kg																
	p-Xylene	106-42-3	mg/kg																
	Pyrene, 1-methyl-	2381-21-7	mg/kg																
	Pyrene, 4-methyl-	12/6/3353	mg/kg																
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg																
	trans-Decahydronaphthalene	493-02-7	mg/kg																
	Tricyclo[3.3.3.0(1,5)]undecane, 2,8,9-tr	15277-97-1	mg/kg																
	Triphenylene, 2-methyl-	1705-84-6	mg/kg																
	Triphenylphosphine oxide	791-28-6	mg/kg										R						R
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	mg/kg		R				R				R			R		2.2	JN
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	mg/kg			0.17	JN					0.19	JN	0.16	JN			2.2	JN
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	mg/kg															1.8	JN
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	mg/kg																R
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	mg/kg															1.2	JN
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	mg/kg															0.98	JN
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	mg/kg															0.82	JN
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	mg/kg															0.8	JN
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	mg/kg																
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	mg/kg																
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	mg/kg																
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	mg/kg																

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		T-13		T-14		T-15		T-16		T-17		T-18							
				Sample Date		8/21/2013 10:25		8/21/2013 10:25		8/21/2013 15:15		8/8/2013 9:20		8/27/2013 11:30		8/26/2013 11:45		8/28/2013 10:00		8/28/2013 0:00			
						Sample ID		TMW-T13 (4-6)(082113)		FD-04 (082113)		SB-T14 (8-10)(082113)		TMW-T15 (2-4)(080813)		TMW-T16 (8-10)(082713)		TMW-T17 (4-6)(082613)		TMW-T18 (6-9)(082813)		FD05-(082813)	
								Depth Interval		4 - 6 ft		4 - 6 ft		8 - 10 ft		2 - 4 ft		8 - 10 ft		4 - 6 ft		6 - 9 ft	
Method	Analyte		CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual			
VOCs	(-)-.beta.-Pinene		18172-67-3	mg/kg																			
Method SW8260B/C TIC	.alpha.-Pinene		80-56-8	mg/kg																			
	.beta.-Pinene		127-91-3	mg/kg																			
	1,2,3,4-Tetramethylbenzene		488-23-3	mg/kg																			
	1,2,3-Trimethylbenzene		526-73-8	mg/kg																			
	1,2,4,5-Tetramethylbenzene		95-93-2	mg/kg																			
	1,2,4-Trithiolane		289-16-7	mg/kg																			
	1,3-Cyclopentadiene, 1,2,3,4-tetramethyl-		76089-59-3	mg/kg																			
	1,4-Methanonaphthalene, 1,4-dihydro-		4453-90-1	mg/kg																			
	1-Heptene		592-76-7	mg/kg																			
	1H-Indene, 2,3-dihydro-1,2-dimethyl-		17057-82-8	mg/kg																			
	1H-Indene, 2,3-dihydro-1,6-dimethyl-		17059-48-2	mg/kg																			
	1H-Indene, 2,3-dihydro-1-methyl-		767-58-8	mg/kg																			
	1H-Indene, 2,3-dihydro-4,7-dimethyl-		6682-71-9	mg/kg																			
	1H-Indene, 2,3-dihydro-4-methyl-		824-22-6	mg/kg																			
	1H-Indene,2,3-dihydro-2,2-dimethyl-		20836-11-7	mg/kg																			
	1-Pentene		109-67-1	mg/kg																			
	1-Propene, 1,2-dichloro-		563-54-2	mg/kg																			
	1-Propene, 3-chloro-		107-05-1	mg/kg																			
	1R-.alpha.-Pinene		7785-70-8	mg/kg																			
	2,4-Dithiapentane		1618-26-4	mg/kg																			
	2-Chlorotoluene		95-49-8	mg/kg																			
	2-Ethyltoluene		611-14-3	mg/kg																			
	2-Isopropyltoluene		527-84-4	mg/kg																			
	2-Methylnaphthalene		91-57-6	mg/kg																			
	2-Pentanone		107-87-9	mg/kg																			
	2-Propenal, 2-methyl-		78-85-3	mg/kg																			
	3-Methylbenzothiophene		1455-18-1	mg/kg																			
	3-Penten-2-one, 4-methyl-		141-79-7	mg/kg																			
	4-Chlorotoluene		106-43-4	mg/kg																			
	4-Nonanone, 2,6,8-trimethyl-		123-18-2	mg/kg																			
	Benzenamine, 2-chloro-N,N-dimethyl-		698-01-1	mg/kg																			
	Benzenamine, N,N,2-trimethyl-		609-72-3	mg/kg																			
	Benzene, (2-methyl-1-propenyl)-		768-49-0	mg/kg																			
	Benzene, (3-methyl-2-butenyl)-		4489-84-3	mg/kg																			
	Benzene, 1-ethenyl-2-methyl-		611-15-4	mg/kg																			
	Benzene, 2-ethenyl-1,4-dimethyl-		2039-89-6	mg/kg																			
	Benzene, 2-ethyl-1,4-dimethyl-		1758-88-9	mg/kg																			
	Benzene, 4-ethyl-1,2-dimethyl-		934-80-5	mg/kg																			
	Benzeneacetaldehyde, .alpha.-methyl-		93-53-8	mg/kg																			
	Benzocycloheptatriene		264-09-5	mg/kg																			
	Butane, 2-methyl-		78-78-4	mg/kg																			
	Camphene		79-92-5	mg/kg																			
	Cyclopentane, 1,3,5-trimethyl-, (1alpha,2alpha,3beta)-		15890-40-1	mg/kg																			
	Cyclohexane, 1,3,5-trimethyl-, (1alpha,3alpha,5beta)-		1795-26-2	mg/kg																			
	Cyclohexane, 1-methyl-4-(1-methylethyl)-		99-82-1	mg/kg											0.0087	JN							
	Cyclopentane		287-92-3	mg/kg										0.0057	JN								
	Cyclopentane, 1,2,4-trimethyl-		2815-58-9	mg/kg																			
	Cyclopentane, 1,2,4-trimethyl-, (1alpha,2beta,4alpha)-		16883-48-0	mg/kg																			
	Cyclotetrasiloxane, octamethyl-		556-67-2	mg/kg										0.0036	JN								
	D-Limonene		5989-27-5	mg/ka																			

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		T-13		T-14		T-15		T-16		T-17		T-18			
				Sample Date		8/21/2013 10:25	8/21/2013 10:25	8/21/2013 15:15	8/21/2013 15:15	8/27/2013 9:20	8/27/2013 11:30	8/27/2013 11:30	8/27/2013 11:30	8/26/2013 11:45	8/26/2013 11:45	8/28/2013 10:00	8/28/2013 10:00	8/28/2013 0:00	8/28/2013 0:00
				Sample ID		TMW-T13 (4-6)(082113)	FD-04 (082113)	SB-T14 (8-10)(082113)	SB-T14 (8-10)(082113)	TMW-T15 (2-4)(080813)	TMW-T16 (8-10)(082713)	TMW-T16 (8-10)(082713)	TMW-T16 (8-10)(082713)	TMW-T17 (4-6)(082613)	TMW-T17 (4-6)(082613)	TMW-T18 (6-9)(082813)	TMW-T18 (6-9)(082813)	FD05-(082813)	FD05-(082813)
				Depth Interval		4 - 6 ft	4 - 6 ft	8 - 10 ft	8 - 10 ft	2 - 4 ft	8 - 10 ft	8 - 10 ft	8 - 10 ft	4 - 6 ft	4 - 6 ft	6 - 9 ft	6 - 9 ft	6 - 9 ft	6 - 9 ft
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC (Cont.)	Epichlorohydrin	106-89-8	mg/kg																
	Hexane, 2,4-dimethyl-	589-43-5	mg/kg																
	Hexane, 2-methyl-	591-76-4	mg/kg																
	Hexane, 3-methyl-	589-34-4	mg/kg																
	Limonene	138-86-3	mg/kg																
	Methacrylonitrile	126-98-7	mg/kg																
	Methyl methacrylate	80-62-6	mg/kg																
	N,N-Dimethylaniline	121-69-7	mg/kg																
	Naphthalene, decahydro-	91-17-8	mg/kg																
	n-Pentane	109-66-0	mg/kg																
	N-Propylbenzene	103-65-1	mg/kg																
	n-Undecane	1120-21-4	mg/kg																
	Octane, 2,6-dimethyl-	2051-30-1	mg/kg																
	Pentane, 2,3,4-trimethyl-	565-75-3	mg/kg																
	Pentane, 2,3-dimethyl-	565-59-3	mg/kg																
	Pentane, 2,4-dimethyl-	108-08-7	mg/kg																
	Pentane, 3-ethyl-	617-78-7	mg/kg																
	Propanal, 2-methyl-	78-84-2	mg/kg																
	Silanol, trimethyl-	1066-40-6	mg/kg	0.016	JN	0.042	JN												
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg																
	trans-Decahydronaphthalene	493-02-7	mg/kg																
	Triethylamine	121-44-8	mg/kg																
	Undecane, 5,6-dimethyl-	17615-91-7	mg/kg																
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	mg/kg			0.0055	JN	0.0092	JN			0.01	JN	0.0082	JN	0.01	JN		
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	mg/kg									0.005	JN	0.0078	JN	0.0057	JN		
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	mg/kg											0.0059	JN				
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	mg/kg											0.0057	JN				
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	mg/kg																
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	mg/kg																
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	mg/kg																
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	mg/kg																
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	mg/kg																
SVOCs Method SW8270C/D TIC	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	0.18	JN														
	1,1,2-Trichloroethane	79-00-5	mg/kg													R		R	R
	1,2,4-Trichlorobenzene	120-82-1	mg/kg																
	1,3,5-Trimethylbenzene	108-67-8	mg/kg																
	11H-Benzo[a]fluorene	238-84-6	mg/kg			0.23	JN												
	11H-Benzo[b]fluorene	243-17-4	mg/kg											0.21	JN				
	1H-Cyclopropa(l)phenanthrene, 1a,9b-dihydro-	949-41-7	mg/kg																
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg																
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg																
	1H-Indene, 2-phenyl-	4505-48-0	mg/kg																
	1-Phenyl-1-butene	824-90-8	mg/kg																
	1R- alpha -Pinene	7785-70-8	mg/kg																
	2,8,9-Trioxa-5-aza-1-borabicyclo[3.3.3]undecane	283-56-7	mg/kg																
	2-Cyclohexen-1-one	930-68-7	mg/kg																
	2-Isopropyltoluene	527-84-4	mg/kg																
	2-Octene	111-67-1	mg/kg																
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	mg/kg																
	4H-Cyclopenta[def]phenanthrene	203-64-5	mg/kg																
	4-Isopropyl-2,2,5,5-tetramethyl-3-imidaz	72342-96-2	mg/kg																

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date Sample ID Depth Interval				T-13		T-14		T-15		T-16		T-17		T-18			
				8/21/2013 10:25		8/21/2013 10:25		8/21/2013 15:15		8/8/2013 9:20		8/27/2013 11:30		8/26/2013 11:45		8/28/2013 10:00	
				TMW-T13 (4-6)(082113)		FD-04 (082113)		SB-T14 (8-10)(082113)		TMW-T15 (2-4)(080813)		TMW-T16 (8-10)(082713)		TMW-T17 (4-6)(082613)		TMW-T18 (6-9)(082813)	
				4 - 6 ft		4 - 6 ft		8 - 10 ft		2 - 4 ft		8 - 10 ft		4 - 6 ft		6 - 9 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	7,12-Dimethylbenz(a)anthracene	57-97-6	mg/kg														
	7H-Benzo[c]fluorene	205-12-9	mg/kg														
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	mg/kg														
	9H-Fluorene, 2-methyl-	1430-97-3	mg/kg														
	9-Octadecenamide, (Z)-	301-02-0	mg/kg			1.1	J										
	Anthracene, 1-methyl-	610-48-0	mg/kg														
	Anthracene, 2-methyl-	613-12-7	mg/kg														
	Anthracene, 9-methyl-	779-02-2	mg/kg														
	Benzaldehyde, 4-(dimethylamino)-	100-10-7	mg/kg														
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg														
	Benzene, 1,2-diethyl-	135-01-3	mg/kg														
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	mg/kg														
	Benzene, 1-methyl-3-propyl-	1074-43-7	mg/kg														
	Benzene, 1-methyl-4-(2-propenyl)-	3333-13-9	mg/kg														
	Benzo[b]naphtho[2,1-d]furan	239-30-5	mg/kg														
	Benzo[b]naphtho[2,3-d]furan	243-42-5	mg/kg			0.27	JN										
	Benzo[e]pyrene	192-97-2	mg/kg							1.9	JN			0.43	JN		
	Benzo[k]xanthene	200-23-7	mg/kg														
	Benzoic acid	65-85-0	mg/kg														
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	mg/kg														
	Cyclohexane, (2-methylpropyl)-	1678-98-4	mg/kg														
	Cyclohexanone	108-94-1	mg/kg														
	Cyclohexasiloxane, dodecamethyl-	540-97-6	mg/kg														
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg														
	Decane, 4-methyl-	2847-72-5	mg/kg														
	Di(2-ethylhexyl) Adipate	103-23-1	mg/kg														
	Dibenzothiophene	132-65-0	mg/kg														
	Dibenzothiophene, 3-methyl-	16587-52-3	mg/kg														
	Diphenyl ether	101-84-8	mg/kg														
	Fluoranthene, 2-methyl-	33543-31-6	mg/kg							0.43	JN						
	Formylmethylenetriphenylphosphorane	28900-91-6	mg/kg													0.58	JN
	Methanethione, bis[4-(dimethylamino)phenyl]-	1226-46-6	mg/kg													0.69	JN
	Methanone, bis[4-(dimethylamino)phenyl]-	90-94-8	mg/kg														
	Methylene Chloride	75-09-2	mg/kg														
	m-Xylene	108-38-3	mg/kg													2.2	JN
	Naphthalene, 1,6-dimethyl-	575-43-9	mg/kg														
	Naphthalene, 1-ethoxy-	1/8/5328	mg/kg														
	Naphthalene, 1-phenyl-	605-02-7	mg/kg							0.72	JN						
	Naphthalene, 2,3-dimethyl-	581-40-8	mg/kg														
	Naphthalene, 2,6-dimethyl-	581-42-0	mg/kg														
	Naphthalene, 2-phenyl-	612-94-2	mg/kg														
	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	16587-34-1	mg/kg														
	n-Butylbenzene	104-51-8	mg/kg														
	n-Dodecane	112-40-3	mg/kg														
	n-Heneicosane	629-94-7	mg/kg														
	n-Heptadecane	629-78-7	mg/kg														
	n-Hexadecane	544-76-3	mg/kg														
	n-Hexadecanoic acid	57-10-3	mg/kg														
	N-Nitrosodimethylamine	62-75-9	mg/kg														
	N-Nitrosomethylethylamine	10595-95-6	mg/kg														
	n-Octadecane	593-45-3	mg/kg														

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date Sample ID Depth Interval				T-13		T-14		T-15		T-16		T-17		T-18					
				8/21/2013 10:25		8/21/2013 10:25		8/21/2013 15:15		8/8/2013 9:20		8/27/2013 11:30		8/26/2013 11:45		8/28/2013 10:00		8/28/2013 0:00	
				TMW-T13 (4-6)(082113)		FD-04 (082113)		SB-T14 (8-10)(082113)		TMW-T15 (2-4)(080813)		TMW-T16 (8-10)(082713)		TMW-T17 (4-6)(082613)		TMW-T18 (6-9)(082813)		FD05-(082813)	
				4 - 6 ft		4 - 6 ft		8 - 10 ft		2 - 4 ft		8 - 10 ft		4 - 6 ft		6 - 9 ft		6 - 9 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Nonane, 2,6-dimethyl-	17302-28-2	mg/kg																
	n-Pentacosane	629-99-2	mg/kg																
	n-Tetracosane	646-31-1	mg/kg																
	n-Tridecane	629-50-5	mg/kg																
	n-Undecane	1120-21-4	mg/kg																
	Octanoic Acid	124-07-2	mg/kg																
	Oxime-, methoxy-phenyl-	1000222-86-6	mg/kg																
	o-Xylene	95-47-6	mg/kg																
	Perylene	198-55-0	mg/kg																
	Phenanthrene, 1-methyl-	832-69-9	mg/kg																
	Phenanthrene, 2,3-dimethyl-	3674-65-5	mg/kg																
	Phenanthrene, 2,5-dimethyl-	3674-66-6	mg/kg						0.29	JN									
	Phenanthrene, 2-methyl-	2531-84-2	mg/kg																
	Phenol, (1,1,3,3-tetramethylbutyl)-	27193-28-8	mg/kg																
	Phenol, 2-(phenylmethyl)-	28994-41-4	mg/kg																
	Phenol, 4-(1,1-dimethylethyl)-	98-54-4	mg/kg																
	Phenol, 4-(phenylmethyl)-	101-53-1	mg/kg																
	Phenyltoloxamine	92-12-6	mg/kg																
	p-Isopropyltoluene	99-87-6	mg/kg																
	p-Xylene	106-42-3	mg/kg																
	Pyrene, 1-methyl-	2381-21-7	mg/kg								0.25	JN							
	Pyrene, 4-methyl-	1276-3353	mg/kg																
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg																
	trans-Decahydronaphthalene	493-02-7	mg/kg																
	Tricyclo[3.3.3.0(1,5)]undecane, 2,8,9-tri	15277-97-1	mg/kg																
	Triphenylene, 2-methyl-	1705-84-6	mg/kg								0.2	JN							
	Triphenylphosphine oxide	791-28-6	mg/kg										0.49	JN					
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	mg/kg		R		R		R		R				R		R		R
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	mg/kg			1	JN	0.23	JN	0.84	JN			0.61	JN				
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	mg/kg			0.35	JN	0.15	JN	0.74	JN			0.36	JN				
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	mg/kg			0.27	JN							0.27	JN				
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	mg/kg											0.17	JN				
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	mg/kg																
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	mg/kg																
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	mg/kg																
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	mg/kg																
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	mg/kg																
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	mg/kg																
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	mg/kg																

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date Sample ID Depth Interval				T-19		T-20		T-21		T-22		T-23		T-24		T-25		T-26	
				8/27/2013 15:45		8/29/2013 13:00		8/28/2013 15:30		8/28/2013 15:00		8/27/2013 15:00		8/2/2013 10:50		8/2/2013 15:05		8/5/2013 11:10	
				SB-T19 (7-8)(082713)		TMW-T20 (4-6)(082913)		SB-T21 (6-8)(082813)		TMW-T22 (4-10.3)(082813)		TMW-T23 (2-10)(082713)		TMW-T24 (6-8)(080213)		TMW-T-25 (6-8)(080213)		TMW-T26 (6-8)(080513)	
				7 - 8 ft		4 - 6 ft		6 - 8 ft		4 - 10.3 ft		2 - 10 ft		6 - 8 ft		6 - 8 ft		6 - 8 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC	(-)-.beta.-Pinene	18172-67-3	mg/kg																
	.alpha.-Pinene	80-56-8	mg/kg																
	.beta.-Pinene	127-91-3	mg/kg																
	1,2,3,4-Tetramethylbenzene	488-23-3	mg/kg																
	1,2,3-Trimethylbenzene	526-73-8	mg/kg																
	1,2,4,5-Tetramethylbenzene	95-93-2	mg/kg																
	1,2,4-Trithiolane	289-16-7	mg/kg																
	1,3-Cyclopentadiene, 1,2,3,4-tetramethyl-	76089-59-3	mg/kg																
	1,4-Methanonaphthalene, 1,4-dihydro-	4453-90-1	mg/kg																
	1-Heptene	592-76-7	mg/kg																
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg																
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg																
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	mg/kg																
	1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	mg/kg																
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	mg/kg																
	1H-Indene, 2,3-dihydro-2,2-dimethyl-	20836-11-7	mg/kg																
	1-Pentene	109-67-1	mg/kg																
	1-Propene, 1,2-dichloro-	563-54-2	mg/kg																
	1-Propene, 3-chloro-	107-05-1	mg/kg																
	1R-.alpha.-Pinene	7785-70-8	mg/kg																
	2,4-Dithiapentane	1618-26-4	mg/kg																
	2-Chlorotoluene	95-49-8	mg/kg																
	2-Ethyltoluene	611-14-3	mg/kg																
	2-Isopropyltoluene	527-84-4	mg/kg																
	2-Methylnaphthalene	91-57-6	mg/kg																
	2-Pentanone	107-87-9	mg/kg																
	2-Propenal, 2-methyl-	78-85-3	mg/kg																
	3-Methylbenzothiophene	1455-18-1	mg/kg																
	3-Penten-2-one, 4-methyl-	141-79-7	mg/kg																
	4-Chlorotoluene	106-43-4	mg/kg																
	4-Nonanone, 2,6,8-trimethyl-	123-18-2	mg/kg																
	Benzenamine, 2-chloro-N,N-dimethyl-	698-01-1	mg/kg																
	Benzenamine, N,N,2-trimethyl-	609-72-3	mg/kg																
	Benzene, (2-methyl-1-propenyl)-	768-49-0	mg/kg																
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg																
	Benzene, 1-ethenyl-2-methyl-	611-15-4	mg/kg																
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	mg/kg																
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	mg/kg																
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	mg/kg																
	Benzeneacetaldehyde, .alpha.-methyl-	93-53-8	mg/kg																
	Benzocycloheptatriene	264-09-5	mg/kg																
	Butane, 2-methyl-	78-78-4	mg/kg																
	Camphene	79-92-5	mg/kg																
	Cyclopentane, 1,3,5-trimethyl-, (1alpha,2alpha,3beta)-	15890-40-1	mg/kg																
	Cyclohexane, 1,3,5-trimethyl-, (1alpha,3alpha,5beta)-	1795-26-2	mg/kg																
	Cyclohexane, 1-methyl-4-(1-methylethyl)-	99-82-1	mg/kg																
	Cyclopentane	287-92-3	mg/kg																
	Cyclopentane, 1,2,4-trimethyl-	2815-58-9	mg/kg																
	Cyclopentane, 1,2,4-trimethyl-, (1alpha,2beta,4alpha)-	16883-48-0	mg/kg																
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg																
	D-Limonene	5989-27-5	mg/kg																

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		T-19		T-20		T-21		T-22		T-23		T-24		T-25		T-26	
				Sample Date		8/27/2013 15:45		8/29/2013 13:00		8/28/2013 15:30		8/28/2013 15:00		8/27/2013 15:00		8/2/2013 10:50		8/2/2013 15:05		8/5/2013 11:10	
				Sample ID		SB-T19 (7-8)(082713)		TMW-T20 (4-6)(082913)		SB-T21 (6-8)(082813)		TMW-T22 (4-10.3)(082813)		TMW-T23 (2-10)(082713)		TMW-T24 (6-8)(080213)		TMW-T-25 (6-8)(080213)		TMW-T26 (6-8)(080513)	
				Depth Interval		7 - 8 ft		4 - 6 ft		6 - 8 ft		4 - 10.3 ft		2 - 10 ft		6 - 8 ft		6 - 8 ft		6 - 8 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC (Cont.)	Epichlorohydrin	106-89-8	mg/kg																		
	Hexane, 2,4-dimethyl-	589-43-5	mg/kg																		
	Hexane, 2-methyl-	591-76-4	mg/kg																		
	Hexane, 3-methyl-	589-34-4	mg/kg																		
	Limonene	138-86-3	mg/kg																		
	Methacrylonitrile	126-98-7	mg/kg																		
	Methyl methacrylate	80-62-6	mg/kg																		
	N,N-Dimethylaniline	121-69-7	mg/kg																		
	Naphthalene, decahydro-	91-17-8	mg/kg																		
	n-Pentane	109-66-0	mg/kg																		
	N-Propylbenzene	103-65-1	mg/kg																		
	n-Undecane	1120-21-4	mg/kg																		
	Octane, 2,6-dimethyl-	2051-30-1	mg/kg																		
	Pentane, 2,3,4-trimethyl-	565-75-3	mg/kg																		
	Pentane, 2,3-dimethyl-	565-59-3	mg/kg																		
	Pentane, 2,4-dimethyl-	108-08-7	mg/kg																		
	Pentane, 3-ethyl-	617-78-7	mg/kg																		
	Propanal, 2-methyl-	78-84-2	mg/kg																		
	Silanol, trimethyl-	1066-40-6	mg/kg																		
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg																		
	trans-Decahydronaphthalene	493-02-7	mg/kg																		
	Triethylamine	121-44-8	mg/kg																		
	Undecane, 5,6-dimethyl-	17615-91-7	mg/kg																		
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	mg/kg	0.011	JN	0.011	JN					0.0077	JN	0.0086	JN					0.015	JN
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	mg/kg	0.0065	JN	0.0061	JN							0.0053	JN					0.0091	JN
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	mg/kg	0.0056	JN																
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	mg/kg	0.0039	JN																
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	mg/kg																		
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	mg/kg																		
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	mg/kg																		
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	mg/kg																		
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	mg/kg																		
SVOCs Method SW8270C/D TIC	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	0.27	JN	0.36	JN			R			R	0.71	JN						R
	1,1,2-Trichloroethane	79-00-5	mg/kg																		
	1,2,4-Trichlorobenzene	120-82-1	mg/kg																		
	1,3,5-Trimethylbenzene	108-67-8	mg/kg																		
	1H-Benzo[a]fluorene	238-84-6	mg/kg																		
	1H-Benzo[b]fluorene	243-17-4	mg/kg																		
	1H-Cyclopropa[1]phenanthrene, 1a,9b-dihydro-	949-41-7	mg/kg																		
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg																		
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg																		
	1H-Indene, 2-phenyl-	4505-48-0	mg/kg																		
	1-Phenyl-1-butene	824-90-8	mg/kg																		
	1R- alpha -Pinene	7785-70-8	mg/kg																		
	2,8,9-Trioxa-5-aza-1-borabicyclo[3.3.3]undecane	283-56-7	mg/kg															0.16	JN		
	2-Cyclohexen-1-one	930-68-7	mg/kg																		
	2-Isopropyltoluene	527-84-4	mg/kg																		
	2-Octene	111-67-1	mg/kg																		
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	mg/kg																		
	4H-Cyclopenta[def]phenanthrene	203-64-5	mg/kg																		
	4-Isopropyl-2,2,5,5-tetramethyl-3-imidaz	72342-96-2	mg/kg																		

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date Sample ID Depth Interval				T-19		T-20		T-21		T-22		T-23		T-24		T-25		T-26	
				8/27/2013 15:45		8/29/2013 13:00		8/28/2013 15:30		8/28/2013 15:00		8/27/2013 15:00		8/2/2013 10:50		8/2/2013 15:05		8/5/2013 11:10	
				SB-T19 (7-8)(082713)		TMW-T20 (4-6)(082913)		SB-T21 (6-8)(082813)		TMW-T22 (4-10.3)(082813)		TMW-T23 (2-10)(082713)		TMW-T24 (6-8)(080213)		TMW-T-25 (6-8)(080213)		TMW-T26 (6-8)(080513)	
				7 - 8 ft		4 - 6 ft		6 - 8 ft		4 - 10.3 ft		2 - 10 ft		6 - 8 ft		6 - 8 ft		6 - 8 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	7,12-Dimethylbenz(a)anthracene	57-97-6	mg/kg																
	7H-Benzo[c]fluorene	205-12-9	mg/kg																
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	mg/kg			0.17	J												
	9H-Fluorene, 2-methyl-	1430-97-3	mg/kg																
	9-Octadecenamide, (Z)-	301-02-0	mg/kg																
	Anthracene, 1-methyl-	610-48-0	mg/kg																
	Anthracene, 2-methyl-	613-12-7	mg/kg																
	Anthracene, 9-methyl-	779-02-2	mg/kg																
	Benzaldehyde, 4-(dimethylamino)-	100-10-7	mg/kg																
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg																
	Benzene, 1,2-diethyl-	135-01-3	mg/kg																
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	mg/kg																
	Benzene, 1-methyl-3-propyl-	1074-43-7	mg/kg																
	Benzene, 1-methyl-4-(2-propenyl)-	3333-13-9	mg/kg																
	Benzo[b]naphtho[2,1-d]furan	239-30-5	mg/kg																
	Benzo[b]naphtho[2,3-d]furan	243-42-5	mg/kg																
	Benzo[e]pyrene	192-97-2	mg/kg													0.32	JN		
	Benzo[k]xanthene	200-23-7	mg/kg																
	Benzoic acid	65-85-0	mg/kg											R					R
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	mg/kg																
	Cyclohexane, (2-methylpropyl)-	1678-98-4	mg/kg																
	Cyclohexanone	108-94-1	mg/kg																
	Cyclohexasiloxane, dodecamethyl-	540-97-6	mg/kg																
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg			0.36	JN												
	Decane, 4-methyl-	2847-72-5	mg/kg			0.3	JN												
	Di(2-ethylhexyl) Adipate	103-23-1	mg/kg																
	Dibenzothiophene	132-65-0	mg/kg																
	Dibenzothiophene, 3-methyl-	16587-52-3	mg/kg																
	Diphenyl ether	101-84-8	mg/kg																
	Fluoranthene, 2-methyl-	33543-31-6	mg/kg																
	Formylmethylenetriphenylphosphorane	28900-91-6	mg/kg					0.57	JN	0.65	JN								
	Methanethione, bis[4-(dimethylamino)phenyl]-	1226-46-6	mg/kg																
	Methanone, bis[4-(dimethylamino)phenyl]-	90-94-8	mg/kg																
	Methylene Chloride	75-09-2	mg/kg																
	m-Xylene	108-38-3	mg/kg																
	Naphthalene, 1,6-dimethyl-	575-43-9	mg/kg																
	Naphthalene, 1-ethoxy-	1/8/5328	mg/kg																
	Naphthalene, 1-phenyl-	605-02-7	mg/kg																
	Naphthalene, 2,3-dimethyl-	581-40-8	mg/kg																
	Naphthalene, 2,6-dimethyl-	581-42-0	mg/kg																
	Naphthalene, 2-phenyl-	612-94-2	mg/kg																
	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	16587-34-1	mg/kg																
	n-Butylbenzene	104-51-8	mg/kg																
	n-Dodecane	112-40-3	mg/kg																
	n-Heneicosane	629-94-7	mg/kg																
	n-Heptadecane	629-78-7	mg/kg																
	n-Hexadecane	544-76-3	mg/kg																
	n-Hexadecanoic acid	57-10-3	mg/kg																
	N-Nitrosodimethylamine	62-75-9	mg/kg																
	N-Nitrosomethylethylamine	10595-95-6	mg/kg					0.048	J										
	n-Octadecane	593-45-3	mg/kg																

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		T-19		T-20		T-21		T-22		T-23		T-24		T-25		T-26	
				Sample Date		8/27/2013 15:45		8/29/2013 13:00		8/28/2013 15:30		8/28/2013 15:00		8/27/2013 15:00		8/2/2013 10:50		8/2/2013 15:05		8/5/2013 11:10	
				Sample ID		SB-T19 (7-8)(082713)		TMW-T20 (4-6)(082913)		SB-T21 (6-8)(082813)		TMW-T22 (4-10.3)(082813)		TMW-T23 (2-10)(082713)		TMW-T24 (6-8)(080213)		TMW-T-25 (6-8)(080213)		TMW-T26 (6-8)(080513)	
				Depth Interval		7 - 8 ft		4 - 6 ft		6 - 8 ft		4 - 10.3 ft		2 - 10 ft		6 - 8 ft		6 - 8 ft		6 - 8 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Nonane, 2,6-dimethyl-	17302-28-2	mg/kg																		
	n-Pentacosane	629-99-2	mg/kg																		
	n-Tetracosane	646-31-1	mg/kg																		
	n-Tridecane	629-50-5	mg/kg																		
	n-Undecane	1120-21-4	mg/kg																		
	Octanoic Acid	124-07-2	mg/kg																		
	Oxime-, methoxy-phenyl-	1000222-86-6	mg/kg																		
	o-Xylene	95-47-6	mg/kg																		
	Perylene	198-55-0	mg/kg																		
	Phenanthrene, 1-methyl-	832-69-9	mg/kg																		
	Phenanthrene, 2,3-dimethyl-	3674-65-5	mg/kg																		
	Phenanthrene, 2,5-dimethyl-	3674-66-6	mg/kg																		
	Phenanthrene, 2-methyl-	2531-84-2	mg/kg																		
	Phenol, (1,1,3,3-tetramethylbutyl)-	27193-28-8	mg/kg																		
	Phenol, 2-(phenylmethyl)-	28994-41-4	mg/kg																		
	Phenol, 4-(1,1-dimethylethyl)-	98-54-4	mg/kg																		
	Phenol, 4-(phenylmethyl)-	101-53-1	mg/kg											0.67	JN						
	Phenyltoloxamine	92-12-6	mg/kg											0.17	JN						
	p-Isopropyltoluene	99-87-6	mg/kg																		
	p-Xylene	106-42-3	mg/kg																		
	Pyrene, 1-methyl-	2381-21-7	mg/kg																		
	Pyrene, 4-methyl-	12/6/3353	mg/kg																		
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg																		
	trans-Decahydronaphthalene	493-02-7	mg/kg																		
	Tricyclo[3.3.3.0(1,5)]undecane, 2,8,9-tri	15277-97-1	mg/kg																		
	Triphenylene, 2-methyl-	1705-84-6	mg/kg																		
	Triphenylphosphine oxide	791-28-6	mg/kg	0.54	JN	0.24	JN														
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	mg/kg			0.36	JN							1.3	JN		R		R		R
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	mg/kg											0.54	JN						
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	mg/kg											0.42	JN						
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	mg/kg											0.3	JN						
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	mg/kg											0.19	JN						
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	mg/kg											0.16	JN						
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	mg/kg																		
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	mg/kg																		

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

			Location	T-27		T-28		T-29		T-30		T-31		T-32		T-33	
			Sample Date	8/5/2013 14:30		8/1/2013 14:25		8/1/2013 9:45		8/5/2013 14:00		8/5/2013 11:00		8/1/2013 11:55		7/29/2013 13:30	
			Sample ID	TMW-T27 (2-4)(080513)		TMW-T28 (14-15)(080113)		TMW-T29 (2-4)(080113)		TMW-T30 (4-6)(080513)		TMW-T31 (6-6.7)(080513)		TMW-T32 (8-10)(080113)		TMW-T33 (8-11)(072913)	
			Depth Interval	2 - 4 ft		14 - 15 ft		2 - 4 ft		4 - 6 ft		6 - 6.7 ft		8 - 10 ft		8 - 11 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC	(-)-.beta.-Pinene	18172-67-3	mg/kg														
	.alpha.-Pinene	80-56-8	mg/kg														
	.beta.-Pinene	127-91-3	mg/kg														
	1,2,3,4-Tetramethylbenzene	488-23-3	mg/kg														
	1,2,3-Trimethylbenzene	526-73-8	mg/kg														
	1,2,4,5-Tetramethylbenzene	95-93-2	mg/kg														
	1,2,4-Trithiolane	289-16-7	mg/kg														
	1,3-Cyclopentadiene, 1,2,3,4-tetramethyl-	76089-59-3	mg/kg														
	1,4-Methanonaphthalene, 1,4-dihydro-	4453-90-1	mg/kg														
	1-Heptene	592-76-7	mg/kg					25	JN								
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg														
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg														
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	mg/kg														
	1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	mg/kg														
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	mg/kg														
	1H-Indene, 2,3-dihydro-2,2-dimethyl-	20836-11-7	mg/kg														
	1-Pentene	109-67-1	mg/kg														
	1-Propene, 1,2-dichloro-	563-54-2	mg/kg														
	1-Propene, 3-chloro-	107-05-1	mg/kg														
	1R-.alpha.-Pinene	7785-70-8	mg/kg														
	2,4-Dithiapentane	1618-26-4	mg/kg														
	2-Chlorotoluene	95-49-8	mg/kg														
	2-Ethyltoluene	611-14-3	mg/kg														
	2-Isopropyltoluene	527-84-4	mg/kg														
	2-Methylnaphthalene	91-57-6	mg/kg														
	2-Pentanone	107-87-9	mg/kg														
	2-Propenal, 2-methyl-	78-85-3	mg/kg														
	3-Methylbenzothiophene	1455-18-1	mg/kg														
	3-Penten-2-one, 4-methyl-	141-79-7	mg/kg														
	4-Chlorotoluene	106-43-4	mg/kg														
	4-Nonanone, 2,6,8-trimethyl-	123-18-2	mg/kg														
	Benzenamine, 2-chloro-N,N-dimethyl-	698-01-1	mg/kg														
	Benzenamine, N,N,2-trimethyl-	609-72-3	mg/kg														
	Benzene, (2-methyl-1-propenyl)-	768-49-0	mg/kg														
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg														
	Benzene, 1-ethenyl-2-methyl-	611-15-4	mg/kg														
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	mg/kg														
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	mg/kg														
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	mg/kg														
	Benzeneacetaldehyde, .alpha.-methyl-	93-53-8	mg/kg														
	Benzocycloheptatriene	264-09-5	mg/kg														
	Butane, 2-methyl-	78-78-4	mg/kg														
	Camphene	79-92-5	mg/kg														
	Cyclopentane, 1,3,5-trimethyl-, (1.alpha.,2.alpha.,3.beta.)	15890-40-1	mg/kg														
	Cyclohexane, 1,3,5-trimethyl-, (1.alpha.,3.alpha.,5.beta.)	1795-26-2	mg/kg														
	Cyclohexane, 1-methyl-4-(1-methylethyl)-	99-82-1	mg/kg														
	Cyclopentane	287-92-3	mg/kg														
	Cyclopentane, 1,2,4-trimethyl-	2815-58-9	mg/kg														
	Cyclopentane, 1,2,4-trimethyl-, (1.alpha.,2.beta.,4.alpha.)	16883-48-0	mg/kg														
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg													0.0056	JN
	D-Limonene	5989-27-5	mg/kg														

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

			Location	T-27		T-28		T-29		T-30		T-31		T-32		T-33	
			Sample Date	8/5/2013 14:30		8/1/2013 14:25		8/1/2013 9:45		8/5/2013 14:00		8/5/2013 11:00		8/1/2013 11:55		7/29/2013 13:30	
			Sample ID	TMW-T27 (2-4)(080513)		TMW-T28 (14-15)(080113)		TMW-T29 (2-4)(080113)		TMW-T30 (4-6)(080513)		TMW-T31 (6-6.7)(080513)		TMW-T32 (8-10)(080113)		TMW-T33 (8-11)(072913)	
			Depth Interval	2 - 4 ft		14 - 15 ft		2 - 4 ft		4 - 6 ft		6 - 6.7 ft		8 - 10 ft		8 - 11 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC (Cont.)	Epichlorohydrin	106-89-8	mg/kg														
	Hexane, 2,4-dimethyl-	589-43-5	mg/kg														
	Hexane, 2-methyl-	591-76-4	mg/kg														
	Hexane, 3-methyl-	589-34-4	mg/kg			28	JN	350	JN								
	Limonene	138-86-3	mg/kg														
	Methacrylonitrile	126-98-7	mg/kg			22	J	270	EJ								
	Methyl methacrylate	80-62-6	mg/kg					6.8	J								
	N,N-Dimethylaniline	121-69-7	mg/kg														
	Naphthalene, decahydro-	91-17-8	mg/kg														
	n-Pentane	109-66-0	mg/kg														
	N-Propylbenzene	103-65-1	mg/kg														
	n-Undecane	1120-21-4	mg/kg			3.2	JN										
	Octane, 2,6-dimethyl-	2051-30-1	mg/kg			4.6	JN										
	Pentane, 2,3,4-trimethyl-	565-75-3	mg/kg														
	Pentane, 2,3-dimethyl-	565-59-3	mg/kg														
	Pentane, 2,4-dimethyl-	108-08-7	mg/kg														
	Pentane, 3-ethyl-	617-78-7	mg/kg														
	Propanal, 2-methyl-	78-84-2	mg/kg														
	Silanol, trimethyl-	1066-40-6	mg/kg									0.23	JN				
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg									0.42	JN				
	trans-Decahydronaphthalene	493-02-7	mg/kg														
	Triethylamine	121-44-8	mg/kg														
	Undecane, 5,6-dimethyl-	17615-91-7	mg/kg			3.6	JN										
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	mg/kg	0.0043	JN	9.1	JN	100	JN	0.01	JN	2.7	JN			0.0075	JN
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	mg/kg			5.4	JN	21	JN			0.47	JN				
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	mg/kg			5.1	JN	15	JN			0.26	JN				
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	mg/kg			5	JN	13	JN			0.15	JN				
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	mg/kg			4.9	JN	11	JN			0.013	JN				
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	mg/kg					6.3	JN			0.012	JN				
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	mg/kg									0.012	JN				
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	mg/kg														
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	mg/kg														
SVOCs Method SW8270C/D TIC	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg				R						R		R		R
	1,1,2-Trichloroethane	79-00-5	mg/kg														
	1,2,4-Trichlorobenzene	120-82-1	mg/kg														
	1,3,5-Trimethylbenzene	108-67-8	mg/kg			0.52	JN										
	1H-Benzo[a]fluorene	238-84-6	mg/kg														
	1H-Benzo[b]fluorene	243-17-4	mg/kg														
	1H-Cyclopropa[1]phenanthrene, 1a,9b-dihydro-	949-41-7	mg/kg														
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg														
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg														
	1H-Indene, 2-phenyl-	4505-48-0	mg/kg														
	1-Phenyl-1-butene	824-90-8	mg/kg														
	1R-.alpha.-Pinene	7785-70-8	mg/kg														
	2,8,9-Trioxa-5-aza-1-borabicyclo[3.3.3]undecane	283-56-7	mg/kg														
	2-Cyclohexen-1-one	930-68-7	mg/kg														
	2-Isopropyltoluene	527-84-4	mg/kg														
	2-Octene	111-67-1	mg/kg														
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	mg/kg			36	JN	1.3	JN							0.61	JN
	4H-Cyclopenta[def]phenanthrene	203-64-5	mg/kg														
	4-Isopropyl-2,2,5,5-tetramethyl-3-imidaz	72342-96-2	mg/kg					0.86	JN								

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		T-27		T-28		T-29		T-30		T-31		T-32		T-33	
				Sample Date		8/5/2013 14:30		8/1/2013 14:25		8/1/2013 9:45		8/5/2013 14:00		8/5/2013 11:00		8/1/2013 11:55		7/29/2013 13:30	
						Sample ID		TMW-T27 (2-4)(080513)		TMW-T28 (14-15)(080113)		TMW-T29 (2-4)(080113)		TMW-T30 (4-6)(080513)		TMW-T31 (6-6.7)(080513)		TMW-T32 (8-10)(080113)	
				Depth Interval		2 - 4 ft		14 - 15 ft		2 - 4 ft		4 - 6 ft		6 - 6.7 ft		8 - 10 ft		8 - 11 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
SVOCs Method SW8270C/D TIC (Cont.)	7,12-Dimethylbenz(a)anthracene	57-97-6	mg/kg																
	7H-Benzo(c)fluorene	205-12-9	mg/kg																
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	mg/kg																
	9H-Fluorene, 2-methyl-	1430-97-3	mg/kg																
	9-Octadecenamide, (Z)-	301-02-0	mg/kg																
	Anthracene, 1-methyl-	610-48-0	mg/kg																
	Anthracene, 2-methyl-	613-12-7	mg/kg																
	Anthracene, 9-methyl-	779-02-2	mg/kg																
	Benzaldehyde, 4-(dimethylamino)-	100-10-7	mg/kg																
	Benzene, (3-methyl-2-buteryl)-	4489-84-3	mg/kg																
	Benzene, 1,2-diethyl-	135-01-3	mg/kg																
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	mg/kg																
	Benzene, 1-methyl-3-propyl-	1074-43-7	mg/kg						0.83	JN									
	Benzene, 1-methyl-4-(2-propenyl)-	3333-13-9	mg/kg																
	Benzo(b)naphtho[2,1-d]furan	239-30-5	mg/kg																
	Benzo(b)naphtho[2,3-d]furan	243-42-5	mg/kg																
	Benzo(e)pyrene	192-97-2	mg/kg																
	Benzo(k)laxanthene	200-23-7	mg/kg																
	Benzoic acid	65-85-0	mg/kg										R						
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	mg/kg																
	Cyclohexane, (2-methylpropyl)-	1678-98-4	mg/kg						0.67	JN									
	Cyclohexanone	108-94-1	mg/kg																
	Cyclohexasiloxane, dodecamethyl-	540-97-6	mg/kg						0.6	JN									
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg			0.89	JN												
	Decane, 4-methyl-	2847-72-5	mg/kg						0.93	JN									
	Di(2-ethylhexyl) Adipate	103-23-1	mg/kg																
	Dibenzothiophene	132-65-0	mg/kg																
	Dibenzothiophene, 3-methyl-	16587-52-3	mg/kg																
	Diphenyl ether	101-84-8	mg/kg																
	Fluoranthene, 2-methyl-	33543-31-6	mg/kg																
	Formylmethylenetriphenylphosphorane	28900-91-6	mg/kg																
	Methanethione, bis[4-(dimethylamino)phenyl]-	1226-46-6	mg/kg			0.64	JN												
	Methanone, bis[4-(dimethylamino)phenyl]-	90-94-8	mg/kg						2.2	JN									
	Methylene Chloride	75-09-2	mg/kg																
	m-Xylene	108-38-3	mg/kg																
	Naphthalene, 1,6-dimethyl-	575-43-9	mg/kg																
	Naphthalene, 1-ethoxy-	1/8/5328	mg/kg						0.61	JN									
	Naphthalene, 1-phenyl-	605-02-7	mg/kg																
	Naphthalene, 2,3-dimethyl-	581-40-8	mg/kg																
	Naphthalene, 2,6-dimethyl-	581-42-0	mg/kg																
	Naphthalene, 2-phenyl-	612-94-2	mg/kg																
	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	16587-34-1	mg/kg																
	n-Butylbenzene	104-51-8	mg/kg																
	n-Dodecane	112-40-3	mg/kg						0.61	JN									
	n-Heneicosane	629-94-7	mg/kg																
	n-Heptadecane	629-78-7	mg/kg																
	n-Hexadecane	544-76-3	mg/kg																
	n-Hexadecanoic acid	57-10-3	mg/kg																
	N-Nitrosodimethylamine	62-75-9	mg/kg																
	N-Nitrosomethylethylamine	10595-95-6	mg/kg																
	n-Octadecane	593-45-3	mg/kg																

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

			Location	T-27		T-28		T-29		T-30		T-31		T-32		T-33	
			Sample Date	8/5/2013 14:30		8/1/2013 14:25		8/1/2013 9:45		8/5/2013 14:00		8/5/2013 11:00		8/1/2013 11:55		7/29/2013 13:30	
			Sample ID	TMW-T27 (2-4)(080513)		TMW-T28 (14-15)(080113)		TMW-T29 (2-4)(080113)		TMW-T30 (4-6)(080513)		TMW-T31 (6-6.7)(080513)		TMW-T32 (8-10)(080113)		TMW-T33 (8-11)(072913)	
			Depth Interval	2 - 4 ft		14 - 15 ft		2 - 4 ft		4 - 6 ft		6 - 6.7 ft		8 - 10 ft		8 - 11 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Nonane, 2,6-dimethyl-	17302-28-2	mg/kg			1	JN										
	n-Pentacosane	629-99-2	mg/kg														
	n-Tetracosane	646-31-1	mg/kg														
	n-Tridecane	629-50-5	mg/kg														
	n-Undecane	1120-21-4	mg/kg			0.88	JN	2.1	JN								
	Octanoic Acid	124-07-2	mg/kg														
	Oxime-, methoxy-phenyl-	1000222-86-6	mg/kg													0.15	JN
	o-Xylene	95-47-6	mg/kg														
	Perylene	198-55-0	mg/kg														
	Phenanthrene, 1-methyl-	832-69-9	mg/kg														
	Phenanthrene, 2,3-dimethyl-	3674-65-5	mg/kg														
	Phenanthrene, 2,5-dimethyl-	3674-66-6	mg/kg														
	Phenanthrene, 2-methyl-	2531-84-2	mg/kg														
	Phenol, (1,1,3,3-tetramethylbutyl)-	27193-28-8	mg/kg														
	Phenol, 2-(phenylmethyl)-	28994-41-4	mg/kg														
	Phenol, 4-(1,1-dimethylethyl)-	98-54-4	mg/kg														
	Phenol, 4-(phenylmethyl)-	101-53-1	mg/kg														
	Phenyltoloxamine	92-12-6	mg/kg														
	p-Isopropyltoluene	99-87-6	mg/kg														
	p-Xylene	106-42-3	mg/kg														
	Pyrene, 1-methyl-	2381-21-7	mg/kg														
	Pyrene, 4-methyl-	12/6/3353	mg/kg														
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg	0.24	JN												
	trans-Decahydronaphthalene	493-02-7	mg/kg			0.6	JN										
	Tricyclo[3.3.3.0(1,5)]undecane, 2,8,9-tr	15277-97-1	mg/kg														
	Triphenylene, 2-methyl-	1705-84-6	mg/kg														
	Triphenylphosphine oxide	791-28-6	mg/kg														
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	mg/kg		R	17	JN	3.6	JN		R		R		R		R
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	mg/kg			2.9	JN	3.2	JN								
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	mg/kg			2.3	JN	2.2	JN								
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	mg/kg			1.4	JN	1.8	JN								
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	mg/kg			1.3	JN	0.96	JN								
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	mg/kg			0.79	JN	0.94	JN								
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	mg/kg			0.69	JN	0.83	JN								
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	mg/kg				R	0.76	JN								
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	mg/kg			0.46	JN	0.74	JN								
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	mg/kg			0.45	JN	0.58	JN								
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	mg/kg			0.41	JN										
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	mg/kg			0.39	JN										

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		T-34		T-35		T-36		T-37		T-38		T-39		T-40	
				Sample Date		7/30/2013 8:50	7/30/2013 8:50	7/30/2013 15:35	7/31/2013 10:30	7/30/2013 9:00	7/23/2013 13:00	7/23/2013 16:30	7/23/2013 9:00						
				Sample ID		TMW-T34 (5-8)(073013)	FD-02 (073013)	TMW-T35 (8-10)(073013)	TMW-T36 (8-11)(073113)	TMW-T37 (6-8)(073013)	TMW-38 (4-6)(072313)	TMW-39 (4-6)(072313)	TMW-40 (6.2-8.5)(072313)						
				Depth Interval		5 - 8 ft	5 - 8 ft	8 - 10 ft	8 - 11 ft	6 - 8 ft	4 - 6 ft	4 - 6 ft	6.2 - 8.5 ft						
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC	(-).beta.-Pinene	18172-67-3	mg/kg																
	.alpha.-Pinene	80-56-8	mg/kg																
	.beta.-Pinene	127-91-3	mg/kg																
	1,2,3,4-Tetramethylbenzene	488-23-3	mg/kg																
	1,2,3-Trimethylbenzene	526-73-8	mg/kg																
	1,2,4,5-Tetramethylbenzene	95-93-2	mg/kg																
	1,2,4-Trithiolane	289-16-7	mg/kg																
	1,3-Cyclopentadiene, 1,2,3,4-tetramethyl-	76089-59-3	mg/kg																
	1,4-Methanonaphthalene, 1,4-dihydro-	4453-90-1	mg/kg																
	1-Heptene	592-76-7	mg/kg																
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg																
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg																
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	mg/kg																
	1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	mg/kg																
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	mg/kg																
	1H-Indene,2,3-dihydro-2,2-dimethyl-	20836-11-7	mg/kg																
	1-Pentene	109-67-1	mg/kg																
	1-Propene, 1,2-dichloro-	563-54-2	mg/kg																
	1-Propene, 3-chloro-	107-05-1	mg/kg																
	1R-.alpha.-Pinene	7785-70-8	mg/kg																
	2,4-Dithiapentane	1618-26-4	mg/kg																
	2-Chlorotoluene	95-49-8	mg/kg																
	2-Ethyltoluene	611-14-3	mg/kg																
	2-Isopropyltoluene	527-84-4	mg/kg																
	2-Methylnaphthalene	91-57-6	mg/kg																
	2-Pentanone	107-87-9	mg/kg																
	2-Propenal, 2-methyl-	78-85-3	mg/kg																
	3-Methylbenzothiophene	1455-18-1	mg/kg																
	3-Penten-2-one, 4-methyl-	141-79-7	mg/kg																
	4-Chlorotoluene	106-43-4	mg/kg																
	4-Nonanone, 2,6,8-trimethyl-	123-18-2	mg/kg																
	Benzenamine, 2-chloro-N,N-dimethyl-	698-01-1	mg/kg								0.0085	JN							
	Benzenamine, N,N,2-trimethyl-	609-72-3	mg/kg								0.008	JN							
	Benzene, (2-methyl-1-propenyl)-	768-49-0	mg/kg																
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg																
	Benzene, 1-ethenyl-2-methyl-	611-15-4	mg/kg																
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	mg/kg																
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	mg/kg																
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	mg/kg																
	Benzeneacetaldehyde, .alpha.-methyl-	93-53-8	mg/kg																
	Benzocycloheptatriene	264-09-5	mg/kg																
	Butane, 2-methyl-	78-78-4	mg/kg																
	Camphene	79-92-5	mg/kg																
	Cyclopentane, 1,3,5-trimethyl-, (1alpha,2alpha,3beta)-	15890-40-1	mg/kg																
	Cyclohexane, 1,3,5-trimethyl-, (1alpha,3alpha,5beta)-	1795-26-2	mg/kg																
	Cyclohexane, 1-methyl-4-(1-methylethyl)-	99-82-1	mg/kg																
	Cyclopentane	287-92-3	mg/kg																
	Cyclopentane, 1,2,4-trimethyl-	2815-58-9	mg/kg																
	Cyclopentane, 1,2,4-trimethyl-, (1alpha,2beta,4alpha)-	16883-48-0	mg/kg																
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg	0.0047	JN				0.15	JN			0.0052	JN					
	D-Limonene	5989-27-5	mg/kg																

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		T-34		T-35		T-36		T-37		T-38		T-39		T-40	
				Sample Date		7/30/2013 8:50	7/30/2013 8:50	7/30/2013 15:35	7/31/2013 10:30	7/30/2013 9:00	7/23/2013 13:00	7/23/2013 16:30	7/23/2013 9:00						
				Sample ID		TMW-T34 (5-8)(073013)	FD-02 (073013)	TMW-T35 (8-10)(073013)	TMW-T36 (8-11)(073113)	TMW-T37 (6-8)(073013)	TMW-38 (4-6)(072313)	TMW-39 (4-6)(072313)	TMW-40 (6.2-8.5)(072313)						
				Depth Interval		5 - 8 ft	5 - 8 ft	8 - 10 ft	8 - 11 ft	6 - 8 ft	4 - 6 ft	4 - 6 ft	6.2 - 8.5 ft						
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC (Cont.)	Epichlorohydrin	106-89-8	mg/kg																
	Hexane, 2,4-dimethyl-	589-43-5	mg/kg																
	Hexane, 2-methyl-	591-76-4	mg/kg					0.0074	JN										
	Hexane, 3-methyl-	589-34-4	mg/kg																
	Limonene	138-86-3	mg/kg																
	Methacrylonitrile	126-98-7	mg/kg																
	Methyl methacrylate	80-62-6	mg/kg																
	N,N-Dimethylaniline	121-69-7	mg/kg	0.0098	JN	0.011	JN	0.01	JN	0.093	JN								
	Naphthalene, decahydro-	91-17-8	mg/kg					0.0043	JN										
	n-Pentane	109-66-0	mg/kg																
	N-Propylbenzene	103-65-1	mg/kg																
	n-Undecane	1120-21-4	mg/kg																
	Octane, 2,6-dimethyl-	2051-30-1	mg/kg																
	Pentane, 2,3,4-trimethyl-	565-75-3	mg/kg																
	Pentane, 2,3-dimethyl-	565-59-3	mg/kg					0.038	JN										
	Pentane, 2,4-dimethyl-	108-08-7	mg/kg																
	Pentane, 3-ethyl-	617-78-7	mg/kg																
	Propanal, 2-methyl-	78-84-2	mg/kg																
	Silanol, trimethyl-	1066-40-6	mg/kg																
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg																
	trans-Decahydronaphthalene	493-02-7	mg/kg																
	Triethylamine	121-44-8	mg/kg																
	Undecane, 5,6-dimethyl-	17615-91-7	mg/kg																
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	mg/kg			0.0077	JN	0.025	JN	0.36	JN	0.022	JN	0.0074	JN	1.4	JN		
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	mg/kg					0.012	JN	0.017	JN	0.017	JN	0.0061	JN	1.3	JN		
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	mg/kg					0.0055	JN	0.011	JN	0.012	JN			0.39	JN		
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	mg/kg					0.0047	JN	0.0044	JN	0.0087	JN						
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	mg/kg																
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	mg/kg																
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	mg/kg																
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	mg/kg																
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	mg/kg																
SVOCs Method SW8270C/D TIC	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg						R		R		R						
	1,1,2-Trichloroethane	79-00-5	mg/kg																
	1,2,4-Trichlorobenzene	120-82-1	mg/kg																
	1,3,5-Trimethylbenzene	108-67-8	mg/kg																
	1H-Benzo[a]fluorene	238-84-6	mg/kg																
	1H-Benzo[b]fluorene	243-17-4	mg/kg																
	1H-Cyclopropa[1]phenanthrene, 1a,9b-dihydro-	949-41-7	mg/kg																
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg																
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg																
	1H-Indene, 2-phenyl-	4505-48-0	mg/kg																
	1-Phenyl-1-butene	824-90-8	mg/kg																
	1R- alpha -Pinene	7785-70-8	mg/kg																
	2,8,9-Trioxa-5-aza-1-borabicyclo[3.3.3]undecane	283-56-7	mg/kg																
	2-Cyclohexen-1-one	930-68-7	mg/kg																
	2-Isopropyltoluene	527-84-4	mg/kg																
	2-Octene	111-67-1	mg/kg																
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	mg/kg			0.74	JN	0.39	JN	54	JN								
	4H-Cyclopenta[def]phenanthrene	203-64-5	mg/kg																
	4-Isopropyl-2,2,5,5-tetramethyl-3-imidaz	72342-96-2	mg/kg																

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		T-34		T-35		T-36		T-37		T-38		T-39		T-40	
				Sample Date		7/30/2013 8:50	7/30/2013 8:50	7/30/2013 15:35	7/31/2013 10:30	7/30/2013 9:00	7/23/2013 13:00	7/23/2013 16:30	7/23/2013 9:00						
				Sample ID		TMW-T34 (5-8)(073013)	FD-02 (073013)	TMW-T35 (8-10)(073013)	TMW-T36 (8-11)(073113)	TMW-T37 (6-8)(073013)	TMW-38 (4-6)(072313)	TMW-39 (4-6)(072313)	TMW-40 (6.2-8.5)(072313)						
				Depth Interval		5 - 8 ft	5 - 8 ft	8 - 10 ft	8 - 11 ft	6 - 8 ft	4 - 6 ft	4 - 6 ft	6.2 - 8.5 ft						
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	7,12-Dimethylbenz(a)anthracene	57-97-6	mg/kg																
	7H-Benzo[c]fluorene	205-12-9	mg/kg																
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	mg/kg																
	9H-Fluorene, 2-methyl-	1430-97-3	mg/kg																
	9-Octadecenamide, (Z)-	301-02-0	mg/kg																
	Anthracene, 1-methyl-	610-48-0	mg/kg																
	Anthracene, 2-methyl-	613-12-7	mg/kg																
	Anthracene, 9-methyl-	779-02-2	mg/kg																
	Benzaldehyde, 4-(dimethylamino)-	100-10-7	mg/kg						0.22	JN									
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg																
	Benzene, 1,2-diethyl-	135-01-3	mg/kg																
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	mg/kg																
	Benzene, 1-methyl-3-propyl-	1074-43-7	mg/kg																
	Benzene, 1-methyl-4-(2-propenyl)-	3333-13-9	mg/kg																
	Benzo[b]naphtho[2,1-d]furan	239-30-5	mg/kg																
	Benzo[b]naphtho[2,3-d]furan	243-42-5	mg/kg									0.2	JN						
	Benzo[e]pyrene	192-97-2	mg/kg									0.43	JN						
	Benzo[k]xanthene	200-23-7	mg/kg																
	Benzoic acid	65-85-0	mg/kg						1.5	J									
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	mg/kg																
	Cyclohexane, (2-methylpropyl)-	1678-98-4	mg/kg																
	Cyclohexanone	108-94-1	mg/kg																
	Cyclohexasiloxane, dodecamethyl-	540-97-6	mg/kg					0.19	JN	1.6	JN						9.6	JN	
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg					0.41	JN										
	Decane, 4-methyl-	2847-72-5	mg/kg																
	Di(2-ethylhexyl) Adipate	103-23-1	mg/kg																
	Dibenzothiophene	132-65-0	mg/kg																
	Dibenzothiophene, 3-methyl-	16587-52-3	mg/kg																
	Diphenyl ether	101-84-8	mg/kg																
	Fluoranthene, 2-methyl-	33543-31-6	mg/kg																
	Formylmethylenetriphenylphosphorane	28900-91-6	mg/kg																
	Methanethione, bis[4-(dimethylamino)phenyl]-	1226-46-6	mg/kg																
	Methanone, bis[4-(dimethylamino)phenyl]-	90-94-8	mg/kg							4.7	JN								
	Methylene Chloride	75-09-2	mg/kg																
	m-Xylene	108-38-3	mg/kg																
	Naphthalene, 1,6-dimethyl-	575-43-9	mg/kg																
	Naphthalene, 1-ethoxy-	1/8/5328	mg/kg																
	Naphthalene, 1-phenyl-	605-02-7	mg/kg																
	Naphthalene, 2,3-dimethyl-	581-40-8	mg/kg																
	Naphthalene, 2,6-dimethyl-	581-42-0	mg/kg																
	Naphthalene, 2-phenyl-	612-94-2	mg/kg																
	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	16587-34-1	mg/kg																
	n-Butylbenzene	104-51-8	mg/kg																
	n-Dodecane	112-40-3	mg/kg																
	n-Heneicosane	629-94-7	mg/kg																
	n-Heptadecane	629-78-7	mg/kg																
	n-Hexadecane	544-76-3	mg/kg																
	n-Hexadecanoic acid	57-10-3	mg/kg																
	N-Nitrosodimethylamine	62-75-9	mg/kg							2.1	J								
	N-Nitrosomethylethylamine	10595-95-6	mg/kg																
	n-Octadecane	593-45-3	mg/kg																

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		T-34		T-35		T-36		T-37		T-38		T-39		T-40	
				Sample Date		7/30/2013 8:50	7/30/2013 8:50	7/30/2013 15:35	7/31/2013 10:30	7/30/2013 9:00	7/23/2013 13:00	7/23/2013 16:30	7/23/2013 9:00						
				Sample ID		TMW-T34 (5-8)(073013)	FD-02 (073013)	TMW-T35 (8-10)(073013)	TMW-T36 (8-11)(073113)	TMW-T37 (6-8)(073013)	TMW-38 (4-6)(072313)	TMW-39 (4-6)(072313)	TMW-40 (6.2-8.5)(072313)						
				Depth Interval		5 - 8 ft	5 - 8 ft	8 - 10 ft	8 - 11 ft	6 - 8 ft	4 - 6 ft	4 - 6 ft	6.2 - 8.5 ft						
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Nonane, 2,6-dimethyl-	17302-28-2	mg/kg																
	n-Pentacosane	629-99-2	mg/kg																
	n-Tetracosane	646-31-1	mg/kg																
	n-Tridecane	629-50-5	mg/kg																
	n-Undecane	1120-21-4	mg/kg																
	Octanoic Acid	124-07-2	mg/kg						0.35	JN									
	Oxime-, methoxy-phenyl-	1000222-86-6	mg/kg						0.42	JN									
	o-Xylene	95-47-6	mg/kg																
	Perylene	198-55-0	mg/kg								0.85	JN							
	Phenanthrene, 1-methyl-	832-69-9	mg/kg																
	Phenanthrene, 2,3-dimethyl-	3674-65-5	mg/kg																
	Phenanthrene, 2,5-dimethyl-	3674-66-6	mg/kg																
	Phenanthrene, 2-methyl-	2531-84-2	mg/kg																
	Phenol, (1,1,3,3-tetramethylbutyl)-	27193-28-8	mg/kg																
	Phenol, 2-(phenylmethyl)-	28994-41-4	mg/kg																
	Phenol, 4-(1,1-dimethylethyl)-	98-54-4	mg/kg																
	Phenol, 4-(phenylmethyl)-	101-53-1	mg/kg																
	Phenyltoloxamine	92-12-6	mg/kg																
	p-Isopropyltoluene	99-87-6	mg/kg																
	p-Xylene	106-42-3	mg/kg																
	Pyrene, 1-methyl-	2381-21-7	mg/kg								0.17	JN							
	Pyrene, 4-methyl-	12/6/3353	mg/kg																
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg																
	trans-Decahydronaphthalene	493-02-7	mg/kg																
	Tricyclo[3.3.3.0(1,5)]undecane, 2,8,9-tr	15277-97-1	mg/kg																
	Triphenylene, 2-methyl-	1705-84-6	mg/kg																
	Triphenylphosphine oxide	791-28-6	mg/kg																
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	mg/kg		R		R		19	JN				R		R		1	JN
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	mg/kg			0.16	JN		1.8	JN		0.24	JN	0.24	JN				R
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	mg/kg						1.6	JN		0.21	JN			R			
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	mg/kg						1.2	JN				0.18	JN				
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	mg/kg						0.91	JN									
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	mg/kg							R									
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	mg/kg						0.81	JN									
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	mg/kg						0.37	JN									
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	mg/kg						0.27	JN									
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	mg/kg						0.24	JN									
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	mg/kg																
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	mg/kg																

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location	T-41		T-42	
				Sample Date	7/22/2013 11:00		7/29/2013 11:00	
				Sample ID	TMW-T41 (30-30.5)(072213)		TMW-T42 (8-10)(072913)	
				Depth Interval	30 - 30.5 ft		8 - 10 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	
VOCs	(-).beta.-Pinene	18172-67-3	mg/kg					
Method SW8260B/C TIC	.alpha.-Pinene	80-56-8	mg/kg					
	.beta.-Pinene	127-91-3	mg/kg					
	1,2,3,4-Tetramethylbenzene	488-23-3	mg/kg					
	1,2,3-Trimethylbenzene	526-73-8	mg/kg					
	1,2,4,5-Tetramethylbenzene	95-93-2	mg/kg					
	1,2,4-Trithiolane	289-16-7	mg/kg					
	1,3-Cyclopentadiene, 1,2,3,4-tetramethyl-	76089-59-3	mg/kg					
	1,4-Methanonaphthalene, 1,4-dihydro-	4453-90-1	mg/kg					
	1-Heptene	592-76-7	mg/kg					
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg					
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg					
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	mg/kg					
	1H-Indene, 2,3-dihydro-4,7-dimethyl-	6682-71-9	mg/kg					
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	mg/kg					
	1H-Indene,2,3-dihydro-2,2-dimethyl-	20836-11-7	mg/kg					
	1-Pentene	109-67-1	mg/kg					
	1-Propene, 1,2-dichloro-	563-54-2	mg/kg					
	1-Propene, 3-chloro-	107-05-1	mg/kg					
	1R-.alpha.-Pinene	7785-70-8	mg/kg					
	2,4-Dithiapentane	1618-26-4	mg/kg					
	2-Chlorotoluene	95-49-8	mg/kg					
	2-Ethyltoluene	611-14-3	mg/kg					
	2-Isopropyltoluene	527-84-4	mg/kg					
	2-Methylnaphthalene	91-57-6	mg/kg					
	2-Pentanone	107-87-9	mg/kg					
	2-Propenal, 2-methyl-	78-85-3	mg/kg					
	3-Methylbenzothiophene	1455-18-1	mg/kg					
	3-Penten-2-one, 4-methyl-	141-79-7	mg/kg					
	4-Chlorotoluene	106-43-4	mg/kg					
	4-Nonanone, 2,6,8-trimethyl-	123-18-2	mg/kg					
	Benzenamine, 2-chloro-N,N-dimethyl-	698-01-1	mg/kg					
	Benzenamine, N,N,2-trimethyl-	609-72-3	mg/kg					
	Benzene, (2-methyl-1-propenyl)-	768-49-0	mg/kg					
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg					
	Benzene, 1-ethenyl-2-methyl-	611-15-4	mg/kg					
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	mg/kg					
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	mg/kg					
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	mg/kg					
	Benzeneacetaldehyde, .alpha.-methyl-	93-53-8	mg/kg					
	Benzocycloheptatriene	264-09-5	mg/kg					
	Butane, 2-methyl-	78-78-4	mg/kg					
	Camphene	79-92-5	mg/kg					
	Cyclopentane, 1,3,5-trimethyl-, (1alpha,2alpha,3beta)-	15890-40-1	mg/kg					
	Cyclohexane, 1,3,5-trimethyl-, (1alpha,3alpha,5beta)-	1795-26-2	mg/kg					
	Cyclohexane, 1-methyl-4-(1-methylethyl)-	99-82-1	mg/kg					
	Cyclopentane	287-92-3	mg/kg					
	Cyclopentane, 1,2,4-trimethyl-	2815-58-9	mg/kg					
	Cyclopentane, 1,2,4-trimethyl-, (1alpha,2beta,4alpha)-	16883-48-0	mg/kg					
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg				0.0042	JN
	D-Limonene	5989-27-5	mg/kg					

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location	T-41		T-42	
				Sample Date	7/22/2013 11:00		7/29/2013 11:00	
				Sample ID	TMW-T41 (30-30.5)(072213)		TMW-T42 (8-10)(072913)	
				Depth Interval	30 - 30.5 ft		8 - 10 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	
VOCs	Epichlorohydrin	106-89-8	mg/kg					
Method	Hexane, 2,4-dimethyl-	589-43-5	mg/kg					
SW8260B/C	Hexane, 2-methyl-	591-76-4	mg/kg					
TIC (Cont.)	Hexane, 3-methyl-	589-34-4	mg/kg					
	Limonene	138-86-3	mg/kg					
	Methacrylonitrile	126-98-7	mg/kg					
	Methyl methacrylate	80-62-6	mg/kg					
	N,N-Dimethylaniline	121-69-7	mg/kg					
	Naphthalene, decahydro-	91-17-8	mg/kg					
	n-Pentane	109-66-0	mg/kg					
	N-Propylbenzene	103-65-1	mg/kg					
	n-Undecane	1120-21-4	mg/kg					
	Octane, 2,6-dimethyl-	2051-30-1	mg/kg					
	Pentane, 2,3,4-trimethyl-	565-75-3	mg/kg					
	Pentane, 2,3-dimethyl-	565-59-3	mg/kg					
	Pentane, 2,4-dimethyl-	108-08-7	mg/kg					
	Pentane, 3-ethyl-	617-78-7	mg/kg					
	Propanal, 2-methyl-	78-84-2	mg/kg					
	Silanol, trimethyl-	1066-40-6	mg/kg					
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg					
	trans-Decahydronaphthalene	493-02-7	mg/kg					
	Triethylamine	121-44-8	mg/kg					
	Undecane, 5,6-dimethyl-	17615-91-7	mg/kg					
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	mg/kg					
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	mg/kg					
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	mg/kg					
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	mg/kg					
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	mg/kg					
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	mg/kg					
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	mg/kg					
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	mg/kg					
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	mg/kg					
SVOCs	1,1,2,2-Tetrachloroethane	79-34-5	mg/kg		R		R	
Method	1,1,2-Trichloroethane	79-00-5	mg/kg					
SW8270C/D	1,2,4-Trichlorobenzene	120-82-1	mg/kg					
TIC	1,3,5-Trimethylbenzene	108-67-8	mg/kg					
	11H-Benzo[a]fluorene	238-84-6	mg/kg					
	11H-Benzo[b]fluorene	243-17-4	mg/kg					
	1H-Cyclopropa[1]phenanthrene, 1a,9b-dihydro-	949-41-7	mg/kg					
	1H-Indene, 2,3-dihydro-1,2-dimethyl-	17057-82-8	mg/kg					
	1H-Indene, 2,3-dihydro-1,6-dimethyl-	17059-48-2	mg/kg					
	1H-Indene, 2-phenyl-	4505-48-0	mg/kg					
	1-Phenyl-1-butene	824-90-8	mg/kg					
	1R-,alpha-,Pinene	7785-70-8	mg/kg					
	2,8,9-Trioxa-5-aza-1-borabicyclo[3.3.3]undecane	283-56-7	mg/kg			0.18	JN	
	2-Cyclohexen-1-one	930-68-7	mg/kg					
	2-Isopropyltoluene	527-84-4	mg/kg					
	2-Octene	111-67-1	mg/kg					
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	mg/kg					
	4H-Cyclopenta[def]phenanthrene	203-64-5	mg/kg					
	4-Isopropyl-2,2,5,5-tetramethyl-3-imidaz	72342-96-2	mg/kg					

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location	T-41		T-42	
				Sample Date	7/22/2013 11:00		7/29/2013 11:00	
				Sample ID	TMW-T41 (30-30.5)(072213)		TMW-T42 (8-10)(072913)	
				Depth Interval	30 - 30.5 ft		8 - 10 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	
SVOCs Method SW8270C/D TIC (Cont.)	7,12-Dimethylbenz(a)anthracene	57-97-6	mg/kg					
	7H-Benzo[c]fluorene	205-12-9	mg/kg					
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	mg/kg					
	9H-Fluorene, 2-methyl-	1430-97-3	mg/kg					
	9-Octadecenamide, (Z)-	301-02-0	mg/kg					
	Anthracene, 1-methyl-	610-48-0	mg/kg					
	Anthracene, 2-methyl-	613-12-7	mg/kg					
	Anthracene, 9-methyl-	779-02-2	mg/kg					
	Benzaldehyde, 4-(dimethylamino)-	100-10-7	mg/kg					
	Benzene, (3-methyl-2-butenyl)-	4489-84-3	mg/kg					
	Benzene, 1,2-diethyl-	135-01-3	mg/kg					
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	mg/kg					
	Benzene, 1-methyl-3-propyl-	1074-43-7	mg/kg					
	Benzene, 1-methyl-4-(2-propenyl)-	3333-13-9	mg/kg					
	Benzo[b]naphtho[2,1-d]furan	239-30-5	mg/kg					
	Benzo[b]naphtho[2,3-d]furan	243-42-5	mg/kg					
	Benzo[e]pyrene	192-97-2	mg/kg					
	Benzo[k]xanthene	200-23-7	mg/kg					
	Benzoic acid	65-85-0	mg/kg					
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	mg/kg					
	Cyclohexane, (2-methylpropyl)-	1678-98-4	mg/kg					
	Cyclohexanone	108-94-1	mg/kg					
	Cyclohexasiloxane, dodecamethyl-	540-97-6	mg/kg					
	Cyclotetrasiloxane, octamethyl-	556-67-2	mg/kg					
	Decane, 4-methyl-	2847-72-5	mg/kg					
	Di(2-ethylhexyl) Adipate	103-23-1	mg/kg					
	Dibenzothiophene	132-65-0	mg/kg					
	Dibenzothiophene, 3-methyl-	16587-52-3	mg/kg					
	Diphenyl ether	101-84-8	mg/kg				0.17	JN
	Fluoranthene, 2-methyl-	33543-31-6	mg/kg					
	Formylmethylenetriphenylphosphorane	28900-91-6	mg/kg					
	Methanethione, bis[4-(dimethylamino)phenyl]-	1226-46-6	mg/kg					
	Methanone, bis[4-(dimethylamino)phenyl]-	90-94-8	mg/kg					
	Methylene Chloride	75-09-2	mg/kg					
	m-Xylene	108-38-3	mg/kg					
	Naphthalene, 1,6-dimethyl-	575-43-9	mg/kg					
	Naphthalene, 1-ethoxy-	1/8/5328	mg/kg					
	Naphthalene, 1-phenyl-	605-02-7	mg/kg					
	Naphthalene, 2,3-dimethyl-	581-40-8	mg/kg					
	Naphthalene, 2,6-dimethyl-	581-42-0	mg/kg					
	Naphthalene, 2-phenyl-	612-94-2	mg/kg					
	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	16587-34-1	mg/kg					
	n-Butylbenzene	104-51-8	mg/kg					
	n-Dodecane	112-40-3	mg/kg				0.4	JN
	n-Heneicosane	629-94-7	mg/kg					
	n-Heptadecane	629-78-7	mg/kg					
	n-Hexadecane	544-76-3	mg/kg					
	n-Hexadecanoic acid	57-10-3	mg/kg					
	N-Nitrosodimethylamine	62-75-9	mg/kg					
	N-Nitrosomethylethylamine	10595-95-6	mg/kg					
	n-Octadecane	593-45-3	mg/kg					

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location	T-41		T-42	
				Sample Date	7/22/2013 11:00		7/29/2013 11:00	
				Sample ID	TMW-T41 (30-30.5)(072213)		TMW-T42 (8-10)(072913)	
				Depth Interval	30 - 30.5 ft		8 - 10 ft	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	
SVOCs Method SW8270C/D TIC (Cont.)	Nonane, 2,6-dimethyl-	17302-28-2	mg/kg					
	n-Pentacosane	629-99-2	mg/kg					
	n-Tetracosane	646-31-1	mg/kg					
	n-Tridecane	629-50-5	mg/kg			0.19	JN	
	n-Undecane	1120-21-4	mg/kg			0.48	JN	
	Octanoic Acid	124-07-2	mg/kg					
	Oxime-, methoxy-phenyl-	1000222-86-6	mg/kg					
	o-Xylene	95-47-6	mg/kg					
	Perylene	198-55-0	mg/kg					
	Phenanthrene, 1-methyl-	832-69-9	mg/kg					
	Phenanthrene, 2,3-dimethyl-	3674-65-5	mg/kg					
	Phenanthrene, 2,5-dimethyl-	3674-66-6	mg/kg					
	Phenanthrene, 2-methyl-	2531-84-2	mg/kg					
	Phenol, (1,1,3,3-tetramethylbutyl)-	27193-28-8	mg/kg					
	Phenol, 2-(phenylmethyl)-	28994-41-4	mg/kg					
	Phenol, 4-(1,1-dimethylethyl)-	98-54-4	mg/kg					
	Phenol, 4-(phenylmethyl)-	101-53-1	mg/kg					
	Phenyltoloxamine	92-12-6	mg/kg					
	p-Isopropyltoluene	99-87-6	mg/kg					
	p-Xylene	106-42-3	mg/kg					
	Pyrene, 1-methyl-	2381-21-7	mg/kg					
	Pyrene, 4-methyl-	12/6/3353	mg/kg					
	Tetrasiloxane, decamethyl-	141-62-8	mg/kg					
	trans-Decahydronaphthalene	493-02-7	mg/kg					
	Tricyclo[3.3.3.0(1,5)]undecane, 2,8,9-tri	15277-97-1	mg/kg					
	Triphenylene, 2-methyl-	1705-84-6	mg/kg					
	Triphenylphosphine oxide	791-28-6	mg/kg					
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	mg/kg			R		
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	mg/kg				0.23	JN
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	mg/kg				0.19	JN
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	mg/kg				0.18	JN
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	mg/kg				0.16	JN
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	mg/kg					
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	mg/kg					
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	mg/kg					
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	mg/kg					
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	mg/kg					
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	mg/kg					
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	mg/kg					

See Notes on Page 61.

Table 1.2
Soil Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Notes:

Bold Result = Analyte detected in sample.
Parent sample for FD-05(100113) could not be identified.
Blank results indicate TIC was not identified in the sample.
CAS = Chemical Abstracts Service.
mg/kg = milligrams per kilogram.
SVOC = semivolatile organic compound.
TIC = tentatively identified compound.
VOC = volatile organic compound.

Qualifier Definitions:

J = Estimated value. Result is < the RL but = MDL.
E = Estimated value. Result exceeds calibration range.
N = Presumptive evidence of material.
R = Rejected Result.
J N = Result is an estimated value and the analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		B55-1		B55-2		BCP-B20-001		BCP-B20-002		BCP-B20-003		BLD 1-1a		BLD 1-2	
					Sample Date		10/24/2013 11:50		10/24/2013 13:25		9/26/2012 13:55		9/26/2012 12:20		9/26/2012 0:00		9/26/2012 10:20		10/23/2013 15:00	
					Sample ID		B55-1 (102413)		B55-2 (102413)		BCP-B20-TW001		BCP-B20-TW002		FD-09262012		BCP-B20-TW003		BLD1-1 (102313)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	ug/L	5	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1	U
	1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1	U
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/L	5	1	U	8	UJ	1	U	1	U	1	U	1	UJ	1	U	1	D
	1,1,2-Trichloroethane	79-00-5	ug/L	1	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1	U
	1,1-Dichloroethane	75-34-3	ug/L	5	1	U	8	U	1	U	0.45	J	0.47	J	1	U	1	U	1	U
	1,1-Dichloroethene	75-35-4	ug/L	5	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1.2	U
	1,2,3-Trichlorobenzene	87-61-6	ug/L	5	1	U	8	U	1	U	1	U	1	U	1	U	1	UJ	1	U
	1,2,4-Trichlorobenzene	120-82-1	ug/L	5	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1	U
	1,2,4-Trimethylbenzene	95-63-6	ug/L	5	1	U	500		1	U	1	U	1	U	1	U	1	U	1	U
	1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	0.04	1	UJ	8	UJ	1	U	1	U	1	U	1	U	1	U	1	U
	1,2-Dibromoethane	106-93-4	ug/L	0.0006	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1	U
	1,2-Dichlorobenzene	95-50-1	ug/L	3	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1	U
	1,2-Dichloroethane	107-06-2	ug/L	0.6	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1	U
	1,2-Dichloropropane	78-87-5	ug/L	1	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1	U
	1,3,5-Trimethylbenzene	108-67-8	ug/L	5	1	U	140		1	U	1	U	1	U	1	U	1	U	1	U
	1,3-Dichlorobenzene	541-73-1	ug/L	3	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1	U
	1,4-Dichlorobenzene	106-46-7	ug/L	3	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1	U
	1,4-Dioxane	123-91-1	ug/L	NA	40	UJ	320	UJ		R		R		R		R	40	UJ	40	UJ
	2-Butanone	78-93-3	ug/L	50	10	U	12	J	10	U	10	U	10	U	10	U	10	U	10	U
	2-Hexanone	591-78-6	ug/L	50	5	U	40	U	5	U	5	U	5	U	5	U	5	U	5	U
	2-Nitropropane	79-46-9	ug/L	NA	9.3	J	40	UJ	5	U	5	U	5	U	5	U	5	UJ	5	UJ
	4-Methyl-2-pentanone	108-10-1	ug/L	NA	5	U	40	U	5	U	5	U	5	U	5	U	5	U	5	U
	Acetone	67-64-1	ug/L	50	7.5	J	31	J	7.8	J	10		9	J	4	J	4.3	J	31	
	Acetonitrile	75-05-8	ug/L	NA	40	U	320	U	40	UJ	40	UJ	40	UJ	40	UJ	40	UJ	40	UJ
	Benzene	71-43-2	ug/L	1	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1	U
	Bromochloromethane	74-97-5	ug/L	5	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1	U
	Bromodichloromethane	75-27-4	ug/L	50	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1	U
	Bromoform	75-25-2	ug/L	50	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1	UJ
	Bromomethane	74-83-9	ug/L	5	1	U	8	U	1	U	1	U	1	UJ	1	U	1	U	1	UJ
	Carbon disulfide	75-15-0	ug/L	60	1	U	8	UJ	1	U	0.2	J	1	U	1	U	1	U	0.54	J
	Carbon tetrachloride	56-23-5	ug/L	5	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1	U
	Chlorobenzene	108-90-7	ug/L	5	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1	U
	Chlorodifluoromethane	75-45-6	ug/L	5	1	UJ	8	UJ	1	U	1	U	1	U	1	U	1	UJ	2	J
	Chloroethane	75-00-3	ug/L	5	1	U	8	U	1	U	1	U	1	U	1	U	0.55	J	1	U
	Chloroform	67-66-3	ug/L	7	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1	U
	Chloromethane	74-87-3	ug/L	5	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1	U
	cis-1,2-Dichloroethene	156-59-2	ug/L	5	1	U	8	U	1	U	1	U	1	U	1	U	22		2.7	
	cis-1,3-Dichloropropene	10061-01-5	ug/L	0.4	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1	U
	Cyclohexane	110-82-7	ug/L	NA	0.63	J	350	J	1	U	1	U	1	U	0.74	J	1	UJ	1	U
	Cyclohexanone	108-94-1	ug/L	NA	10	UJ	80	UJ	10	U	10	U	10	U	10	U	10	UJ	10	UJ
	Dibromochloromethane	124-48-1	ug/L	50	1	UJ	8	UJ	1	U	1	U	1	U	1	U	1	U	1	U
	Dichlorodifluoromethane	75-71-8	ug/L	5	1	UJ	8	UJ	1	U	1	U	1	U	1	U	1	UJ	1	J
	Diethyl ether	60-29-7	ug/L	NA	1	UJ	8	UJ	1	U	1	U	1	U	1	U	1	UJ	1	UJ
	Ethyl acetate	141-78-6	ug/L	NA	1	UJ	8	UJ	1	U	1	U	1	U	1	U	1	UJ	1	UJ
	Ethylbenzene	100-41-4	ug/L	5	1	U	350		1	U	1	U	1	U	1	U	1	U	1	U
	Isobutanol	78-83-1	ug/L	NA	40	UJ	320	UJ	40	UJ	40	UJ	40	UJ	40	UJ	40	UJ	40	UJ
	Isopropylbenzene	98-82-8	ug/L	5	1	U	94		1	U	1	U	1	U	1	U	1	U	1	U
	m&p-Xylene	179601-23-1	ug/L	5	2	U	300		2	U	2	U	2	U	2	U	2	U	2	U

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		B55-1		B55-2		BCP-B20-001		BCP-B20-002		BCP-B20-003		BLD 1-1a		BLD 1-2	
					Sample Date		10/24/2013 11:50		10/24/2013 13:25		9/26/2012 13:55		9/26/2012 12:20		9/26/2012 0:00		9/26/2012 10:20		10/23/2013 15:00	
					Sample ID		B55-1 (102413)		B55-2 (102413)		BCP-B20-TW001		BCP-B20-TW002		FD-09262012		BCP-B20-TW003		BLD1-1 (102313)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Methyl acetate	79-20-9	ug/L	NA	1	U	8	U	1	UJ	1	UJ	1	UJ	1	U	1	U	1	U
	Methyl tert-butyl ether	1634-04-4	ug/L	10	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1	U
	Methylcyclohexane	108-87-2	ug/L	†	1	U	200	J	1	U	1	U	1	U	1	U	1	U	1	U
	Methylene Chloride	75-09-2	ug/L	5	1	U	36		1	U	1	U	1	U	1	U	1	U	1.5	
	Naphthalene	91-20-3	ug/L	10	1	U	320		1	U	1	U	1	U	1	U	1	U	1	U
	n-Butanol	71-36-3	ug/L	50	40	UJ	320	UJ	40	UJ	40	UJ	40	UJ	40	UJ	40	UJ	40	UJ
	n-Butylbenzene	104-51-8	ug/L	5	1	U	34		1	U	1	U	1	U	1	U	1	U	1	U
	n-Heptane	142-82-5	ug/L	NA	20	UJ	9.8	J	20	U	20	U	20	U	20	U	20	UJ	20	UJ
	n-Hexane	110-54-3	ug/L	NA	10	UJ	130	J	10	U	10	U	10	U	10	U	10	UJ	10	UJ
	o-Xylene	95-47-6	ug/L	5	1	U	68		1	U	1	U	1	U	1	U	1	U	1	U
	p-Isopropyltoluene	99-87-6	ug/L	5	2.5		4.8	J	1	U	1	U	1	U	1	U	1	U	1	U
	sec-Butylbenzene	135-98-8	ug/L	5	1	U	10		1	U	1	U	1	U	1	U	1	U	1	U
	Styrene	100-42-5	ug/L	5	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1	U
	tert-Butanol	75-65-0	ug/L	NA	20	UJ	160	UJ	20	UJ	20	UJ	20	UJ	20	UJ	20	UJ	20	UJ
	tert-Butylbenzene	98-06-6	ug/L	5	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1	U
	Tetrachloroethene	127-18-4	ug/L	5	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1	U
	Tetrahydrofuran	109-99-9	ug/L	50	5	U	40	U	5	U	5	U	5	U	5	U	5	U	5	U
	Toluene	108-88-3	ug/L	5	1	U	9.9		1	U	1	U	1	U	1	U	1	U	1	U
	trans-1,2-Dichloroethene	156-60-5	ug/L	5	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1	U
	trans-1,3-Dichloropropene	10061-02-6	ug/L	0.4	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1	U
	Trichloroethene	79-01-6	ug/L	5	1	U	8	U	0.68	J	2		2		1	U	1	U	1	U
	Trichlorofluoromethane	75-69-4	ug/L	5	1	U	8	U	1	U	1	U	1	U	1	U	1	U	1	U
	Vinyl chloride	75-01-4	ug/L	2	1	U	8	U	1	U	1	U	1	U	1	U	62		1	U
	Xylenes (total)	1330-20-7	ug/L	5	2	U	370		2	U	2	U	2	U	2	U	2	U	2	U
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	ug/L	5	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	2,2'-Oxybis(1-Chloropropane)	108-60-1	ug/L	5	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	1	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	2,4,5-Trichlorophenol	95-95-4	ug/L	1	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	2,4,6-Trichlorophenol	88-06-2	ug/L	1	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	2,4-Dichloropheno	120-83-2	ug/L	1	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	2,4-Dimethylpheno	105-67-9	ug/L	1	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	2,4-Dinitropheno	51-28-5	ug/L	1	11	UJ	220	UJ	9.5	UJ	95	UJ	94	UJ	9.5	UJ	11	U	9.8	U
	2,4-Dinitrotoluene	121-14-2	ug/L	5	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	2,6-Dinitrotoluene	606-20-2	ug/L	5	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	2-Chloronaphthalene	91-58-7	ug/L	10	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	2-Chloropheno	95-57-8	ug/L	1	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	2-Methylnaphthalene	91-57-6	ug/L	NA	5.3	U	110	J	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	2-Methylpheno	95-48-7	ug/L	1	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	2-Nitroaniline	88-74-4	ug/L	5	11	U	220	UJ	9.5	U	95	U	94	U	9.5	U	11	U	9.8	U
	2-Nitrophenol	88-75-5	ug/L	1	1.5	J	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	3 & 4 Methylpheno	MEPH3MEPH4	ug/L	1	11	U	220	UJ	9.5	U	95	U	94	U	9.5	U	11	U	9.8	U
	3,3'-Dichlorobenzidine	91-94-1	ug/L	5	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	3-Nitroaniline	99-09-2	ug/L	5	11	UJ	220	UJ	9.5	U	95	U	94	U	9.5	U	11	UJ	9.8	UJ
	4,6-Dinitro-2-methylpheno	534-52-1	ug/L	1	11	UJ	220	UJ	9.5	U	95	U	94	U	9.5	U	11	U	9.8	U
	4-Bromophenyl phenyl ethe	101-55-3	ug/L	NA	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	4-Chloro-3-methylpheno	59-50-7	ug/L	1	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	4-Chloroaniline	106-47-8	ug/L	5	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	UJ

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		B55-1		B55-2		BCP-B20-001		BCP-B20-002		BCP-B20-003		BLD 1-1a		BLD 1-2	
					Sample Date		10/24/2013 11:50		10/24/2013 13:25		9/26/2012 13:55		9/26/2012 12:20		9/26/2012 0:00		9/26/2012 10:20		10/23/2013 15:00	
					Sample ID		B55-1 (102413)		B55-2 (102413)		BCP-B20-TW001		BCP-B20-TW002		FD-09262012		BCP-B20-TW003		BLD1-1 (102313)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	4-Chlorophenyl phenyl ether	7005-72-3	ug/L	NA	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	4-Methylphenol	106-44-5	ug/L	1	11	U	220	UJ	--	--	--	--	--	--	--	--	11	U	9.8	U
	4-Nitroaniline	100-01-6	ug/L	5	11	U	220	UJ	9.5	U	95	U	94	U	9.5	U	11	U	9.8	U
	4-Nitrophenol	100-02-7	ug/L	1	11	UJ	220	UJ	9.5	U	95	U	94	U	9.5	U	11	U	9.8	U
	Acenaphthene	83-32-9	ug/L	20	3.5	J	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Acenaphthylene	208-96-8	ug/L	NA	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Acetophenone	98-86-2	ug/L	NA	5.3	U	37	J	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Aniline	62-53-3	ug/L	5	11	U	220	UJ	9.5	U	95	U	94	U	9.5	U	11	U	9.8	U
	Anthracene	120-12-7	ug/L	50	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Atrazine	1912-24-9	ug/L	7.5	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Benzaldehyde	100-52-7	ug/L	NA		R		R	4.7	U	47	U	47	U	4.7	U	5.7	UJ	4.9	U
	Benzo(a)anthracene	56-55-3	ug/L	0.002	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Benzo(a)pyrene	50-32-8	ug/L	ND	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Benzo(b)fluoranthene	205-99-2	ug/L	0.002	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Benzo(g,h,i)perylene	191-24-2	ug/L	NA	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Benzo(k)fluoranthene	207-08-9	ug/L	0.002	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Benzyl alcoho	100-51-6	ug/L	NA	21	U	430	UJ	19	U	190	U	190	U	19	U	23	U	20	U
	Bis(2-chloroethoxy)methane	111-91-1	ug/L	5	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Bis(2-chloroethyl)ether	111-44-4	ug/L	1	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	5	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	2.1	J	4.9	U
	Butyl benzyl phthalate	85-68-7	ug/L	50	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Caprolactam	105-60-2	ug/L	NA	5.3	U	110	UJ	4.7	UJ	47	UJ	47	UJ	4.7	UJ	5.7	U	4.9	U
	Carbazole	86-74-8	ug/L	NA	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Chrysene	218-01-9	ug/L	0.002	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Dibenz(a,h)anthracene	53-70-3	ug/L	NA	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Dibenzofuran	132-64-9	ug/L	NA	0.6	J	220	UJ	9.5	U	95	U	94	U	9.5	U	11	U	9.8	U
	Dicyclohexylamine	101-83-7	ug/L	†	11	UJ	480	J					810		740		150		11	UJ
	Diethyl phthalate	84-66-2	ug/L	50	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Dimethyl phthalate	131-11-3	ug/L	50	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Di-n-butyl phthalate	84-74-2	ug/L	50	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	0.58	J	4.9	U
	Di-n-octyl phthalate	117-84-0	ug/L	50	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Fluoranthene	206-44-0	ug/L	50	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Fluorene	86-73-7	ug/L	50	0.63	J	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Hexachlorobenzene	118-74-1	ug/L	0.04	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Hexachlorobutadiene	87-68-3	ug/L	0.5	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Hexachlorocyclopentadiene	77-47-4	ug/L	5	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Hexachloroethane	67-72-1	ug/L	5	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Indeno(1,2,3-cd)pyrene	193-39-5	ug/L	0.002	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Isophorone	78-59-1	ug/L	50	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	n,n-Dimethylaniline	121-69-7	ug/L	1	5.3	UJ	110	UJ	--	--	--	--	--	--	--	--	5.7	UJ	4.9	UJ
	Naphthalene	91-20-3	ug/L	10	5.3	U	220	J	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Nitrobenzene	98-95-3	ug/L	0.4	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	N-Nitroso-di-n-propylamine	621-64-7	ug/L	NA	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	N-Nitrosodiphenylamine	86-30-6	ug/L	50	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Pentachloropheno	87-86-5	ug/L	1	11	UJ	220	UJ	9.5	U	95	U	94	U	9.5	U	11	U	9.8	U
	Phenanthrene	85-01-8	ug/L	50	0.65	J	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U
	Phenol	108-95-2	ug/L	1	17		110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		B55-1		B55-2		BCP-B20-001		BCP-B20-002				BCP-B20-003		BLD 1-1a		BLD 1-2	
					Sample Date		10/24/2013 11:50		10/24/2013 13:25		9/26/2012 13:55		9/26/2012 12:20		9/26/2012 0:00		9/26/2012 10:20		10/23/2013 15:00		9/23/2013 11:10	
					Sample ID		B55-1 (102413)		B55-2 (102413)		BCP-B20-TW001		BCP-B20-TW002		FD-09262012		BCP-B20-TW003		BLD1-1 (102313)		BLD 1-2 (092313)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
SVOCs	Total Phenols	Arc-Tphen	ug/L	1	18.5	J	ND		ND		ND		ND		ND		ND		ND			
Method	Pyrene	129-00-0	ug/L	50	5.3	U	110	UJ	4.7	U	47	U	47	U	4.7	U	5.7	U	4.9	U		
SW8270C/D	Pyridine	110-86-1	ug/L	50	26	UJ	540	UJ	24	U	240	U	240	U	24	U	28	UJ	25	U		
(Cont.)	Triethylamine	121-44-8	ug/L	NA	5.3	UJ	110	UJ	--	--	--	--	--	--	--	--	12	J	4.9	UJ		
Alcohol	Ethanol	64-17-5	mg/L	†	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U		
Method	Ethylene glyco	107-21-1	mg/L	0.05	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		
SW8015B/D	Isopropyl alcohol	67-63-0	mg/L	NA	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U		
	Methanol	67-56-1	mg/L	NA	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U		
	Propylene glycol	57-55-6	mg/L	1	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U		

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		BLD 1-3		BLD 1-4A		BLD 4A-1		BLD 4B-1		BLD 5-1		BLD 5A-1		BLD 8-1		BLD 8-2	
					Sample Date		9/25/2013 16:35		9/23/2013 14:45		9/20/2013 10:55		9/26/2013 16:35		9/26/2013 16:10		9/24/2013 12:50		9/19/2013 11:35		9/19/2013 14:45	
					Sample ID		BLD 1-3 (092513)		BLD 1-4A (092313)		BLD 4A-1 (092013)		BLD4B-1 (092613)		BLD5-1 (092613)		BLD5A-1 (92413)		BLD 8-1 (091913)		BLD 8-2 (091913)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	ug/L	5	1.6		1	U	8	U	5	U	2	U	1	U	4	U	4	U	4	U
	1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5		U	1	U	8	U	5	U	2	U	1	U	4	U	4	U	4	U
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/L	5	34		1,200	D	2.8	J	5	U	980	DJ	1	U	4	U	4	U	4	U
	1,1,2-Trichloroethane	79-00-5	ug/L	1	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U	4	U
	1,1-Dichloroethane	75-34-3	ug/L	5	14		1	U	8	U	5	U	2	U	3.4		4	U	4	U	4	U
	1,1-Dichloroethene	75-35-4	ug/L	5	44		2.8	J	29		72		15		4.2		1.9	J	48			
	1,2,3-Trichlorobenzene	87-61-6	ug/L	5	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U	4	U
	1,2,4-Trichlorobenzene	120-82-1	ug/L	5	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U	4	U
	1,2,4-Trimethylbenzene	95-63-6	ug/L	5	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U	4	U
	1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	0.04	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U	4	U
	1,2-Dibromoethane	106-93-4	ug/L	0.0006	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U	4	U
	1,2-Dichlorobenzene	95-50-1	ug/L	3	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U	4	U
	1,2-Dichloroethane	107-06-2	ug/L	0.6	1	U	1	U	8	U	5	U	2	U	1.4		4	U	4	U	4	U
	1,2-Dichloropropane	78-87-5	ug/L	1	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U	4	U
	1,3,5-Trimethylbenzene	108-67-8	ug/L	5	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U	4	U
	1,3-Dichlorobenzene	541-73-1	ug/L	3	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U	4	U
	1,4-Dichlorobenzene	106-46-7	ug/L	3	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U	4	U
	1,4-Dioxane	123-91-1	ug/L	NA	40	UJ	40	UJ	320	UJ	200	UJ	80	UJ	110	J	160	UJ	160	UJ	160	UJ
	2-Butanone	78-93-3	ug/L	50	10	U	10	U	80	U	50	U	20	U	26		40	U	34	J		
	2-Hexanone	591-78-6	ug/L	50	5	U	5	U	40	U	8.4	J	10	U	11		20	U	20	U		
	2-Nitropropane	79-46-9	ug/L	NA	5	UJ	5	UJ	40	UJ	25	UJ	10	UJ	5	UJ	20	UJ	20	UJ	20	UJ
	4-Methyl-2-pentanone	108-10-1	ug/L	NA	5	U	5	U	76,000	D	1,100		10	U	37		20	U	18	J		
	Acetone	67-64-1	ug/L	50	10	U	10	U	8,300	DJ	1,200		6.3	J	180		28	J	460			
	Acetonitrile	75-05-8	ug/L	NA	40	UJ	40	UJ	320	UJ	200	U	80	U	40	UJ	160	U	160	U		
	Benzene	71-43-2	ug/L	1	1	U	1	U	8	U	2.4	J	2	U	1	U	4	U	4	U		
	Bromochloromethane	74-97-5	ug/L	5	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U		
	Bromodichloromethane	75-27-4	ug/L	50	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U		
	Bromoform	75-25-2	ug/L	50	1	U	1	U	8	UJ	5	U	2	U	1	U	4	UJ	4	UJ		
	Bromomethane	74-83-9	ug/L	5	1	U	1	U	8	UJ	5	UJ	2	UJ	1	U	4	UJ	4	UJ		
	Carbon disulfide	75-15-0	ug/L	60	1	U	0.22	J	8	U	5	U	2	U	1	U	4	U	4	U		
	Carbon tetrachloride	56-23-5	ug/L	5	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U		
	Chlorobenzene	108-90-7	ug/L	5	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U		
	Chlorodifluoromethane	75-45-6	ug/L	5	1	UJ	1	UJ	8	UJ	5	UJ	2	UJ	1	UJ	4	UJ	4	UJ		
	Chloroethane	75-00-3	ug/L	5	1	U	1	U	8	U	5	U	2	U	0.34	J	4	U	4	U		
	Chloroform	67-66-3	ug/L	7	2		3.4		8	U	5	U	49		1	U	4	U	1.5	J		
	Chloromethane	74-87-3	ug/L	5	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U		
	cis-1,2-Dichloroethene	156-59-2	ug/L	5	1.2		1	U	8	U	5	U	66		1	U	4	U	4	U		
	cis-1,3-Dichloropropene	10061-01-5	ug/L	0.4	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U		
	Cyclohexane	110-82-7	ug/L	NA	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U		
	Cyclohexanone	108-94-1	ug/L	NA	10	UJ	10	UJ		R	70	J		R	10	UJ		R		R		
	Dibromochloromethane	124-48-1	ug/L	50	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U		
	Dichlorodifluoromethane	75-71-8	ug/L	5	1.8		4.3		8	U	5	UJ	2	UJ	1	U	4	U	4	U		
	Diethyl ether	60-29-7	ug/L	NA	1	UJ	1	UJ	8	UJ	5	UJ	2	UJ	1	UJ	4	UJ	4	UJ		
	Ethyl acetate	141-78-6	ug/L	NA	1	UJ	1	UJ	8	UJ	5	UJ	2	UJ	1	UJ	4	UJ	4	UJ		
	Ethylbenzene	100-41-4	ug/L	5	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U		
	Isobutanol	78-83-1	ug/L	NA	40	UJ	40	UJ	160	J	960	J	80	UJ	40	UJ	160	UJ	160	UJ		
	Isopropylbenzene	98-82-8	ug/L	5	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U		
	m&p-Xylene	179601-23-1	ug/L	5	2	U	2	U	16	U	14		4	U	2	U	8	U	8	U		

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		BLD 1-3		BLD 1-4A		BLD 4A-1		BLD 4B-1		BLD 5-1		BLD 5A-1		BLD 8-1		BLD 8-2	
					Sample Date		9/25/2013 16:35		9/23/2013 14:45		9/20/2013 10:55		9/26/2013 16:35		9/26/2013 16:10		9/24/2013 12:50		9/19/2013 11:35		9/19/2013 14:45	
					Sample ID		BLD 1-3 (092513)		BLD 1-4A (092313)		BLD 4A-1 (092013)		BLD4B-1 (092613)		BLD5-1 (092613)		BLD5A-1 (92413)		BLD 8-1 (091913)		BLD 8-2 (091913)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Methyl acetate	79-20-9	ug/L	NA	1	U	1	U	8	U	5	U	5	U	2	U	1	U	4	U	4	U
	Methyl tert-butyl ether	1634-04-4	ug/L	10	1	U	1	U	8	U	5	U	5	U	2	U	1	U	4	U	4	U
	Methylcyclohexane	108-87-2	ug/L	†	1	U	1	U	8	U	5	U	5	U	2	U	1	U	4	U	4	U
	Methylene Chloride	75-09-2	ug/L	5	2.4		3.7		8.1		7.7		0.88	J	0.81	J	2.2	J	6.4			
	Naphthalene	91-20-3	ug/L	10	1	U	1	U	8	U	79		2	U	0.99	J	4	U	4	U	4	U
	n-Butanol	71-36-3	ug/L	50	40	UJ	40	UJ	2,100	J	4,700	J	80	UJ	40	UJ	160	UJ	160	UJ	160	UJ
	n-Butylbenzene	104-51-8	ug/L	5	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U	4	U
	n-Heptane	142-82-5	ug/L	NA	20	UJ	20	UJ	160	UJ	100	UJ	40	UJ	20	UJ	80	UJ	80	UJ	80	UJ
	n-Hexane	110-54-3	ug/L	NA	10	UJ	10	UJ	80	UJ	50	UJ	20	UJ	10	UJ	40	UJ	40	UJ	40	UJ
	o-Xylene	95-47-6	ug/L	5	1	U	1	U	8	U	4.8	J	2	U	1	U	4	U	4	U	4	U
	p-Isopropyltoluene	99-87-6	ug/L	5	1	U	1	U	8	U	5	U	2	U	0.68	J	4	U	4	U	4	U
	sec-Butylbenzene	135-98-8	ug/L	5	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U	4	U
	Styrene	100-42-5	ug/L	5	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U	4	U
	tert-Butanol	75-65-0	ug/L	NA	16	J	20	UJ	190	J	430	J	40	UJ	29	J	80	UJ	80	UJ	80	UJ
	tert-Butylbenzene	98-06-6	ug/L	5	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U	4	U
	Tetrachloroethene	127-18-4	ug/L	5	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U	4	U
	Tetrahydrofuran	109-99-9	ug/L	50	5	U	5	U	35	J	25	U	10	U	5	U	20	U	20	U	20	U
	Toluene	108-88-3	ug/L	5	1	U	1	U	34		2.6	J	2	U	0.51	J	4	U	4	U	4	U
	trans-1,2-Dichloroethene	156-60-5	ug/L	5	1	U	1	U	8	U	5	U	7.2		1	U	4	U	4	U	4	U
	trans-1,3-Dichloropropene	10061-02-6	ug/L	0.4	1	U	1	U	8	U	5	U	2	U	1	U	4	U	4	U	4	U
	Trichloroethene	79-01-6	ug/L	5	0.6	J	3.1		8	U	5	U	250	DJ	1	U	4	U	4	U	4	U
	Trichlorofluoromethane	75-69-4	ug/L	5	2.1		5		8	U	5	U	8.5		1	U	4	U	19			
	Vinyl chloride	75-01-4	ug/L	2	1	U	1	U	8	U	5	U	2.1		1	U	4	U	4	U	4	U
	Xylenes (total)	1330-20-7	ug/L	5	2	U	2	U	16	U	19		4	U	2	U	8	U	8	U	8	U
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	ug/L	5	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U	4.9	U
	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U	4.9	U
	2,2'-Oxybis(1-Chloropropane)	108-60-1	ug/L	5	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U	4.9	U
	2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	1	5.2	U	5.1	U	5.3	U	1.4	J	5	U	50	U	4.8	U	4.9	U	4.9	U
	2,4,5-Trichlorophenol	95-95-4	ug/L	1	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U	4.9	U
	2,4,6-Trichlorophenol	88-06-2	ug/L	1	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U	4.9	U
	2,4-Dichloropheno	120-83-2	ug/L	1	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U	4.9	U
	2,4-Dimethylpheno	105-67-9	ug/L	1	5.2	U	5.1	U	5.3	U	68	EJ	5	U	31	J	4.8	U	7.6			
	2,4-Dinitropheno	51-28-5	ug/L	1	10	U	10	U	11	U	11	UJ	10	UJ	99	U	9.6	U	9.8	U	9.8	U
	2,4-Dinitrotoluene	121-14-2	ug/L	5	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U	4.9	U
	2,6-Dinitrotoluene	606-20-2	ug/L	5	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U	4.9	U
	2-Chloronaphthalene	91-58-7	ug/L	10	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U	4.9	U
	2-Chloropheno	95-57-8	ug/L	1	5.2	U	5.1	U	5.2	J	5.3	U	5	U	50	U	4.8	U	4.9	U	4.9	U
	2-Methylnaphthalene	91-57-6	ug/L	NA	5.2	U	5.1	U	5.3	U	3.8	J	5	U	50	U	4.8	U	4.9	U	4.9	U
	2-Methylpheno	95-48-7	ug/L	1	5.2	U	5.1	U	150	EJ	13		5	U	19	J	4.8	U	3.2	J		
	2-Nitroaniline	88-74-4	ug/L	5	10	U	10	U	11	U	11	U	10	U	99	U	9.6	U	9.8	U	9.8	U
	2-Nitrophenol	88-75-5	ug/L	1	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	1	J		
	3 & 4 Methylpheno	MEPH3MEPH4	ug/L	1	10	U	10	U	21		55		10	U	50	J	9.6	U	8.7	J		
	3,3'-Dichlorobenzidine	91-94-1	ug/L	5	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	UJ	4.9	UJ	4.9	UJ
	3-Nitroaniline	99-09-2	ug/L	5	10	U	10	UJ	11	UJ	11	U	10	U	99	U	9.6	UJ	9.8	UJ	9.8	UJ
	4,6-Dinitro-2-methylpheno	534-52-1	ug/L	1	10	U	10	U	11	U	11	UJ	10	UJ	99	U	9.6	U	9.8	U	9.8	U
	4-Bromophenyl phenyl ethe	101-55-3	ug/L	NA	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U	4.9	U
	4-Chloro-3-methylpheno	59-50-7	ug/L	1	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U	4.9	U
	4-Chloroaniline	106-47-8	ug/L	5	5.2	U	5.1	UJ	5.3	UJ	5.3	U	5	U	50	U	4.8	UJ	4.9	UJ	4.9	UJ

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		BLD 1-3		BLD 1-4A		BLD 4A-1		BLD 4B-1		BLD 5-1		BLD 5A-1		BLD 8-1		BLD 8-2	
					Sample Date		9/25/2013 16:35		9/23/2013 14:45		9/20/2013 10:55		9/26/2013 16:35		9/26/2013 16:10		9/24/2013 12:50		9/19/2013 11:35		9/19/2013 14:45	
					Sample ID		BLD 1-3 (092513)		BLD 1-4A (092313)		BLD 4A-1 (092013)		BLD4B-1 (092613)		BLD5-1 (092613)		BLD5A-1 (92413)		BLD 8-1 (091913)		BLD 8-2 (091913)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	4-Chlorophenyl phenyl ether	7005-72-3	ug/L	NA	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U		
	4-Methylphenol	106-44-5	ug/L	1	10	U	10	U	21		55		10	U	50	J	9.6	U	8.7	J		
	4-Nitroaniline	100-01-6	ug/L	5	10	U	10	U	11	U	11	U	10	U	99	U	9.6	U	9.8	U		
	4-Nitrophenol	100-02-7	ug/L	1	10	U	10	U	11	U	11	U	10	U	99	U	9.6	U	9.8	U		
	Acenaphthene	83-32-9	ug/L	20	5.2	U	5.1	U	5.3	U	7.6		5	U	50	U	0.54	J	4.9	U		
	Acenaphthylene	208-96-8	ug/L	NA	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U		
	Acetophenone	98-86-2	ug/L	NA	5.2	U	5.1	U	17		12		5	U	50	U	4.8	U	1.1	J		
	Aniline	62-53-3	ug/L	5	10	U	10	U	11	U	11	U	10	U	99	U	9.6	U	9.8	U		
	Anthracene	120-12-7	ug/L	50	5.2	U	5.1	U	5.3	U	2.7	J	5	U	50	U	0.54	J	4.9	U		
	Atrazine	1912-24-9	ug/L	7.5	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	UJ	4.9	UJ		
	Benzaldehyde	100-52-7	ug/L	NA	5.2	U	5.1	U	3.3	J	4.9	J	5	UJ	50	U	0.39	J	1.9	J		
	Benzo(a)anthracene	56-55-3	ug/L	0.002	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	0.46	J	4.9	U		
	Benzo(a)pyrene	50-32-8	ug/L	ND	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	0.47	J	4.9	U		
	Benzo(b)fluoranthene	205-99-2	ug/L	0.002	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	0.37	J	4.9	U		
	Benzo(g,h,i)perylene	191-24-2	ug/L	NA	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U		
	Benzo(k)fluoranthene	207-08-9	ug/L	0.002	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U		
	Benzyl alcohol	100-51-6	ug/L	NA	21	U	20	U	21	U	780	D	20	U	200	U	19	U	20	U		
	Bis(2-chloroethoxy)methane	111-91-1	ug/L	5	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U		
	Bis(2-chloroethyl)ether	111-44-4	ug/L	1	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U		
	Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	5	5.2	U	5.1	U	5.3	U	9	J	5	UJ	50	U	6.3		2.6	J		
	Butyl benzyl phthalate	85-68-7	ug/L	50	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U		
	Caprolactam	105-60-2	ug/L	NA	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	UJ	4.9	UJ		
	Carbazole	86-74-8	ug/L	NA	5.2	U	5.1	U	5.3	U	15		5	U	50	U	0.61	J	4.9	U		
	Chrysene	218-01-9	ug/L	0.002	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	0.41	J	4.9	U		
	Dibenz(a,h)anthracene	53-70-3	ug/L	NA	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U		
	Dibenzofuran	132-64-9	ug/L	NA	10	U	10	U	11	U	4	J	10	U	99	U	9.6	U	9.8	U		
	Dicyclohexylamine	101-83-7	ug/L	†	10	UJ	10	UJ	11	UJ	1,800	DJ	10	UJ	99	UJ	9.6	UJ	9.8	UJ		
	Diethyl phthalate	84-66-2	ug/L	50	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U		
	Dimethyl phthalate	131-11-3	ug/L	50	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U		
	Di-n-butyl phthalate	84-74-2	ug/L	50	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	0.68	J	4.9	U		
	Di-n-octyl phthalate	117-84-0	ug/L	50	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U		
	Fluoranthene	206-44-0	ug/L	50	5.2	U	5.1	U	5.3	U	2.1	J	5	UJ	50	U	1.2	J	4.9	U		
	Fluorene	86-73-7	ug/L	50	5.2	U	5.1	U	5.3	U	4.5	J	5	U	50	U	0.49	J	4.9	U		
	Hexachlorobenzene	118-74-1	ug/L	0.04	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U		
	Hexachlorobutadiene	87-68-3	ug/L	0.5	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U		
	Hexachlorocyclopentadiene	77-47-4	ug/L	5	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U		
	Hexachloroethane	67-72-1	ug/L	5	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U		
	Indeno(1,2,3-cd)pyrene	193-39-5	ug/L	0.002	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U		
	Isophorone	78-59-1	ug/L	50	5.2	U	5.1	U	5.3	U	4.6	J	5	U	50	U	4.8	U	4.9	U		
	n,n-Dimethylaniline	121-69-7	ug/L	1	5.2	UJ	5.1	UJ	5.3	UJ	5.3	UJ	5	UJ	50	UJ	4.8	UJ	4.9	UJ		
	Naphthalene	91-20-3	ug/L	10	5.2	U	5.1	U	5.3	U	45		5	U	50	U	4.8	U	4.9	U		
	Nitrobenzene	98-95-3	ug/L	0.4	5.2	U	5.1	U	5.3	U	22		5	U	50	U	4.8	U	4.9	U		
	N-Nitroso-di-n-propylamine	621-64-7	ug/L	NA	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	U	4.9	U		
	N-Nitrosodiphenylamine	86-30-6	ug/L	50	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	4.8	UJ	4.9	UJ		
	Pentachloropheno	87-86-5	ug/L	1	10	U	10	U	11	U	11	U	10	U	99	U	9.6	U	9.8	U		
	Phenanthrene	85-01-8	ug/L	50	5.2	U	5.1	U	5.3	U	8.9		5	U	50	U	1.8	J	4.9	U		
	Phenol	108-95-2	ug/L	1	5.2	U	5.1	U	4,000	D	430	D	5	U	170		4.8	U	130	D		

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		BLD 1-3		BLD 1-4A		BLD 4A-1		BLD 4B-1		BLD 5-1		BLD 5A-1		BLD 8-1		BLD 8-2	
					Sample Date		9/25/2013 16:35		9/23/2013 14:45		9/20/2013 10:55		9/26/2013 16:35		9/26/2013 16:10		9/24/2013 12:50		9/19/2013 11:35		9/19/2013 14:45	
					Sample ID		BLD 1-3 (092513)		BLD 1-4A (092313)		BLD 4A-1 (092013)		BLD4B-1 (092613)		BLD5-1 (092613)		BLD5A-1 (92413)		BLD 8-1 (091913)		BLD 8-2 (091913)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs	Total Phenols	Arc-Tphen	ug/L	1	ND		ND		4,197.2	J	662.4	J	ND		320	J	ND		159.2	J		
Method	Pyrene	129-00-0	ug/L	50	5.2	U	5.1	U	5.3	U	5.3	U	5	U	50	U	0.76	J	4.9	U		
SW8270C/D	Pyridine	110-86-1	ug/L	50	26	U	25	U	27	U	27	U	25	U	250	U	24	U	24	U		
(Cont.)	Triethylamine	121-44-8	ug/L	NA	5.2	UJ	5.1	UJ	140	EJ	4,500	DJ	5	UJ	50	UJ	4.8	UJ	4.9	UJ		
Alcohol	Ethanol	64-17-5	mg/L	†	1	U	1	U	1	U	8.1		1	U	1	U	1	U	1	U		
Method	Ethylene glyco	107-21-1	mg/L	0.05	10	U	100	U	11	J	10	U	100	U	10	UB	100	UB	100	U		
SW8015B/D	Isopropyl alcohol	67-63-0	mg/L	NA	1	U	1	U	9.7		1.1		1	U	0.62	J	1	U	0.47	J		
	Methanol	67-56-1	mg/L	NA	1	UJ	1	U	1	U	0.96	J	1	U	1	U	1	U	0.43	J		
	Propylene glycol	57-55-6	mg/L	1	10	U	100	U	100	U	10	U	100	U	10	U	100	U	100	U		

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		BLD 8A-1 ⁽¹⁾				BLD 8B-1		BLD 8C-1		BLD 8D-1		BLD 9-1		BLD 9-1	
					Sample Date		9/20/2013 10:05		1/16/2014 14:40		1/16/2014 0:00		9/20/2013 12:20		9/19/2013 10:55		10/3/2013 16:55		9/19/2013 16:10	
					Sample ID		BLD 8A-1 (092013)		BLD8a-1 (01-16-14)		DUP011614 (01-16-14)		BLD 8B-1 (092013)		BLD 8C-1 (091913)		BLD8D-1 (100313)		BLD 9-1 (091913)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	ug/L	5	4	U	--	--	--	--	4	U	4	U	3.1		--	--	4	U
	1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/L	5	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	1,1,2-Trichloroethane	79-00-5	ug/L	1	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	1,1-Dichloroethane	75-34-3	ug/L	5	4	U	--	--	--	--	4	U	4	U	3.7		--	--	3.1	J
	1,1-Dichloroethene	75-35-4	ug/L	5	3.2	J	--	--	--	--	4	U	8.5		4.5		--	--	2.2	J
	1,2,3-Trichlorobenzene	87-61-6	ug/L	5	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	1,2,4-Trichlorobenzene	120-82-1	ug/L	5	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	1,2,4-Trimethylbenzene	95-63-6	ug/L	5	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	0.04	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	1,2-Dibromoethane	106-93-4	ug/L	0.0006	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	1,2-Dichlorobenzene	95-50-1	ug/L	3	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	1,2-Dichloroethane	107-06-2	ug/L	0.6	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	1,2-Dichloropropane	78-87-5	ug/L	1	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	1,3,5-Trimethylbenzene	108-67-8	ug/L	5	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	1,3-Dichlorobenzene	541-73-1	ug/L	3	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	1,4-Dichlorobenzene	106-46-7	ug/L	3	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	1,4-Dioxane	123-91-1	ug/L	NA	160	UJ	--	--	--	--	160	UJ	160	UJ	40	UJ	--	--	160	UJ
	2-Butanone	78-93-3	ug/L	50	40	U	--	--	--	--	40	U	43		10	U	--	--	40	U
	2-Hexanone	591-78-6	ug/L	50	20	U	--	--	--	--	20	U	20	U	5	U	--	--	20	U
	2-Nitropropane	79-46-9	ug/L	NA	20	UJ	--	--	--	--	20	UJ	20	UJ	5	UJ	--	--	20	UJ
	4-Methyl-2-pentanone	108-10-1	ug/L	NA	20	U	--	--	--	--	20	U	50		5	U	--	--	20	U
	Acetone	67-64-1	ug/L	50	200		--	--	--	--	40		540		26		--	--	32	J
	Acetonitrile	75-05-8	ug/L	NA	160	UJ	--	--	--	--	160	UJ	160	U	40	U	--	--	160	UJ
	Benzene	71-43-2	ug/L	1	1.7	J	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	Bromochloromethane	74-97-5	ug/L	5	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	Bromodichloromethane	75-27-4	ug/L	50	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	Bromoform	75-25-2	ug/L	50	4	UJ	--	--	--	--	4	UJ	4	UJ	1	U	--	--	4	UJ
	Bromomethane	74-83-9	ug/L	5	4	UJ	--	--	--	--	4	UJ	4	UJ	1	U	--	--	4	UJ
	Carbon disulfide	75-15-0	ug/L	60	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	Carbon tetrachloride	56-23-5	ug/L	5	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	Chlorobenzene	108-90-7	ug/L	5	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	Chlorodifluoromethane	75-45-6	ug/L	5	4	UJ	--	--	--	--	4	UJ	4	UJ	1	UJ	--	--	7.4	J
	Chloroethane	75-00-3	ug/L	5	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	Chloroform	67-66-3	ug/L	7	4	U	--	--	--	--	4	U	4	U	1.5		--	--	4	U
	Chloromethane	74-87-3	ug/L	5	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	cis-1,2-Dichloroethene	156-59-2	ug/L	5	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	cis-1,3-Dichloropropene	10061-01-5	ug/L	0.4	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	Cyclohexane	110-82-7	ug/L	NA	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	Cyclohexanone	108-94-1	ug/L	NA		R	--	--	--	--		R		R	10	UJ	--	--		R
	Dibromochloromethane	124-48-1	ug/L	50	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	Dichlorodifluoromethane	75-71-8	ug/L	5	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	Diethyl ether	60-29-7	ug/L	NA	4	UJ	--	--	--	--	4	UJ	4	UJ	1	UJ	--	--	4	UJ
	Ethyl acetate	141-78-6	ug/L	NA	4	UJ	--	--	--	--	4	UJ	4	UJ	1	UJ	--	--	4	UJ
	Ethylbenzene	100-41-4	ug/L	5	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	Isobutanol	78-83-1	ug/L	NA	160	UJ	--	--	--	--	160	UJ	160	UJ	40	UJ	--	--	160	UJ
	Isopropylbenzene	98-82-8	ug/L	5	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	m&p-Xylene	179601-23-1	ug/L	5	8	U	--	--	--	--	8	U	8	U	2	U	--	--	8	U

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Location		BLD 8A-1		BLD 8A-1 ⁽¹⁾		BLD 8B-1		BLD 8C-1		BLD 8D-1		BLD 9-1		BLD 9-1	
					Sample Date		9/20/2013 10:05		1/16/2014 14:40		1/16/2014 0:00		9/20/2013 12:20		9/19/2013 10:55		10/3/2013 16:55		9/19/2013 16:10	
							Sample ID		BLD 8A-1 (092013)		BLD8a-1 (01-16-14)		BLD 8B-1 (092013)		BLD 8C-1 (091913)		BLD8D-1 (100313)		BLD 9-1 (091913)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Methyl acetate	79-20-9	ug/L	NA	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	Methyl tert-butyl ether	1634-04-4	ug/L	10	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	Methylcyclohexane	108-87-2	ug/L	†	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	Methylene Chloride	75-09-2	ug/L	5	3.6	J	--	--	--	--	2.9	J	2.1	J	1	U	--	--	3	J
	Naphthalene	91-20-3	ug/L	10	4	U	--	--	--	--	4	U	4	U	0.69	J	--	--	4	U
	n-Butanol	71-36-3	ug/L	50	150	J	--	--	--	--	160	UJ	160	UJ	40	UJ	--	--	160	UJ
	n-Butylbenzene	104-51-8	ug/L	5	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	n-Heptane	142-82-5	ug/L	NA	80	UJ	--	--	--	--	80	UJ	80	UJ	20	UJ	--	--	80	UJ
	n-Hexane	110-54-3	ug/L	NA	40	UJ	--	--	--	--	40	UJ	40	UJ	10	UJ	--	--	40	UJ
	o-Xylene	95-47-6	ug/L	5	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	p-Isopropyltoluene	99-87-6	ug/L	5	4	U	--	--	--	--	4	U	1.2	J	0.58	J	--	--	4	U
	sec-Butylbenzene	135-98-8	ug/L	5	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	Styrene	100-42-5	ug/L	5	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	tert-Butanol	75-65-0	ug/L	NA	80	UJ	--	--	--	--	80	UJ	80	UJ	40	J	--	--	80	UJ
	tert-Butylbenzene	98-06-6	ug/L	5	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	Tetrachloroethene	127-18-4	ug/L	5	4	U	--	--	--	--	4	U	4	U	5.4	J	--	--	4	U
	Tetrahydrofuran	109-99-9	ug/L	50	20	U	--	--	--	--	20	U	20	U	5	U	--	--	20	U
	Toluene	108-88-3	ug/L	5	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	trans-1,2-Dichloroethene	156-60-5	ug/L	5	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	trans-1,3-Dichloropropene	10061-02-6	ug/L	0.4	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	Trichloroethene	79-01-6	ug/L	5	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	Trichlorofluoromethane	75-69-4	ug/L	5	4	U	--	--	--	--	4	U	4	U	1	U	--	--	4	U
	Vinyl chloride	75-01-4	ug/L	2	4	U	--	--	--	--	4	U	10	J	1	U	--	--	4	U
	Xylenes (total)	1330-20-7	ug/L	5	8	U	--	--	--	--	8	U	8	U	2	U	--	--	8	U
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	ug/L	5	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--
	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--
	2,2'-Oxybis(1-Chloropropane)	108-60-1	ug/L	5	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--
	2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	1	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--
	2,4,5-Trichlorophenol	95-95-4	ug/L	1	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--
	2,4,6-Trichlorophenol	88-06-2	ug/L	1	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--
	2,4-Dichloropheno	120-83-2	ug/L	1	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--
	2,4-Dimethylpheno	105-67-9	ug/L	1	4.8	U	--	--	--	--	6.2	J	52	J	4.9	U	5	U	--	--
	2,4-Dinitropheno	51-28-5	ug/L	1	9.6	U	--	--	--	--	9.6	U	10	U	9.8	U	10	U	--	--
	2,4-Dinitrotoluene	121-14-2	ug/L	5	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--
	2,6-Dinitrotoluene	606-20-2	ug/L	5	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--
	2-Chloronaphthalene	91-58-7	ug/L	10	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--
	2-Chloropheno	95-57-8	ug/L	1	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--
	2-Methylnaphthalene	91-57-6	ug/L	NA	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--
	2-Methylpheno	95-48-7	ug/L	1	4.8	U	--	--	--	--	4.8	U	30	J	4.9	U	5	U	--	--
	2-Nitroaniline	88-74-4	ug/L	5	9.6	U	--	--	--	--	9.6	U	10	U	9.8	U	10	U	--	--
	2-Nitrophenol	88-75-5	ug/L	1	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--
	3 & 4 Methylpheno	MEPH3MEPH4	ug/L	1	2.5	J	--	--	--	--	9.6	U	86	J	9.8	U	10	U	--	--
	3,3'-Dichlorobenzidine	91-94-1	ug/L	5	4.8	U	--	--	--	--	4.8	U	5.2	UJ	4.9	U	5	UJ	--	--
	3-Nitroaniline	99-09-2	ug/L	5	9.6	UJ	--	--	--	--	9.6	UJ	10	UJ	9.8	U	10	UJ	--	--
	4,6-Dinitro-2-methylpheno	534-52-1	ug/L	1	9.6	U	--	--	--	--	9.6	U	10	U	9.8	U	10	U	--	--
	4-Bromophenyl phenyl ethe	101-55-3	ug/L	NA	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--
	4-Chloro-3-methylpheno	59-50-7	ug/L	1	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--
	4-Chloroaniline	106-47-8	ug/L	5	4.8	UJ	--	--	--	--	4.8	UJ	5.2	UJ	4.9	U	5	UJ	--	--

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		BLD 8A-1		BLD 8A-1 ⁽¹⁾				BLD 8B-1		BLD 8C-1		BLD 8D-1		BLD 9-1		BLD 9-1	
					Sample Date		9/20/2013 10:05		1/16/2014 14:40		1/16/2014 0:00		9/20/2013 12:20		9/19/2013 10:55		10/3/2013 16:55		9/19/2013 16:10		9/20/2013 14:10	
					Sample ID		BLD 8A-1 (092013)		BLD8a-1 (01-16-14)		DUP011614 (01-16-14)		BLD 8B-1 (092013)		BLD 8C-1 (091913)		BLD8D-1 (100313)		BLD 9-1 (091913)		BLD 9-1 (09202013)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
SVOCs Method SW8270C/D (Cont.)	4-Chlorophenyl phenyl ether	7005-72-3	ug/L	NA	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--		
	4-Methylphenol	106-44-5	ug/L	1	2.5	J	--	--	--	--	9.6	U	86	D	9.8	U	10	U	--	--		
	4-Nitroaniline	100-01-6	ug/L	5	9.6	U	--	--	--	--	9.6	U	10	U	9.8	U	10	U	--	--		
	4-Nitrophenol	100-02-7	ug/L	1	9.6	U	--	--	--	--	9.6	U	10	U	9.8	U	10	U	--	--		
	Acenaphthene	83-32-9	ug/L	20	4.8	U	--	--	--	--	4.8	U	5.2	U	0.77	J	5	U	--	--		
	Acenaphthylene	208-96-8	ug/L	NA	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--		
	Acetophenone	98-86-2	ug/L	NA	4.8	U	--	--	--	--	4.8	U	8.1	J	4.9	U	5	U	--	--		
	Aniline	62-53-3	ug/L	5	9.6	U	--	--	--	--	9.6	U	10	U	9.8	U	10	U	--	--		
	Anthracene	120-12-7	ug/L	50	4.8	U	--	--	--	--	4.8	U	0.4	J	4.9	U	5	U	--	--		
	Atrazine	1912-24-9	ug/L	7.5	4.8	U	--	--	--	--	4.8	U	5.2	UJ	4.9	U	5	UJ	--	--		
	Benzaldehyde	100-52-7	ug/L	NA	1.4	J	--	--	--	--	4.8	U	2.1	J	0.82	J	5	UJ	--	--		
	Benzo(a)anthracene	56-55-3	ug/L	0.002	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--		
	Benzo(a)pyrene	50-32-8	ug/L	ND	4.8	U	--	--	--	--	4.8	U	5.2	U		R	5	U	--	--		
	Benzo(b)fluoranthene	205-99-2	ug/L	0.002	4.8	U	--	--	--	--	4.8	U	5.2	U		R	5	U	--	--		
	Benzo(g,h,i)perylene	191-24-2	ug/L	NA	4.8	U	--	--	--	--	4.8	U	5.2	U		R	5	U	--	--		
	Benzo(k)fluoranthene	207-08-9	ug/L	0.002	4.8	U	--	--	--	--	4.8	U	5.2	U		R	5	U	--	--		
	Benzyl alcoho	100-51-6	ug/L	NA	19	U	--	--	--	--	19	U	46	J	20	U	20	U	--	--		
	Bis(2-chloroethoxy)methane	111-91-1	ug/L	5	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--		
	Bis(2-chloroethyl)ether	111-44-4	ug/L	1	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--		
	Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	5	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	8.3	J	--	--		
	Butyl benzyl phthalate	85-68-7	ug/L	50	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--		
	Caprolactam	105-60-2	ug/L	NA	4.8	U	--	--	--	--	4.8	U	5.2	UJ	4.9	U	6	J	--	--		
	Carbazole	86-74-8	ug/L	NA	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--		
	Chrysene	218-01-9	ug/L	0.002	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--		
	Dibenz(a,h)anthracene	53-70-3	ug/L	NA	4.8	U	--	--	--	--	4.8	U	5.2	U		R	5	U	--	--		
	Dibenzofuran	132-64-9	ug/L	NA	9.6	U	--	--	--	--	9.6	U	10	U	9.8	U	10	U	--	--		
	Dicyclohexylamine	101-83-7	ug/L	†	9.6	UJ	--	--	--	--	9.6	UJ	10	UJ	9.8	UJ	10	UJ	--	--		
	Diethyl phthalate	84-66-2	ug/L	50	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--		
	Dimethyl phthalate	131-11-3	ug/L	50	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--		
	Di-n-butyl phthalate	84-74-2	ug/L	50	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	0.68	J	--	--		
	Di-n-octyl phthalate	117-84-0	ug/L	50	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--		
	Fluoranthene	206-44-0	ug/L	50	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--		
	Fluorene	86-73-7	ug/L	50	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--		
	Hexachlorobenzene	118-74-1	ug/L	0.04	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--		
	Hexachlorobutadiene	87-68-3	ug/L	0.5	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--		
	Hexachlorocyclopentadiene	77-47-4	ug/L	5	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--		
	Hexachloroethane	67-72-1	ug/L	5	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--		
	Indeno(1,2,3-cd)pyrene	193-39-5	ug/L	0.002	4.8	U	--	--	--	--	4.8	U	5.2	U		R	5	U	--	--		
	Isophorone	78-59-1	ug/L	50	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--		
	n,n-Dimethylaniline	121-69-7	ug/L	1	4.8	UJ	--	--	--	--	4.8	UJ	5.2	UJ	4.9	UJ	5	UJ	--	--		
Naphthalene	91-20-3	ug/L	10	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--			
Nitrobenzene	98-95-3	ug/L	0.4	4.8	U	--	--	--	--	4.8	U	1.5	J	4.9	U	5	U	--	--			
N-Nitroso-di-n-propylamine	621-64-7	ug/L	NA	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--			
N-Nitrosodiphenylamine	86-30-6	ug/L	50	4.8	U	--	--	--	--	4.8	U	5.2	UJ	4.9	U	5	UJ	--	--			
Pentachloropheno	87-86-5	ug/L	1	9.6	U	--	--	--	--	9.6	U	10	U	9.8	U	10	U	--	--			
Phenanthrene	85-01-8	ug/L	50	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	0.44	J	--	--			
Phenol	108-95-2	ug/L	1	62	D	--	--	--	--	4.8	U	140	D	9.8		5	U	--	--			

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		BLD 8A-1		BLD 8A-1 ⁽¹⁾				BLD 8B-1		BLD 8C-1		BLD 8D-1		BLD 9-1		BLD 9-1	
					Sample Date		9/20/2013 10:05		1/16/2014 14:40		1/16/2014 0:00		9/20/2013 12:20		9/19/2013 10:55		10/3/2013 16:55		9/19/2013 16:10		9/20/2013 14:10	
					Sample ID		BLD 8A-1 (092013)		BLD8a-1 (01-16-14)		DUP011614 (01-16-14)		BLD 8B-1 (092013)		BLD 8C-1 (091913)		BLD8D-1 (100313)		BLD 9-1 (091913)		BLD 9-1 (09202013)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
SVOCs	Total Phenols	Arc-Tphen	ug/L	1	67	J					6.2		394		9.8		ND					
Method	Pyrene	129-00-0	ug/L	50	4.8	U	--	--	--	--	4.8	U	5.2	U	4.9	U	5	U	--	--		
SW8270C/D (Cont.)	Pyridine	110-86-1	ug/L	50	24	U	--	--	--	--	24	U	1.4	J	24	U	25	U	--	--		
	Triethylamine	121-44-8	ug/L	NA	4.8	UJ	--	--	--	--	4.8	UJ	5.2	UJ	4.9	UJ	26	J	--	--		
Alcohol	Ethanol	64-17-5	mg/L	†	0.21	J	--	--	--	--	1	U	1	U	1	U	1	U	--	--		
Method SW8015B/D	Ethylene glyco	107-21-1	mg/L	0.05	10	U	--	--	--	--	10	U	10	UB	10	U	10	U	--	--		
	Isopropyl alcohol	67-63-0	mg/L	NA	0.38	J	--	--	--	--	1	U	0.17	J	1	U	1	U	--	--		
	Methanol	67-56-1	mg/L	NA	1.5		--	--	--	--	0.43	J	1	U	1	U	1	U	--	--		
	Propylene glycol	57-55-6	mg/L	1	10	U	--	--	--	--	10	U	10	U	10	U	10	U	--	--		

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		BLD 9A-1		BLD 9B-1		BLD 20-1		BLD 21A-1		BLD 24-1		BLD 24A-1		BLD 29-1		BLD 36-1	
					Sample Date		10/3/2013 14:40		9/18/2013 12:30		10/24/2013 15:05		9/19/2013 16:25		9/4/2013 15:10		9/4/2013 12:30		9/3/2013 15:55		10/1/2013 11:15	
					Sample ID		BLD9A-1 (100313)		BLD 9B-1 (091813)		BLD 20-1 (102413)		BLD 21A-1 (091913)		BLD 24-1 (090413)		BLD 24A-1 (090413)		BLD 29-1 (090313)		BLD 36-1 (10/01/13)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	ug/L	5	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/L	5	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	UJ	5	U
	1,1,2-Trichloroethane	79-00-5	ug/L	1	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	1,1-Dichloroethane	75-34-3	ug/L	5	1	U	2.2		1	U	4	U	1	U	1	U	1	U	1	U	5	U
	1,1-Dichloroethene	75-35-4	ug/L	5	2.4		0.66	J	1	U	4	U	1	U	1	U	1	U	1.1		5	U
	1,2,3-Trichlorobenzene	87-61-6	ug/L	5	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	1,2,4-Trichlorobenzene	120-82-1	ug/L	5	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	1,2,4-Trimethylbenzene	95-63-6	ug/L	5	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	0.04	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	1,2-Dibromoethane	106-93-4	ug/L	0.0006	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	1,2-Dichlorobenzene	95-50-1	ug/L	3	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	1,2-Dichloroethane	107-06-2	ug/L	0.6	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	1,2-Dichloropropane	78-87-5	ug/L	1	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	1,3,5-Trimethylbenzene	108-67-8	ug/L	5	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	1,3-Dichlorobenzene	541-73-1	ug/L	3	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	1,4-Dichlorobenzene	106-46-7	ug/L	3	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	1,4-Dioxane	123-91-1	ug/L	NA	40	UJ	40	UJ	40	UJ	160	UJ	40	UJ	34	J	40	UJ	200	UJ		
	2-Butanone	78-93-3	ug/L	50	10	U	10	U	10	U	57		10	UJ	10	UJ	10	UJ	10	U	50	U
	2-Hexanone	591-78-6	ug/L	50	5	U	5	U	5	U	20	U	5	U	5	U	5	U	5	U	25	U
	2-Nitropropane	79-46-9	ug/L	NA	5	UJ	5	UJ	5	UJ	20	UJ	5	UJ	5	UJ	5	UJ	5	UJ	25	UJ
	4-Methyl-2-pentanone	108-10-1	ug/L	NA	5	U	5	U	5	U	20	U	5	U	5	U	5	U	5	U	25	U
	Acetone	67-64-1	ug/L	50	51		9.7	J	10	U	220		10	U	3.5	J	4.2	J	55			
	Acetonitrile	75-05-8	ug/L	NA	40	U	40	U	40	U	160	U	40	U	40	U	40	U	40	U	200	U
	Benzene	71-43-2	ug/L	1	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	Bromochloromethane	74-97-5	ug/L	5	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	Bromodichloromethane	75-27-4	ug/L	50	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	Bromoform	75-25-2	ug/L	50	1	U	1	U	1	UJ	4	UJ	1	U	1	U	1	U	1	U	5	U
	Bromomethane	74-83-9	ug/L	5	1	U	1	U	1	U	4	UJ	1	U	1	U	1	U	1	UJ	5	U
	Carbon disulfide	75-15-0	ug/L	60	0.23	J	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	Carbon tetrachloride	56-23-5	ug/L	5	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	Chlorobenzene	108-90-7	ug/L	5	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	Chlorodifluoromethane	75-45-6	ug/L	5	1	UJ	1	UJ	1	UJ	4	UJ	1	UJ	1	UJ	1	UJ	1	UJ	5	UJ
	Chloroethane	75-00-3	ug/L	5	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	Chloroform	67-66-3	ug/L	7	0.73	J	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	Chloromethane	74-87-3	ug/L	5	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	cis-1,2-Dichloroethene	156-59-2	ug/L	5	1	U	1	U	1	U	3.7	J	1	U	1.1		1	U	1	U	5	U
	cis-1,3-Dichloropropene	10061-01-5	ug/L	0.4	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	Cyclohexane	110-82-7	ug/L	NA	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	Cyclohexanone	108-94-1	ug/L	NA	10	UJ		R	10	UJ		R		R		R		R		R		R
	Dibromochloromethane	124-48-1	ug/L	50	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	Dichlorodifluoromethane	75-71-8	ug/L	5	1	U	1	U	1	U	4	U	0.72	J	1	UJ	1	UJ	1	UJ	5	U
	Diethyl ether	60-29-7	ug/L	NA	1	UJ	1	UJ	1	UJ	4	UJ	1	UJ	1	UJ	1	UJ	1	UJ	5	UJ
	Ethyl acetate	141-78-6	ug/L	NA	1	UJ	1	UJ	1	UJ	4	UJ	1	UJ	1	UJ	1	UJ	1	UJ	5	UJ
	Ethylbenzene	100-41-4	ug/L	5	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	Isobutanol	78-83-1	ug/L	NA	40	UJ	40	UJ	40	UJ	160	UJ	40	UJ	40	UJ	40	UJ	40	UJ	200	UJ
	Isopropylbenzene	98-82-8	ug/L	5	1	U	1	U	1	U	4	U	1	U	1	U	1	U	1	U	5	U
	m&p-Xylene	179601-23-1	ug/L	5	2	U	2	U	2	U	8	U	2	U	2	U	2	U	2	U	10	U

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Location		Sample Date		Sample ID		BLD 9A-1		BLD 9B-1		BLD 20-1		BLD 21A-1		BLD 24-1		BLD 24A-1		BLD 29-1		BLD 36-1	
					Sample Date		Sample ID		Result	Qual	10/3/2013 14:40		9/18/2013 12:30		10/24/2013 15:05		9/19/2013 16:25		9/4/2013 15:10		9/4/2013 12:30		9/3/2013 15:55		10/1/2013 11:15	
											BLD9A-1 (100313)		BLD 9B-1 (091813)		BLD 20-1 (102413)		BLD 21A-1 (091913)		BLD 24-1 (090413)		BLD 24A-1 (090413)		BLD 29-1 (090313)		BLD 36-1 (10/01/13)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Methyl acetate	79-20-9	ug/L	NA	1	U	1	U	1	U	4	U	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	U	5	U
	Methyl tert-butyl ether	1634-04-4	ug/L	10	1	U	0.25	J	1	U	4	U	1	U	1	U	4	U	1	U	1	U	1	U	5	U
	Methylcyclohexane	108-87-2	ug/L	†	1	U	1	U	1	U	4	U	1	U	1	U	4	U	1	U	1	U	1	U	5	U
	Methylene Chloride	75-09-2	ug/L	5	1	U	1	U	1	U	2.6	J	1	U	1	U	2.6	J	1	U	1	U	1	U	3.1	J
	Naphthalene	91-20-3	ug/L	10	1	U	1	U	1	U	4	U	1	U	1	U	4	U	1	U	1	U	1	U	5	U
	n-Butanol	71-36-3	ug/L	50	40	UJ	40	UJ	40	UJ	160	UJ	40	UJ	40	UJ	160	UJ	40	UJ	40	UJ	40	UJ	200	UJ
	n-Butylbenzene	104-51-8	ug/L	5	1	U	1	U	1	U	4	U	1	U	1	U	4	U	1	U	1	U	1	U	5	U
	n-Heptane	142-82-5	ug/L	NA	20	UJ	20	UJ	20	UJ	80	UJ	20	UJ	20	UJ	80	UJ	20	UJ	0.5	J	20	UJ	100	UJ
	n-Hexane	110-54-3	ug/L	NA	10	UJ	10	UJ	10	UJ	40	UJ	10	UJ	10	UJ	40	UJ	10	UJ	10	UJ	10	UJ	50	UJ
	o-Xylene	95-47-6	ug/L	5	1	U	1	U	1	U	4	U	1	U	1	U	4	U	1	U	1	U	1	U	5	U
	p-Isopropyltoluene	99-87-6	ug/L	5	1	U	1	U	1	U	4	U	1	U	1	U	4	U	1	U	1	U	1	U	5	U
	sec-Butylbenzene	135-98-8	ug/L	5	1	U	1	U	1	U	4	U	1	U	1	U	4	U	1	U	1	U	1	U	5	U
	Styrene	100-42-5	ug/L	5	1	U	1	U	1	U	4	U	1	U	1	U	4	U	1	U	1	U	1	U	5	U
	tert-Butanol	75-65-0	ug/L	NA	20	UJ	20	UJ	20	UJ	80	UJ	20	UJ	20	UJ	80	UJ	20	UJ	23	J	20	UJ	100	UJ
	tert-Butylbenzene	98-06-6	ug/L	5	1	U	1	U	1	U	4	U	1	U	1	U	4	U	1	U	1	U	1	U	5	U
	Tetrachloroethene	127-18-4	ug/L	5	1	U	1	U	1	U	4	U	1	U	1	U	4	U	1	U	1	U	1	U	5	U
	Tetrahydrofuran	109-99-9	ug/L	50	5	U	1.4	J	5	U	20	U	5	UJ	5	UJ	20	U	5	UJ	5	UJ	5	U	25	U
	Toluene	108-88-3	ug/L	5	1	U	1	U	1	U	4	U	1	U	1	U	4	U	1	U	1	U	1	U	5	U
	trans-1,2-Dichloroethene	156-60-5	ug/L	5	1	U	1.7	J	1	U	4	U	1	U	1	U	4	U	1	U	1	U	1	U	5	U
	trans-1,3-Dichloropropene	10061-02-6	ug/L	0.4	1	U	1	U	1	U	4	U	1	U	1	U	4	U	1	U	1	U	1	U	5	U
	Trichloroethene	79-01-6	ug/L	5	1	U	1	U	0.71	J	3.6	J	1	U	1	U	3.6	J	1	U	1	U	1	U	5	U
	Trichlorofluoromethane	75-69-4	ug/L	5	0.88	J	1	U	1	U	4	U	1	U	1	U	4	U	1	U	1.3	J	3.1	J	5	U
	Vinyl chloride	75-01-4	ug/L	2	1	U	1	U	1	U	4	U	1	U	1	U	4	U	1	U	1.1	J	1.8	J	5	U
	Xylenes (total)	1330-20-7	ug/L	5	2	U	2	U	2	U	8	U	2	U	2	U	8	U	2	U	2	U	2	U	10	U
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	ug/L	5	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	5	U	5.3	U	5.3	U	4.5	U	4.7	U	4.9	U
	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	5	U	5.3	U	5.3	U	4.5	U	4.7	U	4.9	U
	2,2'-Oxybis(1-Chloropropane)	108-60-1	ug/L	5	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	5	U	5.3	U	5.3	U	4.5	U	4.7	U	4.9	U
	2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	1	4.9	U	5.8	UJ	5.6	U	50	U	5.3	U	50	U	5.3	U	5.3	U	4.5	U	4.7	U	4.9	U
	2,4,5-Trichlorophenol	95-95-4	ug/L	1	4.9	U	5.8	UJ	5.6	U	50	U	5.3	U	50	U	5.3	U	5.3	U	4.5	U	4.7	U	4.9	U
	2,4,6-Trichlorophenol	88-06-2	ug/L	1	4.9	U	5.8	UJ	5.6	U	50	U	5.3	U	50	U	5.3	U	5.3	U	4.5	U	4.7	U	4.9	U
	2,4-Dichloropheno	120-83-2	ug/L	1	4.9	U	5.8	UJ	5.6	U	50	U	5.3	U	50	U	5.3	U	5.3	U	4.5	U	4.7	U	4.9	UJ
	2,4-Dimethylpheno	105-67-9	ug/L	1	4.9	U	5.8	UJ	5.6	U	50	U	5.3	U	50	U	5.3	U	5.3	U	4.5	U	4.7	U	2.4	J
	2,4-Dinitropheno	51-28-5	ug/L	1	9.9	U	12	UJ	11	UJ	99	U	11	U	99	U	11	U	11	U	9.1	U	9.4	U	9.8	U
	2,4-Dinitrotoluene	121-14-2	ug/L	5	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	5	U	5.3	U	5.3	U	4.5	U	4.7	U	4.9	U
	2,6-Dinitrotoluene	606-20-2	ug/L	5	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	5	U	5.3	U	5.3	U	4.5	U	4.7	U	4.9	U
	2-Chloronaphthalene	91-58-7	ug/L	10	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	5	U	5.3	U	5.3	U	4.5	U	4.7	U	4.9	U
	2-Chloropheno	95-57-8	ug/L	1	4.9	U	5.8	UJ	5.6	U	50	U	5.3	U	50	U	5.3	U	5.3	U	4.5	U	4.7	U	4.9	U
	2-Methylnaphthalene	91-57-6	ug/L	NA	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	5	U	5.3	U	5.3	U	4.5	U	4.7	U	4.9	U
	2-Methylpheno	95-48-7	ug/L	1	4.9	U	5.8	UJ	5.6	U	50	U	5.3	U	50	U	5.3	U	5.3	U	4.5	U	4.7	U	0.48	J
	2-Nitroaniline	88-74-4	ug/L	5	9.9	U	12	UJ	11	U	9.9	U	11	U	9.9	U	11	U	11	U	9.1	U	9.4	U	9.8	U
	2-Nitrophenol	88-75-5	ug/L	1	4.9	U	5.8	UJ	5.6	U	50	U	5.3	U	50	U	5.3	U	5.3	U	4.5	U	4.7	U	4.9	U
	3 & 4 Methylpheno	MEPH3MEPH4	ug/L	1	9.9	U	12	UJ	11	U	370	D	11	U	9.9	U	11	U	11	U	9.1	U	9.4	U	0.64	J
	3,3'-Dichlorobenzidine	91-94-1	ug/L	5	4.9	U	5.8	UJ	5.6	U	5	UJ	5.3	U	5	UJ	5.3	U	5.3	U	4.5	U	4.7	U	4.9	UJ
	3-Nitroaniline	99-09-2	ug/L	5	9.9	U	12	UJ	11	UJ	9.9	UJ	11	UJ	9.9	UJ	11	UJ	11	UJ	9.1	UJ	9.4	UJ	9.8	UJ
	4,6-Dinitro-2-methylpheno	534-52-1	ug/L	1	9.9	U	12	UJ	11	UJ	99	U	11	UJ	99	U	11	UJ	11	UJ	9.1	UJ	9.4	UJ	9.8	UJ
	4-Bromophenyl phenyl ethe	101-55-3	ug/L	NA	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	5	U	5.3	U	5.3	U	4.5	U	4.7	U	4.9	U
	4-Chloro-3-methylpheno	59-50-7	ug/L	1	4.9	U	5.8	UJ	5.6	U	50	U	5.3	U	50	U	5.3	U	5.3	U	4.5	U	4.7	U	4.9	U
	4-Chloroaniline	106-47-8	ug/L	5	4.9	U	1.5	J	5.6	U	5	UJ	5.3	UJ	5	UJ	5.3	UJ	5.3	UJ	4.5	UJ	4.7	UJ	4.9	UJ

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		BLD 9A-1		BLD 9B-1		BLD 20-1		BLD 21A-1		BLD 24-1		BLD 24A-1		BLD 29-1		BLD 36-1	
					Sample Date		10/3/2013 14:40		9/18/2013 12:30		10/24/2013 15:05		9/19/2013 16:25		9/4/2013 15:10		9/4/2013 12:30		9/3/2013 15:55		10/1/2013 11:15	
					Sample ID		BLD9A-1 (100313)		BLD 9B-1 (091813)		BLD 20-1 (102413)		BLD 21A-1 (091913)		BLD 24-1 (090413)		BLD 24A-1 (090413)		BLD 29-1 (090313)		BLD 36-1 (10/01/13)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	4-Chlorophenyl phenyl ether	7005-72-3	ug/L	NA	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	4-Methylphenol	106-44-5	ug/L	1	9.9	U	12	UJ	11	U	370	D	11	U	9.1	U	9.4	U	0.64	J	0.64	J
	4-Nitroaniline	100-01-6	ug/L	5	9.9	U	12	UJ	11	U	9.9	U	11	U	9.1	U	9.4	U	9.8	UJ	9.8	UJ
	4-Nitrophenol	100-02-7	ug/L	1	9.9	U	12	UJ	11	UJ	99	U	11	U	9.1	U	9.4	U	9.8	U	9.8	U
	Acenaphthene	83-32-9	ug/L	20	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Acenaphthylene	208-96-8	ug/L	NA	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Acetophenone	98-86-2	ug/L	NA	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Aniline	62-53-3	ug/L	5	9.9	U	12	UJ	11	U	9.9	U	11	U	9.1	U	9.4	U	9.8	U	9.8	U
	Anthracene	120-12-7	ug/L	50	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Atrazine	1912-24-9	ug/L	7.5	4.9	U	5.8	UJ	5.6	U	5	UJ	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Benzaldehyde	100-52-7	ug/L	NA	4.9	U	5.8	UJ		R	5	UJ	5.3	U	4.5	U	4.7	U	0.38	J	0.38	J
	Benzo(a)anthracene	56-55-3	ug/L	0.002	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Benzo(a)pyrene	50-32-8	ug/L	ND	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Benzo(b)fluoranthene	205-99-2	ug/L	0.002	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Benzo(g,h,i)perylene	191-24-2	ug/L	NA	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	UJ	4.9	UJ
	Benzo(k)fluoranthene	207-08-9	ug/L	0.002	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Benzyl alcoho	100-51-6	ug/L	NA	20	U	23	UJ	22	U	20	U	21	U	18	U	19	U	20	U	20	U
	Bis(2-chloroethoxy)methane	111-91-1	ug/L	5	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Bis(2-chloroethyl)ether	111-44-4	ug/L	1	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	5	4.9	U	12	J	5.6	U	2.4	J	3.9	J	4.8		4.6	J	4.9	U	4.9	U
	Butyl benzyl phthalate	85-68-7	ug/L	50	4.9	U	5.8	UJ	5.6	U	0.87	J	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Caprolactam	105-60-2	ug/L	NA	4.9	U	5.8	UJ	5.6	U	5.9	J	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Carbazole	86-74-8	ug/L	NA	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Chrysene	218-01-9	ug/L	0.002	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Dibenz(a,h)anthracene	53-70-3	ug/L	NA	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	UJ	4.9	UJ
	Dibenzofuran	132-64-9	ug/L	NA	9.9	U	12	UJ	11	U	9.9	U	11	U	9.1	U	9.4	U	9.8	U	9.8	U
	Dicyclohexylamine	101-83-7	ug/L	†	9.9	UJ	52	J	11	UJ	9.9	UJ	11	UJ	9.1	UJ	9.4	UJ	9.8	UJ	9.8	UJ
	Diethyl phthalate	84-66-2	ug/L	50	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Dimethyl phthalate	131-11-3	ug/L	50	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Di-n-butyl phthalate	84-74-2	ug/L	50	4.9	U	5.8	UJ	5.6	U	0.47	J	5.3	U	0.54	J	4.7	U	4.9	U	4.9	U
	Di-n-octyl phthalate	117-84-0	ug/L	50	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Fluoranthene	206-44-0	ug/L	50	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Fluorene	86-73-7	ug/L	50	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Hexachlorobenzene	118-74-1	ug/L	0.04	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Hexachlorobutadiene	87-68-3	ug/L	0.5	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Hexachlorocyclopentadiene	77-47-4	ug/L	5	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Hexachloroethane	67-72-1	ug/L	5	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Indeno(1,2,3-cd)pyrene	193-39-5	ug/L	0.002	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	UJ	4.9	UJ
	Isophorone	78-59-1	ug/L	50	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	n,n-Dimethylaniline	121-69-7	ug/L	1	4.9	UJ	5.8	UJ	5.6	UJ	5	UJ	5.3	UJ	4.5	UJ	4.7	UJ	4.9	UJ	4.9	UJ
	Naphthalene	91-20-3	ug/L	10	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Nitrobenzene	98-95-3	ug/L	0.4	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	N-Nitroso-di-n-propylamine	621-64-7	ug/L	NA	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	N-Nitrosodiphenylamine	86-30-6	ug/L	50	4.9	U	5.8	UJ	5.6	U	5	UJ	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Pentachloropheno	87-86-5	ug/L	1	9.9	U	12	UJ	11	UJ	99	U	11	U	9.1	U	9.4	U	9.8	U	9.8	U
	Phenanthrene	85-01-8	ug/L	50	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U	4.9	U
	Phenol	108-95-2	ug/L	1	4.9	U	5.8	UJ	5.6	U	24	J	5.3	U	0.68	J	4.7	U	2.3	J	2.3	J

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		BLD 9A-1		BLD 9B-1		BLD 20-1		BLD 21A-1		BLD 24-1		BLD 24A-1		BLD 29-1		BLD 36-1	
					Sample Date		10/3/2013 14:40		9/18/2013 12:30		10/24/2013 15:05		9/19/2013 16:25		9/4/2013 15:10		9/4/2013 12:30		9/3/2013 15:55		10/1/2013 11:15	
					Sample ID		BLD9A-1 (100313)		BLD 9B-1 (091813)		BLD 20-1 (102413)		BLD 21A-1 (091913)		BLD 24-1 (090413)		BLD 24A-1 (090413)		BLD 29-1 (090313)		BLD 36-1 (10/01/13)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs	Total Phenols	Arc-Tphen	ug/L	1	ND		ND		ND		764	J	ND		0.68	J	ND		6.46	J		
Method	Pyrene	129-00-0	ug/L	50	4.9	U	5.8	UJ	5.6	U	5	U	5.3	U	4.5	U	4.7	U	4.9	U		
SW8270C/D	Pyridine	110-86-1	ug/L	50	25	U	29	UJ	28	UJ	25	U	26	U	0.6	J	23	U	24	U		
(Cont.)	Triethylamine	121-44-8	ug/L	NA	4.9	UJ	5.8	UJ	5.6	UJ	5	UJ	5.3	UJ	660	DJ	4.7	UJ	12	J		
Alcohol	Ethanol	64-17-5	mg/L	†	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U		
Method	Ethylene glyco	107-21-1	mg/L	0.05	1	J	100	U	10	U	10	U	10	U	10	U	10	U	10	U		
SW8015B/D	Isopropyl alcohol	67-63-0	mg/L	NA	1	U	1	U	1	U	0.88	J	1	U	1	U	1	U	1	U		
	Methanol	67-56-1	mg/L	NA	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U		
	Propylene glycol	57-55-6	mg/L	1	10	U	100	U	10	U	10	U	10	U	10	U	10	U	10	U		

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		BLD 41-1		BLD 43-1		BLD 45-1		BLD 46-1		BLD 56-1D		BLD 56-1S		BLD 62-1D ⁽¹⁾	
					Sample Date		9/26/2013 12:30		8/30/2013 15:25		8/28/2013 15:07		9/17/2013 11:35		9/17/2013 11:35		10/3/2013 11:00		10/2/2013 14:25	
					Sample ID		BLD41-1 (092613)		BLD 43-1 (083013)		BLD-45-1 (082813)		BLD 46-1 (091713)		BMS-DUP (091713)		BLD56-1D (100313)		BLD 56-1S (100213)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	ug/L	5	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/L	5	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	1,1,2-Trichloroethane	79-00-5	ug/L	1	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	1,1-Dichloroethane	75-34-3	ug/L	5	1	U	5	U	1	U	1	U	1	U	1	U	1	U	0.93	J
	1,1-Dichloroethene	75-35-4	ug/L	5	25		5	U	1	U	4.1		5.7		1	U	1	U	0.82	J
	1,2,3-Trichlorobenzene	87-61-6	ug/L	5	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	1,2,4-Trichlorobenzene	120-82-1	ug/L	5	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	1,2,4-Trimethylbenzene	95-63-6	ug/L	5	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	0.04	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	1,2-Dibromoethane	106-93-4	ug/L	0.0006	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	1,2-Dichlorobenzene	95-50-1	ug/L	3	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	1,2-Dichloroethane	107-06-2	ug/L	0.6	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	1,2-Dichloropropane	78-87-5	ug/L	1	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	1,3,5-Trimethylbenzene	108-67-8	ug/L	5	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	1,3-Dichlorobenzene	541-73-1	ug/L	3	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	1,4-Dichlorobenzene	106-46-7	ug/L	3	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	1,4-Dioxane	123-91-1	ug/L	NA	40	UJ	200	UJ	40	UJ	40	UJ	40	UJ	40	UJ	40	UJ	40	UJ
	2-Butanone	78-93-3	ug/L	50	10	U	50	U	10	U	10	U	10	U	10	U	10	U	16	
	2-Hexanone	591-78-6	ug/L	50	5	U	25	U	5	U	5	U	5	U	5	U	5	U	5	U
	2-Nitropropane	79-46-9	ug/L	NA	5	UJ	25	UJ	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ
	4-Methyl-2-pentanone	108-10-1	ug/L	NA	5	U	25	U	5	U	5	U	5	U	5	U	5	U	3.3	J
	Acetone	67-64-1	ug/L	50	3.6	J	50	U	10	U	10	U	6.1	J	4.3	J	6.6	J	93	
	Acetonitrile	75-05-8	ug/L	NA	40	U	200	U	40	U	40	U	40	U	40	U	40	U	40	U
	Benzene	71-43-2	ug/L	1	1	U	5	U	1	U	1	U	1	U	1	U	1	U	0.8	J
	Bromochloromethane	74-97-5	ug/L	5	1	U	5	U	1	U	1	U	1	U	1	U	1	U	22	
	Bromodichloromethane	75-27-4	ug/L	50	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	Bromoform	75-25-2	ug/L	50	1	U	5	UJ	1	UJ	1	U	1	U	1	U	1	U	1	U
	Bromomethane	74-83-9	ug/L	5	1	UJ	5	U	1	UJ	1	U	1	U	1	U	1	U	1	U
	Carbon disulfide	75-15-0	ug/L	60	1	U	5	U	1	UJ	1	U	1	U	0.57	J	1	U	10	
	Carbon tetrachloride	56-23-5	ug/L	5	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	Chlorobenzene	108-90-7	ug/L	5	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	Chlorodifluoromethane	75-45-6	ug/L	5	1	UJ	5	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
	Chloroethane	75-00-3	ug/L	5	1	U	5	U	1	U	1	U	1	U	1	U	1	U	0.84	J
	Chloroform	67-66-3	ug/L	7	2		5	U	1	U	1	U	1	U	1	U	1	U	1	U
	Chloromethane	74-87-3	ug/L	5	1	U	5	U	1	U	1	U	1	U	1	U	1	U	35	
	cis-1,2-Dichloroethene	156-59-2	ug/L	5	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	cis-1,3-Dichloropropene	10061-01-5	ug/L	0.4	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	Cyclohexane	110-82-7	ug/L	NA	1	U	5	U	1	U	1	U	1	U	1	U	1	U	0.81	J
	Cyclohexanone	108-94-1	ug/L	NA		R		R	10	UJ		R		R	10	UJ		R		R
	Dibromochloromethane	124-48-1	ug/L	50	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	Dichlorodifluoromethane	75-71-8	ug/L	5	1	UJ	5	U	1	UJ	1	U	1	U	1	U	1	U	1	UJ
	Diethyl ether	60-29-7	ug/L	NA	1	UJ	5	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
	Ethyl acetate	141-78-6	ug/L	NA	1	UJ	5	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
	Ethylbenzene	100-41-4	ug/L	5	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	Isobutanol	78-83-1	ug/L	NA	40	UJ	200	UJ	40	UJ	40	UJ	40	UJ	40	UJ	40	UJ	40	UJ
	Isopropylbenzene	98-82-8	ug/L	5	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	m&p-Xylene	179601-23-1	ug/L	5	2	U	10	U	2	U	2	U	2	U	2	U	2	U	2	U

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date Sample ID					BLD 41-1		BLD 43-1		BLD 45-1		BLD 46-1				BLD 56-1D		BLD 56-1S		BLD 62-1D ⁽¹⁾	
					9/26/2013 12:30		8/30/2013 15:25		8/28/2013 15:07		9/17/2013 11:35		9/17/2013 11:35		10/3/2013 11:00		10/2/2013 14:25		9/11/2013 14:30	
					BLD41-1 (092613)		BLD 43-1 (083013)		BLD-45-1 (082813)		BLD 46-1 (091713)		BMS-DUP (091713)		BLD56-1D (100313)		BLD 56-1S (100213)		BLD62-1S (9/11/13)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Methyl acetate	79-20-9	ug/L	NA	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	Methyl tert-butyl ether	1634-04-4	ug/L	10	1	U	5	U	1	U	0.64	J	0.63	J	1	U	1	U	1	U
	Methylcyclohexane	108-87-2	ug/L	†	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	Methylene Chloride	75-09-2	ug/L	5	1	U	2.8	J	1	U	1	U	0.55	J	1	U	4		160,000	D
	Naphthalene	91-20-3	ug/L	10	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	UJ
	n-Butanol	71-36-3	ug/L	50	40	UJ	200	UJ	40	UJ	40	UJ	40	UJ	40	UJ	40	UJ	40	UJ
	n-Butylbenzene	104-51-8	ug/L	5	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	n-Heptane	142-82-5	ug/L	NA	20	UJ	100	UJ	20	UJ	20	UJ	20	UJ	20	UJ	20	UJ	20	UJ
	n-Hexane	110-54-3	ug/L	NA	10	UJ	50	UJ	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
	o-Xylene	95-47-6	ug/L	5	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	p-Isopropyltoluene	99-87-6	ug/L	5	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	sec-Butylbenzene	135-98-8	ug/L	5	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	Styrene	100-42-5	ug/L	5	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	tert-Butanol	75-65-0	ug/L	NA	20	UJ	100	UJ	20	UJ	20	UJ	20	UJ	20	UJ	88	J	20	UJ
	tert-Butylbenzene	98-06-6	ug/L	5	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	Tetrachloroethene	127-18-4	ug/L	5	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	Tetrahydrofuran	109-99-9	ug/L	50	5	U	25	U	5	U	5	U	5	U	5	U	5	U	5	U
	Toluene	108-88-3	ug/L	5	1	U	5	U	1	U	1	U	1	U	1	U	1	U	0.59	J
	trans-1,2-Dichloroethene	156-60-5	ug/L	5	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
	trans-1,3-Dichloropropene	10061-02-6	ug/L	0.4	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U
Trichloroethene	79-01-6	ug/L	5	1	U	5	U	1	U	1	U	1	U	1	U	1	U	1	U	
Trichlorofluoromethane	75-69-4	ug/L	5	8.9			5	U	1	U	3.5		4.1		1	U	1	U	1	U
Vinyl chloride	75-01-4	ug/L	2	1	U	5	U	1	U	1	U	1	U	1	U	9.1	J	1	U	
Xylenes (total)	1330-20-7	ug/L	5	2	U	10	U	2	U	2	U	2	U	2	U	2	U	2	U	
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	ug/L	5	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U
	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U
	2,2'-Oxybis(1-Chloropropane)	108-60-1	ug/L	5	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U
	2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	1	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U
	2,4,5-Trichlorophenol	95-95-4	ug/L	1	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U
	2,4,6-Trichlorophenol	88-06-2	ug/L	1	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U
	2,4-Dichloropheno	120-83-2	ug/L	1	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U
	2,4-Dimethylpheno	105-67-9	ug/L	1	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U
	2,4-Dinitropheno	51-28-5	ug/L	1	9.4	UJ	9.7	U	9.4	U	11	U	10	U	10	U	10	U	9.4	U
	2,4-Dinitrotoluene	121-14-2	ug/L	5	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U
	2,6-Dinitrotoluene	606-20-2	ug/L	5	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U
	2-Chloronaphthalene	91-58-7	ug/L	10	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U
	2-Chloropheno	95-57-8	ug/L	1	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U
	2-Methylnaphthalene	91-57-6	ug/L	NA	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U
	2-Methylpheno	95-48-7	ug/L	1	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U
	2-Nitroaniline	88-74-4	ug/L	5	9.4	U	9.7	U	9.4	U	11	U	10	U	10	U	10	U	9.4	U
	2-Nitrophenol	88-75-5	ug/L	1	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U
	3 & 4 Methylpheno	MEPH3MEPH4	ug/L	1	9.4	U	9.7	U	9.4	U	11	U	10	U	10	U	10	U	9.4	U
	3,3'-Dichlorobenzidine	91-94-1	ug/L	5	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U
	3-Nitroaniline	99-09-2	ug/L	5	9.4	U	9.7	UJ	9.4	U	11	U	10	U	10	U	10	UJ	9.4	UJ
4,6-Dinitro-2-methylpheno	534-52-1	ug/L	1	9.4	UJ	9.7	U	9.4	U	11	U	10	U	10	U	10	U	9.4	U	
4-Bromophenyl phenyl ethe	101-55-3	ug/L	NA	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U	
4-Chloro-3-methylpheno	59-50-7	ug/L	1	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U	
4-Chloroaniline	106-47-8	ug/L	5	4.7	U	4.8	UJ	4.7	U	5.4	UJ	5.1	UJ	5.1	U	5.1	UJ	4.7	UJ	

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		BLD 41-1		BLD 43-1		BLD 45-1		BLD 46-1 ⁽¹⁾				BLD 56-1D		BLD 56-1S		BLD 62-1D ⁽¹⁾	
					Sample Date		9/26/2013 12:30		8/30/2013 15:25		8/28/2013 15:07		9/17/2013 11:35		9/17/2013 11:35		10/3/2013 11:00		10/2/2013 14:25		9/11/2013 14:30	
					Sample ID		BLD41-1 (092613)		BLD 43-1 (083013)		BLD-45-1 (082813)		BLD 46-1 (091713)		BMS-DUP (091713)		BLD56-1D (100313)		BLD 56-1S (100213)		BLD62-1S (9/11/13)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
SVOCs Method SW8270C/D (Cont.)	4-Chlorophenyl phenyl ether	7005-72-3	ug/L	NA	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	4-Methylphenol	106-44-5	ug/L	1	9.4	U	9.7	U	9.4	U	11	U	10	U	10	U	10	U	9.4	U		
	4-Nitroaniline	100-01-6	ug/L	5	9.4	U	9.7	U	9.4	U	11	U	10	U	10	U	10	U	9.4	U		
	4-Nitrophenol	100-02-7	ug/L	1	9.4	U	9.7	U	9.4	U	11	U	10	U	10	U	10	U	9.4	U		
	Acenaphthene	83-32-9	ug/L	20	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	Acenaphthylene	208-96-8	ug/L	NA	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	Acetophenone	98-86-2	ug/L	NA	4.7	U	4.8	UJ	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	Aniline	62-53-3	ug/L	5	9.4	U	9.7	U	9.4	UJ	11	U	10	U	10	U	10	U	9.4	U		
	Anthracene	120-12-7	ug/L	50	4.7	U	4.8	U	4.7	U	0.61	J	5.1	U	5.1	U	5.1	U	4.7	U		
	Atrazine	1912-24-9	ug/L	7.5	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	Benzaldehyde	100-52-7	ug/L	NA	4.7	UJ	4.8	UJ	4.7	U	0.32	J	0.27	J	5.1	U	5.1	UJ	4.7	UJ		
	Benzo(a)anthracene	56-55-3	ug/L	0.002	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	Benzo(a)pyrene	50-32-8	ug/L	ND	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	Benzo(b)fluoranthene	205-99-2	ug/L	0.002	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	Benzo(g,h,i)perylene	191-24-2	ug/L	NA	4.7	U	4.8	UJ	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	Benzo(k)fluoranthene	207-08-9	ug/L	0.002	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	Benzyl alcoho	100-51-6	ug/L	NA	19	U	19	UJ	19	UJ	22	U	21	U	20	U	20	U	19	U		
	Bis(2-chloroethoxy)methane	111-91-1	ug/L	5	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	Bis(2-chloroethyl)ether	111-44-4	ug/L	1	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	5	4.7	UJ	3.8	J	4.7	U	7.9		10		5.1	U	5.1	U	4.1	J		
	Butyl benzyl phthalate	85-68-7	ug/L	50	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	Caprolactam	105-60-2	ug/L	NA	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	2.6	J		
	Carbazole	86-74-8	ug/L	NA	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	Chrysene	218-01-9	ug/L	0.002	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	Dibenz(a,h)anthracene	53-70-3	ug/L	NA	4.7	U	4.8	UJ	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	Dibenzofuran	132-64-9	ug/L	NA	9.4	U	9.7	U	9.4	U	11	U	10	U	10	U	10	U	9.4	U		
	Dicyclohexylamine	101-83-7	ug/L	†	9.4	UJ	9.7	UJ	9.4	UJ	11	UJ	10	UJ	10	UJ	10	UJ	9.4	UJ		
	Diethyl phthalate	84-66-2	ug/L	50	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	Dimethyl phthalate	131-11-3	ug/L	50	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	Di-n-butyl phthalate	84-74-2	ug/L	50	4.7	U	4.8	UB	4.7	U	5.4	U	0.59	J	5.1	U	5.1	U	0.73	J		
	Di-n-octyl phthalate	117-84-0	ug/L	50	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	Fluoranthene	206-44-0	ug/L	50	4.7	UJ	4.8	U	4.7	U	0.44	J	0.54	J	5.1	U	5.1	U	4.7	U		
	Fluorene	86-73-7	ug/L	50	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	Hexachlorobenzene	118-74-1	ug/L	0.04	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	Hexachlorobutadiene	87-68-3	ug/L	0.5	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	Hexachlorocyclopentadiene	77-47-4	ug/L	5	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	UJ		
	Hexachloroethane	67-72-1	ug/L	5	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	Indeno(1,2,3-cd)pyrene	193-39-5	ug/L	0.002	4.7	U	4.8	UJ	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	Isophorone	78-59-1	ug/L	50	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	n,n-Dimethylaniline	121-69-7	ug/L	1	4.7	UJ	4.8	UJ	4.7	UJ	5.4	UJ	5.1	UJ	5.1	UJ	5.1	UJ	4.7	UJ		
	Naphthalene	91-20-3	ug/L	10	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	Nitrobenzene	98-95-3	ug/L	0.4	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	N-Nitroso-di-n-propylamine	621-64-7	ug/L	NA	4.7	U	4.8	UJ	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	N-Nitrosodiphenylamine	86-30-6	ug/L	50	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		
	Pentachloropheno	87-86-5	ug/L	1	9.4	U	9.7	U	9.4	U	11	U	10	U	10	U	10	U	9.4	U		
	Phenanthrene	85-01-8	ug/L	50	4.7	U	4.8	U	4.7	U	0.63	J	0.78	J	5.1	U	5.1	U	4.7	U		
	Phenol	108-95-2	ug/L	1	4.7	U	4.8	U	4.7	U	5.4	U	5.1	U	5.1	U	5.1	U	4.7	U		

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		BLD 41-1		BLD 43-1		BLD 45-1		BLD 46-1				BLD 56-1D		BLD 56-1S		BLD 62-1D ⁽¹⁾	
					Sample Date		9/26/2013 12:30		8/30/2013 15:25		8/28/2013 15:07		9/17/2013 11:35		9/17/2013 11:35		10/3/2013 11:00		10/2/2013 14:25		9/11/2013 14:30	
					Sample ID		BLD41-1 (092613)		BLD 43-1 (083013)		BLD-45-1 (082813)		BLD 46-1 (091713)		BMS-DUP (091713)		BLD56-1D (100313)		BLD 56-1S (100213)		BLD62-1S (9/11/13)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
SVOCs	Total Phenols	Arc-Tphen	ug/L	1	ND		ND		ND		ND		ND		ND		ND		ND			
Method	Pyrene	129-00-0	ug/L	50	4.7	U	4.8	U	4.7	U	5.4	U	0.41	J	5.1	U	5.1	U	4.7	U		
SW8270C/D	Pyridine	110-86-1	ug/L	50	23	U	0.53	J	24	U	27	U	26	U	26	U	25	U	0.43	J		
(Cont.)	Triethylamine	121-44-8	ug/L	NA	4.7	UJ	4.8	UJ	4.7	UJ	5.4	UJ	5.1	UJ	17	J	5.1	UJ	4.7	UJ		
Alcohol	Ethanol	64-17-5	mg/L	†	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U		
Method	Ethylene glyco	107-21-1	mg/L	0.05	100	U	10	U	10	U	10	U	10	U	100	U	10	U	10	U		
SW8015B/D	Isopropyl alcohol	67-63-0	mg/L	NA	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.29	J		
	Methanol	67-56-1	mg/L	NA	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U		
	Propylene glycol	57-55-6	ma/L	1	100	U	10	U	10	U	10	U	10	U	100	U	10	U	10	U		

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		BLD 62-15 ⁽¹⁾		BLD 68-1		CHP43RX *		DS 2-1		DS 2-3		PAN 1-1 ⁽¹⁾				PAS 1-1	
					Sample Date		9/11/2013 12:50		9/9/2013 10:10		12/19/2013 13:30		8/30/2013 13:25		8/30/2013 10:10		9/5/2013 14:40		9/5/2013 0:00		9/3/2013 10:30	
					Sample ID		BLD62-1D (9/11/13)		BLD 68-1 (090913)		CHP43RX(1219201 3)-Grab		DS 2-1 (083013)		DS 2-3 (083013)		PAN 1-1 (090513)		BMS-DUP-090513		PAS 1-2 (090313)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	ug/L	5	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/L	5	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	UJ
	1,1,2-Trichloroethane	79-00-5	ug/L	1	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	1,1-Dichloroethane	75-34-3	ug/L	5	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	1,1-Dichloroethene	75-35-4	ug/L	5	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	1,2,3-Trichlorobenzene	87-61-6	ug/L	5	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	1,2,4-Trichlorobenzene	120-82-1	ug/L	5	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	1,2,4-Trimethylbenzene	95-63-6	ug/L	5	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	0.04	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	1,2-Dibromoethane	106-93-4	ug/L	0.0006	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	1,2-Dichlorobenzene	95-50-1	ug/L	3	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	1,2-Dichloroethane	107-06-2	ug/L	0.6	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	1,2-Dichloropropane	78-87-5	ug/L	1	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	1,3,5-Trimethylbenzene	108-67-8	ug/L	5	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	1,3-Dichlorobenzene	541-73-1	ug/L	3	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	1,4-Dichlorobenzene	106-46-7	ug/L	3	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	1,4-Dioxane	123-91-1	ug/L	NA	8,000	UJ	40	UJ	200	UJ	40	UJ	40	UJ	40	UJ	160	UJ	160	UJ	40	UJ
	2-Butanone	78-93-3	ug/L	50	2,000	U	10	U	50	U	10	U	10	U	10	U	40	U	40	U	10	U
	2-Hexanone	591-78-6	ug/L	50	1,000	U	5	U	25	U	5	U	5	U	5	U	20	U	20	U	5	U
	2-Nitropropane	79-46-9	ug/L	NA	1,000	UJ	5	UJ	25	UJ	5	UJ	5	UJ	5	UJ	20	UJ	20	UJ	5	UJ
	4-Methyl-2-pentanone	108-10-1	ug/L	NA	1,000	U	5	U	25	U	5	U	5	U	5	U	20	U	20	U	5	U
	Acetone	67-64-1	ug/L	50	2,000	U	10	U	74		6.6	J	10	U	10	U	40	U	40	U	10	U
	Acetonitrile	75-05-8	ug/L	NA	8,000	U	40	U	200	U	40	U	40	U	40	U	160	U	160	U	40	U
	Benzene	71-43-2	ug/L	1	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	Bromochloromethane	74-97-5	ug/L	5	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	Bromodichloromethane	75-27-4	ug/L	50	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	Bromoform	75-25-2	ug/L	50	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	Bromomethane	74-83-9	ug/L	5	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	UJ
	Carbon disulfide	75-15-0	ug/L	60	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	Carbon tetrachloride	56-23-5	ug/L	5	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	Chlorobenzene	108-90-7	ug/L	5	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	Chlorodifluoromethane	75-45-6	ug/L	5	200	UJ	1	UJ	5	UJ	1	UJ	1	UJ	1	UJ	4	UJ	4	UJ	1	UJ
	Chloroethane	75-00-3	ug/L	5	200	UJ	1	UJ	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	Chloroform	67-66-3	ug/L	7	200	U	1		5	U	1	U	0.7	J	1	U	4	U	4	U	1	U
	Chloromethane	74-87-3	ug/L	5	200	U	1	U	2.5	J	1	U	1	U	1	U	4	U	4	U	1	U
	cis-1,2-Dichloroethene	156-59-2	ug/L	5	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	cis-1,3-Dichloropropene	10061-01-5	ug/L	0.4	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	Cyclohexane	110-82-7	ug/L	NA	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	Cyclohexanone	108-94-1	ug/L	NA		R		R	50	UJ		R		R		R		R		R		R
	Dibromochloromethane	124-48-1	ug/L	50	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	Dichlorodifluoromethane	75-71-8	ug/L	5	200	UJ	4	J	5	U	1	U	1.4		1.4		4	U	4	U	1	UJ
	Diethyl ether	60-29-7	ug/L	NA	200	UJ	1	UJ	5	UJ	1	UJ	1	UJ	1	UJ	4	UJ	4	UJ	1	UJ
	Ethyl acetate	141-78-6	ug/L	NA	200	UJ	1	UJ	5	UJ	1	UJ	1	UJ	1	UJ	4	UJ	4	UJ	1	UJ
	Ethylbenzene	100-41-4	ug/L	5	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	Isobutanol	78-83-1	ug/L	NA	8,000	UJ	40	UJ	200	UJ	40	UJ	40	UJ	40	UJ	160	UJ	160	UJ	40	UJ
	Isopropylbenzene	98-82-8	ug/L	5	200	U	1	U	5	U	1	U	1	U	1	U	4	U	4	U	1	U
	m&p-Xylene	179601-23-1	ug/L	5	400	U	2	U	10	U	2	U	2	U	2	U	8	U	8	U	2	U

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Location		Sample Date		Sample ID		BLD 62-15 ⁽¹⁾		BLD 68-1		CHP43RX *		DS 2-1		DS 2-3		PAN 1-1 ⁽¹⁾				PAS 1-1	
							9/11/2013 12:50				9/11/2013 12:50		9/9/2013 10:10		12/19/2013 13:30		8/30/2013 13:25		8/30/2013 10:10		9/5/2013 14:40		9/5/2013 0:00		9/3/2013 10:30	
											BLD62-1D (9/11/13)		BLD 68-1 (090913)		CHP43RX(1219201 3)-Grab		DS 2-1 (083013)		DS 2-3 (083013)		PAN 1-1 (090513)		BMS-DUP-090513		PAS 1-2 (090313)	
							Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Methyl acetate	79-20-9	ug/L	NA			200	U	1	U	5	U	1	U	5	U	1	U	1	U	4	U	4	U	1	U
	Methyl tert-butyl ether	1634-04-4	ug/L	10			200	U	1	U	5	U	1	U	5	U	1	U	1	U	4	U	4	U	1	U
	Methylcyclohexane	108-87-2	ug/L	†			200	U	1	U	5	U	1	U	5	U	1	U	1	U	4	U	4	U	1	U
	Methylene Chloride	75-09-2	ug/L	5			8,400		1	U	100,000	D	1	U	1	U	1	U	1	U	4	U	4	U	1	U
	Naphthalene	91-20-3	ug/L	10			200	UJ	1	UJ	5	U	1	U	5	U	1	U	1	U	4	U	4	U	1	U
	n-Butanol	71-36-3	ug/L	50			8,000	UJ	40	UJ	200	UJ	40	UJ	200	UJ	40	UJ	40	UJ	160	UJ	160	UJ	40	UJ
	n-Butylbenzene	104-51-8	ug/L	5			200	U	1	U	5	U	1	U	5	U	1	U	1	U	4	U	4	U	1	U
	n-Heptane	142-82-5	ug/L	NA			4,000	UJ	20	UJ	100	UJ	20	UJ	100	UJ	20	UJ	20	UJ	80	UJ	80	UJ	20	UJ
	n-Hexane	110-54-3	ug/L	NA			2,000	UJ	10	UJ	50	UJ	10	UJ	50	UJ	10	UJ	10	UJ	40	UJ	40	UJ	10	UJ
	o-Xylene	95-47-6	ug/L	5			200	U	1	U	5	U	1	U	5	U	1	U	1	U	4	U	4	U	1	U
	p-Isopropyltoluene	99-87-6	ug/L	5			200	U	1	U	5	U	1	U	5	U	1	U	1	U	4	U	4	U	1	U
	sec-Butylbenzene	135-98-8	ug/L	5			200	U	1	U	5	U	1	U	5	U	1	U	1	U	4	U	4	U	1	U
	Styrene	100-42-5	ug/L	5			200	U	1	U	5	U	1	U	5	U	1	U	1	U	4	U	4	U	1	U
	tert-Butanol	75-65-0	ug/L	NA			4,000	UJ	20	UJ	100	UJ	20	UJ	100	UJ	20	UJ	20	UJ	80	UJ	80	UJ	20	UJ
	tert-Butylbenzene	98-06-6	ug/L	5			200	U	1	U	5	U	1	U	5	U	1	U	1	U	4	U	4	U	1	U
	Tetrachloroethene	127-18-4	ug/L	5			200	U	1	U	5	U	1	U	5	U	1	U	1	U	4	U	4	U	1	U
	Tetrahydrofuran	109-99-9	ug/L	50			1,000	U	5	U	25	U	5	U	25	U	5	U	5	U	20	U	20	U	5	U
	Toluene	108-88-3	ug/L	5			200	U	1	U	5	U	1	U	5	U	1	U	1	U	4	U	4	U	1	U
	trans-1,2-Dichloroethene	156-60-5	ug/L	5			200	U	1	U	5	U	1	U	5	U	1	U	1	U	4	U	4	U	1	U
	trans-1,3-Dichloropropene	10061-02-6	ug/L	0.4			200	U	1	U	5	U	1	U	5	U	1	U	1	U	4	U	4	U	1	U
	Trichloroethene	79-01-6	ug/L	5			200	U	0.54	J	5	U	1	U	5	U	1	U	0.92	J	4	U	4	U	1	U
	Trichlorofluoromethane	75-69-4	ug/L	5			200	U	1	U	5	U	1	U	5	U	1	U	1	U	4	U	4	U	1	U
	Vinyl chloride	75-01-4	ug/L	2			200	U	1	U	5	U	1	U	5	U	1	U	1	U	4	U	4	U	1	U
	Xylenes (total)	1330-20-7	ug/L	5			400	U	2	U	10	U	2	U	10	U	2	U	2	U	8	U	8	U	2	U
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	ug/L	5			4.8	U	5.4	U	4.7	U	4.9	U	4.7	U	4.9	U	4.6	U	5.1	U	5.2	U	4.9	U
	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5			4.8	U	5.4	U	4.7	U	4.9	U	4.7	U	4.9	U	4.6	U	5.1	U	5.2	U	4.9	U
	2,2'-Oxybis(1-Chloropropane)	108-60-1	ug/L	5			4.8	U	5.4	U	4.7	U	4.9	U	4.7	U	4.9	U	4.6	U	5.1	U	5.2	U	4.9	U
	2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	1			4.8	U	5.4	U	4.7	U	4.9	U	4.7	U	4.9	U	4.6	U	5.1	U	5.2	U	4.9	U
	2,4,5-Trichlorophenol	95-95-4	ug/L	1			4.8	U	5.4	U	4.7	U	4.9	U	4.7	U	4.9	U	4.6	U	5.1	U	5.2	U	4.9	U
	2,4,6-Trichlorophenol	88-06-2	ug/L	1			4.8	U	5.4	U	4.7	U	4.9	U	4.7	U	4.9	U	4.6	U	5.1	U	5.2	U	4.9	U
	2,4-Dichloropheno	120-83-2	ug/L	1			4.8	U	5.4	U	4.7	UJ	4.9	U	4.7	UJ	4.9	U	4.6	U	5.1	U	5.2	U	4.9	U
	2,4-Dimethylpheno	105-67-9	ug/L	1			4.8	U	5.4	UJ	4.7	U	4.9	U	4.7	U	4.9	U	4.6	U	5.1	UJ	5.2	UJ	4.9	U
	2,4-Dinitropheno	51-28-5	ug/L	1			9.6	U	11	U	9.5	U	9.8	U	9.5	U	9.8	U	9.2	U	10	U	10	U	9.9	U
	2,4-Dinitrotoluene	121-14-2	ug/L	5			4.8	U	5.4	U	4.7	U	4.9	U	4.7	U	4.9	U	4.6	U	5.1	U	5.2	U	4.9	U
	2,6-Dinitrotoluene	606-20-2	ug/L	5			4.8	U	5.4	U	4.7	U	4.9	U	4.7	U	4.9	U	4.6	U	5.1	U	5.2	U	4.9	U
	2-Chloronaphthalene	91-58-7	ug/L	10			4.8	U	5.4	U	4.7	U	4.9	U	4.7	U	4.9	U	4.6	U	5.1	U	5.2	U	4.9	U
	2-Chloropheno	95-57-8	ug/L	1			4.8	U	5.4	U	4.7	U	4.9	U	4.7	U	4.9	U	4.6	U	5.1	U	5.2	U	4.9	U
	2-Methylnaphthalene	91-57-6	ug/L	NA			4.8	U	5.4	U	4.7	U	4.9	U	4.7	U	4.9	U	4.6	U	5.1	U	5.2	U	4.9	U
	2-Methylpheno	95-48-7	ug/L	1			4.8	U	5.4	U	4.7	U	4.9	U	4.7	U	4.9	U	4.6	U	5.1	U	5.2	U	4.9	U
	2-Nitroaniline	88-74-4	ug/L	5			9.6	U	11	U	9.5	U	9.8	U	9.5	U	9.8	U	9.2	U	10	U	10	U	9.9	U
	2-Nitrophenol	88-75-5	ug/L	1			4.8	U	5.4	U	4.7	U	4.9	U	4.7	U	4.9	U	4.6	U	5.1	U	5.2	U	4.9	U
	3 & 4 Methylpheno	MEPH3MEPH4	ug/L	1			9.6	U	11	U	9.5	U	9.8	U	9.5	U	9.8	U	9.2	U	10	U	10	U	9.9	U
	3,3'-Dichlorobenzidine	91-94-1	ug/L	5			4.8	U	5.4	U	4.7	U	4.9	U	4.7	U	4.9	U	4.6	U	5.1	U	5.2	U	4.9	U
	3-Nitroaniline	99-09-2	ug/L	5			9.6	UJ	11	UJ	9.5	UJ	9.8	UJ	9.5	UJ	9.8	UJ	9.2	UJ	10	UJ	10	UJ	9.9	UJ
	4,6-Dinitro-2-methylpheno	534-52-1	ug/L	1			9.6	U	11	U	9.5	U	9.8	U	9.5	U	9.8	U	9.2	U	10	U	10	U	9.9	U
	4-Bromophenyl phenyl ether	101-55-3	ug/L	NA			4.8	U	5.4	U	4.7	U	4.9	U	4.7	U	4.9	U	4.6	U	5.1	U	5.2	U	4.9	U
	4-Chloro-3-methylpheno	59-50-7	ug/L	1			4.8	U	5.4	U	4.7	U	4.9	U	4.7	U	4.9	U	4.6	U	5.1	U	5.2	U	4.9	U
	4-Chloroaniline	106-47-8	ug/L	5			4.8	UJ	5.4	UJ	4.7	UJ	4.9	UJ	4.7	UJ	4.9	UJ	4.6	UJ	5.1	UJ	5.2	UJ	4.9	UJ

See Notes on Page 61.

**2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY**

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		BLD 62-1S ⁽¹⁾		BLD 68-1		CHP43RX *		DS 2-1		DS 2-3		PAN 1-1 ⁽¹⁾				PAS 1-1	
					Sample Date		9/11/2013 12:50		9/9/2013 10:10		12/19/2013 13:30		8/30/2013 13:25		8/30/2013 10:10		9/5/2013 14:40		9/5/2013 0:00		9/3/2013 10:30	
					Sample ID		BLD62-1D (9/11/13)		BLD 68-1 (090913)		CHP43RX(12192013)-Grab		DS 2-1 (083013)		DS 2-3 (083013)		PAN 1-1 (090513)		BMS-DUP-090513		PAS 1-2 (090313)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs	Total Phenols	Arc-Tphen	ug/L	1	ND		ND		3.1	J	ND		ND		ND		ND		ND		ND	
Method	Pyrene	129-00-0	ug/L	50	4.8	U	5.4	U	4.7	U	4.9	U	4.6	U	5.1	U	5.2	U	4.9	U		
SW8270C/D	Pyridine	110-86-1	ug/L	50	24	U	27	U	24	U	25	U	23	U	25	U	26	U	25	U		
(Cont.)	Triethylamine	121-44-8	ug/L	NA	4.8	UJ	5.4	UJ	4.7	UJ	4.9	UJ	4.6	UJ	5.1	UJ	5.2	UJ	4.9	UJ		
Alcohol	Ethanol	64-17-5	mg/L	†	10	U		R	1	U	1	U	1	U	1	U	1	U	1	U		
Method	Ethylene glyco	107-21-1	mg/L	0.05	16	J	12	J	1.9	J	10	U	10	U	10	UB	10	UB	10	U		
SW8015B/D	Isopropyl alcohol	67-63-0	mg/L	NA	10	U		R	0.18	J	1	U	1	U	0.4	J	1	U	1	U		
	Methanol	67-56-1	mg/L	NA	10	U		R	1	U	1	U	1	U	0.45	J	1	U	1	U		
	Propylene glycol	57-55-6	mg/L	1	100	UJ	100	UJ	10	U	10	U	10	U	10	U	10	U	10	U		

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		PAS 1-2 ⁽¹⁾		PR 1-1		PR 24A-1		PR 25-1		PR 5A-1		PR 8C-1		PR 9A-1		SR-2	
					Sample Date		9/3/2013 13:30		9/20/2013 16:00		8/27/2013 13:15		8/27/2013 15:42		9/24/2013 16:15		9/20/2013 13:50		9/26/2013 15:20		9/16/2013 12:45	
					Sample ID		PAS 1-1 (090313)		PR1-1 (092013)		PR 24A-1 (082713)		PR 25-1 (082713)		PR5A-1 (92413)		PR8C-1 (092013)		PR9A-1 (092613)		SR-2 (091613)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	ug/L	5	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/L	5	1	UJ	1,800	D	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	1,1,2-Trichloroethane	79-00-5	ug/L	1	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	1,1-Dichloroethane	75-34-3	ug/L	5	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	1,1-Dichloroethene	75-35-4	ug/L	5	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	1,2,3-Trichlorobenzene	87-61-6	ug/L	5	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	1,2,4-Trichlorobenzene	120-82-1	ug/L	5	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	1,2,4-Trimethylbenzene	95-63-6	ug/L	5	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	0.04	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	UJ
	1,2-Dibromoethane	106-93-4	ug/L	0.0006	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	1,2-Dichlorobenzene	95-50-1	ug/L	3	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	1,2-Dichloroethane	107-06-2	ug/L	0.6	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	1,2-Dichloropropane	78-87-5	ug/L	1	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	1,3,5-Trimethylbenzene	108-67-8	ug/L	5	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	1,3-Dichlorobenzene	541-73-1	ug/L	3	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	1,4-Dichlorobenzene	106-46-7	ug/L	3	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	1,4-Dioxane	123-91-1	ug/L	NA	40	UJ	160	UJ	40	UJ	40	UJ	40	UJ	40	UJ	160	UJ	80	UJ	40	UJ
	2-Butanone	78-93-3	ug/L	50	10	U	40	U	10	UJ	10	U	10	U	10	U	40	U	20	U	10	U
	2-Hexanone	591-78-6	ug/L	50	5	U	20	U	5	UJ	5	U	5	U	5	U	20	U	10	U	5	U
	2-Nitropropane	79-46-9	ug/L	NA	5	UJ	20	UJ	5	UJ	5	UJ	5	UJ	5	UJ	20	UJ	10	UJ	5	UJ
	4-Methyl-2-pentanone	108-10-1	ug/L	NA	5	U	20	U	5	UJ	5	U	5	U	5	U	15	J	10	U	5	U
	Acetone	67-64-1	ug/L	50	3.9	J	17	J	10	UJ	10	UJ	10	UJ	5.1	J	20	J	7.9	J	4.8	J
	Acetonitrile	75-05-8	ug/L	NA	40	U	160	UJ	40	UJ	40	U	40	UJ	40	UJ	160	UJ	80	U	40	U
	Benzene	71-43-2	ug/L	1	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	Bromochloromethane	74-97-5	ug/L	5	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	Bromodichloromethane	75-27-4	ug/L	50	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	Bromoform	75-25-2	ug/L	50	1	U	4	UJ	1	UJ	1	U	1	U	1	U	4	UJ	2	U	1	UJ
	Bromomethane	74-83-9	ug/L	5	1	UJ	4	UJ	1	UJ	1	UJ	1	UJ	1	U	4	UJ	2	UJ	1	UJ
	Carbon disulfide	75-15-0	ug/L	60	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	Carbon tetrachloride	56-23-5	ug/L	5	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	Chlorobenzene	108-90-7	ug/L	5	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	Chlorodifluoromethane	75-45-6	ug/L	5	1	UJ	4	UJ	1	UJ	1	UJ	1	UJ	1	UJ	4	UJ	38	J	1	UJ
	Chloroethane	75-00-3	ug/L	5	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	UJ
	Chloroform	67-66-3	ug/L	7	1	U	13		1	UJ	1	U	1	U	1	U	4	U	2.2		1	U
	Chloromethane	74-87-3	ug/L	5	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	UJ
	cis-1,2-Dichloroethene	156-59-2	ug/L	5	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	cis-1,3-Dichloropropene	10061-01-5	ug/L	0.4	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	Cyclohexane	110-82-7	ug/L	NA	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	Cyclohexanone	108-94-1	ug/L	NA		R		R	10	UJ	10	UJ	10	UJ	10	UJ		R		R	10	UJ
	Dibromochloromethane	124-48-1	ug/L	50	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	Dichlorodifluoromethane	75-71-8	ug/L	5	1	UJ	14		1	UJ	1.2	J	1	U	1	U	4	U	2	UJ	1	U
	Diethyl ether	60-29-7	ug/L	NA	1	UJ	4	UJ	1	UJ	1	UJ	1	UJ	1	UJ	4	UJ	2	UJ	1	UJ
	Ethyl acetate	141-78-6	ug/L	NA	1	UJ	4	UJ	1	UJ	1	UJ	1	UJ	1	UJ	4	UJ	2.2	J	1.5	J
	Ethylbenzene	100-41-4	ug/L	5	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	Isobutanol	78-83-1	ug/L	NA	40	UJ	160	UJ	40	UJ	40	UJ	40	UJ	40	UJ	160	UJ	80	UJ	40	UJ
	Isopropylbenzene	98-82-8	ug/L	5	1	U	4	U	1	UJ	1	U	1	U	1	U	4	U	2	U	1	U
	m&p-Xylene	179601-23-1	ug/L	5	2	U	8	U	2	UJ	1.3	J	2	U	2	U	8	U	4	U	2	U

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		PAS 1-2 ⁽¹⁾		PR 1-1		PR 24A-1		PR 25-1		PR 5A-1		PR 8C-1		PR 9A-1		SR-2	
					Sample Date		9/3/2013 13:30		9/20/2013 16:00		8/27/2013 13:15		8/27/2013 15:42		9/24/2013 16:15		9/20/2013 13:50		9/26/2013 15:20		9/16/2013 12:45	
					Sample ID		PAS 1-1 (090313)		PR1-1 (092013)		PR 24A-1 (082713)		PR 25-1 (082713)		PR5A-1 (92413)		PR8C-1 (092013)		PR9A-1 (092613)		SR-2 (091613)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Methyl acetate	79-20-9	ug/L	NA	1	U	4	U	1	UJ	1	U	1	U	4	U	2	U	1	U	1	U
	Methyl tert-butyl ether	1634-04-4	ug/L	10	1	U	4	U	1	UJ	1	U	1	U	4	U	2	U	1	U	1	U
	Methylcyclohexane	108-87-2	ug/L	†	1	U	4	U	1	UJ	1	U	1	U	4	U	2	U	1	U	1	U
	Methylene Chloride	75-09-2	ug/L	5	1	U	3.3	J	1	UJ	1	U	0.55	J	2.6	J	1.1	J	1	U	1	U
	Naphthalene	91-20-3	ug/L	10	1	U	4	U	1	UJ	1	U	1	U	4	U	1.4	J	1	U	1	U
	n-Butanol	71-36-3	ug/L	50	40	UJ	160	UJ	40	UJ	40	UJ	40	UJ	40	UJ	160	UJ	80	UJ	40	UJ
	n-Butylbenzene	104-51-8	ug/L	5	1	U	4	U	1	UJ	1	U	1	U	4	U	2	U	1	U	1	U
	n-Heptane	142-82-5	ug/L	NA	20	UJ	80	UJ	20	UJ	20	UJ	20	UJ	20	UJ	80	UJ	40	UJ	20	UJ
	n-Hexane	110-54-3	ug/L	NA	10	UJ	40	UJ	10	UJ	10	UJ	10	UJ	10	UJ	40	UJ	20	UJ	10	UJ
	o-Xylene	95-47-6	ug/L	5	1	U	4	U	1	UJ	1	U	1	U	4	U	2	U	1	U	1	U
	p-Isopropyltoluene	99-87-6	ug/L	5	1	U	4	U	1	UJ	1	U	1	U	4	U	2	U	1	U	1	U
	sec-Butylbenzene	135-98-8	ug/L	5	1	U	4	U	1	UJ	1	U	1	U	4	U	2	U	1	U	1	U
	Styrene	100-42-5	ug/L	5	1	U	4	U	1	UJ	1	U	1	U	4	U	2	U	1	U	1	U
	tert-Butanol	75-65-0	ug/L	NA	20	UJ	80	UJ	20	UJ	20	UJ	20	UJ	20	UJ	80	UJ	40	UJ	20	UJ
	tert-Butylbenzene	98-06-6	ug/L	5	1	U	4	U	1	UJ	1	U	1	U	4	U	2	U	1	U	1	U
	Tetrachloroethene	127-18-4	ug/L	5	1	U	4	U	1	UJ	1	U	1	U	4	U	2	U	1	U	1	U
	Tetrahydrofuran	109-99-9	ug/L	50	5	U	20	U	5	UJ	5	U	5	U	20	U	10	U	5	U	5	U
	Toluene	108-88-3	ug/L	5	1	U	4	U	1	UJ	1	U	1	U	4	U	2	U	1	U	1	U
	trans-1,2-Dichloroethene	156-60-5	ug/L	5	1	U	4	U	1	UJ	1	U	1	U	4	U	2	U	1	U	1	U
	trans-1,3-Dichloropropene	10061-02-6	ug/L	0.4	1	U	4	U	1	UJ	1	U	1	U	4	U	2	U	1	U	1	U
	Trichloroethene	79-01-6	ug/L	5	1	U	6.9		1	UJ	1	U	1	U	4	U	2	U	1	U	1	U
	Trichlorofluoromethane	75-69-4	ug/L	5	1	U	4	U	1	UJ	1	U	1	U	4	U	2	U	1	U	1	U
	Vinyl chloride	75-01-4	ug/L	2	1	U	4	U	1	UJ	1	U	1	U	4	U	2	U	1	U	1	U
	Xylenes (total)	1330-20-7	ug/L	5	2	U	8	U	2	UJ	1.3	J	2	U	8	U	4	U	2	U	2	U
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	ug/L	5	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U	5	U
	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U	5	U
	2,2'-Oxybis(1-Chloropropane)	108-60-1	ug/L	5	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U	5	U
	2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	1	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U	5	U
	2,4,5-Trichlorophenol	95-95-4	ug/L	1	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U	5	U
	2,4,6-Trichlorophenol	88-06-2	ug/L	1	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U	5	U
	2,4-Dichloropheno	120-83-2	ug/L	1	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U	5	U
	2,4-Dimethylpheno	105-67-9	ug/L	1	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U	5	U
	2,4-Dinitropheno	51-28-5	ug/L	1	10	U	9.8	U	9.2	U	9.7	U	9.3	U	10	U	9.8	UJ	9.9	U	9.9	U
	2,4-Dinitrotoluene	121-14-2	ug/L	5	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U	5	U
	2,6-Dinitrotoluene	606-20-2	ug/L	5	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U	5	U
	2-Chloronaphthalene	91-58-7	ug/L	10	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U	5	U
	2-Chloropheno	95-57-8	ug/L	1	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U	5	U
	2-Methylnaphthalene	91-57-6	ug/L	NA	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U	5	U
	2-Methylpheno	95-48-7	ug/L	1	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U	5	U
	2-Nitroaniline	88-74-4	ug/L	5	10	U	9.8	U	9.2	U	9.7	U	9.3	U	10	U	9.8	U	9.9	U	9.9	U
	2-Nitrophenol	88-75-5	ug/L	1	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U	5	U
	3 & 4 Methylpheno	MEPH3MEPH4	ug/L	1	10	U	9.8	U	9.2	U	9.7	U	9.3	U	10	U	9.8	U	9.9	U	9.9	U
	3,3'-Dichlorobenzidine	91-94-1	ug/L	5	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U	5	U
	3-Nitroaniline	99-09-2	ug/L	5	10	UJ	9.8	UJ	9.2	UJ	9.7	UJ	9.3	U	10	UJ	9.8	U	9.9	UJ	9.9	UJ
	4,6-Dinitro-2-methylpheno	534-52-1	ug/L	1	10	U	9.8	U	9.2	U	9.7	U	9.3	U	10	U	9.8	UJ	9.9	U	9.9	U
	4-Bromophenyl phenyl ethe	101-55-3	ug/L	NA	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U	5	U
	4-Chloro-3-methylpheno	59-50-7	ug/L	1	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U	5	U
	4-Chloroaniline	106-47-8	ug/L	5	5.1	UJ	4.9	UJ	4.6	UJ	4.9	UJ	4.7	U	5.1	UJ	4.9	U	5	U	5	UJ

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		PAS 1-2 ⁽¹⁾		PR 1-1		PR 24A-1		PR 25-1		PR 5A-1		PR 8C-1		PR 9A-1		SR-2	
					Sample Date		9/3/2013 13:30		9/20/2013 16:00		8/27/2013 13:15		8/27/2013 15:42		9/24/2013 16:15		9/20/2013 13:50		9/26/2013 15:20		9/16/2013 12:45	
					Sample ID		PAS 1-1 (090313)		PR1-1 (092013)		PR 24A-1 (082713)		PR 25-1 (082713)		PR5A-1 (92413)		PR8C-1 (092013)		PR9A-1 (092613)		SR-2 (091613)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	4-Chlorophenyl phenyl ether	7005-72-3	ug/L	NA	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	4-Methylphenol	106-44-5	ug/L	1	10	U	9.8	U	9.2	U	9.7	U	9.3	U	10	U	9.8	U	9.9	U		
	4-Nitroaniline	100-01-6	ug/L	5	10	U	9.8	U	9.2	UJ	9.7	UJ	9.3	U	10	U	9.8	U	9.9	U		
	4-Nitrophenol	100-02-7	ug/L	1	10	U	9.8	U	9.2	U	9.7	U	9.3	U	10	U	9.8	U	9.9	U		
	Acenaphthene	83-32-9	ug/L	20	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Acenaphthylene	208-96-8	ug/L	NA	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Acetophenone	98-86-2	ug/L	NA	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Aniline	62-53-3	ug/L	5	10	U	9.8	U	9.2	UJ	9.7	UJ	9.3	U	10	U	9.8	U	9.9	U		
	Anthracene	120-12-7	ug/L	50	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Atrazine	1912-24-9	ug/L	7.5	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Benzaldehyde	100-52-7	ug/L	NA	5.1	U	4.9	U		R		R	4.7	U	5.1	U	4.9	UJ	5	UJ		
	Benzo(a)anthracene	56-55-3	ug/L	0.002	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Benzo(a)pyrene	50-32-8	ug/L	ND	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Benzo(b)fluoranthene	205-99-2	ug/L	0.002	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Benzo(g,h,i)perylene	191-24-2	ug/L	NA	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Benzo(k)fluoranthene	207-08-9	ug/L	0.002	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Benzyl alcoho	100-51-6	ug/L	NA	21	U	20	U	18	U	19	U	19	U	21	U	20	U	20	U		
	Bis(2-chloroethoxy)methane	111-91-1	ug/L	5	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Bis(2-chloroethyl)ether	111-44-4	ug/L	1	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	5	4.1	J	4.9	U	4.6	U	7.7	UB	4.7	U	5.1	U	4.9	UJ	2.9	J		
	Butyl benzyl phthalate	85-68-7	ug/L	50	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Caprolactam	105-60-2	ug/L	NA	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Carbazole	86-74-8	ug/L	NA	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Chrysene	218-01-9	ug/L	0.002	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Dibenz(a,h)anthracene	53-70-3	ug/L	NA	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Dibenzofuran	132-64-9	ug/L	NA	10	U	9.8	U	9.2	U	9.7	U	9.3	U	10	U	9.8	U	9.9	U		
	Dicyclohexylamine	101-83-7	ug/L	†	10	UJ	9.8	UJ	9.2	UJ	51	J	9.3	UJ	10	UJ	9.8	UJ	9.9	UJ		
	Diethyl phthalate	84-66-2	ug/L	50	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	0.52	J		
	Dimethyl phthalate	131-11-3	ug/L	50	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Di-n-butyl phthalate	84-74-2	ug/L	50	5.1	U	4.9	U	0.34	J	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Di-n-octyl phthalate	117-84-0	ug/L	50	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Fluoranthene	206-44-0	ug/L	50	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	UJ	5	U		
	Fluorene	86-73-7	ug/L	50	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Hexachlorobenzene	118-74-1	ug/L	0.04	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Hexachlorobutadiene	87-68-3	ug/L	0.5	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Hexachlorocyclopentadiene	77-47-4	ug/L	5	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Hexachloroethane	67-72-1	ug/L	5	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Indeno(1,2,3-cd)pyrene	193-39-5	ug/L	0.002	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Isophorone	78-59-1	ug/L	50	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	n,n-Dimethylaniline	121-69-7	ug/L	1	5.1	UJ	4.9	UJ	4.6	UJ	4.9	UJ	4.7	UJ	5.1	UJ	4.9	UJ	5	UJ		
	Naphthalene	91-20-3	ug/L	10	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Nitrobenzene	98-95-3	ug/L	0.4	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	N-Nitroso-di-n-propylamine	621-64-7	ug/L	NA	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	N-Nitrosodiphenylamine	86-30-6	ug/L	50	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Pentachloropheno	87-86-5	ug/L	1	10	U	9.8	U	9.2	U	9.7	U	9.3	U	10	U	9.8	U	9.9	U		
	Phenanthrene	85-01-8	ug/L	50	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
	Phenol	108-95-2	ug/L	1	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	0.6	J		

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		PAS 1-2 ⁽¹⁾		PR 1-1		PR 24A-1		PR 25-1		PR 5A-1		PR 8C-1		PR 9A-1		SR-2	
					Sample Date		9/3/2013 13:30		9/20/2013 16:00		8/27/2013 13:15		8/27/2013 15:42		9/24/2013 16:15		9/20/2013 13:50		9/26/2013 15:20		9/16/2013 12:45	
					Sample ID		PAS 1-1 (090313)		PR1-1 (092013)		PR 24A-1 (082713)		PR 25-1 (082713)		PR5A-1 (92413)		PR8C-1 (092013)		PR9A-1 (092613)		SR-2 (091613)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs	Total Phenols	Arc-Tphen	ug/L	1	ND		ND		ND		ND		ND		ND		ND		ND		0.6	J
Method	Pyrene	129-00-0	ug/L	50	5.1	U	4.9	U	4.6	U	4.9	U	4.7	U	5.1	U	4.9	U	5	U		
SW8270C/D	Pyridine	110-86-1	ug/L	50	26	U	24	U	23	U	24	U	23	U	26	U	24	U	1.1	J		
(Cont.)	Triethylamine	121-44-8	ug/L	NA	5.1	UJ	4.9	UJ	4.6	UJ	4.9	UJ	4.7	UJ	5.1	UJ	4.9	UJ	5	UJ		
Alcohol	Ethanol	64-17-5	mg/L	†	10	UJ	1	U	1	UB	1	U	1	U	1	U	1	U	1	U		
Method	Ethylene glyco	107-21-1	mg/L	0.05	100	UJ	10	U	10	U	10	U	10	UB	10	U	10	U	100	UJ		
SW8015B/D	Isopropyl alcohol	67-63-0	mg/L	NA	10	UJ	1	U	1	U	1	U	1	U	0.15	J	1	U	1	U		
	Methanol	67-56-1	mg/L	NA	10	UJ	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U		
	Propylene glycol	57-55-6	mg/L	1	100	UJ	10	U	10	U	10	U	10	U	10	U	10	U	100	UJ		

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		SR-3 ⁽¹⁾		SR-4 ⁽¹⁾		SR-5		T-1 *		T-2		T-3		T-4			
					Sample Date		9/13/2013 15:35		9/13/2013 11:15		9/27/2013 10:20		9/27/2013 10:20		12/19/2013 14:50		9/24/2013 15:00		9/25/2013 10:50		9/25/2013 14:50	
					Sample ID		SR-3 (91313)		SR-4 (91313)		SR-5 (092713)		BMS-DUP- 092713		T-1(121913)-Grab		T-2 (92413)		T-3 (092513)		T-4 (092513)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	0.92	J	1	U	20	U		
	1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U		
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	20		5.9		86			
	1,1,2-Trichloroethane	79-00-5	ug/L	1	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U		
	1,1-Dichloroethane	75-34-3	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	0.78	J	0.71	J	20	U		
	1,1-Dichloroethene	75-35-4	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	3.5		1.3		13	J		
	1,2,3-Trichlorobenzene	87-61-6	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U		
	1,2,4-Trichlorobenzene	120-82-1	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U		
	1,2,4-Trimethylbenzene	95-63-6	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U		
	1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	0.04	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U		
	1,2-Dibromoethane	106-93-4	ug/L	0.0006	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U		
	1,2-Dichlorobenzene	95-50-1	ug/L	3	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U		
	1,2-Dichloroethane	107-06-2	ug/L	0.6	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U		
	1,2-Dichloropropane	78-87-5	ug/L	1	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U		
	1,3,5-Trimethylbenzene	108-67-8	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	34			
	1,3-Dichlorobenzene	541-73-1	ug/L	3	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U		
	1,4-Dichlorobenzene	106-46-7	ug/L	3	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U		
	1,4-Dioxane	123-91-1	ug/L	NA	40	UJ	40	UJ	40	UJ	40	UJ	200	UJ	40	UJ	40	UJ	800	UJ		
	2-Butanone	78-93-3	ug/L	50	10	U	10	U	10	U	10	U	50	UJ	10	U	10	U	200	U		
	2-Hexanone	591-78-6	ug/L	50	5	U	5	U	5	U	5	U	25	UJ	5	U	5	U	100	U		
	2-Nitropropane	79-46-9	ug/L	NA	5	UJ	5	UJ	5	UJ	5	UJ	25	UJ	5	UJ	5	UJ	100	UJ		
	4-Methyl-2-pentanone	108-10-1	ug/L	NA	5	U	5	U	5	U	5	U	25	UJ	5	U	5	U	870			
	Acetone	67-64-1	ug/L	50	10	U	10	U	11		12		50	UJ	16		3.2	J	8,100			
	Acetonitrile	75-05-8	ug/L	NA	40	U	40	U	40	U	40	U	200	UJ	40	UJ	40	UJ	800	UJ		
	Benzene	71-43-2	ug/L	1	1	U	1	U	1	U	1	U	5	UJ	1	U	0.56	J	20	U		
	Bromochloromethane	74-97-5	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U		
	Bromodichloromethane	75-27-4	ug/L	50	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U		
	Bromoform	75-25-2	ug/L	50	1	U	1	U	1	UJ	1	UJ	5	UJ	1	U	1	U	20	U		
	Bromomethane	74-83-9	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U		
	Carbon disulfide	75-15-0	ug/L	60	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U		
	Carbon tetrachloride	56-23-5	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U		
	Chlorobenzene	108-90-7	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U		
	Chlorodifluoromethane	75-45-6	ug/L	5	1	UJ	1	UJ	1.7	J	0.62	J	5	UJ	1	UJ	1	UJ	20	UJ		
	Chloroethane	75-00-3	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U		
	Chloroform	67-66-3	ug/L	7	1	U	1	U	1	U	1	U	5	UJ	0.37	J	1	U	20	U		
	Chloromethane	74-87-3	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U		
	cis-1,2-Dichloroethene	156-59-2	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	1	U	420	D	20	U		
	cis-1,3-Dichloropropene	10061-01-5	ug/L	0.4	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U		
	Cyclohexane	110-82-7	ug/L	NA	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U		
	Cyclohexanone	108-94-1	ug/L	NA		R		R	10	UJ	10	UJ	50	UJ	10	UJ	10	UJ	200	UJ		
	Dibromochloromethane	124-48-1	ug/L	50	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U		
	Dichlorodifluoromethane	75-71-8	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	5.2		1	UJ	20	U		
	Diethyl ether	60-29-7	ug/L	NA	1	UJ	1	UJ	1	UJ	1	UJ	5	UJ	1	UJ	1	UJ	20	UJ		
	Ethyl acetate	141-78-6	ug/L	NA	1	UJ	1	UJ	1	UJ	1	UJ	5	UJ	1	UJ	1	UJ	20	UJ		
	Ethylbenzene	100-41-4	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U		
	Isobutanol	78-83-1	ug/L	NA	40	UJ	40	UJ	40	UJ	40	UJ	200	UJ	40	UJ	40	UJ	800	UJ		
	Isopropylbenzene	98-82-8	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U		
	m&p-Xylene	179601-23-1	ug/L	5	2	U	2	U	2	U	2	U	10	UJ	2	U	2	U	40	U		

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date Sample ID					SR-3 ⁽¹⁾		SR-4 ⁽¹⁾		SR-5				T-1 *		T-2		T-3		T-4	
					9/13/2013 15:35		9/13/2013 11:15		9/27/2013 10:20		9/27/2013 10:20		12/19/2013 14:50		9/24/2013 15:00		9/25/2013 10:50		9/25/2013 14:50	
					SR-3 (91313)		SR-4 (91313)		SR-5 (092713)		BMS-DUP- 092713		T-1(121913)-Grab		T-2 (92413)		T-3 (092513)		T-4 (092513)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Methyl acetate	79-20-9	ug/L	NA	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U
	Methyl tert-butyl ether	1634-04-4	ug/L	10	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U
	Methylcyclohexane	108-87-2	ug/L	†	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	370	
	Methylene Chloride	75-09-2	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	14	J
	Naphthalene	91-20-3	ug/L	10	1	U	1	U	1	U	1	U	5	UJ	1.5		1	U	37	
	n-Butanol	71-36-3	ug/L	50	40	UJ	40	UJ	40	UJ	40	UJ	200	UJ	40	UJ	40	UJ	800	UJ
	n-Butylbenzene	104-51-8	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U
	n-Heptane	142-82-5	ug/L	NA	20	UJ	20	UJ	20	UJ	20	UJ	100	UJ	20	UJ	20	UJ	400	UJ
	n-Hexane	110-54-3	ug/L	NA	10	UJ	10	UJ	10	UJ	10	UJ	50	UJ	10	UJ	10	UJ	200	UJ
	o-Xylene	95-47-6	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U
	p-Isopropyltoluene	99-87-6	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U
	sec-Butylbenzene	135-98-8	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U
	Styrene	100-42-5	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U
	tert-Butanol	75-65-0	ug/L	NA	20	UJ	20	UJ	20	UJ	20	UJ	100	UJ	20	UJ	18	J	400	UJ
	tert-Butylbenzene	98-06-6	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U
	Tetrachloroethene	127-18-4	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U
	Tetrahydrofuran	109-99-9	ug/L	50	5	U	5	U	5	U	5	U	25	UJ	5	U	5	U	100	U
	Toluene	108-88-3	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	21	
	trans-1,2-Dichloroethene	156-60-5	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	1	U	5.7		20	U
	trans-1,3-Dichloropropene	10061-02-6	ug/L	0.4	1	U	1	U	1	U	1	U	5	UJ	1	U	1	U	20	U
	Trichloroethene	79-01-6	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	0.51	J	37		20	U
	Trichlorofluoromethane	75-69-4	ug/L	5	1	U	1	U	1	U	1	U	5	UJ	2.1		1	U	20	U
	Vinyl chloride	75-01-4	ug/L	2	1	U	1	U	1	U	1	U	5	UJ	1	U	120	D	20	U
	Xylenes (total)	1330-20-7	ug/L	5	2	U	2	U	2	U	2	U	10	UJ	2	U	2	U	40	U
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	ug/L	5	4.8	U	5.3	U	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U
	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5	4.8	U	5.3	U	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U
	2,2'-Oxybis(1-Chloropropane)	108-60-1	ug/L	5	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U
	2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	1	4.8	U	5.3	U	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U
	2,4,5-Trichlorophenol	95-95-4	ug/L	1	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U
	2,4,6-Trichlorophenol	88-06-2	ug/L	1	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U
	2,4-Dichloropheno	120-83-2	ug/L	1	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U
	2,4-Dimethylpheno	105-67-9	ug/L	1	4.8	U	5.3	U	5	U	4.8	U	--	--	5	U	4.8	U	5.1	
	2,4-Dinitropheno	51-28-5	ug/L	1	9.6	UJ	11	UJ	9.9	UJ	9.7	UJ	--	--	9.9	U	9.7	U	9.7	U
	2,4-Dinitrotoluene	121-14-2	ug/L	5	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U
	2,6-Dinitrotoluene	606-20-2	ug/L	5	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U
	2-Chloronaphthalene	91-58-7	ug/L	10	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U
	2-Chloropheno	95-57-8	ug/L	1	4.8	U	5.3	U	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U
	2-Methylnaphthalene	91-57-6	ug/L	NA	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	2.7	J
	2-Methylpheno	95-48-7	ug/L	1	4.8	U	5.3	U	5	U	4.8	U	--	--	5	U	4.8	U	24	
	2-Nitroaniline	88-74-4	ug/L	5	9.6	UJ	11	UJ	9.9	U	9.7	U	--	--	9.9	U	9.7	U	9.7	U
	2-Nitrophenol	88-75-5	ug/L	1	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U
	3 & 4 Methylpheno	MEPH3MEPH4	ug/L	1	9.6	U	11	U	9.9	U	9.7	U	--	--	9.9	U	9.7	U	36	
	3,3'-Dichlorobenzidine	91-94-1	ug/L	5	4.8	U	5.3	U	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U
	3-Nitroaniline	99-09-2	ug/L	5	9.6	UJ	11	UJ	9.9	U	9.7	U	--	--	9.9	U	9.7	U	9.7	U
	4,6-Dinitro-2-methylpheno	534-52-1	ug/L	1	9.6	UJ	11	UJ	9.9	UJ	9.7	UJ	--	--	9.9	U	9.7	U	9.7	U
	4-Bromophenyl phenyl ethe	101-55-3	ug/L	NA	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U
	4-Chloro-3-methylpheno	59-50-7	ug/L	1	4.8	U	5.3	U	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U
	4-Chloroaniline	106-47-8	ug/L	5	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		SR-3 ⁽¹⁾		SR-4 ⁽¹⁾		SR-5		T-1 *		T-2		T-3		T-4			
					Sample Date		9/13/2013 15:35		9/13/2013 11:15		9/27/2013 10:20		9/27/2013 10:20		12/19/2013 14:50		9/24/2013 15:00		9/25/2013 10:50		9/25/2013 14:50	
					Sample ID		SR-3 (91313)		SR-4 (91313)		SR-5 (092713)		BMS-DUP- 092713		T-1(121913)-Grab		T-2 (92413)		T-3 (092513)		T-4 (092513)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
SVOCs Method SW8270C/D (Cont.)	4-Chlorophenyl phenyl ether	7005-72-3	ug/L	NA	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	4-Methylphenol	106-44-5	ug/L	1	9.6	U	11	U	9.9	U	9.7	U	--	--	9.9	U	9.7	U	36			
	4-Nitroaniline	100-01-6	ug/L	5	9.6	U	11	U	9.9	U	9.7	U	--	--	9.9	U	9.7	U	9.7	U		
	4-Nitrophenol	100-02-7	ug/L	1	9.6	U	11	U	9.9	U	9.7	U	--	--	9.9	U	9.7	U	9.7	U		
	Acenaphthene	83-32-9	ug/L	20	4.8	U	5.3	U	5	U	4.8	U	--	--	5	U	4.8	U	1.8	J		
	Acenaphthylene	208-96-8	ug/L	NA	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	Acetophenone	98-86-2	ug/L	NA	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	2.1	J		
	Aniline	62-53-3	ug/L	5	9.6	U	11	U	9.9	U	9.7	U	--	--	9.9	U	9.7	U	9.7	U		
	Anthracene	120-12-7	ug/L	50	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	Atrazine	1912-24-9	ug/L	7.5	4.8	U	5.3	U	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	Benzaldehyde	100-52-7	ug/L	NA		R		R	5	UJ	4.8	UJ	--	--	5	U	4.8	U	4.9	U		
	Benzo(a)anthracene	56-55-3	ug/L	0.002	4.8	U	5.3	U	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	Benzo(a)pyrene	50-32-8	ug/L	ND	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	Benzo(b)fluoranthene	205-99-2	ug/L	0.002	4.8	U	5.3	U	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	Benzo(g,h,i)perylene	191-24-2	ug/L	NA	4.8	U	5.3	U	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	Benzo(k)fluoranthene	207-08-9	ug/L	0.002	4.8	U	5.3	U	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	Benzyl alcoho	100-51-6	ug/L	NA	19	U	21	U	20	U	19	U	--	--	20	U	19	U	16	J		
	Bis(2-chloroethoxy)methane	111-91-1	ug/L	5	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	Bis(2-chloroethyl)ether	111-44-4	ug/L	1	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	5	5.4	J	10	J	5	UJ	4.8	UJ	--	--	5	U	4.8	U	4.9	U		
	Butyl benzyl phthalate	85-68-7	ug/L	50	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	Caprolactam	105-60-2	ug/L	NA	4.8	U	5.3	U	5	U	4.8	U	--	--	99	D	4.8	U	47	J		
	Carbazole	86-74-8	ug/L	NA	4.8	U	5.3	U	5	U	4.8	U	--	--	5	U	4.8	U	1.2	J		
	Chrysene	218-01-9	ug/L	0.002	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	Dibenz(a,h)anthracene	53-70-3	ug/L	NA	4.8	U	5.3	U	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	Dibenzofuran	132-64-9	ug/L	NA	9.6	UJ	11	UJ	9.9	U	9.7	U	--	--	9.9	U	9.7	U	9.7	U		
	Dicyclohexylamine	101-83-7	ug/L	†	450	DJ	42	J	890	DJ	580	DJ	--	--	9.9	UJ	9.7	UJ	9.7	UJ		
	Diethyl phthalate	84-66-2	ug/L	50	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	Dimethyl phthalate	131-11-3	ug/L	50	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	Di-n-butyl phthalate	84-74-2	ug/L	50	0.45	J	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	Di-n-octyl phthalate	117-84-0	ug/L	50	4.8	U	5.3	U	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	Fluoranthene	206-44-0	ug/L	50	4.8	UJ	5.3	UJ	5	UJ	4.8	UJ	--	--	5	U	4.8	U	4.9	U		
	Fluorene	86-73-7	ug/L	50	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	Hexachlorobenzene	118-74-1	ug/L	0.04	4.8	U	5.3	U	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	Hexachlorobutadiene	87-68-3	ug/L	0.5	4.8	U	5.3	U	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	Hexachlorocyclopentadiene	77-47-4	ug/L	5	4.8	U	5.3	U	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	Hexachloroethane	67-72-1	ug/L	5	4.8	U	5.3	U	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	Indeno(1,2,3-cd)pyrene	193-39-5	ug/L	0.002	4.8	U	5.3	U	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	Isophorone	78-59-1	ug/L	50	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	n,n-Dimethylaniline	121-69-7	ug/L	1	4.8	UJ	5.3	UJ	5	UJ	4.8	UJ	--	--	5	UJ	4.8	UJ	4.9	UJ		
	Naphthalene	91-20-3	ug/L	10	4.8	U	5.3	U	5	U	4.8	U	--	--	5	U	4.8	U	12			
	Nitrobenzene	98-95-3	ug/L	0.4	4.8	U	5.3	U	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	N-Nitroso-di-n-propylamine	621-64-7	ug/L	NA	4.8	U	5.3	U	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	N-Nitrosodiphenylamine	86-30-6	ug/L	50	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	Pentachloropheno	87-86-5	ug/L	1	9.6	U	11	U	9.9	U	9.7	U	--	--	9.9	U	9.7	U	9.7	U		
	Phenanthrene	85-01-8	ug/L	50	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U		
	Phenol	108-95-2	ug/L	1	4.8	U	5.3	U	5	U	4.8	U	--	--	23		4.8	U	230	D		

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date Sample ID					SR-3 ⁽¹⁾		SR-4 ⁽¹⁾		SR-5				T-1 *		T-2		T-3		T-4	
					9/13/2013 15:35		9/13/2013 11:15		9/27/2013 10:20		9/27/2013 10:20		12/19/2013 14:50		9/24/2013 15:00		9/25/2013 10:50		9/25/2013 14:50	
					SR-3 (91313)		SR-4 (91313)		SR-5 (092713)		BMS-DUP- 092713		T-1(121913)-Grab		T-2 (92413)		T-3 (092513)		T-4 (092513)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	Total Phenols	Arc-Tphen	ug/L	1	ND		ND		ND		ND				23		ND		331.1	
	Pyrene	129-00-0	ug/L	50	4.8	UJ	5.3	UJ	5	U	4.8	U	--	--	5	U	4.8	U	4.9	U
	Pyridine	110-86-1	ug/L	50	24	U	26	U	25	U	24	U	--	--	25	U	24	U	24	U
	Triethylamine	121-44-8	ug/L	NA	4.8	UJ	5.3	UJ	5	UJ	4.8	UJ	--	--	71	EJ	4.8	UJ	4.9	UJ
Alcohol Method SW8015B/D	Ethanol	64-17-5	mg/L	†	1	U	1	U	1	U	1	U	--	--	1	U	1	U	1.8	
	Ethylene glyco	107-21-1	mg/L	0.05	10	U	1.3	J	10	U	10	U	--	--	10	U	10	U	10	U
	Isopropyl alcohol	67-63-0	mg/L	NA	1	U	1	U	1	U	1	U	--	--	1	U	1	U	12	
	Methanol	67-56-1	mg/L	NA	1	U	1	U	1	U	1	U	--	--	1	U	1	UJ	1.3	J
	Propylene glycol	57-55-6	mg/L	1	10	U	10	U	10	U	10	U	--	--	10	U	10	U	10	U

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		T-5D				T-5S ⁽¹⁾		T-6		T-7 ⁽¹⁾		T-9		T-10		T-10 ⁽¹⁾	
					Sample Date		12/20/2013 11:15		12/20/2013 0:00		9/23/2013 11:15		9/25/2013 14:55		9/25/2013 11:50		10/3/2013 14:20		10/1/2013 13:55		1/16/2014 16:15	
					Sample ID		T5D (122013)		DUP1 (122013)		T-5S (092313)		T-6 (092513)		T-7 (092513)		T-9 (100313)		T-10 (10/01/13)		T-10 (01-16-14)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	ug/L	5	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/L	5	1	U	1	U	50	U	19		8		21		5	U	--	--	--	--
	1,1,2-Trichloroethane	79-00-5	ug/L	1	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	1,1-Dichloroethane	75-34-3	ug/L	5	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	1,1-Dichloroethene	75-35-4	ug/L	5	1	U	1	U	61	J	0.95	J	1	U	28		5	U	--	--	--	--
	1,2,3-Trichlorobenzene	87-61-6	ug/L	5	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	1,2,4-Trichlorobenzene	120-82-1	ug/L	5	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	1,2,4-Trimethylbenzene	95-63-6	ug/L	5	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	0.04	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	1,2-Dibromoethane	106-93-4	ug/L	0.0006	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	1,2-Dichlorobenzene	95-50-1	ug/L	3	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	1,2-Dichloroethane	107-06-2	ug/L	0.6	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	1,2-Dichloropropane	78-87-5	ug/L	1	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	1,3,5-Trimethylbenzene	108-67-8	ug/L	5	1	U	1	U	50	U	1	U	1	U	0.98	J	5	U	--	--	--	--
	1,3-Dichlorobenzene	541-73-1	ug/L	3	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	1,4-Dichlorobenzene	106-46-7	ug/L	3	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	1,4-Dioxane	123-91-1	ug/L	NA	40	UJ	40	UJ	2,000	UJ	40	UJ	40	UJ	40	UJ	40	UJ	200	UJ	--	--
	2-Butanone	78-93-3	ug/L	50	10	U	10	U	920		10	U	10	U	190	J	50	U	--	--	--	--
	2-Hexanone	591-78-6	ug/L	50	5	U	5	U	250	U	5	U	5	U	2.8	J	25	U	--	--	--	--
	2-Nitropropane	79-46-9	ug/L	NA	5	UJ	5	UJ	250	UJ	5	UJ	5	UJ	5	UJ	25	UJ	--	--	--	--
	4-Methyl-2-pentanone	108-10-1	ug/L	NA	110		110		280,000	D	29		5	U	4,600	D	25	U	--	--	--	--
	Acetone	67-64-1	ug/L	50	3.8	J	4.2	J	220,000	EJ	67		5.2	J	28,000	D	380		--	--	--	--
	Acetonitrile	75-05-8	ug/L	NA	40	U	40	U	2,000	UJ	40	UJ	40	UJ	40	UJ	200	U	--	--	--	--
	Benzene	71-43-2	ug/L	1	1	U	1	U	50	U	1	U	1	U	0.89	J	5	U	--	--	--	--
	Bromochloromethane	74-97-5	ug/L	5	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	Bromodichloromethane	75-27-4	ug/L	50	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	Bromoform	75-25-2	ug/L	50	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	Bromomethane	74-83-9	ug/L	5	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	Carbon disulfide	75-15-0	ug/L	60	1	U	1	U	50	U	8.2		1	U	1.1		5	U	--	--	--	--
	Carbon tetrachloride	56-23-5	ug/L	5	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	Chlorobenzene	108-90-7	ug/L	5	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	Chlorodifluoromethane	75-45-6	ug/L	5	1	UJ	1	UJ	50	UJ	1	UJ	1	UJ	1	UJ	5	UJ	--	--	--	--
	Chloroethane	75-00-3	ug/L	5	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	Chloroform	67-66-3	ug/L	7	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	Chloromethane	74-87-3	ug/L	5	1	U	1	U	3,000		1	U	1	U	1	U	1	U	5	U	--	--
	cis-1,2-Dichloroethene	156-59-2	ug/L	5	1	U	1	U	310		1	U	1	U	1	U	1	U	5	U	--	--
	cis-1,3-Dichloropropene	10061-01-5	ug/L	0.4	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	Cyclohexane	110-82-7	ug/L	NA	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	Cyclohexanone	108-94-1	ug/L	NA	10	UJ	10	UJ	500	UJ	10	UJ	10	UJ	10	UJ	10	UJ		R	--	--
	Dibromochloromethane	124-48-1	ug/L	50	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	Dichlorodifluoromethane	75-71-8	ug/L	5	1	UJ	1	UJ	50	U	1	UJ	1	U	1.1		5	U	--	--	--	--
	Diethyl ether	60-29-7	ug/L	NA	1	UJ	1	UJ	50	UJ	1	UJ	1	UJ	1	UJ	5	UJ	--	--	--	--
	Ethyl acetate	141-78-6	ug/L	NA	1	UJ	1	UJ	50	UJ	1	UJ	1	UJ	1	UJ	5	UJ	--	--	--	--
	Ethylbenzene	100-41-4	ug/L	5	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	Isobutanol	78-83-1	ug/L	NA	40	UJ	40	UJ	6,000	J	40	UJ	40	UJ	390	J	200	UJ	--	--	--	--
	Isopropylbenzene	98-82-8	ug/L	5	1	U	1	U	50	U	1	U	1	U	1	U	1	U	5	U	--	--
	m&p-Xylene	179601-23-1	ug/L	5	2	U	2	U	100	U	2	U	2	U	2	U	10	U	--	--	--	--

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location Sample Date Sample ID TOGS 1.1.1 Groundwater Standard/ Guidance Value	T-5D				T-5S ⁽¹⁾		T-6		T-7 ⁽¹⁾		T-9		T-10		T-10 ⁽¹⁾	
					12/20/2013 11:15		12/20/2013 0:00		9/23/2013 11:15		9/25/2013 14:55		9/25/2013 11:50		10/3/2013 14:20		10/1/2013 13:55		1/16/2014 16:15	
					T5D (122013)		DUP1 (122013)		T-5S (092313)		T-6 (092513)		T-7 (092513)		T-9 (100313)		T-10 (10/01/13)		T-10 (01-16-14)	
					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Methyl acetate	79-20-9	ug/L	NA	1	U	1	U	50	U	1	U	1	U	1	U	5	U	--	--
	Methyl tert-butyl ether	1634-04-4	ug/L	10	1	U	1	U	50	U	1	U	1	U	1	U	5	U	--	--
	Methylcyclohexane	108-87-2	ug/L	†	1	U	1	U	50	U	1	U	1	U	1	U	5	U	--	--
	Methylene Chloride	75-09-2	ug/L	5	3		3		3,400,000	D	180	D	29		1	U	2.9	J	--	--
	Naphthalene	91-20-3	ug/L	10	1	U	1	U	50	U	1	U	1	U	1	U	5	U	--	--
	n-Butanol	71-36-3	ug/L	50	40	UJ	40	UJ	45,000	J	40	UJ	40	UJ	69	J	200	UJ	--	--
	n-Butylbenzene	104-51-8	ug/L	5	1	U	1	U	50	U	1	U	1	U	1	U	5	U	--	--
	n-Heptane	142-82-5	ug/L	NA	20	UJ	20	UJ	1,000	UJ	20	UJ	20	UJ	20	UJ	100	UJ	--	--
	n-Hexane	110-54-3	ug/L	NA	10	UJ	10	UJ	500	UJ	10	UJ	10	UJ	10	UJ	50	UJ	--	--
	o-Xylene	95-47-6	ug/L	5	1	U	1	U	50	U	1	U	1	U	1	U	5	U	--	--
	p-Isopropyltoluene	99-87-6	ug/L	5	1	U	1	U	50	U	1	U	1	U	1	U	5	U	--	--
	sec-Butylbenzene	135-98-8	ug/L	5	1	U	1	U	50	U	1	U	1	U	1	U	5	U	--	--
	Styrene	100-42-5	ug/L	5	1	U	1	U	50	U	1	U	1	U	1	U	5	U	--	--
	tert-Butanol	75-65-0	ug/L	NA	20	UJ	20	UJ	1,000	UJ	20	UJ	20	UJ	120	J	220	J	--	--
	tert-Butylbenzene	98-06-6	ug/L	5	1	U	1	U	50	U	1	U	1	U	1	U	5	U	--	--
	Tetrachloroethene	127-18-4	ug/L	5	1	U	1	U	50	U	1	U	1	U	1	U	5	U	--	--
	Tetrahydrofuran	109-99-9	ug/L	50	5	U	5	U	220	J	5	U	5	U	3.5	J	7.5	J	--	--
	Toluene	108-88-3	ug/L	5	1	U	1	U	180		1	U	1	U	0.51	J	5	U	--	--
	trans-1,2-Dichloroethene	156-60-5	ug/L	5	1	U	1	U	50	U	1	U	1	U	1	U	5	U	--	--
	trans-1,3-Dichloropropene	10061-02-6	ug/L	0.4	1	U	1	U	50	U	1	U	1	U	1	U	5	U	--	--
	Trichloroethene	79-01-6	ug/L	5	1	U	1	U	50	U	1	U	1	U	1	U	5	U	--	--
	Trichlorofluoromethane	75-69-4	ug/L	5	1	U	1	U	50	U	1	U	1	U	1.2		5	U	--	--
	Vinyl chloride	75-01-4	ug/L	2	1	U	1	U	50	U	1	U	1	U	1	U	5	U	--	--
	Xylenes (total)	1330-20-7	ug/L	5	2	U	2	U	100	U	2	U	2	U	2	U	10	U	--	--
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	ug/L	5	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	2,2'-Oxybis(1-Chloropropane)	108-60-1	ug/L	5	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	1	4.9	UJ	4.8	UJ	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	2,4,5-Trichlorophenol	95-95-4	ug/L	1	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	2,4,6-Trichlorophenol	88-06-2	ug/L	1	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	2,4-Dichloropheno	120-83-2	ug/L	1	4.9	UJ	4.8	UJ	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	2,4-Dimethylpheno	105-67-9	ug/L	1	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	2,4-Dinitropheno	51-28-5	ug/L	1	9.8	UJ	9.6	UJ	900	U	12	U	9.2	U	1,000	UJ	11	U	--	--
	2,4-Dinitrotoluene	121-14-2	ug/L	5	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	2,6-Dinitrotoluene	606-20-2	ug/L	5	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	2-Chloronaphthalene	91-58-7	ug/L	10	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	2-Chloropheno	95-57-8	ug/L	1	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	2-Methylnaphthalene	91-57-6	ug/L	NA	4.9	UJ	4.8	UJ	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	2-Methylpheno	95-48-7	ug/L	1	4.9	U	4.8	U	260	J	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	2-Nitroaniline	88-74-4	ug/L	5	9.8	U	9.6	U	900	UJ	12	U	9.2	U	1,000	UJ	11	U	--	--
	2-Nitrophenol	88-75-5	ug/L	1	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	3 & 4 Methylpheno	MEPH3MEPH4	ug/L	1	9.8	U	9.6	U	270	J	12	U	9.2	U	1,000	UJ	11	U	--	--
	3,3'-Dichlorobenzidine	91-94-1	ug/L	5	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	3-Nitroaniline	99-09-2	ug/L	5	9.8	U	9.6	U	900	UJ	12	U	9.2	U	1,000	UJ	11	UJ	--	--
	4,6-Dinitro-2-methylpheno	534-52-1	ug/L	1	9.8	U	9.6	U	900	U	12	U	9.2	U	1,000	UJ	11	U	--	--
	4-Bromophenyl phenyl ethe	101-55-3	ug/L	NA	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	4-Chloro-3-methylpheno	59-50-7	ug/L	1	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	4-Chloroaniline	106-47-8	ug/L	5	4.9	U	4.8	U	450	UJ	6.2	U	4.6	U	520	UJ	5.7	UJ	--	--

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location Sample Date Sample ID TOGS 1.1.1 Groundwater Standard/ Guidance Value	T-5D				T-5S ⁽¹⁾		T-6		T-7 ⁽¹⁾		T-9		T-10		T-10 ⁽¹⁾	
					12/20/2013 11:15		12/20/2013 0:00		9/23/2013 11:15		9/25/2013 14:55		9/25/2013 11:50		10/3/2013 14:20		10/1/2013 13:55		1/16/2014 16:15	
					T5D (122013)		DUP1 (122013)		T-5S (092313)		T-6 (092513)		T-7 (092513)		T-9 (100313)		T-10 (10/01/13)		T-10 (01-16-14)	
					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	4-Chlorophenyl phenyl ether	7005-72-3	ug/L	NA	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	4-Methylphenol	106-44-5	ug/L	1	9.8	U	9.6	U	270	J	12	U	9.2	U	1,000	UJ	11	U	--	--
	4-Nitroaniline	100-01-6	ug/L	5	9.8	U	9.6	U	900	U	12	U	9.2	U	1,000	UJ	11	U	--	--
	4-Nitrophenol	100-02-7	ug/L	1	9.8	U	9.6	U	900	U	12	U	9.2	U	1,000	UJ	11	U	--	--
	Acenaphthene	83-32-9	ug/L	20	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Acenaphthylene	208-96-8	ug/L	NA	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Acetophenone	98-86-2	ug/L	NA	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Aniline	62-53-3	ug/L	5	9.8	U	9.6	U	900	U	12	U	9.2	U	1,000	UJ	11	U	--	--
	Anthracene	120-12-7	ug/L	50	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Atrazine	1912-24-9	ug/L	7.5	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Benzaldehyde	100-52-7	ug/L	NA	4.9	UJ	4.8	UJ	450	U	6.2	U	4.6	U	520	UJ	5.7	UJ	--	--
	Benzo(a)anthracene	56-55-3	ug/L	0.002	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Benzo(a)pyrene	50-32-8	ug/L	ND	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Benzo(b)fluoranthene	205-99-2	ug/L	0.002	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Benzo(g,h,i)perylene	191-24-2	ug/L	NA	4.9	UJ	4.8	UJ	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Benzo(k)fluoranthene	207-08-9	ug/L	0.002	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Benzyl alcohol	100-51-6	ug/L	NA	20	U	19	U	1,800	U	7.1	J	18	U	2,100	UJ	23	U	--	--
	Bis(2-chloroethoxy)methane	111-91-1	ug/L	5	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Bis(2-chloroethyl)ether	111-44-4	ug/L	1	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	5	5.3	J	5.2	J	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Butyl benzyl phthalate	85-68-7	ug/L	50	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Caprolactam	105-60-2	ug/L	NA	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Carbazole	86-74-8	ug/L	NA	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Chrysene	218-01-9	ug/L	0.002	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Dibenz(a,h)anthracene	53-70-3	ug/L	NA	4.9	UJ	4.8	UJ	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Dibenzofuran	132-64-9	ug/L	NA	9.8	U	9.6	U	900	U	12	U	9.2	U	1,000	UJ	11	U	--	--
	Dicyclohexylamine	101-83-7	ug/L	†	9.8	UJ	9.6	UJ	900	UJ	3,300	DJ	9.2	UJ	1,000	UJ	11	UJ	--	--
	Diethyl phthalate	84-66-2	ug/L	50	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Dimethyl phthalate	131-11-3	ug/L	50	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Di-n-butyl phthalate	84-74-2	ug/L	50	4.9	UB	4.8	UB	450	U	6.2	U	4.6	U	520	UJ	0.36	J	--	--
	Di-n-octyl phthalate	117-84-0	ug/L	50	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Fluoranthene	206-44-0	ug/L	50	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Fluorene	86-73-7	ug/L	50	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Hexachlorobenzene	118-74-1	ug/L	0.04	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Hexachlorobutadiene	87-68-3	ug/L	0.5	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Hexachlorocyclopentadiene	77-47-4	ug/L	5	4.9	UJ	4.8	UJ	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Hexachloroethane	67-72-1	ug/L	5	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Indeno(1,2,3-cd)pyrene	193-39-5	ug/L	0.002	4.9	UJ	4.8	UJ	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Isophorone	78-59-1	ug/L	50	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	n,n-Dimethylaniline	121-69-7	ug/L	1	4.9	UJ	4.8	UJ	450	UJ	6.2	UJ	4.6	UJ	520	UJ	5.7	UJ	--	--
	Naphthalene	91-20-3	ug/L	10	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Nitrobenzene	98-95-3	ug/L	0.4	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	N-Nitroso-di-n-propylamine	621-64-7	ug/L	NA	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	N-Nitrosodiphenylamine	86-30-6	ug/L	50	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Pentachloropheno	87-86-5	ug/L	1	9.8	UJ	9.6	UJ	900	U	12	U	9.2	U	1,000	UJ	11	U	--	--
	Phenanthrene	85-01-8	ug/L	50	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Phenol	108-95-2	ug/L	1	4.9	U	4.8	U	1,700		2.6	J	4.6	U	91	J	3.6	J	--	--

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date Sample ID					T-5D				T-5S ⁽¹⁾		T-6		T-7 ⁽¹⁾		T-9		T-10		T-10 ⁽¹⁾	
					12/20/2013 11:15		12/20/2013 0:00		9/23/2013 11:15		9/25/2013 14:55		9/25/2013 11:50		10/3/2013 14:20		10/1/2013 13:55		1/16/2014 16:15	
					T5D (122013)		DUP1 (122013)		T-5S (092313)		T-6 (092513)		T-7 (092513)		T-9 (100313)		T-10 (10/01/13)		T-10 (01-16-14)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	Total Phenols	Arc-Tphen	ug/L	1	ND		ND		2,500	J	2.6	J	ND		91	J	3.6	J	--	--
	Pyrene	129-00-0	ug/L	50	4.9	U	4.8	U	450	U	6.2	U	4.6	U	520	UJ	5.7	U	--	--
	Pyridine	110-86-1	ug/L	50	25	U	24	U	2,300	U	31	U	23	U	2,600	UJ	29	U	--	--
	Triethylamine	121-44-8	ug/L	NA	4.9	UJ	4.8	UJ	3,200	J	6.2	UJ	4.6	UJ	26,000	DJ	5.7	UJ	--	--
Alcohol Method SW8015B/D	Ethanol	64-17-5	mg/L	†	1	U	1	U	1.7	J	1	U	1	U	1	U	1	U	--	--
	Ethylene glyco	107-21-1	mg/L	0.05	0.84	J	0.76	J	100	U	100	U	100	U	100	U	0.83	J	--	--
	Isopropyl alcohol	67-63-0	mg/L	NA	1	U	0.16	J	290	J	1	U	1	U	28		1	U	--	--
	Methanol	67-56-1	mg/L	NA	1	U	1	U	49	J	1	UJ	1	UJ	1	U	1	U	--	--
	Propylene glycol	57-55-6	mg/L	1	10	U	10	U	100	U	100	U	100	U	100	U	10	U	--	--

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		T-11		T-12		T-13		T-15		T-16 ⁽¹⁾		T-17 ⁽¹⁾		T-18 ⁽¹⁾		T-20D	
					Sample Date		9/19/2013 14:10		9/26/2013 14:15		9/26/2013 11:40		10/17/2013 14:45		10/2/2013 16:15		9/30/2013 15:15		9/30/2013 11:40		9/27/2013 12:25	
					Sample ID		T-11 (091913)		T-12 (092613)		T-13 (092613)		T-15 (101713)		T-16 (100213)		T-17 (093013)		T-18 (093013)		T-20D (092713)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	ug/L	5	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/L	5	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	1,1,2-Trichloroethane	79-00-5	ug/L	1	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	1,1-Dichloroethane	75-34-3	ug/L	5	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	1,1-Dichloroethene	75-35-4	ug/L	5	4	U	15		4	U	1	U	1	U	1	U	5	U	1	U		
	1,2,3-Trichlorobenzene	87-61-6	ug/L	5	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	1,2,4-Trichlorobenzene	120-82-1	ug/L	5	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	1,2,4-Trimethylbenzene	95-63-6	ug/L	5	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	0.04	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	1,2-Dibromoethane	106-93-4	ug/L	0.0006	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	1,2-Dichlorobenzene	95-50-1	ug/L	3	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	1,2-Dichloroethane	107-06-2	ug/L	0.6	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	1,2-Dichloropropane	78-87-5	ug/L	1	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	1,3,5-Trimethylbenzene	108-67-8	ug/L	5	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	1,3-Dichlorobenzene	541-73-1	ug/L	3	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	1,4-Dichlorobenzene	106-46-7	ug/L	3	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	1,4-Dioxane	123-91-1	ug/L	NA	160	UJ	200	UJ	160	UJ	40	UJ	40	UJ	40	UJ	200	UJ	40	UJ		
	2-Butanone	78-93-3	ug/L	50	40	U	50	U	40	U	10	U	10	U	10	U	50	U	10	U		
	2-Hexanone	591-78-6	ug/L	50	20	U	25	U	20	U	5	U	5	U	5	U	25	U	5	U		
	2-Nitropropane	79-46-9	ug/L	NA	20	UJ	25	UJ	20	UJ	5	UJ	5	UJ	5	UJ	25	UJ	5	UJ		
	4-Methyl-2-pentanone	108-10-1	ug/L	NA	20	U	14	J	20	U	5	U	70		5	U	25	U	5	U		
	Acetone	67-64-1	ug/L	50	26	J	65		14	J	10	U	25		5.1	J	50	U	10	U		
	Acetonitrile	75-05-8	ug/L	NA	160	U	200	U	160	U	40	U	40	U	40	U	200	U	40	U		
	Benzene	71-43-2	ug/L	1	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	Bromochloromethane	74-97-5	ug/L	5	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	Bromodichloromethane	75-27-4	ug/L	50	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	Bromoform	75-25-2	ug/L	50	4	UJ	5	U	4	U	1	UJ	1	UJ	1	U	5	U	1	UJ		
	Bromomethane	74-83-9	ug/L	5	4	UJ	5	UJ	4	UJ	1	UJ	1	UJ	1	U	5	U	1	U		
	Carbon disulfide	75-15-0	ug/L	60	4	U	5	U	4	U	1	U	0.6	J	1	U	5	U	1.4			
	Carbon tetrachloride	56-23-5	ug/L	5	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	Chlorobenzene	108-90-7	ug/L	5	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	Chlorodifluoromethane	75-45-6	ug/L	5	4	UJ	5	UJ	4	UJ	1	UJ	1	UJ	1	UJ	5	UJ	1	UJ		
	Chloroethane	75-00-3	ug/L	5	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	Chloroform	67-66-3	ug/L	7	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	Chloromethane	74-87-3	ug/L	5	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	cis-1,2-Dichloroethene	156-59-2	ug/L	5	4	U	5	U	4	U	1	U	1	U	2.3		5	U	1	U		
	cis-1,3-Dichloropropene	10061-01-5	ug/L	0.4	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	Cyclohexane	110-82-7	ug/L	NA	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	Cyclohexanone	108-94-1	ug/L	NA		R		R		R	10	UJ			R	10	UJ	50	UJ	10	UJ	
	Dibromochloromethane	124-48-1	ug/L	50	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	Dichlorodifluoromethane	75-71-8	ug/L	5	4	U	5	UJ	4	UJ	1	U	1	U	1	UJ	5	UJ	1	U		
	Diethyl ether	60-29-7	ug/L	NA	4	UJ	5	UJ	4	UJ	1	UJ	1	UJ	1	UJ	5	UJ	1	UJ		
	Ethyl acetate	141-78-6	ug/L	NA	4	UJ	5	UJ	4	UJ	1	UJ	1	UJ	1	UJ	5	UJ	1	UJ		
	Ethylbenzene	100-41-4	ug/L	5	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	Isobutanol	78-83-1	ug/L	NA	160	UJ	200	UJ	160	UJ	40	UJ	40	UJ	40	UJ	200	UJ	40	UJ		
	Isopropylbenzene	98-82-8	ug/L	5	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U		
	m&p-Xylene	179601-23-1	ug/L	5	8	U	10	U	8	U	2	U	2	U	2	U	10	U	2	U		

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location Sample Date Sample ID TOGS 1.1.1 Groundwater Standard/ Guidance Value	T-11		T-12		T-13		T-15		T-16 ⁽¹⁾		T-17 ⁽¹⁾		T-18 ⁽¹⁾		T-20D	
					9/19/2013 14:10		9/26/2013 14:15		9/26/2013 11:40		10/17/2013 14:45		10/2/2013 16:15		9/30/2013 15:15		9/30/2013 11:40		9/27/2013 12:25	
					T-11 (091913)		T-12 (092613)		T-13 (092613)		T-15 (101713)		T-16 (100213)		T-17 (093013)		T-18 (093013)		T-20D (092713)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Methyl acetate	79-20-9	ug/L	NA	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U
	Methyl tert-butyl ether	1634-04-4	ug/L	10	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U
	Methylcyclohexane	108-87-2	ug/L	†	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U
	Methylene Chloride	75-09-2	ug/L	5	2.6	J	3.2	J	1.9	J	1	U	0.55	J	1	U	5	U	0.89	J
	Naphthalene	91-20-3	ug/L	10	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U
	n-Butanol	71-36-3	ug/L	50	160	UJ	200	UJ	160	UJ	40	UJ	40	UJ	40	UJ	200	UJ	40	UJ
	n-Butylbenzene	104-51-8	ug/L	5	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U
	n-Heptane	142-82-5	ug/L	NA	80	UJ	100	UJ	80	UJ	20	UJ	20	UJ	20	UJ	100	UJ	20	UJ
	n-Hexane	110-54-3	ug/L	NA	40	UJ	50	UJ	40	UJ	10	UJ	10	UJ	10	UJ	50	UJ	10	UJ
	o-Xylene	95-47-6	ug/L	5	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U
	p-Isopropyltoluene	99-87-6	ug/L	5	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U
	sec-Butylbenzene	135-98-8	ug/L	5	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U
	Styrene	100-42-5	ug/L	5	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U
	tert-Butanol	75-65-0	ug/L	NA	80	UJ	76	J	80	UJ	20	UJ	20	UJ	20	UJ	100	UJ	20	UJ
	tert-Butylbenzene	98-06-6	ug/L	5	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U
	Tetrachloroethene	127-18-4	ug/L	5	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U
	Tetrahydrofuran	109-99-9	ug/L	50	20	U	25	U	20	U	5	U	5	U	5	U	25	U	5	U
	Toluene	108-88-3	ug/L	5	4	U	5	U	4	U	1	U	1.9	U	1	U	5	U	1	U
	trans-1,2-Dichloroethene	156-60-5	ug/L	5	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U
	trans-1,3-Dichloropropene	10061-02-6	ug/L	0.4	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U
	Trichloroethene	79-01-6	ug/L	5	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U
	Trichlorofluoromethane	75-69-4	ug/L	5	4	U	5	U	4	U	1	U	1	U	1	U	5	U	1	U
	Vinyl chloride	75-01-4	ug/L	2	4	U	19	U	4	U	1	U	1	U	1	U	5	U	1	U
	Xylenes (total)	1330-20-7	ug/L	5	8	U	10	U	8	U	2	U	2	U	2	U	10	U	2	U
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	ug/L	5	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	2,2'-Oxybis(1-Chloropropane)	108-60-1	ug/L	5	5.4	U	4.9	U	4.8	UJ	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	1	5.4	U	4.9	U	4.8	UJ	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	2,4,5-Trichlorophenol	95-95-4	ug/L	1	5.4	U	4.9	U	4.8	UJ	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	2,4,6-Trichlorophenol	88-06-2	ug/L	1	5.4	U	4.9	U	4.8	UJ	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	2,4-Dichloropheno	120-83-2	ug/L	1	5.4	U	4.9	U	4.8	UJ	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	2,4-Dimethylpheno	105-67-9	ug/L	1	5.4	U	10	U	4.8	UJ	5.2	UJ	5.3	U	4.6	U	5	U	5.8	U
	2,4-Dinitropheno	51-28-5	ug/L	1	11	U	9.8	UJ	9.6	UJ	10	U	11	U	9.2	U	10	U	12	UJ
	2,4-Dinitrotoluene	121-14-2	ug/L	5	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	2,6-Dinitrotoluene	606-20-2	ug/L	5	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	2-Chloronaphthalene	91-58-7	ug/L	10	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	2-Chloropheno	95-57-8	ug/L	1	5.4	U	4.9	U	4.8	UJ	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	2-Methylnaphthalene	91-57-6	ug/L	NA	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	2-Methylpheno	95-48-7	ug/L	1	5.4	U	8.5	U	4.8	UJ	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	2-Nitroaniline	88-74-4	ug/L	5	11	U	9.8	U	9.6	U	10	U	11	U	9.2	U	10	U	12	U
	2-Nitrophenol	88-75-5	ug/L	1	5.4	U	4.9	U	4.8	UJ	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	3 & 4 Methylpheno	MEPH3MEPH4	ug/L	1	11	U	9.8	U	9.6	UJ	10	U	11	U	9.2	U	10	U	12	U
	3,3'-Dichlorobenzidine	91-94-1	ug/L	5	5.4	UJ	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	3-Nitroaniline	99-09-2	ug/L	5	11	UJ	9.8	U	9.6	U	10	UJ	11	UJ	9.2	U	10	U	12	U
	4,6-Dinitro-2-methylpheno	534-52-1	ug/L	1	11	U	9.8	UJ	9.6	UJ	10	U	11	U	9.2	U	10	U	12	UJ
	4-Bromophenyl phenyl ethe	101-55-3	ug/L	NA	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	4-Chloro-3-methylpheno	59-50-7	ug/L	1	5.4	U	4.9	U	4.8	UJ	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	4-Chloroaniline	106-47-8	ug/L	5	5.4	UJ	4.9	U	4.8	U	5.2	UJ	5.3	UJ	4.6	UJ	5	UJ	5.8	U

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location Sample Date Sample ID TOGS 1.1.1 Groundwater Standard/ Guidance Value	T-11		T-12		T-13		T-15		T-16 ⁽¹⁾		T-17 ⁽¹⁾		T-18 ⁽¹⁾		T-20D	
					9/19/2013 14:10		9/26/2013 14:15		9/26/2013 11:40		10/17/2013 14:45		10/2/2013 16:15		9/30/2013 15:15		9/30/2013 11:40		9/27/2013 12:25	
					T-11 (091913)		T-12 (092613)		T-13 (092613)		T-15 (101713)		T-16 (100213)		T-17 (093013)		T-18 (093013)		T-20D (092713)	
					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	4-Chlorophenyl phenyl ether	7005-72-3	ug/L	NA	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	4-Methylphenol	106-44-5	ug/L	1	11	U	9.8	U	9.6	UJ	10	U	11	U	9.2	U	10	U	12	U
	4-Nitroaniline	100-01-6	ug/L	5	11	U	9.8	U	9.6	U	10	U	11	U	9.2	U	10	U	12	U
	4-Nitrophenol	100-02-7	ug/L	1	11	U	9.8	U	9.6	UJ	10	U	11	U	9.2	U	10	U	12	U
	Acenaphthene	83-32-9	ug/L	20	5.4	U	3.6	J	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	Acenaphthylene	208-96-8	ug/L	NA	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	Acetophenone	98-86-2	ug/L	NA	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	Aniline	62-53-3	ug/L	5	11	U	9.8	U	9.6	U	10	UJ	11	U	9.2	U	10	U	12	U
	Anthracene	120-12-7	ug/L	50	5.4	U	1.7	J	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	Atrazine	1912-24-9	ug/L	7.5	5.4	UJ	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	Benzaldehyde	100-52-7	ug/L	NA	5.4	UJ	4.9	UJ	4.8	UJ	5.2	UJ	5.3	UJ	0.28	J	5	U	5.8	UJ
	Benzo(a)anthracene	56-55-3	ug/L	0.002	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	Benzo(a)pyrene	50-32-8	ug/L	ND	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	Benzo(b)fluoranthene	205-99-2	ug/L	0.002	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	Benzo(g,h,i)perylene	191-24-2	ug/L	NA	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	Benzo(k)fluoranthene	207-08-9	ug/L	0.002	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	Benzyl alcoho	100-51-6	ug/L	NA	21	U	20	U	19	U	21	U	21	U	18	U	20	U	23	U
	Bis(2-chloroethoxy)methane	111-91-1	ug/L	5	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	Bis(2-chloroethyl)ether	111-44-4	ug/L	1	5.4	U	4.9	U	4.8	U	5.2	UJ	5.3	U	4.6	U	5	U	5.8	U
	Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	5	5.4	U	4.9	UJ	4.8	UJ	1.9	J	5.3	U	4.6	U	5	U	5.8	UJ
	Butyl benzyl phthalate	85-68-7	ug/L	50	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	Caprolactam	105-60-2	ug/L	NA	3.5	J	14	J	37	J	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	Carbazole	86-74-8	ug/L	NA	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	Chrysene	218-01-9	ug/L	0.002	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	Dibenz(a,h)anthracene	53-70-3	ug/L	NA	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	Dibenzofuran	132-64-9	ug/L	NA	11	U	5.2	J	9.6	U	10	U	11	U	9.2	U	10	U	12	U
	Dicyclohexylamine	101-83-7	ug/L	†	11	UJ	1,400	DJ	40,000	DJ	10	UJ	85	DJ	9.2	UJ	1.9	J	12	UJ
	Diethyl phthalate	84-66-2	ug/L	50	5.4	U	4.9	U	4.8	U	0.39	J	5.3	U	4.6	U	5	U	5.8	U
	Dimethyl phthalate	131-11-3	ug/L	50	5.4	U	4.9	U	4.8	U	5.2	U	5.8	U	4.6	U	5	U	5.8	U
	Di-n-butyl phthalate	84-74-2	ug/L	50	0.55	J	4.9	U	4.8	U	5.2	UB	0.41	J	4.6	U	5	U	5.8	U
	Di-n-octyl phthalate	117-84-0	ug/L	50	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	Fluoranthene	206-44-0	ug/L	50	5.4	U	1.6	J	4.8	UJ	5.2	U	5.3	U	4.6	U	5	U	5.8	UJ
	Fluorene	86-73-7	ug/L	50	5.4	U	2.9	J	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	Hexachlorobenzene	118-74-1	ug/L	0.04	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	Hexachlorobutadiene	87-68-3	ug/L	0.5	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	Hexachlorocyclopentadiene	77-47-4	ug/L	5	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	Hexachloroethane	67-72-1	ug/L	5	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	Indeno(1,2,3-cd)pyrene	193-39-5	ug/L	0.002	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	Isophorone	78-59-1	ug/L	50	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	n,n-Dimethylaniline	121-69-7	ug/L	1	5.4	UJ	4.9	UJ	4.8	UJ	5.2	UJ	5.3	UJ	4.6	UJ	5	UJ	5.8	UJ
	Naphthalene	91-20-3	ug/L	10	5.4	U	3.3	J	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	Nitrobenzene	98-95-3	ug/L	0.4	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	N-Nitroso-di-n-propylamine	621-64-7	ug/L	NA	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	N-Nitrosodiphenylamine	86-30-6	ug/L	50	5.4	UJ	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	Pentachloropheno	87-86-5	ug/L	1	11	U	9.8	U	9.6	U	10	U	11	U	9.2	U	10	U	12	U
	Phenanthrene	85-01-8	ug/L	50	5.4	U	3.1	J	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U
	Phenol	108-95-2	ug/L	1	5.4	U	4.9	U	4.8	U	5.2	U	0.95	J	4.6	U	5	U	5.8	U

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		T-11		T-12		T-13		T-15		T-16 ⁽¹⁾		T-17 ⁽¹⁾		T-18 ⁽¹⁾		T-20D	
					Sample Date		9/19/2013 14:10		9/26/2013 14:15		9/26/2013 11:40		10/17/2013 14:45		10/2/2013 16:15		9/30/2013 15:15		9/30/2013 11:40		9/27/2013 12:25	
					Sample ID		T-11 (091913)		T-12 (092613)		T-13 (092613)		T-15 (101713)		T-16 (100213)		T-17 (093013)		T-18 (093013)		T-20D (092713)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs	Total Phenols	Arc-Tphen	ug/L	1	ND		18.5		ND		ND		0.95	J	ND		ND		ND		ND	
Method	Pyrene	129-00-0	ug/L	50	5.4	U	4.9	U	4.8	U	5.2	U	5.3	U	4.6	U	5	U	5.8	U		
SW8270C/D	Pyridine	110-86-1	ug/L	50	0.47	J	24	U	24	U	26	U	27	U	23	U	25	U	29	U		
(Cont.)	Triethylamine	121-44-8	ug/L	NA	7.7	J	1,600	DJ	4,600	DJ	5.2	UJ	5.3	UJ	4.6	UJ	14	J	5.8	UJ		
Alcohol	Ethanol	64-17-5	mg/L	†	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U		
Method	Ethylene glyco	107-21-1	mg/L	0.05	10	U	10	U	10	U	10	U	100	U	10	U	100	U	10	U		
SW8015B/D	Isopropyl alcohol	67-63-0	mg/L	NA	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U		
	Methanol	67-56-1	mg/L	NA	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U		
	Propylene glycol	57-55-6	mg/L	1	10	U	10	U	10	U	10	U	100	U	10	U	100	U	10	U		

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		T-20S		T-22D		T-22S		T-23D		T-23S ⁽¹⁾		T-23S ⁽¹⁾		T-24		T-24 ⁽¹⁾	
					Sample Date		9/27/2013 14:15		10/23/2013 12:25		10/1/2013 15:50		10/2/2013 14:40		10/3/2013 16:40		10/4/2013 9:40		9/18/2013 12:15		1/17/2014 13:15	
					Sample ID		T-20S (092713)		T-22D (102313)		T-22S (10/01/13)		T-23D (100213)		T-23S (100313)		T-23S (100413)		T-24 (091813)		T-24 (1/17/14)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	1,1,2-Trichloroethane	79-00-5	ug/L	1	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	1,1-Dichloroethane	75-34-3	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	1,1-Dichloroethene	75-35-4	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	1,2,3-Trichlorobenzene	87-61-6	ug/L	5	1	U	1	UJ	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	1,2,4-Trichlorobenzene	120-82-1	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	1,2,4-Trimethylbenzene	95-63-6	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	0.04	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	1,2-Dibromoethane	106-93-4	ug/L	0.0006	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	1,2-Dichlorobenzene	95-50-1	ug/L	3	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	1,2-Dichloroethane	107-06-2	ug/L	0.6	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	1,2-Dichloropropane	78-87-5	ug/L	1	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	1,3,5-Trimethylbenzene	108-67-8	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	1,3-Dichlorobenzene	541-73-1	ug/L	3	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	1,4-Dichlorobenzene	106-46-7	ug/L	3	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	1,4-Dioxane	123-91-1	ug/L	NA	40	UJ	40	UJ	40	UJ	40	UJ	40	UJ	40	UJ	--	--	40	UJ	--	--
	2-Butanone	78-93-3	ug/L	50	10	U	10	U	10	U	10	U	10	U	10	U	--	--	10	U	--	--
	2-Hexanone	591-78-6	ug/L	50	5	U	5	U	5	U	5	U	5	U	5	U	--	--	5	U	--	--
	2-Nitropropane	79-46-9	ug/L	NA	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	--	--	5	UJ	--	--
	4-Methyl-2-pentanone	108-10-1	ug/L	NA	5	U	5	U	5	U	5	U	5	U	5	U	--	--	5	U	--	--
	Acetone	67-64-1	ug/L	50	10	U	10	U	10	U	7.7	J	13				--	--	3.1	J	--	--
	Acetonitrile	75-05-8	ug/L	NA	40	U	40	U	40	U	40	U	40	U	40	U	--	--	40	U	--	--
	Benzene	71-43-2	ug/L	1	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	Bromochloromethane	74-97-5	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	Bromodichloromethane	75-27-4	ug/L	50	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	Bromoform	75-25-2	ug/L	50	1	UJ	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	Bromomethane	74-83-9	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	Carbon disulfide	75-15-0	ug/L	60	1	U	1	U	1	U	1	U	1	U	1	U	--	--	0.38	J	--	--
	Carbon tetrachloride	56-23-5	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	Chlorobenzene	108-90-7	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	Chlorodifluoromethane	75-45-6	ug/L	5	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	--	--	1	UJ	--	--
	Chloroethane	75-00-3	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	Chloroform	67-66-3	ug/L	7	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	Chloromethane	74-87-3	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	cis-1,2-Dichloroethene	156-59-2	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	cis-1,3-Dichloropropene	10061-01-5	ug/L	0.4	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	Cyclohexane	110-82-7	ug/L	NA	1	U	1	UJ	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	Cyclohexanone	108-94-1	ug/L	NA	10	UJ	10	UJ			R		R		10	UJ	--	--		R	--	--
	Dibromochloromethane	124-48-1	ug/L	50	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	Dichlorodifluoromethane	75-71-8	ug/L	5	1	U	1	UJ	1	UJ	1	U	1	U	1	U	--	--	1	U	--	--
	Diethyl ether	60-29-7	ug/L	NA	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	--	--	1	UJ	--	--
	Ethyl acetate	141-78-6	ug/L	NA	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	--	--	1	UJ	--	--
	Ethylbenzene	100-41-4	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	Isobutanol	78-83-1	ug/L	NA	40	UJ	40	UJ	40	UJ	40	UJ	40	UJ	40	UJ	--	--	40	UJ	--	--
	Isopropylbenzene	98-82-8	ug/L	5	1	U	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	m&p-Xylene	179601-23-1	ug/L	5	2	U	2	U	2	U	2	U	2	U	2	U	--	--	2	U	--	--

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Location		T-20S		T-22D		T-22S		T-23D		T-23S ⁽¹⁾		T-23S ⁽¹⁾		T-24		T-24 ⁽¹⁾	
					Sample Date		9/27/2013 14:15		10/23/2013 12:25		10/1/2013 15:50		10/2/2013 14:40		10/3/2013 16:40		10/4/2013 9:40		9/18/2013 12:15		1/17/2014 13:15	
					Sample ID		T-20S (092713)		T-22D (102313)		T-22S (10/01/13)		T-23D (100213)		T-23S (100313)		T-23S (100413)		T-24 (091813)		T-24 (1/17/14)	
							Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Methyl acetate	79-20-9	ug/L	NA			1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	Methyl tert-butyl ether	1634-04-4	ug/L	10			1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	Methylcyclohexane	108-87-2	ug/L	†			1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	Methylene Chloride	75-09-2	ug/L	5			1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	Naphthalene	91-20-3	ug/L	10			1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	n-Butanol	71-36-3	ug/L	50			40	UJ	40	UJ	40	UJ	40	UJ	40	UJ	--	--	40	UJ	--	--
	n-Butylbenzene	104-51-8	ug/L	5			1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	n-Heptane	142-82-5	ug/L	NA			20	UJ	20	UJ	20	UJ	20	UJ	20	UJ	--	--	20	UJ	--	--
	n-Hexane	110-54-3	ug/L	NA			10	UJ	10	UJ	10	UJ	10	UJ	10	UJ	--	--	10	UJ	--	--
	o-Xylene	95-47-6	ug/L	5			1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	p-Isopropyltoluene	99-87-6	ug/L	5			1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	sec-Butylbenzene	135-98-8	ug/L	5			1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	Styrene	100-42-5	ug/L	5			1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	tert-Butanol	75-65-0	ug/L	NA			20	UJ	22	J	20	UJ	38	J	14	J	--	--	20	UJ	--	--
	tert-Butylbenzene	98-06-6	ug/L	5			1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	Tetrachloroethene	127-18-4	ug/L	5			1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	Tetrahydrofuran	109-99-9	ug/L	50			5	U	5	U	5	U	5	U	5	U	--	--	5	U	--	--
	Toluene	108-88-3	ug/L	5			1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	trans-1,2-Dichloroethene	156-60-5	ug/L	5			1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	trans-1,3-Dichloropropene	10061-02-6	ug/L	0.4			1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	Trichloroethene	79-01-6	ug/L	5			1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	Trichlorofluoromethane	75-69-4	ug/L	5			1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	Vinyl chloride	75-01-4	ug/L	2			1	U	1	U	1	U	1	U	1	U	--	--	1	U	--	--
	Xylenes (total)	1330-20-7	ug/L	5			2	U	2	U	2	U	2	U	2	U	--	--	2	U	--	--
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	ug/L	5			5.3	U	5.5	U	5	U	5.7	U	5.8	UJ	--	--	4.9	U	--	--
	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	2,2'-Oxybis(1-Chloropropane)	108-60-1	ug/L	5			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	1			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	2,4,5-Trichlorophenol	95-95-4	ug/L	1			5.3	U	5.5	U	5	U	5.7	U	5.8	UJ	--	--	4.9	U	--	--
	2,4,6-Trichlorophenol	88-06-2	ug/L	1			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	2,4-Dichloropheno	120-83-2	ug/L	1			5.3	U	5.5	U	5	U	5.7	U	5.8	UJ	--	--	4.9	U	--	--
	2,4-Dimethylpheno	105-67-9	ug/L	1			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	2,4-Dinitropheno	51-28-5	ug/L	1			11	UJ	11	U	10	U	11	U	12	U	--	--	9.8	U	--	--
	2,4-Dinitrotoluene	121-14-2	ug/L	5			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	2,6-Dinitrotoluene	606-20-2	ug/L	5			5.3	U	5.5	U	5	U	5.7	U	5.8	UJ	--	--	4.9	U	--	--
	2-Chloronaphthalene	91-58-7	ug/L	10			5.3	U	5.5	U	5	U	5.7	U	5.8	UJ	--	--	4.9	U	--	--
	2-Chloropheno	95-57-8	ug/L	1			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	2-Methylnaphthalene	91-57-6	ug/L	NA			5.3	U	5.5	U	5	U	5.7	U	5.8	UJ	--	--	4.9	U	--	--
	2-Methylpheno	95-48-7	ug/L	1			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	2-Nitroaniline	88-74-4	ug/L	5			11	U	11	U	4.6	J	11	U	12	UJ	--	--	9.8	U	--	--
	2-Nitrophenol	88-75-5	ug/L	1			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	3 & 4 Methylpheno	MEPH3MEPH4	ug/L	1			11	U	11	U	10	U	11	U	12	U	--	--	9.8	U	--	--
	3,3'-Dichlorobenzidine	91-94-1	ug/L	5			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	3-Nitroaniline	99-09-2	ug/L	5			11	U	11	UJ	10	UJ	11	UJ	12	UJ	--	--	9.8	U	--	--
	4,6-Dinitro-2-methylpheno	534-52-1	ug/L	1			11	UJ	11	U	10	U	11	U	12	UJ	--	--	9.8	U	--	--
	4-Bromophenyl phenyl ethe	101-55-3	ug/L	NA			5.3	U	5.5	U	5	U	5.7	U	5.8	UJ	--	--	4.9	U	--	--
	4-Chloro-3-methylpheno	59-50-7	ug/L	1			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	4-Chloroaniline	106-47-8	ug/L	5			5.3	U	5.5	U	5	UJ	5.7	UJ	5.8	UJ	--	--	4.9	UJ	--	--

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Location		T-20S		T-22D		T-22S		T-23D		T-23S ⁽¹⁾		T-23S ⁽¹⁾		T-24		T-24 ⁽¹⁾	
					Sample ID	Sample Date	9/27/2013 14:15		10/23/2013 12:25		10/1/2013 15:50		10/2/2013 14:40		10/3/2013 16:40		10/4/2013 9:40		9/18/2013 12:15		1/17/2014 13:15	
							T-20S (092713)		T-22D (102313)		T-22S (10/01/13)		T-23D (100213)		T-23S (100313)		T-23S (100413)		T-24 (091813)		T-24 (1/17/14)	
							Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	4-Chlorophenyl phenyl ether	7005-72-3	ug/L	NA			5.3	U	5.5	U	5	U	5.7	U	5.8	UJ	--	--	4.9	U	--	--
	4-Methylphenol	106-44-5	ug/L	1			11	U	11	U	10	U	11	U	12	U	--	--	9.8	U	--	--
	4-Nitroaniline	100-01-6	ug/L	5			11	U	11	U	10	U	11	U	12	U	--	--	9.8	U	--	--
	4-Nitrophenol	100-02-7	ug/L	1			11	U	11	U	10	U	11	U	12	U	--	--	9.8	U	--	--
	Acenaphthene	83-32-9	ug/L	20			5.3	U	5.5	U	5	U	5.7	U	5.8	UJ	--	--	4.9	U	--	--
	Acenaphthylene	208-96-8	ug/L	NA			5.3	U	5.5	U	5	U	5.7	U	5.8	UJ	--	--	4.9	U	--	--
	Acetophenone	98-86-2	ug/L	NA			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	Aniline	62-53-3	ug/L	5			11	U	11	U	10	U	11	U	12	UJ	--	--	9.8	U	--	--
	Anthracene	120-12-7	ug/L	50			5.3	U	5.5	U	5	U	5.7	U	5.8	UJ	--	--	4.9	U	--	--
	Atrazine	1912-24-9	ug/L	7.5			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	Benzaldehyde	100-52-7	ug/L	NA			5.3	UJ	5.5	UJ	5	UJ	5.7	UJ	5.8	UJ	--	--	4.9	U	--	--
	Benzo(a)anthracene	56-55-3	ug/L	0.002			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	Benzo(a)pyrene	50-32-8	ug/L	ND			5.3	U	5.5	U	5	U	5.7	U	5.8	UJ	--	--	4.9	U	--	--
	Benzo(b)fluoranthene	205-99-2	ug/L	0.002			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	Benzo(g,h,i)perylene	191-24-2	ug/L	NA			5.3	U	5.5	U	5	U	5.7	U	5.8	UJ	--	--	4.9	U	--	--
	Benzo(k)fluoranthene	207-08-9	ug/L	0.002			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	Benzyl alcohol	100-51-6	ug/L	NA			21	U	22	U	20	U	23	U	23	U	--	--	20	U	--	--
	Bis(2-chloroethoxy)methane	111-91-1	ug/L	5			5.3	U	5.5	U	5	U	5.7	U	5.8	UJ	--	--	4.9	U	--	--
	Bis(2-chloroethyl)ether	111-44-4	ug/L	1			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	5			5.3	UJ	5.5	U	5	U	5.7	U	5.8	UJ	--	--	4.9	U	--	--
	Butyl benzyl phthalate	85-68-7	ug/L	50			5.3	U	5.5	U	5	U	5.7	U	5.8	UJ	--	--	4.9	U	--	--
	Caprolactam	105-60-2	ug/L	NA			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	Carbazole	86-74-8	ug/L	NA			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	Chrysene	218-01-9	ug/L	0.002			5.3	U	5.5	U	5	U	5.7	U	5.8	UJ	--	--	4.9	U	--	--
	Dibenz(a,h)anthracene	53-70-3	ug/L	NA			5.3	U	5.5	U	5	U	5.7	U	5.8	UJ	--	--	4.9	U	--	--
	Dibenzofuran	132-64-9	ug/L	NA			11	U	11	U	10	U	11	U	12	UJ	--	--	9.8	U	--	--
	Dicyclohexylamine	101-83-7	ug/L	†			11	UJ	11	UJ	140	DJ	19	J	12	UJ	--	--	9.8	UJ	--	--
	Diethyl phthalate	84-66-2	ug/L	50			5.3	U	5.5	U	5	U	5.7	U	5.8	UJ	--	--	4.9	U	--	--
	Dimethyl phthalate	131-11-3	ug/L	50			5.3	U	5.5	U	5	U	5.7	U	5.8	UJ	--	--	4.9	U	--	--
	Di-n-butyl phthalate	84-74-2	ug/L	50			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	Di-n-octyl phthalate	117-84-0	ug/L	50			5.3	U	5.5	U	5	U	5.7	U	5.8	UJ	--	--	4.9	U	--	--
	Fluoranthene	206-44-0	ug/L	50			5.3	UJ	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	Fluorene	86-73-7	ug/L	50			5.3	U	5.5	U	5	U	5.7	U	5.8	UJ	--	--	4.9	U	--	--
	Hexachlorobenzene	118-74-1	ug/L	0.04			5.3	U	5.5	U	5	U	5.7	U	5.8	UJ	--	--	4.9	U	--	--
	Hexachlorobutadiene	87-68-3	ug/L	0.5			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	Hexachlorocyclopentadiene	77-47-4	ug/L	5			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	Hexachloroethane	67-72-1	ug/L	5			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	Indeno(1,2,3-cd)pyrene	193-39-5	ug/L	0.002			5.3	U	5.5	U	5	U	5.7	U	5.8	UJ	--	--	4.9	U	--	--
	Isophorone	78-59-1	ug/L	50			5.3	U	5.5	U	5	U	5.7	U	5.8	UJ	--	--	4.9	U	--	--
	n,n-Dimethylaniline	121-69-7	ug/L	1			5.3	UJ	5.5	UJ	5	UJ	5.7	UJ	5.8	UJ	--	--	4.9	UJ	--	--
	Naphthalene	91-20-3	ug/L	10			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	Nitrobenzene	98-95-3	ug/L	0.4			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	N-Nitroso-di-n-propylamine	621-64-7	ug/L	NA			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	N-Nitrosodiphenylamine	86-30-6	ug/L	50			5.3	U	5.5	U	5	U	5.7	U	5.8	UJ	--	--	4.9	U	--	--
	Pentachloropheno	87-86-5	ug/L	1			11	U	11	U	10	U	11	U	12	U	--	--	9.8	U	--	--
	Phenanthrene	85-01-8	ug/L	50			5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--	--
	Phenol	108-95-2	ug/L	1			5.3	U	5.5	U	0.93	J	5.7	U	5.8	U	--	--	4.9	U	--	--

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		T-20S		T-22D		T-22S		T-23D		T-23S ⁽¹⁾		T-23S ⁽¹⁾		T-24		T-24 ⁽¹⁾	
					Sample Date		9/27/2013 14:15		10/23/2013 12:25		10/1/2013 15:50		10/2/2013 14:40		10/3/2013 16:40		10/4/2013 9:40		9/18/2013 12:15		1/17/2014 13:15	
					Sample ID		T-20S (092713)		T-22D (102313)		T-22S (10/01/13)		T-23D (100213)		T-23S (100313)		T-23S (100413)		T-24 (091813)		T-24 (1/17/14)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs	Total Phenols	Arc-Tphen	ug/L	1	ND		ND		0.93	J	ND		ND		--	--	ND		--		--	--
Method	Pyrene	129-00-0	ug/L	50	5.3	U	5.5	U	5	U	5.7	U	5.8	U	--	--	4.9	U	--		--	--
SW8270C/D	Pyridine	110-86-1	ug/L	50	27	U	27	UJ	25	U	29	U	29	U	--	--	24	U	--		--	--
(Cont.)	Triethylamine	121-44-8	ug/L	NA	5.3	UJ	5.5	UJ	5	UJ	23	J	6	J	--	--	4.9	UJ	--		--	--
Alcohol	Ethanol	64-17-5	mg/L	†	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--		--	--
Method	Ethylene glyco	107-21-1	mg/L	0.05	100	UJ	100	UJ	10	U	100	U	100	U	--	--	10	U	--		--	--
SW8015B/D	Isopropyl alcohol	67-63-0	mg/L	NA	1	U	1	U	1	U	1	U	1	U	--	--	1	U	--		--	--
	Methanol	67-56-1	mg/L	NA	0.41	J	1	U	1	U	1	U	1	U	--	--	1	U	--		--	--
	Propylene glycol	57-55-6	mg/L	1	100	UJ	100	UJ	10	U	100	U	100	U	--	--	10	U	--		--	--

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		T-25		T-25 ⁽¹⁾		T-26		T-27		T-28		T-29		T-30		T-30 ⁽¹⁾	
					Sample Date		9/18/2013 9:50		1/17/2014 12:00		9/4/2013 10:30		9/6/2013 15:45		9/18/2013 15:40		9/9/2013 12:50		9/16/2013 16:10		1/17/2014 9:55	
					Sample ID		T-25 (091813)		T-25 (1/17/14)		T-26 (090413)		T-27 (090613)		T-28 (091813)		T-29 (090913)		T-30 (091613)		T-30 (1/17/14)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	ug/L	5	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/L	5	1	U	--	--	1	U	1.5	U	1	U	1	U	5	U	1	U	--	--
	1,1,2-Trichloroethane	79-00-5	ug/L	1	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	1,1-Dichloroethane	75-34-3	ug/L	5	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	1,1-Dichloroethene	75-35-4	ug/L	5	11	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	1,2,3-Trichlorobenzene	87-61-6	ug/L	5	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	1,2,4-Trichlorobenzene	120-82-1	ug/L	5	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	1,2,4-Trimethylbenzene	95-63-6	ug/L	5	1	U	--	--	1	U	1	U	1	U	43	U	8.1	U	1	U	--	--
	1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	0.04	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	UJ	--	--
	1,2-Dibromoethane	106-93-4	ug/L	0.0006	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	1,2-Dichlorobenzene	95-50-1	ug/L	3	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	1,2-Dichloroethane	107-06-2	ug/L	0.6	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	1,2-Dichloropropane	78-87-5	ug/L	1	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	1,3,5-Trimethylbenzene	108-67-8	ug/L	5	1	U	--	--	1	U	1	U	1	U	21	U	6.2	U	1	U	--	--
	1,3-Dichlorobenzene	541-73-1	ug/L	3	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	1,4-Dichlorobenzene	106-46-7	ug/L	3	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	1,4-Dioxane	123-91-1	ug/L	NA	40	UJ	--	--	24	J	40	UJ	40	UJ	40	UJ	200	UJ	40	UJ	--	--
	2-Butanone	78-93-3	ug/L	50	10	U	--	--	10	UJ	10	U	10	U	10	U	75	U	10	U	--	--
	2-Hexanone	591-78-6	ug/L	50	5	U	--	--	5	U	5	U	5	U	5	U	25	U	5	U	--	--
	2-Nitropropane	79-46-9	ug/L	NA	5	UJ	--	--	5	UJ	5	UJ	5	UJ	5	UJ	25	UJ	5	UJ	--	--
	4-Methyl-2-pentanone	108-10-1	ug/L	NA	5	U	--	--	5	U	5	U	5	U	190	U	2,000	U	5	U	--	--
	Acetone	67-64-1	ug/L	50	16	U	--	--	4.8	J	10	U	140	U	140	U	1,800	U	4.4	J	--	--
	Acetonitrile	75-05-8	ug/L	NA	40	U	--	--	40	U	40	U	40	U	40	U	200	U	40	U	--	--
	Benzene	71-43-2	ug/L	1	1	U	--	--	1	U	1	U	1	U	2.6	U	3.5	J	1	U	--	--
	Bromochloromethane	74-97-5	ug/L	5	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	Bromodichloromethane	75-27-4	ug/L	50	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	Bromoform	75-25-2	ug/L	50	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	UJ	--	--
	Bromomethane	74-83-9	ug/L	5	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	UJ	--	--
	Carbon disulfide	75-15-0	ug/L	60	1	U	--	--	1	U	1	U	1	U	1.9	U	5	U	1	U	--	--
	Carbon tetrachloride	56-23-5	ug/L	5	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	Chlorobenzene	108-90-7	ug/L	5	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	Chlorodifluoromethane	75-45-6	ug/L	5	0.8	J	--	--	1	UJ	1	UJ	1	UJ	4	J	5	UJ	1	UJ	--	--
	Chloroethane	75-00-3	ug/L	5	1	U	--	--	1	U	1	U	1	UJ	1	U	5	UJ	1	UJ	--	--
	Chloroform	67-66-3	ug/L	7	1	U	--	--	1	U	0.44	J	1	U	1	U	5	U	1	U	--	--
	Chloromethane	74-87-3	ug/L	5	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	UJ	--	--
	cis-1,2-Dichloroethene	156-59-2	ug/L	5	1	U	--	--	1.2	U	1	U	1	U	1	U	5	U	1	U	--	--
	cis-1,3-Dichloropropene	10061-01-5	ug/L	0.4	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	Cyclohexane	110-82-7	ug/L	NA	1	U	--	--	1	U	1	U	1	U	46	U	250	U	1	U	--	--
	Cyclohexanone	108-94-1	ug/L	NA		R	--	--		R		R		R		R		R	10	UJ	--	--
	Dibromochloromethane	124-48-1	ug/L	50	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	Dichlorodifluoromethane	75-71-8	ug/L	5	1	U	--	--	1	UJ	1.6	U	1	U	1	U	5	UJ	1	U	--	--
	Diethyl ether	60-29-7	ug/L	NA	1	UJ	--	--	1	UJ	1	UJ	1	UJ	1	UJ	5	UJ	1	UJ	--	--
	Ethyl acetate	141-78-6	ug/L	NA	1	UJ	--	--	1	UJ	1	UJ	1	UJ	1	UJ	5	UJ	1	UJ	--	--
	Ethylbenzene	100-41-4	ug/L	5	1	U	--	--	1	U	1	U	1	U	4.6	U	4.6	J	1	U	--	--
	Isobutanol	78-83-1	ug/L	NA	40	UJ	--	--	40	UJ	40	UJ	40	UJ	40	UJ	200	UJ	40	UJ	--	--
	Isopropylbenzene	98-82-8	ug/L	5	1	U	--	--	1	U	1	U	1	U	3.7	U	5	U	1	U	--	--
	m&p-Xylene	179601-23-1	ug/L	5	2	U	--	--	2	U	2	U	2	U	20	U	14	U	2	U	--	--

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Location		T-25		T-25 ⁽¹⁾		T-26		T-27		T-28		T-29		T-30		T-30 ⁽¹⁾	
					Sample Date		9/18/2013 9:50		1/17/2014 12:00		9/4/2013 10:30		9/6/2013 15:45		9/18/2013 15:40		9/9/2013 12:50		9/16/2013 16:10		1/17/2014 9:55	
							T-25 (091813)		T-25 (1/17/14)		T-26 (090413)		T-27 (090613)		T-28 (091813)		T-29 (090913)		T-30 (091613)		T-30 (1/17/14)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Methyl acetate	79-20-9	ug/L	NA	1	U	--	--	1	UJ	1	U	1	U	1	U	5	U	1	U	--	--
	Methyl tert-butyl ether	1634-04-4	ug/L	10	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	Methylcyclohexane	108-87-2	ug/L	†	1	U	--	--	1	U	1	U	1	U	28	U	240	U	1	U	--	--
	Methylene Chloride	75-09-2	ug/L	5	1	U	--	--	1	U	1	U	1	U	34	U	16	U	1	U	--	--
	Naphthalene	91-20-3	ug/L	10	3.4	U	--	--	1	U	1	U	1	U	1.1	U	100	J	1	U	--	--
	n-Butanol	71-36-3	ug/L	50	40	UJ	--	--	40	UJ	40	UJ	40	UJ	40	UJ	200	UJ	40	UJ	--	--
	n-Butylbenzene	104-51-8	ug/L	5	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	n-Heptane	142-82-5	ug/L	NA	20	UJ	--	--	20	UJ	20	UJ	20	UJ	11	J	360	J	20	UJ	--	--
	n-Hexane	110-54-3	ug/L	NA	10	UJ	--	--	10	UJ	10	UJ	10	UJ	1.3	J	4.7	J	10	UJ	--	--
	o-Xylene	95-47-6	ug/L	5	1	U	--	--	1	U	1	U	1	U	3.2	U	6.5	U	1	U	--	--
	p-Isopropyltoluene	99-87-6	ug/L	5	1	U	--	--	1	U	1	U	1	U	2.7	U	2.5	J	1	U	--	--
	sec-Butylbenzene	135-98-8	ug/L	5	1	U	--	--	1	U	1	U	1	U	2.4	U	5	U	1	U	--	--
	Styrene	100-42-5	ug/L	5	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	tert-Butanol	75-65-0	ug/L	NA	20	UJ	--	--	22	J	20	UJ	20	UJ	20	UJ	100	UJ	20	UJ	--	--
	tert-Butylbenzene	98-06-6	ug/L	5	1	U	--	--	1	U	1	U	1	U	1.5	U	5	U	1	U	--	--
	Tetrachloroethene	127-18-4	ug/L	5	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	Tetrahydrofuran	109-99-9	ug/L	50	5	U	--	--	5	UJ	5	U	5	U	5	U	25	U	5	U	--	--
	Toluene	108-88-3	ug/L	5	1	U	--	--	1	U	1	U	1	U	3.4	U	180	U	0.94	J	--	--
	trans-1,2-Dichloroethene	156-60-5	ug/L	5	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	trans-1,3-Dichloropropene	10061-02-6	ug/L	0.4	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	Trichloroethene	79-01-6	ug/L	5	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	Trichlorofluoromethane	75-69-4	ug/L	5	1	U	--	--	1	U	1	U	1	U	1	U	5	U	1	U	--	--
	Vinyl chloride	75-01-4	ug/L	2	2	U	--	--	1.9	U	1	U	1	U	1	U	5	U	1	U	--	--
	Xylenes (total)	1330-20-7	ug/L	5	2	U	--	--	2	U	2	U	2	U	23	U	21	U	2	U	--	--
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	ug/L	5	5.7	U	--	--	5	U	93	UJ	4.8	U	1.3	J	5.2	U	--	--	--	--
	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5	5.7	U	--	--	5	U	93	UJ	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	2,2'-Oxybis(1-Chloropropane)	108-60-1	ug/L	5	5.7	U	--	--	5	U	93	UJ	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	1	5.7	U	--	--	5	U	93	UJ	4.8	U	2.5	J	5.2	U	--	--	--	--
	2,4,5-Trichlorophenol	95-95-4	ug/L	1	5.7	U	--	--	5	U	93	UJ	4.8	U		R	5.2	U	--	--	--	--
	2,4,6-Trichlorophenol	88-06-2	ug/L	1	5.7	U	--	--	5	U	93	UJ	4.8	U	8.9	J	5.2	U	--	--	--	--
	2,4-Dichloropheno	120-83-2	ug/L	1	5.7	U	--	--	5	U	93	UJ	0.82	J	15	J	5.2	U	--	--	--	--
	2,4-Dimethylpheno	105-67-9	ug/L	1	5.7	U	--	--	5	U	93	UJ	4.8	U		R	5.2	U	--	--	--	--
	2,4-Dinitropheno	51-28-5	ug/L	1	11	U	--	--	10	U	190	UJ	9.6	U		R	10	U	--	--	--	--
	2,4-Dinitrotoluene	121-14-2	ug/L	5	5.7	U	--	--	5	U	93	UJ	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	2,6-Dinitrotoluene	606-20-2	ug/L	5	5.7	U	--	--	5	U	93	UJ	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	2-Chloronaphthalene	91-58-7	ug/L	10	5.7	U	--	--	5	U	93	UJ	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	2-Chloropheno	95-57-8	ug/L	1	5.7	U	--	--	5	U	93	UJ	4.8	U	13	J	5.2	U	--	--	--	--
	2-Methylnaphthalene	91-57-6	ug/L	NA	5.7	U	--	--	5	U	93	UJ	4.8	U	7.8	J	5.2	U	--	--	--	--
	2-Methylpheno	95-48-7	ug/L	1	5.7	U	--	--	5	U	93	UJ	0.6	J	3.5	J	5.2	U	--	--	--	--
	2-Nitroaniline	88-74-4	ug/L	5	11	U	--	--	10	U	190	UJ	9.6	U	10	UJ	10	U	--	--	--	--
	2-Nitrophenol	88-75-5	ug/L	1	5.7	U	--	--	5	U	93	UJ	4.8	U		R	5.2	U	--	--	--	--
	3 & 4 Methylpheno	MEPH3MEPH4	ug/L	1	11	U	--	--	10	U	190	UJ	4.1	J	62	J	10	U	--	--	--	--
	3,3'-Dichlorobenzidine	91-94-1	ug/L	5	5.7	U	--	--	5	U	93	UJ	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	3-Nitroaniline	99-09-2	ug/L	5	11	U	--	--	10	UJ	190	UJ	9.6	U	10	UJ	10	UJ	--	--	--	--
	4,6-Dinitro-2-methylpheno	534-52-1	ug/L	1	11	U	--	--	10	U	190	UJ	9.6	U		R	10	U	--	--	--	--
	4-Bromophenyl phenyl ethe	101-55-3	ug/L	NA	5.7	U	--	--	5	U	93	UJ	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	4-Chloro-3-methylpheno	59-50-7	ug/L	1	5.7	U	--	--	5	U	93	UJ	4.8	U		R	5.2	U	--	--	--	--
	4-Chloroaniline	106-47-8	ug/L	5	5.7	UJ	--	--	5	UJ	93	UJ	4.8	UJ	5.2	UJ	5.2	UJ	--	--	--	--

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		T-25		T-25 ⁽¹⁾		T-26		T-27		T-28		T-29		T-30		T-30 ⁽¹⁾	
					Sample Date		9/18/2013 9:50		1/17/2014 12:00		9/4/2013 10:30		9/6/2013 15:45		9/18/2013 15:40		9/9/2013 12:50		9/16/2013 16:10		1/17/2014 9:55	
					Sample ID		T-25 (091813)		T-25 (1/17/14)		T-26 (090413)		T-27 (090613)		T-28 (091813)		T-29 (090913)		T-30 (091613)		T-30 (1/17/14)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	4-Chlorophenyl phenyl ether	7005-72-3	ug/L	NA	5.7	U	--	--	5	U	93	UJ	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	4-Methylphenol	106-44-5	ug/L	1	11	U	--	--	10	U	190	UJ	4.1	J	140	DJ	10	U	--	--	--	--
	4-Nitroaniline	100-01-6	ug/L	5	11	U	--	--	10	U	190	UJ	9.6	U	10	UJ	10	U	--	--	--	--
	4-Nitrophenol	100-02-7	ug/L	1	11	U	--	--	10	U	190	UJ	9.6	U		R	10	U	--	--	--	--
	Acenaphthene	83-32-9	ug/L	20	5.3	J	--	--	5	U	46	J	0.44	J	10	J	5.2	U	--	--	--	--
	Acenaphthylene	208-96-8	ug/L	NA	5.7	U	--	--	5	U	22	J	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	Acetophenone	98-86-2	ug/L	NA	5.7	U	--	--	1.9	J	93	UJ	4.5	J	5.2	UJ	5.2	U	--	--	--	--
	Aniline	62-53-3	ug/L	5	11	U	--	--	10	U	190	UJ	9.6	U	470	DJ	10	U	--	--	--	--
	Anthracene	120-12-7	ug/L	50	0.34	J	--	--	5	U	93	UJ	4.8	U	2.5	J	5.2	U	--	--	--	--
	Atrazine	1912-24-9	ug/L	7.5	5.7	U	--	--	5	U	93	UJ	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	Benzaldehyde	100-52-7	ug/L	NA	5.7	U	--	--	0.42	J	93	UJ	4.8	U	5.2	UJ	5.2	UJ	--	--	--	--
	Benzo(a)anthracene	56-55-3	ug/L	0.002	5.7	U	--	--	5	U	65	J	4.8	U	0.89	J	5.2	U	--	--	--	--
	Benzo(a)pyrene	50-32-8	ug/L	ND	5.7	U	--	--	5	U	72	J	4.8	U	0.66	J	5.2	U	--	--	--	--
	Benzo(b)fluoranthene	205-99-2	ug/L	0.002	5.7	U	--	--	5	U	57	J	4.8	U	0.62	J	5.2	U	--	--	--	--
	Benzo(g,h,i)perylene	191-24-2	ug/L	NA	5.7	U	--	--	5	U	29	J	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	Benzo(k)fluoranthene	207-08-9	ug/L	0.002	5.7	U	--	--	5	U	20	J	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	Benzyl alcoho	100-51-6	ug/L	NA	23	U	--	--	20	U	370	UJ	3.4	J	21	UJ	21	U	--	--	--	--
	Bis(2-chloroethoxy)methane	111-91-1	ug/L	5	5.7	U	--	--	5	U	93	UJ	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	Bis(2-chloroethyl)ether	111-44-4	ug/L	1	5.7	U	--	--	5	U	93	UJ	6.4		5.2	UJ	5.2	U	--	--	--	--
	Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	5	5.7	U	--	--	12		48	J	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	Butyl benzyl phthalate	85-68-7	ug/L	50	5.7	U	--	--	5	U	93	UJ	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	Caprolactam	105-60-2	ug/L	NA	5.7	U	--	--	5	U	93	UJ	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	Carbazole	86-74-8	ug/L	NA	1.2	J	--	--	5	U	93	UJ	0.36	J	4.9	J	5.2	U	--	--	--	--
	Chrysene	218-01-9	ug/L	0.002	5.7	U	--	--	5	U	69	J	4.8	U	0.83	J	5.2	U	--	--	--	--
	Dibenz(a,h)anthracene	53-70-3	ug/L	NA	5.7	U	--	--	5	U	8.2	J	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	Dibenzofuran	132-64-9	ug/L	NA	0.92	J	--	--	10	U	190	UJ	9.6	U	4.8	J	10	U	--	--	--	--
	Dicyclohexylamine	101-83-7	ug/L	†	11	UJ	--	--	10	UJ	190	UJ	4.5	J	10	UJ	20	J	--	--	--	--
	Diethyl phthalate	84-66-2	ug/L	50	5.7	U	--	--	5	U	93	UJ	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	Dimethyl phthalate	131-11-3	ug/L	50	5.7	U	--	--	5	U	93	UJ	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	Di-n-butyl phthalate	84-74-2	ug/L	50	0.42	J	--	--	5	U	6.1	J	0.36	J	0.59	J	5.2	U	--	--	--	--
	Di-n-octyl phthalate	117-84-0	ug/L	50	5.7	U	--	--	5	U	93	UJ	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	Fluoranthene	206-44-0	ug/L	50	0.56	J	--	--	5	U	99	J	0.58	J	5.1	J	5.2	U	--	--	--	--
	Fluorene	86-73-7	ug/L	50	5.7	U	--	--	5	U	93	UJ	4.8	U	5.9	J	5.2	U	--	--	--	--
	Hexachlorobenzene	118-74-1	ug/L	0.04	5.7	U	--	--	5	U	93	UJ	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	Hexachlorobutadiene	87-68-3	ug/L	0.5	5.7	U	--	--	5	U	93	UJ	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	Hexachlorocyclopentadiene	77-47-4	ug/L	5	5.7	U	--	--	5	U	93	UJ	4.8	U	5.2	UJ	5.2	UJ	--	--	--	--
	Hexachloroethane	67-72-1	ug/L	5	5.7	U	--	--	5	U	93	UJ	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	Indeno(1,2,3-cd)pyrene	193-39-5	ug/L	0.002	5.7	U	--	--	5	U	24	J	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	Isophorone	78-59-1	ug/L	50	5.7	U	--	--	5	U	93	UJ	0.55	J	5.2	UJ	5.2	U	--	--	--	--
	n,n-Dimethylaniline	121-69-7	ug/L	1	5.7	UJ	--	--	5	UJ	93	UJ	16	J	1,500	DJ	5.2	UJ	--	--	--	--
	Naphthalene	91-20-3	ug/L	10	5.1	J	--	--	5	U	93	UJ	2.1	J	130	DJ	5.2	U	--	--	--	--
	Nitrobenzene	98-95-3	ug/L	0.4	5.7	U	--	--	5	U	93	UJ	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	N-Nitroso-di-n-propylamine	621-64-7	ug/L	NA	5.7	U	--	--	5	U	93	UJ	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	N-Nitrosodiphenylamine	86-30-6	ug/L	50	5.7	U	--	--	5	U	93	UJ	4.8	U	5.2	UJ	5.2	U	--	--	--	--
	Pentachloropheno	87-86-5	ug/L	1	11	U	--	--	10	U	190	UJ	9.6	U		R	10	U	--	--	--	--
	Phenanthrene	85-01-8	ug/L	50	1.2	J	--	--	5	U	93	UJ	0.95	J	24	J	5.2	U	--	--	--	--
	Phenol	108-95-2	ug/L	1	5.7	U	--	--	5	U	93	UJ	26		700	DJ	5.2	U	--	--	--	--

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		T-25		T-25 ⁽¹⁾		T-26		T-27		T-28		T-29		T-30		T-30 ⁽¹⁾	
					Sample Date		9/18/2013 9:50		1/17/2014 12:00		9/4/2013 10:30		9/6/2013 15:45		9/18/2013 15:40		9/9/2013 12:50		9/16/2013 16:10		1/17/2014 9:55	
					Sample ID		T-25 (091813)		T-25 (1/17/14)		T-26 (090413)		T-27 (090613)		T-28 (091813)		T-29 (090913)		T-30 (091613)		T-30 (1/17/14)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs	Total Phenols	Arc-Tphen	ug/L	1	ND		--	--	ND		ND		35.62	J	944.9	J	ND		--	--		
Method	Pyrene	129-00-0	ug/L	50	5.7	U	--	--	5	U	170	J	4.8	U	3.5	J	5.2	U	--	--		
SW8270C/D	Pyridine	110-86-1	ug/L	50	28	U	--	--	25	U	470	UJ	24	U	1	J	26	U	--	--		
(Cont.)	Triethylamine	121-44-8	ug/L	NA	5.7	UJ	--	--	5	UJ	93	UJ	40	J	5.2	UJ	5.2	UJ	--	--		
Alcohol	Ethanol	64-17-5	mg/L	†	1	U	--	--	1	U	1	U	1	U			R	1	U	--	--	
Method	Ethylene glyco	107-21-1	mg/L	0.05	100	U	--	--	10	U	10	U	10	U	100	UJ	100	UJ	--	--		
SW8015B/D	Isopropyl alcohol	67-63-0	mg/L	NA	1	U	--	--	1	U	1	U	1	U	5.7	J	1	U	--	--		
	Methanol	67-56-1	mg/L	NA	1	U	--	--	1	U	1	U	1	U			R	1	U	--	--	
	Propylene glycol	57-55-6	mg/L	1	100	U	--	--	10	U	10	U	10	U	100	UJ	100	UJ	--	--		

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		T-31		T-31 ⁽¹⁾		T-32		T-33		T-34 ⁽²⁾		T-35 ⁽¹⁾		T-36 ⁽¹⁾			
					Sample Date		9/17/2013 16:40		1/17/2014 11:00		9/17/2013 15:10		9/11/2013 16:30		9/10/2013 14:20		9/10/2013 14:20		9/10/2013 16:10		9/9/2013 14:55	
					Sample ID		T-31 (091713)		T-31 (1/17/14)		T-32 (091713)		T-33 (9/11/13)		T-34 (091013)		BMS-DUP-091013		T-35 (091013)		T-36 (090913)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	ug/L	5	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U		
	1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U		
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/L	5	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U		
	1,1,2-Trichloroethane	79-00-5	ug/L	1	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U		
	1,1-Dichloroethane	75-34-3	ug/L	5	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U		
	1,1-Dichloroethene	75-35-4	ug/L	5	1	U	--	--	1.1		2.4	J	1	U	--	--	0.83	J	24			
	1,2,3-Trichlorobenzene	87-61-6	ug/L	5	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U		
	1,2,4-Trichlorobenzene	120-82-1	ug/L	5	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U		
	1,2,4-Trimethylbenzene	95-63-6	ug/L	5	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4.2			
	1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	0.04	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U		
	1,2-Dibromoethane	106-93-4	ug/L	0.0006	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U		
	1,2-Dichlorobenzene	95-50-1	ug/L	3	1	U	--	--	1	U	4	U	1	U	--	--	1	U	9.8			
	1,2-Dichloroethane	107-06-2	ug/L	0.6	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U		
	1,2-Dichloropropane	78-87-5	ug/L	1	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U		
	1,3,5-Trimethylbenzene	108-67-8	ug/L	5	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U		
	1,3-Dichlorobenzene	541-73-1	ug/L	3	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U		
	1,4-Dichlorobenzene	106-46-7	ug/L	3	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U		
	1,4-Dioxane	123-91-1	ug/L	NA	40	UJ	--	--	40	UJ	160	UJ	40	UJ	--	--	40	UJ	160	UJ		
	2-Butanone	78-93-3	ug/L	50	10	U	--	--	10	U	40	U	10	U	--	--	10	U	48			
	2-Hexanone	591-78-6	ug/L	50	5	U	--	--	5	U	20	U	5	U	--	--	5	U	20	U		
	2-Nitropropane	79-46-9	ug/L	NA	5	UJ	--	--	5	UJ	20	UJ	5	UJ	--	--	5	UJ	20	UJ		
	4-Methyl-2-pentanone	108-10-1	ug/L	NA	3.3	J	--	--	7.7		20	U	5	U	--	--	5	U	250			
	Acetone	67-64-1	ug/L	50	21		--	--	7.7	J	24	J	10	U	--	--	10	U	620			
	Acetonitrile	75-05-8	ug/L	NA	40	U	--	--	40	U	160	U	40	U	--	--	40	U	160	U		
	Benzene	71-43-2	ug/L	1	1	U	--	--	1	U	4	U	1.7		--	--	1	U	25			
	Bromochloromethane	74-97-5	ug/L	5	1	U	--	--	1	U	4	U	1	U	--	--	1	U	13			
	Bromodichloromethane	75-27-4	ug/L	50	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U		
	Bromoform	75-25-2	ug/L	50	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U		
	Bromomethane	74-83-9	ug/L	5	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U		
	Carbon disulfide	75-15-0	ug/L	60	0.6	J	--	--	1	U	4	U	1	U	--	--	1	U	4	U		
	Carbon tetrachloride	56-23-5	ug/L	5	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U		
	Chlorobenzene	108-90-7	ug/L	5	1	U	--	--	1	U	4	U	1	U	--	--	1	U	17			
	Chlorodifluoromethane	75-45-6	ug/L	5	1	UJ	--	--	1	UJ	4	UJ	1	UJ	--	--	1	UJ	4	UJ		
	Chloroethane	75-00-3	ug/L	5	1	U	--	--	1	U	4	UJ	1	U	--	--	1	U	4	UJ		
	Chloroform	67-66-3	ug/L	7	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U		
	Chloromethane	74-87-3	ug/L	5	1	U	--	--	1	U	4	U	1	U	--	--	1	U	7.8			
	cis-1,2-Dichloroethene	156-59-2	ug/L	5	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U		
	cis-1,3-Dichloropropene	10061-01-5	ug/L	0.4	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U		
	Cyclohexane	110-82-7	ug/L	NA	1	U	--	--	1	U	4	U	1	U	--	--	1	U	2.9	J		
	Cyclohexanone	108-94-1	ug/L	NA		R	--	--		R		R	10	UJ	--	--	10	UJ	60	J		
	Dibromochloromethane	124-48-1	ug/L	50	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U		
	Dichlorodifluoromethane	75-71-8	ug/L	5	1	U	--	--	1	U	4	UJ	1	UJ	--	--	1	UJ	4	UJ		
	Diethyl ether	60-29-7	ug/L	NA	1	UJ	--	--	1	UJ	4	UJ	1	UJ	--	--	1	UJ	4	UJ		
	Ethyl acetate	141-78-6	ug/L	NA	1	UJ	--	--	1	UJ	4	UJ	1	UJ	--	--	1	UJ	4	UJ		
	Ethylbenzene	100-41-4	ug/L	5	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4.9			
	Isobutanol	78-83-1	ug/L	NA	40	UJ	--	--	40	UJ	160	UJ	40	UJ	--	--	40	UJ	160	J		
	Isopropylbenzene	98-82-8	ug/L	5	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U		
	m&p-Xylene	179601-23-1	ug/L	5	0.75	J	--	--	2	U	8	U	2	U	--	--	2	U	13			

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date Sample ID					T-31		T-31 ⁽¹⁾		T-32		T-33		T-34 ⁽²⁾				T-35 ⁽¹⁾		T-36 ⁽¹⁾		
					9/17/2013 16:40		1/17/2014 11:00		9/17/2013 15:10		9/11/2013 16:30		9/10/2013 14:20		9/10/2013 14:20		9/10/2013 16:10		9/9/2013 14:55		
					T-31 (091713)		T-31 (1/17/14)		T-32 (091713)		T-33 (9/11/13)		T-34 (091013)		BMS-DUP-091013		T-35 (091013)		T-36 (090913)		
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	
VOCs Method SW8260B/C (Cont.)	Methyl acetate	79-20-9	ug/L	NA	1	U	--	--	1	UJ	4	U	1	U	--	--	1	U	4	U	
	Methyl tert-butyl ether	1634-04-4	ug/L	10	1	U	--	--	0.16	J	4	U	1	U	--	--	1	U	4	U	
	Methylcyclohexane	108-87-2	ug/L	†	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U	
	Methylene Chloride	75-09-2	ug/L	5	0.95	J	--	--	2.4	J	8		1	U	--	--	2		110,000	D	
	Naphthalene	91-20-3	ug/L	10	1	U	--	--	1	U	4	UJ	1	UJ	--	--	1	UJ	5.5	J	
	n-Butanol	71-36-3	ug/L	50	40	UJ	--	--	40	UJ	160	UJ	40	UJ	--	--	40	UJ	160	UJ	
	n-Butylbenzene	104-51-8	ug/L	5	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U	
	n-Heptane	142-82-5	ug/L	NA	20	UJ	--	--	20	UJ	80	UJ	20	UJ	--	--	20	UJ	80	UJ	
	n-Hexane	110-54-3	ug/L	NA	10	UJ	--	--	10	UJ	40	UJ	10	UJ	--	--	10	UJ	40	UJ	
	o-Xylene	95-47-6	ug/L	5	1	U	--	--	1	U	4	U	1	U	--	--	1	U	6.6		
	p-Isopropyltoluene	99-87-6	ug/L	5	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U	
	sec-Butylbenzene	135-98-8	ug/L	5	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U	
	Styrene	100-42-5	ug/L	5	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U	
	tert-Butanol	75-65-0	ug/L	NA	20	UJ	--	--	20	UJ	80	UJ	20	UJ	--	--	20	UJ	80	UJ	
	tert-Butylbenzene	98-06-6	ug/L	5	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U	
	Tetrachloroethene	127-18-4	ug/L	5	1	U	--	--	1	U	4	U	1	U	--	--	1	U	1.6	J	
	Tetrahydrofuran	109-99-9	ug/L	50	5	U	--	--	5	U	20	U	5	U	--	--	5	U	20	U	
	Toluene	108-88-3	ug/L	5	0.64	J	--	--	1	U	4	U	0.56	J	--	--	1	U	31		
	trans-1,2-Dichloroethene	156-60-5	ug/L	5	1	U	--	--	1	U	4	U	1.1		--	--	1	U	11		
	trans-1,3-Dichloropropene	10061-02-6	ug/L	0.4	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U	
	Trichloroethene	79-01-6	ug/L	5	1	U	--	--	1	U	4	U	1	U	--	--	1	U	5.8		
	Trichlorofluoromethane	75-69-4	ug/L	5	1	U	--	--	1	U	4	U	1	U	--	--	1.3		4.3		
	Vinyl chloride	75-01-4	ug/L	2	1	U	--	--	1	U	4	U	1	U	--	--	1	U	4	U	
	Xylenes (total)	1330-20-7	ug/L	5	0.75	J	--	--	2	U	8	U	2	U	--	--	2	U	20		
	SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	ug/L	5	4.9	U	--	--	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ
		1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5	4.9	U	--	--	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ
		2,2'-Oxybis(1-Chloropropane)	108-60-1	ug/L	5	4.9	U	--	--	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ
		2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	1	4.9	U	--	--	4.6	U	4.9	U	4.6	U	--	--	4.8	U		R
2,4,5-Trichlorophenol		95-95-4	ug/L	1	4.9	U	--	--	4.6	U	4.9	U	4.6	U	--	--	4.8	U		R	
2,4,6-Trichlorophenol		88-06-2	ug/L	1	4.9	U	--	--	4.6	U	4.9	U	4.6	U	--	--	4.8	U		R	
2,4-Dichloropheno		120-83-2	ug/L	1	4.9	U	--	--	4.6	U	4.9	U	4.6	U	--	--	4.8	U		R	
2,4-Dimethylpheno		105-67-9	ug/L	1	4.9	U	--	--	4.6	U	4.9	U	4.6	UJ	--	--	4.8	UJ		R	
2,4-Dinitropheno		51-28-5	ug/L	1	9.8	U	--	--	9.1	U	9.8	U	9.2	U	--	--	9.5	U		R	
2,4-Dinitrotoluene		121-14-2	ug/L	5	4.9	U	--	--	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ	
2,6-Dinitrotoluene		606-20-2	ug/L	5	4.9	U	--	--	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ	
2-Chloronaphthalene		91-58-7	ug/L	10	4.9	U	--	--	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ	
2-Chloropheno		95-57-8	ug/L	1	4.9	U	--	--	4.6	U	4.9	U	4.6	U	--	--	4.8	U		R	
2-Methylnaphthalene		91-57-6	ug/L	NA	4.9	U	--	--	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ	
2-Methylpheno		95-48-7	ug/L	1	4.9	U	--	--	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.6	J	
2-Nitroaniline		88-74-4	ug/L	5	9.8	U	--	--	9.1	U	9.8	U	9.2	U	--	--	9.5	U	9.6	UJ	
2-Nitrophenol		88-75-5	ug/L	1	4.9	U	--	--	4.6	U	4.9	U	4.6	U	--	--	4.8	U	1.6	J	
3 & 4 Methylpheno		MEPH3MEPH4	ug/L	1	9.8	U	--	--	1.4	J	9.8	U	9.2	U	--	--	9.5	U		R	
3,3'-Dichlorobenzidine		91-94-1	ug/L	5	4.9	U	--	--	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ	
3-Nitroaniline		99-09-2	ug/L	5	9.8	U	--	--	9.1	UJ	9.8	UJ	9.2	UJ	--	--	9.5	UJ	9.6	UJ	
4,6-Dinitro-2-methylpheno		534-52-1	ug/L	1	9.8	U	--	--	9.1	U	9.8	U	9.2	U	--	--	9.5	U		R	
4-Bromophenyl phenyl ethe		101-55-3	ug/L	NA	4.9	U	--	--	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ	
4-Chloro-3-methylpheno		59-50-7	ug/L	1	4.9	U	--	--	4.6	U	4.9	U	4.6	U	--	--	4.8	U		R	
4-Chloroaniline		106-47-8	ug/L	5	4.9	UJ	--	--	4.6	UJ	4.9	UJ	4.6	UJ	--	--	4.8	UJ	4.8	UJ	

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Location		Sample Date		Sample ID		T-31		T-31 ⁽¹⁾		T-32		T-33		T-34 ⁽²⁾				T-35 ⁽¹⁾		T-36 ⁽¹⁾	
											9/17/2013 16:40		1/17/2014 11:00		9/17/2013 15:10		9/11/2013 16:30		9/10/2013 14:20		9/10/2013 14:20		9/10/2013 16:10		9/9/2013 14:55	
											T-31 (091713)		T-31 (1/17/14)		T-32 (091713)		T-33 (9/11/13)		T-34 (091013)		BMS-DUP-091013		T-35 (091013)		T-36 (090913)	
											Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	4-Chlorophenyl phenyl ether	7005-72-3	ug/L	NA	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	4-Methylphenol	106-44-5	ug/L	1	9.8	U	--	--	1.4	J	9.8	U	9.2	U	9.2	U	9.2	UJ	--	--	9.5	U		R		
	4-Nitroaniline	100-01-6	ug/L	5	9.8	U	--	--	9.1	U	9.8	U	9.2	UJ	--	--	9.2	U	--	--	9.5	UJ	9.6	UJ		
	4-Nitrophenol	100-02-7	ug/L	1	9.8	U	--	--	9.1	U	9.8	U	9.2	U	--	--	9.2	U	--	--	9.5	U		R		
	Acenaphthene	83-32-9	ug/L	20	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Acenaphthylene	208-96-8	ug/L	NA	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Acetophenone	98-86-2	ug/L	NA	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Aniline	62-53-3	ug/L	5	3.3	J	--	--	9.1	UJ	16		720	D	--	--	2	J	1,400	DJ						
	Anthracene	120-12-7	ug/L	50	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Atrazine	1912-24-9	ug/L	7.5	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Benzaldehyde	100-52-7	ug/L	NA	4.9	U	--	--		R	4.9	UJ	4.6	UJ	--	--	4.6	UJ	--	--	4.8	UJ	4.8	UJ		
	Benzo(a)anthracene	56-55-3	ug/L	0.002	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Benzo(a)pyrene	50-32-8	ug/L	ND	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Benzo(b)fluoranthene	205-99-2	ug/L	0.002	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Benzo(g,h,i)perylene	191-24-2	ug/L	NA	4.9	U	--	--	4.6	UJ	4.9	U	4.6	UJ	--	--	4.6	UJ	--	--	4.8	UJ	4.8	UJ		
	Benzo(k)fluoranthene	207-08-9	ug/L	0.002	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Benzyl alcoho	100-51-6	ug/L	NA	20	U	--	--	1.1	J	20	U	18	U	--	--	19	U	--	--	19	U	19	UJ		
	Bis(2-chloroethoxy)methane	111-91-1	ug/L	5	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Bis(2-chloroethyl)ether	111-44-4	ug/L	1	4.9	U	--	--	4.6	U	25		4.6	U	--	--	4.6	U	--	--	4.8	U	4.8	UJ		
	Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	5	4.9	U	--	--	4.6	U	5.4		4.6	U	--	--	4.6	U	--	--	4.8	U	1.8	J		
	Butyl benzyl phthalate	85-68-7	ug/L	50	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Caprolactam	105-60-2	ug/L	NA	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Carbazole	86-74-8	ug/L	NA	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Chrysene	218-01-9	ug/L	0.002	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Dibenz(a,h)anthracene	53-70-3	ug/L	NA	4.9	U	--	--	4.6	UJ	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Dibenzofuran	132-64-9	ug/L	NA	9.8	U	--	--	9.1	U	9.8	U	9.2	U	--	--	9.2	U	--	--	9.5	U	9.6	UJ		
	Dicyclohexylamine	101-83-7	ug/L	†	13	J	--	--	1.9	J	110	DJ	9.2	UJ	--	--	15	J	--	--	15	J	9.6	UJ		
	Diethyl phthalate	84-66-2	ug/L	50	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Dimethyl phthalate	131-11-3	ug/L	50	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Di-n-butyl phthalate	84-74-2	ug/L	50	4.9	U	--	--	4.6	U	0.59	J	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Di-n-octyl phthalate	117-84-0	ug/L	50	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Fluoranthene	206-44-0	ug/L	50	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Fluorene	86-73-7	ug/L	50	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Hexachlorobenzene	118-74-1	ug/L	0.04	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Hexachlorobutadiene	87-68-3	ug/L	0.5	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Hexachlorocyclopentadiene	77-47-4	ug/L	5	4.9	U	--	--	4.6	U	4.9	UJ	4.6	U	--	--	4.6	U	--	--	4.8	U	4.8	UJ		
	Hexachloroethane	67-72-1	ug/L	5	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Indeno(1,2,3-cd)pyrene	193-39-5	ug/L	0.002	4.9	U	--	--	4.6	UJ	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Isophorone	78-59-1	ug/L	50	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	n,n-Dimethylaniline	121-69-7	ug/L	1	4.9	UJ	--	--	4.6	UJ	4.9	UJ	120	DJ	--	--	4.6	UJ	--	--	4.8	UJ	1,800	DJ		
	Naphthalene	91-20-3	ug/L	10	4.9	U	--	--	4.6	U	4.9	U	4.6	U	--	--	4.6	U	--	--	4.8	U	2.4	J		
	Nitrobenzene	98-95-3	ug/L	0.4	4.9	U	--	--	0.96	J	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	N-Nitroso-di-n-propylamine	621-64-7	ug/L	NA	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	N-Nitrosodiphenylamine	86-30-6	ug/L	50	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Pentachloropheno	87-86-5	ug/L	1	9.8	U	--	--	9.1	U	9.8	U	9.2	U	--	--	9.2	U	--	--	9.5	U		R		
	Phenanthrene	85-01-8	ug/L	50	4.9	U	--	--	4.6	U	4.9	U	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
	Phenol	108-95-2	ug/L	1	1.7	J	--	--	5.6		11	J	4.6	U	--	--	4.6	U	--	--	4.2	J	8,400	DJ		

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location					T-31		T-31 ⁽¹⁾		T-32		T-33		T-34 ⁽²⁾				T-35 ⁽¹⁾		T-36 ⁽¹⁾			
					Sample Date		9/17/2013 16:40		1/17/2014 11:00		9/17/2013 15:10		9/11/2013 16:30		9/10/2013 14:20		9/10/2013 14:20		9/10/2013 16:10		9/9/2013 14:55	
					Sample ID		T-31 (091713)		T-31 (1/17/14)		T-32 (091713)		T-33 (9/11/13)		T-34 (091013)		BMS-DUP-091013		T-35 (091013)		T-36 (090913)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
SVOCs	Total Phenols	Arc-Tphen	ug/L	1	1.7	J	--	--	8.4	J	11	J	ND		--	--	4.2	J	8,406.2	J		
Method	Pyrene	129-00-0	ug/L	50	4.9	U	--	--	4.6	U	4.9	U	4.6	U	--	--	4.8	U	4.8	UJ		
SW8270C/D	Pyridine	110-86-1	ug/L	50	24	U	--	--	23	U	24	U	23	U	--	--	24	U	24	UJ		
(Cont.)	Triethylamine	121-44-8	ug/L	NA	4.9	UJ	--	--	4.6	UJ	4.9	J	4.6	UJ	--	--	4.8	UJ	4.8	UJ		
Alcohol	Ethanol	64-17-5	mg/L	†	1	U	--	--	1	U	1	U	1	U	--	--	1	U	1	U		
Method	Ethylene glyco	107-21-1	mg/L	0.05	10	U	--	--	10	U	0.9	J	10	U	--	--	10	U	2.9	J		
SW8015B/D	Isopropyl alcohol	67-63-0	mg/L	NA	1	U	--	--	1	U	1	U	1	U	--	--	1	U	1.5	J		
	Methanol	67-56-1	mg/L	NA	1	U	--	--	1	U	1	U	1	U	--	--	1	U	180	J		
	Propylene glycol	57-55-6	mg/L	1	10	U	--	--	10	U	10	U	10	U	--	--	10	U	10	U		

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		T-37		T-38		T-38 ⁽¹⁾		T-39		T-39 ⁽¹⁾		T-40		T-40 ⁽¹⁾		T-41	
					Sample Date		8/29/2013 16:40		8/29/2013 10:40		1/17/2014 16:55		8/28/2013 16:43		1/17/2014 15:05		8/28/2013 13:22		9/5/2013 10:30		9/16/2013 10:45	
					Sample ID		T-37 (082913)		T-38 (082913)		T-38 (1/17/14)		T-39 (082813)		T-39 (1/17/14)		T-40 (082813)		T-40 (090513)		T-41 (091613)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	1,1,2-Trichloroethane	79-00-5	ug/L	1	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	1,1-Dichloroethane	75-34-3	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	1,1-Dichloroethene	75-35-4	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	1,2,3-Trichlorobenzene	87-61-6	ug/L	5	1	U	1	UB	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	1,2,4-Trichlorobenzene	120-82-1	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	1,2,4-Trimethylbenzene	95-63-6	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	0.04	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	UJ
	1,2-Dibromoethane	106-93-4	ug/L	0.0006	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	1,2-Dichlorobenzene	95-50-1	ug/L	3	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	1,2-Dichloroethane	107-06-2	ug/L	0.6	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	1,2-Dichloropropane	78-87-5	ug/L	1	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	1,3,5-Trimethylbenzene	108-67-8	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	1,3-Dichlorobenzene	541-73-1	ug/L	3	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	1,4-Dichlorobenzene	106-46-7	ug/L	3	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	1,4-Dioxane	123-91-1	ug/L	NA	410	J	40	UJ	--	--	40	UJ	--	--	40	UJ	--	--	40	UJ	40	UJ
	2-Butanone	78-93-3	ug/L	50	10	U	10	U	--	--	10	U	--	--	10	U	--	--	10	U	10	U
	2-Hexanone	591-78-6	ug/L	50	5	U	5	U	--	--	5	U	--	--	5	U	--	--	5	U	5	U
	2-Nitropropane	79-46-9	ug/L	NA	5	UJ	5	UJ	--	--	5	UJ	--	--	5	UJ	--	--	5	UJ	5	UJ
	4-Methyl-2-pentanone	108-10-1	ug/L	NA	5	U	5	U	--	--	5	U	--	--	5	U	--	--	5	U	5	U
	Acetone	67-64-1	ug/L	50	5.8	J	4.2	J	--	--	5.9	J	--	--	4.4	J	--	--	3	J	3	J
	Acetonitrile	75-05-8	ug/L	NA	40	U	40	U	--	--	40	U	--	--	40	U	--	--	40	U	40	U
	Benzene	71-43-2	ug/L	1	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	Bromochloromethane	74-97-5	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	Bromodichloromethane	75-27-4	ug/L	50	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	Bromoform	75-25-2	ug/L	50	1	UJ	1	UJ	--	--	1	UJ	--	--	1	UJ	--	--	1	UJ	1	UJ
	Bromomethane	74-83-9	ug/L	5	1	U	1	U	--	--	1	UJ	--	--	1	UJ	--	--	1	UJ	1	UJ
	Carbon disulfide	75-15-0	ug/L	60	1	UJ	1	UJ	--	--	1	UJ	--	--	1	UJ	--	--	0.25	J	0.25	J
	Carbon tetrachloride	56-23-5	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	Chlorobenzene	108-90-7	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	Chlorodifluoromethane	75-45-6	ug/L	5	1	UJ	1	UJ	--	--	0.9	J	--	--	1	UJ	--	--	1	UJ	1	UJ
	Chloroethane	75-00-3	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	UJ
	Chloroform	67-66-3	ug/L	7	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	Chloromethane	74-87-3	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	UJ
	cis-1,2-Dichloroethene	156-59-2	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	cis-1,3-Dichloropropene	10061-01-5	ug/L	0.4	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	Cyclohexane	110-82-7	ug/L	NA	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	Cyclohexanone	108-94-1	ug/L	NA		R		R	--	--	10	UJ	--	--	10	UJ	--	--	10	UJ	10	UJ
	Dibromochloromethane	124-48-1	ug/L	50	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	Dichlorodifluoromethane	75-71-8	ug/L	5	1	UJ	1	UJ	--	--	0.89	J	--	--	1	UJ	--	--	1	UJ	1	U
	Diethyl ether	60-29-7	ug/L	NA	1	UJ	1	UJ	--	--	1	UJ	--	--	1	UJ	--	--	1	UJ	1	UJ
	Ethyl acetate	141-78-6	ug/L	NA	1	UJ	1	UJ	--	--	1	UJ	--	--	1	UJ	--	--	2	J	2	J
	Ethylbenzene	100-41-4	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	Isobutanol	78-83-1	ug/L	NA	40	UJ	40	UJ	--	--	40	UJ	--	--	40	UJ	--	--	40	UJ	40	UJ
	Isopropylbenzene	98-82-8	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	m&p-Xylene	179601-23-1	ug/L	5	2	U	2	U	--	--	2	U	--	--	2	U	--	--	2	U	2	U

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Location		T-37		T-38		T-38 ⁽¹⁾		T-39		T-39 ⁽¹⁾		T-40		T-40 ⁽¹⁾		T-41	
					Sample Date		8/29/2013 16:40		8/29/2013 10:40		1/17/2014 16:55		8/28/2013 16:43		1/17/2014 15:05		8/28/2013 13:22		9/5/2013 10:30		9/16/2013 10:45	
					Sample ID		T-37 (082913)		T-38 (082913)		T-38 (1/17/14)		T-39 (082813)		T-39 (1/17/14)		T-40 (082813)		T-40 (090513)		T-41 (091613)	
					Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Methyl acetate	79-20-9	ug/L	NA	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	Methyl tert-butyl ether	1634-04-4	ug/L	10	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	Methylcyclohexane	108-87-2	ug/L	†	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	Methylene Chloride	75-09-2	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	Naphthalene	91-20-3	ug/L	10	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	n-Butanol	71-36-3	ug/L	50	40	UJ	40	UJ	--	--	40	UJ	--	--	40	UJ	--	--	40	UJ	40	UJ
	n-Butylbenzene	104-51-8	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	n-Heptane	142-82-5	ug/L	NA	20	UJ	20	UJ	--	--	20	UJ	--	--	20	UJ	--	--	20	UJ	20	UJ
	n-Hexane	110-54-3	ug/L	NA	10	UJ	10	UJ	--	--	10	UJ	--	--	10	UJ	--	--	10	UJ	10	UJ
	o-Xylene	95-47-6	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	p-Isopropyltoluene	99-87-6	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	sec-Butylbenzene	135-98-8	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	Styrene	100-42-5	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	tert-Butanol	75-65-0	ug/L	NA	15	J	20	UJ	--	--	20	UJ	--	--	20	UJ	--	--	20	UJ	20	UJ
	tert-Butylbenzene	98-06-6	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	Tetrachloroethene	127-18-4	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	Tetrahydrofuran	109-99-9	ug/L	50	5	U	5	U	--	--	5	U	--	--	5	U	--	--	5	U	5	U
	Toluene	108-88-3	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	0.53	J
	trans-1,2-Dichloroethene	156-60-5	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	trans-1,3-Dichloropropene	10061-02-6	ug/L	0.4	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	Trichloroethene	79-01-6	ug/L	5	1.4	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	Trichlorofluoromethane	75-69-4	ug/L	5	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	Vinyl chloride	75-01-4	ug/L	2	1	U	1	U	--	--	1	U	--	--	1	U	--	--	1	U	1	U
	Xylenes (total)	1330-20-7	ug/L	5	2	U	2	U	--	--	2	U	--	--	2	U	--	--	2	U	2	U
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	ug/L	5	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U	4.8	U
	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U	4.8	U
	2,2'-Oxybis(1-Chloropropane)	108-60-1	ug/L	5	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U	4.8	U
	2,3,4,6-Tetrachlorophenol	58-90-2	ug/L	1	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U	4.8	U
	2,4,5-Trichlorophenol	95-95-4	ug/L	1	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U	4.8	U
	2,4,6-Trichlorophenol	88-06-2	ug/L	1	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U	4.8	U
	2,4-Dichloropheno	120-83-2	ug/L	1	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U	4.8	U
	2,4-Dimethylpheno	105-67-9	ug/L	1	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U	4.8	U
	2,4-Dinitropheno	51-28-5	ug/L	1	9.7	U	9.2	U	--	--	9.8	U	--	--	9.1	U	--	--	9.7	U	9.7	U
	2,4-Dinitrotoluene	121-14-2	ug/L	5	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U	4.8	U
	2,6-Dinitrotoluene	606-20-2	ug/L	5	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U	4.8	U
	2-Chloronaphthalene	91-58-7	ug/L	10	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U	4.8	U
	2-Chloropheno	95-57-8	ug/L	1	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U	4.8	U
	2-Methylnaphthalene	91-57-6	ug/L	NA	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U	4.8	U
	2-Methylpheno	95-48-7	ug/L	1	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U	4.8	U
	2-Nitroaniline	88-74-4	ug/L	5	9.7	U	9.2	U	--	--	9.8	U	--	--	9.1	U	--	--	9.7	U	9.7	U
	2-Nitrophenol	88-75-5	ug/L	1	4.8	U	0.51	J	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U	4.8	U
	3 & 4 Methylpheno	MEPH3MEPH4	ug/L	1	9.7	U	9.2	U	--	--	9.8	U	--	--	9.1	U	--	--	9.7	U	9.7	U
	3,3'-Dichlorobenzidine	91-94-1	ug/L	5	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U	4.8	U
	3-Nitroaniline	99-09-2	ug/L	5	9.7	UJ	9.2	UJ	--	--	9.8	UJ	--	--	9.1	U	--	--	9.7	UJ	9.7	UJ
	4,6-Dinitro-2-methylpheno	534-52-1	ug/L	1	9.7	U	9.2	U	--	--	9.8	U	--	--	9.1	U	--	--	9.7	U	9.7	U
	4-Bromophenyl phenyl ether	101-55-3	ug/L	NA	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U	4.8	U
	4-Chloro-3-methylpheno	59-50-7	ug/L	1	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U	4.8	U
	4-Chloroaniline	106-47-8	ug/L	5	4.8	UJ	4.6	UJ	--	--	4.9	UJ	--	--	4.6	U	--	--	4.8	UJ	4.8	UJ

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		T-37		T-38		T-38 ⁽¹⁾		T-39		T-39 ⁽¹⁾		T-40		T-40 ⁽¹⁾		T-41	
					Sample Date		8/29/2013 16:40		8/29/2013 10:40		1/17/2014 16:55		8/28/2013 16:43		1/17/2014 15:05		8/28/2013 13:22		9/5/2013 10:30		9/16/2013 10:45	
					Sample ID		T-37 (082913)		T-38 (082913)		T-38 (1/17/14)		T-39 (082813)		T-39 (1/17/14)		T-40 (082813)		T-40 (090513)		T-41 (091613)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	4-Chlorophenyl phenyl ether	7005-72-3	ug/L	NA	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	4-Methylphenol	106-44-5	ug/L	1	9.7	U	9.2	U	--	--	9.8	U	--	--	9.1	U	--	--	9.7	U		
	4-Nitroaniline	100-01-6	ug/L	5	9.7	U	9.2	U	--	--	9.8	U	--	--	9.1	U	--	--	9.7	U		
	4-Nitrophenol	100-02-7	ug/L	1	9.7	U	9.2	U	--	--	9.8	U	--	--	9.1	U	--	--	9.7	U		
	Acenaphthene	83-32-9	ug/L	20	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Acenaphthylene	208-96-8	ug/L	NA	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Acetophenone	98-86-2	ug/L	NA	4.8	U	4.6	U	--	--	0.67	J	--	--	4.6	U	--	--	4.8	U		
	Aniline	62-53-3	ug/L	5	9.7	UJ	9.2	UJ	--	--	9.8	UJ	--	--	9.1	UJ	--	--	9.7	U		
	Anthracene	120-12-7	ug/L	50	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Atrazine	1912-24-9	ug/L	7.5	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Benzaldehyde	100-52-7	ug/L	NA	0.28	J	2.1	J	--	--	4.9	UJ	--	--	4.6	U	--	--	4.8	UJ		
	Benzo(a)anthracene	56-55-3	ug/L	0.002	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Benzo(a)pyrene	50-32-8	ug/L	ND	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Benzo(b)fluoranthene	205-99-2	ug/L	0.002	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Benzo(g,h,i)perylene	191-24-2	ug/L	NA	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Benzo(k)fluoranthene	207-08-9	ug/L	0.002	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Benzyl alcoho	100-51-6	ug/L	NA	19	UJ	13	J	--	--	20	UJ	--	--	18	UJ	--	--	19	U		
	Bis(2-chloroethoxy)methane	111-91-1	ug/L	5	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Bis(2-chloroethyl)ether	111-44-4	ug/L	1	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	5	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Butyl benzyl phthalate	85-68-7	ug/L	50	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Caprolactam	105-60-2	ug/L	NA	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.4	J		
	Carbazole	86-74-8	ug/L	NA	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Chrysene	218-01-9	ug/L	0.002	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Dibenz(a,h)anthracene	53-70-3	ug/L	NA	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Dibenzofuran	132-64-9	ug/L	NA	9.7	U	9.2	U	--	--	9.8	U	--	--	9.1	U	--	--	9.7	U		
	Dicyclohexylamine	101-83-7	ug/L	†	9.7	UJ	9.2	UJ	--	--	35	J	--	--	9.1	UJ	--	--	9.7	UJ		
	Diethyl phthalate	84-66-2	ug/L	50	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	1.5	J		
	Dimethyl phthalate	131-11-3	ug/L	50	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Di-n-butyl phthalate	84-74-2	ug/L	50	0.72	J	0.42	J	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Di-n-octyl phthalate	117-84-0	ug/L	50	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Fluoranthene	206-44-0	ug/L	50	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Fluorene	86-73-7	ug/L	50	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Hexachlorobenzene	118-74-1	ug/L	0.04	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Hexachlorobutadiene	87-68-3	ug/L	0.5	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Hexachlorocyclopentadiene	77-47-4	ug/L	5	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	UJ		
	Hexachloroethane	67-72-1	ug/L	5	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Indeno(1,2,3-cd)pyrene	193-39-5	ug/L	0.002	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Isophorone	78-59-1	ug/L	50	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	n,n-Dimethylaniline	121-69-7	ug/L	1	4.8	UJ	4.6	UJ	--	--	4.9	UJ	--	--	4.6	UJ	--	--	4.8	UJ		
	Naphthalene	91-20-3	ug/L	10	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Nitrobenzene	98-95-3	ug/L	0.4	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	N-Nitroso-di-n-propylamine	621-64-7	ug/L	NA	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	N-Nitrosodiphenylamine	86-30-6	ug/L	50	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
	Pentachloropheno	87-86-5	ug/L	1	9.7	U	9.2	U	--	--	9.8	U	--	--	9.1	U	--	--	9.7	U		
	Phenanthrene	85-01-8	ug/L	50	4.8	U	4.6	U	--	--	4.9	U	--	--	0.44	J	--	--	4.8	U		
	Phenol	108-95-2	ug/L	1	4.8	U	0.67	J	--	--	4.9	U	--	--	4.6	U	--	--	1.2	J		

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		T-37		T-38		T-38 ⁽¹⁾		T-39		T-39 ⁽¹⁾		T-40		T-40 ⁽¹⁾		T-41	
					Sample Date		8/29/2013 16:40		8/29/2013 10:40		1/17/2014 16:55		8/28/2013 16:43		1/17/2014 15:05		8/28/2013 13:22		9/5/2013 10:30		9/16/2013 10:45	
					Sample ID		T-37 (082913)		T-38 (082913)		T-38 (1/17/14)		T-39 (082813)		T-39 (1/17/14)		T-40 (082813)		T-40 (090513)		T-41 (091613)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs	Total Phenols	Arc-Tphen	ug/L	1	ND		1.18	J	--	--	ND		--	--	ND		--	--	1.2	J		
Method	Pyrene	129-00-0	ug/L	50	4.8	U	4.6	U	--	--	4.9	U	--	--	4.6	U	--	--	4.8	U		
SW8270C/D	Pyridine	110-86-1	ug/L	50	24	U	23	U	--	--	24	U	--	--	23	U	--	--	24	U		
(Cont.)	Triethylamine	121-44-8	ug/L	NA	4.8	UJ	22	J	--	--	4.9	UJ	--	--	4.6	UJ	--	--	4.8	UJ		
Alcohol	Ethanol	64-17-5	mg/L	†		R	1	U	--	--	1	U	--	--	1	U	--	--	1	U		
Method	Ethylene glyco	107-21-1	mg/L	0.05		R	10	U	--	--	10	U	--	--	10	U	--	--	10	U		
SW8015B/D	Isopropyl alcohol	67-63-0	mg/L	NA		R	1	U	--	--	1	U	--	--	0.24	J	--	--	1	U		
	Methanol	67-56-1	mg/L	NA		R	1	U	--	--	1	U	--	--	0.47	J	--	--	1	U		
	Propylene glycol	57-55-6	mg/L	1	100	U	10	U	--	--	10	U	--	--	10	U	--	--	10	U		

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location Sample Date		T-42 ⁽¹⁾ 8/29/2013 14:10		T-42 ⁽¹⁾ 9/6/2013 13:55	
					Sample ID		T-42 (082913)		T-42 (090613)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C	1,1,1-Trichloroethane	71-55-6	ug/L	5	10	U	--	--	--	--
	1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5	10	U	--	--	--	--
	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/L	5	10	U	--	--	--	--
	1,1,2-Trichloroethane	79-00-5	ug/L	1	10	U	--	--	--	--
	1,1-Dichloroethane	75-34-3	ug/L	5	10	U	--	--	--	--
	1,1-Dichloroethene	75-35-4	ug/L	5	10	U	--	--	--	--
	1,2,3-Trichlorobenzene	87-61-6	ug/L	5	10	U	--	--	--	--
	1,2,4-Trichlorobenzene	120-82-1	ug/L	5	10	U	--	--	--	--
	1,2,4-Trimethylbenzene	95-63-6	ug/L	5	10	U	--	--	--	--
	1,2-Dibromo-3-Chloropropane	96-12-8	ug/L	0.04	10	U	--	--	--	--
	1,2-Dibromoethane	106-93-4	ug/L	0.0006	10	U	--	--	--	--
	1,2-Dichlorobenzene	95-50-1	ug/L	3	10	U	--	--	--	--
	1,2-Dichloroethane	107-06-2	ug/L	0.6	10	U	--	--	--	--
	1,2-Dichloropropane	78-87-5	ug/L	1	10	U	--	--	--	--
	1,3,5-Trimethylbenzene	108-67-8	ug/L	5	10	U	--	--	--	--
	1,3-Dichlorobenzene	541-73-1	ug/L	3	10	U	--	--	--	--
	1,4-Dichlorobenzene	106-46-7	ug/L	3	10	U	--	--	--	--
	1,4-Dioxane	123-91-1	ug/L	NA	400	UJ	--	--	--	--
	2-Butanone	78-93-3	ug/L	50	100	U	--	--	--	--
	2-Hexanone	591-78-6	ug/L	50	50	U	--	--	--	--
	2-Nitropropane	79-46-9	ug/L	NA	50	UJ	--	--	--	--
	4-Methyl-2-pentanone	108-10-1	ug/L	NA	83		--	--	--	--
	Acetone	67-64-1	ug/L	50	3,200		--	--	--	--
	Acetonitrile	75-05-8	ug/L	NA	400	U	--	--	--	--
	Benzene	71-43-2	ug/L	1	10	U	--	--	--	--
	Bromochloromethane	74-97-5	ug/L	5	10	U	--	--	--	--
	Bromodichloromethane	75-27-4	ug/L	50	10	U	--	--	--	--
	Bromoform	75-25-2	ug/L	50	10	UJ	--	--	--	--
	Bromomethane	74-83-9	ug/L	5	10	U	--	--	--	--
	Carbon disulfide	75-15-0	ug/L	60	10	UJ	--	--	--	--
	Carbon tetrachloride	56-23-5	ug/L	5	10	U	--	--	--	--
	Chlorobenzene	108-90-7	ug/L	5	10	U	--	--	--	--
	Chlorodifluoromethane	75-45-6	ug/L	5	10	UJ	--	--	--	--
	Chloroethane	75-00-3	ug/L	5	10	U	--	--	--	--
	Chloroform	67-66-3	ug/L	7	10	U	--	--	--	--
	Chloromethane	74-87-3	ug/L	5	10	U	--	--	--	--
	cis-1,2-Dichloroethene	156-59-2	ug/L	5	10	U	--	--	--	--
	cis-1,3-Dichloropropene	10061-01-5	ug/L	0.4	10	U	--	--	--	--
	Cyclohexane	110-82-7	ug/L	NA	10	U	--	--	--	--
	Cyclohexanone	108-94-1	ug/L	NA		R	--	--	--	--
	Dibromochloromethane	124-48-1	ug/L	50	10	U	--	--	--	--
	Dichlorodifluoromethane	75-71-8	ug/L	5	10	UJ	--	--	--	--
	Diethyl ether	60-29-7	ug/L	NA	10	UJ	--	--	--	--
	Ethyl acetate	141-78-6	ug/L	NA	10	UJ	--	--	--	--
	Ethylbenzene	100-41-4	ug/L	5	10	U	--	--	--	--
	Isobutanol	78-83-1	ug/L	NA	400	UJ	--	--	--	--
	Isopropylbenzene	98-82-8	ug/L	5	10	U	--	--	--	--
	m&p-Xylene	179601-23-1	ug/L	5	20	U	--	--	--	--

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location	T-42 ⁽¹⁾		T-42 ⁽¹⁾	
					Sample Date	8/29/2013 14:10		9/6/2013 13:55	
					Sample ID	T-42 (082913)		T-42 (090613)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value		Result	Qual	Result	Qual
VOCs Method SW8260B/C (Cont.)	Methyl acetate	79-20-9	ug/L	NA		10	U	--	--
	Methyl tert-butyl ether	1634-04-4	ug/L	10		10	U	--	--
	Methylcyclohexane	108-87-2	ug/L	†		2.7	J	--	--
	Methylene Chloride	75-09-2	ug/L	5		6.2	J	--	--
	Naphthalene	91-20-3	ug/L	10		10	U	--	--
	n-Butanol	71-36-3	ug/L	50		400	UJ	--	--
	n-Butylbenzene	104-51-8	ug/L	5		10	U	--	--
	n-Heptane	142-82-5	ug/L	NA		200	UJ	--	--
	n-Hexane	110-54-3	ug/L	NA		100	UJ	--	--
	o-Xylene	95-47-6	ug/L	5		10	U	--	--
	p-Isopropyltoluene	99-87-6	ug/L	5		10	U	--	--
	sec-Butylbenzene	135-98-8	ug/L	5		10	U	--	--
	Styrene	100-42-5	ug/L	5		10	U	--	--
	tert-Butanol	75-65-0	ug/L	NA		200	UJ	--	--
	tert-Butylbenzene	98-06-6	ug/L	5		10	U	--	--
	Tetrachloroethene	127-18-4	ug/L	5		10	U	--	--
	Tetrahydrofuran	109-99-9	ug/L	50		47	J	--	--
	Toluene	108-88-3	ug/L	5		11		--	--
	trans-1,2-Dichloroethene	156-60-5	ug/L	5		10	U	--	--
	trans-1,3-Dichloropropene	10061-02-6	ug/L	0.4		10	U	--	--
	Trichloroethene	79-01-6	ug/L	5		10	U	--	--
	Trichlorofluoromethane	75-69-4	ug/L	5		10	U	--	--
	Vinyl chloride	75-01-4	ug/L	2		10	U	--	--
	Xylenes (total)	1330-20-7	ug/L	5		20	U	--	--
SVOCs Method SW8270C/D	1,1'-Biphenyl	92-52-4	ug/L	5		100	U	--	--
	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/L	5		100	U	--	--
	2,2'-Oxybis(1-Chloropropane)	108-60-1	ug/L	5		100	U	--	--
	2,3,4,6-Tetrachloropheno	58-90-2	ug/L	1		100	UJ	--	--
	2,4,5-Trichloropheno	95-95-4	ug/L	1		100	UJ	--	--
	2,4,6-Trichloropheno	88-06-2	ug/L	1		100	UJ	--	--
	2,4-Dichloropheno	120-83-2	ug/L	1		100	UJ	--	--
	2,4-Dimethylpheno	105-67-9	ug/L	1			R	--	--
	2,4-Dinitropheno	51-28-5	ug/L	1		200	UJ	--	--
	2,4-Dinitrotoluene	121-14-2	ug/L	5		100	U	--	--
	2,6-Dinitrotoluene	606-20-2	ug/L	5		100	UJ	--	--
	2-Chloronaphthalene	91-58-7	ug/L	10		100	U	--	--
	2-Chloropheno	95-57-8	ug/L	1		100	UJ	--	--
	2-Methylnaphthalene	91-57-6	ug/L	NA		100	U	--	--
	2-Methylpheno	95-48-7	ug/L	1		100	UJ	--	--
	2-Nitroaniline	88-74-4	ug/L	5			R	--	--
	2-Nitrophenol	88-75-5	ug/L	1		100	UJ	--	--
	3 & 4 Methylpheno	MEPH3MEPH4	ug/L	1			R	--	--
	3,3'-Dichlorobenzidine	91-94-1	ug/L	5			R	--	--
	3-Nitroaniline	99-09-2	ug/L	5			R	--	--
	4,6-Dinitro-2-methylpheno	534-52-1	ug/L	1		200	UJ	--	--
	4-Bromophenyl phenyl ether	101-55-3	ug/L	NA		100	UJ	--	--
	4-Chloro-3-methylpheno	59-50-7	ug/L	1			R	--	--
	4-Chloroaniline	106-47-8	ug/L	5			R	--	--

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		T-42 ⁽¹⁾	
					Sample Date		8/29/2013 14:10	9/6/2013 13:55
					Sample ID		T-42 (082913)	T-42 (090613)
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual
SVOCs Method SW8270C/D (Cont.)	4-Chlorophenyl phenyl ether	7005-72-3	ug/L	NA	100	U	--	--
	4-Methylphenol	106-44-5	ug/L	1		R	--	--
	4-Nitroaniline	100-01-6	ug/L	5	200	UJ	--	--
	4-Nitrophenol	100-02-7	ug/L	1		R	--	--
	Acenaphthene	83-32-9	ug/L	20	100	UJ	--	--
	Acenaphthylene	208-96-8	ug/L	NA	100	U	--	--
	Acetophenone	98-86-2	ug/L	NA	100	U	--	--
	Aniline	62-53-3	ug/L	5	200	U	--	--
	Anthracene	120-12-7	ug/L	50	100	UJ	--	--
	Atrazine	1912-24-9	ug/L	7.5	100	UJ	--	--
	Benzaldehyde	100-52-7	ug/L	NA	100	UJ	--	--
	Benzo(a)anthracene	56-55-3	ug/L	0.002	100	UJ	--	--
	Benzo(a)pyrene	50-32-8	ug/L	ND	100	UJ	--	--
	Benzo(b)fluoranthene	205-99-2	ug/L	0.002	100	UJ	--	--
	Benzo(g,h,i)perylene	191-24-2	ug/L	NA	100	UJ	--	--
	Benzo(k)fluoranthene	207-08-9	ug/L	0.002	100	UJ	--	--
	Benzyl alcohol	100-51-6	ug/L	NA	400	UJ	--	--
	Bis(2-chloroethoxy)methane	111-91-1	ug/L	5	100	U	--	--
	Bis(2-chloroethyl)ether	111-44-4	ug/L	1	100	U	--	--
	Bis(2-ethylhexyl) phthalate	117-81-7	ug/L	5	100	UJ	--	--
	Butyl benzyl phthalate	85-68-7	ug/L	50	100	UJ	--	--
	Caprolactam	105-60-2	ug/L	NA		R	--	--
	Carbazole	86-74-8	ug/L	NA	100	UJ	--	--
	Chrysene	218-01-9	ug/L	0.002	100	UJ	--	--
	Dibenz(a,h)anthracene	53-70-3	ug/L	NA	100	UJ	--	--
	Dibenzofuran	132-64-9	ug/L	NA	200	U	--	--
	Dicyclohexylamine	101-83-7	ug/L	†	200	UJ	--	--
	Diethyl phthalate	84-66-2	ug/L	50	100	UJ	--	--
	Dimethyl phthalate	131-11-3	ug/L	50	100	UJ	--	--
	Di-n-butyl phthalate	84-74-2	ug/L	50	100	U	--	--
	Di-n-octyl phthalate	117-84-0	ug/L	50	100	UJ	--	--
	Fluoranthene	206-44-0	ug/L	50	100	UJ	--	--
	Fluorene	86-73-7	ug/L	50	100	U	--	--
	Hexachlorobenzene	118-74-1	ug/L	0.04	100	UJ	--	--
	Hexachlorobutadiene	87-68-3	ug/L	0.5	100	U	--	--
	Hexachlorocyclopentadiene	77-47-4	ug/L	5	100	U	--	--
	Hexachloroethane	67-72-1	ug/L	5	100	U	--	--
	Indeno(1,2,3-cd)pyrene	193-39-5	ug/L	0.002	100	UJ	--	--
	Isophorone	78-59-1	ug/L	50	100	U	--	--
	n,n-Dimethylaniline	121-69-7	ug/L	1	100	UJ	--	--
	Naphthalene	91-20-3	ug/L	10	100	U	--	--
	Nitrobenzene	98-95-3	ug/L	0.4	100	UJ	--	--
	N-Nitroso-di-n-propylamine	621-64-7	ug/L	NA	100	U	--	--
	N-Nitrosodiphenylamine	86-30-6	ug/L	50	100	UJ	--	--
	Pentachloropheno	87-86-5	ug/L	1	200	UJ	--	--
	Phenanthrene	85-01-8	ug/L	50	100	UJ	--	--
	Phenol	108-95-2	ug/L	1	100	UJ	--	--

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		T-42 ⁽¹⁾	
					Sample Date		8/29/2013 14:10	
					Sample ID		T-42 (082913)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual
SVOCs	Total Phenols	Arc-Tphen	ug/L	1	ND		--	--
Method	Pyrene	129-00-0	ug/L	50	100	UJ	--	--
SW8270C/D	Pyridine	110-86-1	ug/L	50	500	U	--	--
(Cont.)	Triethylamine	121-44-8	ug/L	NA	100	UJ	--	--
Alcohol	Ethanol	64-17-5	mg/L	†		R	--	--
Method	Ethylene glyco	107-21-1	mg/L	0.05	100	U	--	--
SW8015B/D	Isopropyl alcohol	67-63-0	mg/L	NA	2.4	J	--	--
	Methanol	67-56-1	mg/L	NA		R	--	--
	Propylene glycol	57-55-6	mg/L	1	100	U	--	--

See Notes on Page 61.

Table 2
Groundwater Analytical Results (VOCs, SVOCs)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Notes:

(1) Sample was analyzed for pesticides (SW8081A/B), PCBs (SW8082/A), and metals (SW6010B/C, SW7470A, SW9012A/B, E300.0, E350.1, E353.2). Results are provided on Table 2.1.

(2) Sample was analyzed for purgeables (E624). Results are provided on Table 2.2.

(3) NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values.

(4) Bold Result = Analyte detected in sample.

(5) Gray Shading = Detected result was at or over the Groundwater Standard/Guidance Value.

CAS = Chemical Abstracts Service.

ND = Standard is at the detection limit; any detection exceeds the standard.

NA = Substance not regulated by the Principal Organic Contaminant (POC) Groundwater Standard (TOGS 1.1.1, Table 3).

SVOC = semivolatile organic compound.

VOC = volatile organic compound.

µg/L = micrograms per liter.

† = Not determined to be a POC at this time based on review of TOGS Part 1(B)(2) Steps 1 through 3.

†† = Standard/Guidance value not defined.

-- = Analyte not tested in sample.

Based on the total well depth reported on the groundwater sampling logs, it appears that the well designation and therefore the results for wells BLD 62-1D and BLD 62 1S and wells PAS 1-1 and PAS 1-2 were reversed. As a result, the well location information (top row on the data table) was updated to reflect this information. The Sample ID for each of these samples remains unchanged.

Qualifier Definitions:

U = Analyte not detected at listed reporting detection limit.

J = Estimated value. Result is < the RL but = MDL.

E = Estimated value. Result exceeds calibration range.

B = Analyte was detected in the blank and sample.

N = Presumptive evidence of material.

D = Dilution.

R = Rejected Result.

Table 2.1
Groundwater Analytical Results (TAL Inorganics, Pesticides, PCBs, Ammonia, Sulfate, Nitrate, Nitrite)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date Sample ID					BLD 8A-1				BLD 62-1D		BLD 62-1S		PAN 1-1				PAS 1-1			
					1/16/2014 14:40		1/16/2014 0:00		9/11/2013 14:30		9/11/2013 12:50		9/5/2013 14:40		9/5/2013 0:00		9/6/2013 13:30		9/6/2013 0:00	
					BLD8a-1 (01-16-14)		DUP011614 (01-16-14)		BLD62-1S (9/11/13)		BLD62-1D (9/11/13)		PAN 1-1 (090513)		BMS-DUP-090513		PAS 1-2 (090613)		BMS-DUP-090613	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Pesticides Method SW8081A/B	4,4'-DDD	72-54-8	ug/L	0.3	--	--	--	--	0.049	U	--	--	--	--	--	--	0.046	U	0.049	U
	4,4'-DDE	72-55-9	ug/L	0.2	--	--	--	--	0.049	U	--	--	--	--	--	--	0.046	U	0.049	U
	4,4'-DDT	50-29-3	ug/L	0.2	--	--	--	--	0.049	U	--	--	--	--	--	--	0.027	J	0.03	J
	Aldrin	309-00-2	ug/L	ND	--	--	--	--	0.049	U	--	--	--	--	--	--	0.046	U	0.049	U
	alpha-BHC	319-84-6	ug/L	0.01	--	--	--	--	0.049	U	--	--	--	--	--	--	0.046	U	0.049	U
	alpha-Chlordane	5103-71-9	ug/L	0.05	--	--	--	--	0.049	U	--	--	--	--	--	--	0.046	U	0.049	U
	beta-BHC	319-85-7	ug/L	0.04	--	--	--	--	0.049	U	--	--	--	--	--	--	0.046	U	0.049	U
	delta-BHC	319-86-8	ug/L	0.04	--	--	--	--	0.082	JN	--	--	--	--	--	--	0.046	U	0.049	U
	Dieldrin	60-57-1	ug/L	0.004	--	--	--	--	0.049	U	--	--	--	--	--	--	0.046	U	0.049	U
	Endosulfan I	959-98-8	ug/L	NA	--	--	--	--	0.049	U	--	--	--	--	--	--	0.046	UJ	0.049	U
	Endosulfan II	33213-65-9	ug/L	NA	--	--	--	--	0.049	U	--	--	--	--	--	--	0.046	U	0.049	U
	Endosulfan sulfate	1031-07-8	ug/L	NA	--	--	--	--	0.049	U	--	--	--	--	--	--	0.046	U	0.049	U
	Endrin	72-20-8	ug/L	ND	--	--	--	--	0.049	U	--	--	--	--	--	--	0.046	U	0.049	U
	Endrin aldehyde	7421-93-4	ug/L	5	--	--	--	--	0.049	U	--	--	--	--	--	--	0.046	U	0.049	U
	Endrin ketone	53494-70-5	ug/L	5	--	--	--	--	0.049	U	--	--	--	--	--	--	0.046	U	0.049	U
	gamma-BHC	58-89-9	ug/L	0.05	--	--	--	--	0.0086	J	--	--	--	--	--	--	0.046	U	0.049	U
	gamma-Chlordane	5566-34-7	ug/L	0.05	--	--	--	--	0.049	U	--	--	--	--	--	--	0.046	U	0.049	U
	Heptachlor	76-44-8	ug/L	0.04	--	--	--	--	0.049	U	--	--	--	--	--	--	0.046	U	0.049	U
	Heptachlor epoxide	1024-57-3	ug/L	0.03	--	--	--	--	0.049	U	--	--	--	--	--	--	0.046	U	0.049	U
	Methoxychlor	72-43-5	ug/L	35	--	--	--	--	0.049	U	--	--	--	--	--	--	0.046	U	0.049	UBJ
	Toxaphene	8001-35-2	ug/L	0.06	--	--	--	--	0.49	U	--	--	--	--	--	--	0.46	U	0.49	U
PCBs Method SW8082/A	Aroclor 1016	12674-11-2	ug/L	0.09	--	--	--	--	0.48	U	--	--	--	--	--	--	0.52	U	0.53	U
	Aroclor 1221	11104-28-2	ug/L	0.09	--	--	--	--	0.48	U	--	--	--	--	--	--	0.52	U	0.53	U
	Aroclor 1232	11141-16-5	ug/L	0.09	--	--	--	--	0.48	U	--	--	--	--	--	--	0.52	U	0.53	U
	Aroclor 1242	53469-21-9	ug/L	0.09	--	--	--	--	0.48	U	--	--	--	--	--	--	0.52	U	0.53	U
	Aroclor 1248	12672-29-6	ug/L	0.09	--	--	--	--	0.48	U	--	--	--	--	--	--	0.52	U	0.53	U
	Aroclor 1254	11097-69-1	ug/L	0.09	--	--	--	--	0.48	U	--	--	--	--	--	--	0.52	U	0.53	U
	Aroclor 1260	11096-82-5	ug/L	0.09	--	--	--	--	0.48	U	--	--	--	--	--	--	0.52	U	0.53	U
	Aroclor 1262	37324-23-5	ug/L	0.09	--	--	--	--	0.48	U	--	--	--	--	--	--	0.52	U	0.53	U
	Aroclor 1268	11100-14-4	ug/L	0.09	--	--	--	--	0.48	U	--	--	--	--	--	--	0.52	U	0.53	U
Metals Method SW6010B/C	Aluminum	7429-90-5	mg/L	††	--	--	--	--	3.1		--	--	--	--	--	--	0.25		0.073	J
	Antimony	7440-36-0	mg/L	0.003	--	--	--	--	0.02	U	--	--	--	--	--	--	0.02	U	0.02	U
	Arsenic	7440-38-2	mg/L	0.025	--	--	--	--	0.0091	J	--	--	--	--	--	--	0.0065	J	0.008	J
	Barium	7440-39-3	mg/L	1	--	--	--	--	1.3		--	--	--	--	--	--	0.057		0.055	
	Beryllium	7440-41-7	mg/L	0.003	--	--	--	--	0.002	U	--	--	--	--	--	--	0.002	U	0.002	U
	Cadmium	7440-43-9	mg/L	0.005	--	--	--	--	0.00067	J	--	--	--	--	--	--	0.001	U	0.001	U
	Calcium	7440-70-2	mg/L	††	--	--	--	--	646		--	--	--	--	--	--	223		222	
	Chromium	7440-47-3	mg/L	0.05	--	--	--	--	0.0075		--	--	--	--	--	--	0.0023	J	0.0013	J
	Cobalt	7440-48-4	mg/L	††	--	--	--	--	0.0028	J	--	--	--	--	--	--	0.004	U	0.004	U
	Copper	7440-50-8	mg/L	0.2	--	--	--	--	0.0065	J	--	--	--	--	--	--	0.0021	J	0.01	U
	Iron	7439-89-6	mg/L	0.3	--	--	--	--	12.7		--	--	--	--	--	--	0.58	J	0.21	J
	Lead	7439-92-1	mg/L	0.025	--	--	--	--	0.005	U	--	--	--	--	--	--	0.005	U	0.005	U
	Magnesium	7439-95-4	mg/L	35	--	--	--	--	235		--	--	--	--	--	--	116		113	
	Manganese	7439-96-5	mg/L	0.3	--	--	--	--	0.63		--	--	--	--	--	--	0.12		0.1	
	Molybdenum	7439-98-7	mg/L	††	--	--	--	--	0.012		--	--	--	--	--	--	0.081		0.078	
	Nickel	7440-02-0	mg/L	0.1	--	--	--	--	0.0095	J	--	--	--	--	--	--	0.0041	J	0.0019	J
	Potassium	9/7/7440	mg/L	††	--	--	--	--	48.9		--	--	--	--	--	--	51.8		48	

See Notes on Page 9.

Table 2.1
Groundwater Analytical Results (TAL Inorganics, Pesticides, PCBs, Ammonia, Sulfate, Nitrate, Nitrite)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date Sample ID					BLD 8A-1				BLD 62-1D		BLD 62-1S		PAN 1-1				PAS 1-1			
					1/16/2014 14:40		1/16/2014 0:00		9/11/2013 14:30		9/11/2013 12:50		9/5/2013 14:40		9/5/2013 0:00		9/6/2013 13:30		9/6/2013 0:00	
					BLD8a-1 (01-16-14)		DUP011614 (01-16-14)		BLD62-1S (9/11/13)		BLD62-1D (9/11/13)		PAN 1-1 (090513)		BMS-DUP-090513		PAS 1-2 (090613)		BMS-DUP-090613	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Metals Method SW6010B/C (Cont.)	Selenium	7782-49-2	mg/L	0.01	--	--	--	--	0.015	U	--	--	--	--	--	--	0.015	U	0.015	U
	Silver	7440-22-4	mg/L	0.05	--	--	--	--	0.003	U	--	--	--	--	--	--	0.003	U	0.003	U
	Sodium	7440-23-5	mg/L	20	--	--	--	--	83.6		--	--	--	--	--	--	33.5		32.4	
	Thallium	7440-28-0	mg/L	0.0005	--	--	--	--	0.02	U	--	--	--	--	--	--	0.02	U	0.02	U
	Vanadium	7440-62-2	mg/L	††	--	--	--	--	0.0045	J	--	--	--	--	--	--	0.0022	J	0.0018	J
	Zinc	7440-66-6	mg/L	2	--	--	--	--	0.02		--	--	--	--	--	--	0.0033	J	0.0018	J
SW7470A	Mercury	7439-97-6	mg/L	0.0007	--	--	--	--	0.0002	U	--	--	--	--	--	--	0.0002	U	0.0002	U
SW9012A/B	Cyanide	57-12-5	mg/L	0.2	--	--	--	--	0.01	U	--	--	--	--	--	--	0.01	U	0.01	U
E300.0	Sulfate	14808-79-8	mg/L	250	--	--	--	--	--	--	1,760		229		241		--	--	--	--
E350.1	Ammonia, Nitrogen	7664-41-7	mg/L	2	1.2		1	J	--	--	0.34		0.034		0.046		--	--	--	--
E353.2	Nitrate	14797-55-8	mg/L	10	--	--	--	--	--	--	0.05	U	0.03	J	0.033	J	--	--	--	--
	Nitrite	14797-65-0	mg/L	1	--	--	--	--	--	--	0.05	U	0.05	U	0.05	U	--	--	--	--

See Notes on Page 9.

Table 2.1
Groundwater Analytical Results (TAL Inorganics, Pesticides, PCBs, Ammonia, Sulfate, Nitrate, Nitrite)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date Sample ID TOGS 1.1.1 Groundwater Standard/ Guidance Value					SR-3		SR-4		T-5S		T-7		T-10		T-16		T-17		T-18	
					9/13/2013 15:35		9/13/2013 11:15		9/23/2013 11:15		9/25/2013 11:50		1/16/2014 16:15		10/2/2013 16:15		9/30/2013 15:15		9/30/2013 11:40	
					SR-3 (91313)		SR-4 (91313)		T-5S (092313)		T-7 (092513)		T-10 (01-16-14)		T-16 (100213)		T-17 (093013)		T-18 (093013)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Pesticides Method SW8081A/B	4,4'-DDD	72-54-8	ug/L	0.3	0.05	U	--	--	0.23	U	0.046	U	--	--	--	--	0.046	U	--	--
	4,4'-DDE	72-55-9	ug/L	0.2	0.05	U	--	--	0.33		0.046	U	--	--	--	--	0.046	U	--	--
	4,4'-DDT	50-29-3	ug/L	0.2	0.05	U	--	--	0.23	UB	0.046	U	--	--	--	--	0.015	J	--	--
	Aldrin	309-00-2	ug/L	ND	0.05	U	--	--	0.24		0.046	U	--	--	--	--	0.046	U	--	--
	alpha-BHC	319-84-6	ug/L	0.01	0.05	U	--	--	0.23	U	0.046	U	--	--	--	--	0.046	U	--	--
	alpha-Chlordane	5103-71-9	ug/L	0.05	0.05	U	--	--	0.23	U	0.046	U	--	--	--	--	0.046	U	--	--
	beta-BHC	319-85-7	ug/L	0.04	0.05	U	--	--	0.34		0.046	U	--	--	--	--	0.046	U	--	--
	delta-BHC	319-86-8	ug/L	0.04	0.05	UB	--	--	0.17	J	0.046	U	--	--	--	--	0.046	U	--	--
	Dieldrin	60-57-1	ug/L	0.004	0.05	U	--	--	0.096	J	0.046	U	--	--	--	--	0.046	U	--	--
	Endosulfan I	959-98-8	ug/L	NA	0.05	U	--	--	0.23	U	0.046	U	--	--	--	--	0.046	U	--	--
	Endosulfan II	33213-65-9	ug/L	NA	0.05	U	--	--	0.18	J	0.046	U	--	--	--	--	0.046	U	--	--
	Endosulfan sulfate	1031-07-8	ug/L	NA	0.05	U	--	--	0.23	U	0.046	U	--	--	--	--	0.046	U	--	--
	Endrin	72-20-8	ug/L	ND	0.05	U	--	--	0.23	U	0.046	U	--	--	--	--	0.046	U	--	--
	Endrin aldehyde	7421-93-4	ug/L	5	0.05	U	--	--	0.12	J	0.046	U	--	--	--	--	0.046	U	--	--
	Endrin ketone	53494-70-5	ug/L	5	0.05	U	--	--	0.23	U	0.046	U	--	--	--	--	0.046	U	--	--
	gamma-BHC	58-89-9	ug/L	0.05	0.0066	J	--	--	2.8		0.046	U	--	--	--	--	0.046	UB	--	--
	gamma-Chlordane	5566-34-7	ug/L	0.05	0.05	UJN	--	--	0.23	U	0.046	U	--	--	--	--	0.046	U	--	--
	Heptachlor	76-44-8	ug/L	0.04	0.05	U	--	--	0.18	J	0.046	U	--	--	--	--	0.046	U	--	--
	Heptachlor epoxide	1024-57-3	ug/L	0.03	0.05	U	--	--	0.23	U	0.046	U	--	--	--	--	0.046	U	--	--
	Methoxychlor	72-43-5	ug/L	35	0.05	U	--	--	0.067	J	0.046	U	--	--	--	--	0.046	U	--	--
	Toxaphene	8001-35-2	ug/L	0.06	0.5	U	--	--	2.3	U	0.46	U	--	--	--	--	0.46	U	--	--
PCBs Method SW8082/A	Aroclor 1016	12674-11-2	ug/L	0.09	0.51	U	--	--	0.45	U	0.46	U	--	--	--	--	0.5	U	--	--
	Aroclor 1221	11104-28-2	ug/L	0.09	0.51	U	--	--	0.45	U	0.46	U	--	--	--	--	0.5	U	--	--
	Aroclor 1232	11141-16-5	ug/L	0.09	0.51	U	--	--	0.45	U	0.46	U	--	--	--	--	0.5	U	--	--
	Aroclor 1242	53469-21-9	ug/L	0.09	0.51	U	--	--	0.45	U	0.46	U	--	--	--	--	0.5	U	--	--
	Aroclor 1248	12672-29-6	ug/L	0.09	0.51	U	--	--	0.45	U	0.46	U	--	--	--	--	0.5	U	--	--
	Aroclor 1254	11097-69-1	ug/L	0.09	0.51	U	--	--	0.45	U	0.46	U	--	--	--	--	0.5	U	--	--
	Aroclor 1260	11096-82-5	ug/L	0.09	0.51	U	--	--	0.45	U	0.46	U	--	--	--	--	0.5	U	--	--
	Aroclor 1262	37324-23-5	ug/L	0.09	0.51	U	--	--	0.45	U	0.46	U	--	--	--	--	0.5	U	--	--
	Aroclor 1268	11100-14-4	ug/L	0.09	0.51	U	--	--	0.45	U	0.46	U	--	--	--	--	0.5	U	--	--
Metals Method SW6010B/C	Aluminum	7429-90-5	mg/L	††	5.3		--	--	0.2	U	0.085	J	--	--	--	--	8.3		--	--
	Antimony	7440-36-0	mg/L	0.003	0.02	U	--	--	0.022		0.02	U	--	--	--	--	0.02	U	--	--
	Arsenic	7440-38-2	mg/L	0.025	0.031		--	--	0.12		0.01	U	--	--	--	--	0.011		--	--
	Barium	7440-39-3	mg/L	1	0.3		--	--	0.098		0.1		--	--	--	--	0.15		--	--
	Beryllium	7440-41-7	mg/L	0.003	0.002	U	--	--	0.002	U	0.002	U	--	--	--	--	0.00035	J	--	--
	Cadmium	7440-43-9	mg/L	0.005	0.001	U	--	--	0.00051	J	0.001	U	--	--	--	--	0.001	U	--	--
	Calcium	7440-70-2	mg/L	††	136		--	--	1,200		199		--	--	--	--	139		--	--
	Chromium	7440-47-3	mg/L	0.05	0.0081		--	--	0.0017	J	0.004	U	--	--	--	--	0.012		--	--
	Cobalt	7440-48-4	mg/L	††	0.0037	J	--	--	0.0065		0.0041		--	--	--	--	0.0048		--	--
	Copper	7440-50-8	mg/L	0.2	0.019		--	--	0.016		0.01	U	--	--	--	--	0.012		--	--
	Iron	7439-89-6	mg/L	0.3	14.6		--	--	7.8		0.42		--	--	--	--	12.2		--	--
	Lead	7439-92-1	mg/L	0.025	0.0052		--	--	0.005	U	0.005	U	--	--	--	--	0.005	U	--	--
	Magnesium	7439-95-4	mg/L	35	33		--	--	553		51.1		--	--	--	--	125		--	--
	Manganese	7439-96-5	mg/L	0.3	0.52		--	--	0.88		0.31		--	--	--	--	0.48	B	--	--
	Molybdenum	7439-98-7	mg/L	††	0.005	J	--	--	0.04		0.052		--	--	--	--	0.0089	J	--	--
	Nickel	7440-02-0	mg/L	0.1	0.0072	J	--	--	0.13		0.009	J	--	--	--	--	0.079		--	--
	Potassium	977/7440	mg/L	††	4.6		--	--	178		105		--	--	--	--	5.6		--	--

See Notes on Page 9.

Table 2.1
Groundwater Analytical Results (TAL Inorganics, Pesticides, PCBs, Ammonia, Sulfate, Nitrate, Nitrite)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date Sample ID					SR-3		SR-4		T-5S		T-7		T-10		T-16		T-17		T-18	
					9/13/2013 15:35		9/13/2013 11:15		9/23/2013 11:15		9/25/2013 11:50		1/16/2014 16:15		10/2/2013 16:15		9/30/2013 15:15		9/30/2013 11:40	
					SR-3 (91313)		SR-4 (91313)		T-5S (092313)		T-7 (092513)		T-10 (01-16-14)		T-16 (100213)		T-17 (093013)		T-18 (093013)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Metals Method SW6010B/C (Cont.)	Selenium	7782-49-2	mg/L	0.01	0.015	U	--	--	0.015	U	0.015	U	--	--	--	--	0.015	U	--	--
	Silver	7440-22-4	mg/L	0.05	0.003	U	--	--	0.003	U	0.003	U	--	--	--	--	0.003	U	--	--
	Sodium	7440-23-5	mg/L	20	113		--	--	1,090		481		--	--	--	--	50.4	B	--	--
	Thallium	7440-28-0	mg/L	0.0005	0.02	U	--	--	0.02	U	0.02	U	--	--	--	--	0.02	U	--	--
	Vanadium	7440-62-2	mg/L	††	0.0096		--	--	0.005	U	0.005	U	--	--	--	--	0.013		--	--
	Zinc	7440-66-6	mg/L	2	0.022		--	--	0.021		0.0019	J	--	--	--	--	0.023		--	--
SW7470A	Mercury	7439-97-6	mg/L	0.0007	0.0002	U	--	--	0.0002	U	0.0002	U	--	--	--	--	0.0002	U	--	--
SW9012A/B	Cyanide	57-12-5	mg/L	0.2	0.01	U	--	--	0.01	U	0.01	U	--	--	--	--	0.01	U	--	--
E300.0	Sulfate	14808-79-8	mg/L	250	--	--	180		1,290		731		--	--	1,470		--	--	712	
E350.1	Ammonia, Nitrogen	7664-41-7	mg/L	2	--	--	1.1		2.7		0.31		1.9	J	45.7		--	--	1.7	
E353.2	Nitrate	14797-55-8	mg/L	10	--	--	0.05	U	0.18		0.05	U	--	--	0.05	U	--	--	0.02	J
	Nitrite	14797-65-0	mg/L	1	--	--	0.05	U	0.05	U	0.05	U	--	--	0.05	U	--	--	0.05	U

See Notes on Page 9.

Table 2.1
Groundwater Analytical Results (TAL Inorganics, Pesticides, PCBs, Ammonia, Sulfate, Nitrate, Nitrite)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date Sample ID					T-23S		T-23S		T-24		T-25		T-30		T-31		T-35		T-36	
					10/3/2013 16:40		10/4/2013 9:40		1/17/2014 13:15		1/17/2014 12:00		1/17/2014 9:55		1/17/2014 11:00		9/10/2013 16:10		9/9/2013 14:55	
					T-23S (100313)		T-23S (100413)		T-24 (1/17/14)		T-25 (1/17/14)		T-30 (1/17/14)		T-31 (1/17/14)		T-35 (091013)		T-36 (090913)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Pesticides Method SW8081A/B	4,4'-DDD	72-54-8	ug/L	0.3	0.05	U	--	--	--	--	--	--	--	--	--	--	--	--	0.048	U
	4,4'-DDE	72-55-9	ug/L	0.2	0.05	U	--	--	--	--	--	--	--	--	--	--	--	--	0.048	U
	4,4'-DDT	50-29-3	ug/L	0.2	0.05	U	--	--	--	--	--	--	--	--	--	--	--	--	0.049	JN
	Aldrin	309-00-2	ug/L	ND	0.05	U	--	--	--	--	--	--	--	--	--	--	--	--	0.017	J
	alpha-BHC	319-84-6	ug/L	0.01	0.05	UB	--	--	--	--	--	--	--	--	--	--	--	--	0.075	JN
	alpha-Chlordane	5103-71-9	ug/L	0.05	0.05	U	--	--	--	--	--	--	--	--	--	--	--	--	0.048	U
	beta-BHC	319-85-7	ug/L	0.04	0.05	U	--	--	--	--	--	--	--	--	--	--	--	--	0.11	--
	delta-BHC	319-86-8	ug/L	0.04	0.05	U	--	--	--	--	--	--	--	--	--	--	--	--	0.048	U
	Dieldrin	60-57-1	ug/L	0.004	0.05	U	--	--	--	--	--	--	--	--	--	--	--	--	0.048	U
	Endosulfan I	959-98-8	ug/L	NA	0.05	U	--	--	--	--	--	--	--	--	--	--	--	--	0.049	--
	Endosulfan II	33213-65-9	ug/L	NA	0.05	U	--	--	--	--	--	--	--	--	--	--	--	--	0.048	U
	Endosulfan sulfate	1031-07-8	ug/L	NA	0.05	U	--	--	--	--	--	--	--	--	--	--	--	--	0.048	U
	Endrin	72-20-8	ug/L	ND	0.05	U	--	--	--	--	--	--	--	--	--	--	--	--	0.048	U
	Endrin aldehyde	7421-93-4	ug/L	5	0.05	U	--	--	--	--	--	--	--	--	--	--	--	--	0.048	U
	Endrin ketone	53494-70-5	ug/L	5	0.05	U	--	--	--	--	--	--	--	--	--	--	--	--	0.22	--
	gamma-BHC	58-89-9	ug/L	0.05	0.05	U	--	--	--	--	--	--	--	--	--	--	--	--	0.028	J
	gamma-Chlordane	5566-34-7	ug/L	0.05	0.015	J	--	--	--	--	--	--	--	--	--	--	--	--	0.048	U
	Heptachlor	76-44-8	ug/L	0.04	0.05	U	--	--	--	--	--	--	--	--	--	--	--	--	0.048	U
	Heptachlor epoxide	1024-57-3	ug/L	0.03	0.05	U	--	--	--	--	--	--	--	--	--	--	--	--	0.048	U
	Methoxychlor	72-43-5	ug/L	35	0.05	U	--	--	--	--	--	--	--	--	--	--	--	--	0.048	UBJ
	Toxaphene	8001-35-2	ug/L	0.06	0.5	U	--	--	--	--	--	--	--	--	--	--	--	--	0.48	U
PCBs Method SW8082/A	Aroclor 1016	12674-11-2	ug/L	0.09	--	--	0.5	U	--	--	--	--	--	--	--	--	--	--	0.48	U
	Aroclor 1221	11104-28-2	ug/L	0.09	--	--	0.5	U	--	--	--	--	--	--	--	--	--	--	0.48	U
	Aroclor 1232	11141-16-5	ug/L	0.09	--	--	0.5	U	--	--	--	--	--	--	--	--	--	--	0.48	U
	Aroclor 1242	53469-21-9	ug/L	0.09	--	--	0.5	U	--	--	--	--	--	--	--	--	--	--	0.48	U
	Aroclor 1248	12672-29-6	ug/L	0.09	--	--	0.5	U	--	--	--	--	--	--	--	--	--	--	0.48	U
	Aroclor 1254	11097-69-1	ug/L	0.09	--	--	0.5	U	--	--	--	--	--	--	--	--	--	--	0.48	U
	Aroclor 1260	11096-82-5	ug/L	0.09	--	--	0.5	U	--	--	--	--	--	--	--	--	--	--	0.48	U
	Aroclor 1262	37324-23-5	ug/L	0.09	--	--	0.5	U	--	--	--	--	--	--	--	--	--	--	0.48	U
	Aroclor 1268	11100-14-4	ug/L	0.09	--	--	0.5	U	--	--	--	--	--	--	--	--	--	--	0.48	U
Metals Method SW6010B/C	Aluminum	7429-90-5	mg/L	††	702	--	--	--	--	--	--	--	--	--	--	--	--	--	3.8	--
	Antimony	7440-36-0	mg/L	0.003	0.04	U	--	--	--	--	--	--	--	--	--	--	--	--	0.02	U
	Arsenic	7440-38-2	mg/L	0.025	0.21	--	--	--	--	--	--	--	--	--	--	--	--	--	0.025	--
	Barium	7440-39-3	mg/L	1	3.6	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5	--
	Beryllium	7440-41-7	mg/L	0.003	0.025	--	--	--	--	--	--	--	--	--	--	--	--	--	0.002	U
	Cadmium	7440-43-9	mg/L	0.005	0.0036	--	--	--	--	--	--	--	--	--	--	--	--	--	0.00054	J
	Calcium	7440-70-2	mg/L	††	3,610	--	--	--	--	--	--	--	--	--	--	--	--	--	437	--
	Chromium	7440-47-3	mg/L	0.05	1.6	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01	--
	Cobalt	7440-48-4	mg/L	††	0.45	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0029	J
	Copper	7440-50-8	mg/L	0.2	0.87	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01	--
	Iron	7439-89-6	mg/L	0.3	846	--	--	--	--	--	--	--	--	--	--	--	--	--	20.5	--
	Lead	7439-92-1	mg/L	0.025	0.28	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0093	--
	Magnesium	7439-95-4	mg/L	35	1,610	--	--	--	--	--	--	--	--	--	--	--	--	--	255	--
	Manganese	7439-96-5	mg/L	0.3	16.7	--	--	--	--	--	--	--	--	--	--	--	--	--	0.72	--
	Molybdenum	7439-98-7	mg/L	††	0.072	--	--	--	--	--	--	--	--	--	--	--	--	--	0.021	--
	Nickel	7440-02-0	mg/L	0.1	1.1	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0079	J
	Potassium	977/7440	mg/L	††	258	--	--	--	--	--	--	--	--	--	--	--	--	--	62.6	--

See Notes on Page 9.

Table 2.1
Groundwater Analytical Results (TAL Inorganics, Pesticides, PCBs, Ammonia, Sulfate, Nitrate, Nitrite)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date Sample ID					T-23S		T-23S		T-24		T-25		T-30		T-31		T-35		T-36	
					10/3/2013 16:40		10/4/2013 9:40		1/17/2014 13:15		1/17/2014 12:00		1/17/2014 9:55		1/17/2014 11:00		9/10/2013 16:10		9/9/2013 14:55	
					T-23S (100313)		T-23S (100413)		T-24 (1/17/14)		T-25 (1/17/14)		T-30 (1/17/14)		T-31 (1/17/14)		T-35 (091013)		T-36 (090913)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Metals Method SW6010B/C (Cont.)	Selenium	7782-49-2	mg/L	0.01	0.03	U	--	--	--	--	--	--	--	--	--	--	--	--	0.015	U
	Silver	7440-22-4	mg/L	0.05	0.006	U	--	--	--	--	--	--	--	--	--	--	--	--	0.003	U
	Sodium	7440-23-5	mg/L	20	170		--	--	--	--	--	--	--	--	--	--	--	--	133	
	Thallium	7440-28-0	mg/L	0.0005	0.04	U	--	--	--	--	--	--	--	--	--	--	--	--	0.02	U
	Vanadium	7440-62-2	mg/L	††	0.83		--	--	--	--	--	--	--	--	--	--	--	--	0.0067	
	Zinc	7440-66-6	mg/L	2	1.4		--	--	--	--	--	--	--	--	--	--	--	--	0.017	
SW7470A	Mercury	7439-97-6	mg/L	0.0007	0.0011		--	--	--	--	--	--	--	--	--	--	--	--	0.0002	U
SW9012A/B	Cyanide	57-12-5	mg/L	0.2	0.01	U	--	--	--	--	--	--	--	--	--	--	--	--	0.0085	J
E300.0	Sulfate	14808-79-8	mg/L	250	--	--	--	--	--	--	--	--	--	--	--	--	128		--	--
E350.1	Ammonia, Nitrogen	7664-41-7	mg/L	2	--	--	--	--	8.8	J	0.28	J	0.19	J	3.4	J	0.71		--	--
E353.2	Nitrate	14797-55-8	mg/L	10	--	--	--	--	--	--	--	--	--	--	--	--	0.05	U	--	--
	Nitrite	14797-65-0	mg/L	1	--	--	--	--	--	--	--	--	--	--	--	--	0.05	U	--	--

See Notes on Page 9.

Table 2.1
Groundwater Analytical Results (TAL Inorganics, Pesticides, PCBs, Ammonia, Sulfate, Nitrate, Nitrite)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		T-38		T-39		T-40		T-42		T-42	
					Sample Date		1/17/2014 16:55		1/17/2014 15:05		9/5/2013 10:30		8/29/2013 14:10		9/6/2013 13:55	
					Sample ID		T-38 (1/17/14)		T-39 (1/17/14)		T-40 (090513)		T-42 (082913)		T-42 (090613)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Pesticides Method SW8081A/B	4,4'-DDD	72-54-8	ug/L	0.3	--	--	--	--	0.046	U	0.52	UJ	--	--	--	--
	4,4'-DDE	72-55-9	ug/L	0.2	--	--	--	--	0.046	U	0.52	UJ	--	--	--	--
	4,4'-DDT	50-29-3	ug/L	0.2	--	--	--	--	0.046	U	0.52	UJ	--	--	--	--
	Aldrin	309-00-2	ug/L	ND	--	--	--	--	0.046	U	0.52	UJ	--	--	--	--
	alpha-BHC	319-84-6	ug/L	0.01	--	--	--	--	0.046	UJ	0.52	UJ	--	--	--	--
	alpha-Chlordane	5103-71-9	ug/L	0.05	--	--	--	--	0.046	U	0.52	UJ	--	--	--	--
	beta-BHC	319-85-7	ug/L	0.04	--	--	--	--	0.046	U	0.52	UJ	--	--	--	--
	delta-BHC	319-86-8	ug/L	0.04	--	--	--	--	0.046	UJ	0.52	UJ	--	--	--	--
	Dieldrin	60-57-1	ug/L	0.004	--	--	--	--	0.046	U	0.52	UJ	--	--	--	--
	Endosulfan I	959-98-8	ug/L	NA	--	--	--	--	0.046	U	0.52	UJ	--	--	--	--
	Endosulfan II	33213-65-9	ug/L	NA	--	--	--	--	0.046	U	0.52	UJ	--	--	--	--
	Endosulfan sulfate	1031-07-8	ug/L	NA	--	--	--	--	0.046	U	0.52	UJ	--	--	--	--
	Endrin	72-20-8	ug/L	ND	--	--	--	--	0.046	U	0.52	UJ	--	--	--	--
	Endrin aldehyde	7421-93-4	ug/L	5	--	--	--	--	0.046	UBJ	0.52	UJ	--	--	--	--
	Endrin ketone	53494-70-5	ug/L	5	--	--	--	--	0.046	U	0.52	UJ	--	--	--	--
	gamma-BHC	58-89-9	ug/L	0.05	--	--	--	--	0.046	UJ	0.34	J	--	--	--	--
	gamma-Chlordane	5566-34-7	ug/L	0.05	--	--	--	--	0.046	U	0.52	UJ	--	--	--	--
	Heptachlor	76-44-8	ug/L	0.04	--	--	--	--	0.046	U	0.52	UJ	--	--	--	--
	Heptachlor epoxide	1024-57-3	ug/L	0.03	--	--	--	--	0.046	U	0.52	UJ	--	--	--	--
	Methoxychlor	72-43-5	ug/L	35	--	--	--	--	0.046	U	0.52	UJ	--	--	--	--
	Toxaphene	8001-35-2	ug/L	0.06	--	--	--	--	0.46	U	5.2	UJ	--	--	--	--
PCBs Method SW8082/A	Aroclor 1016	12674-11-2	ug/L	0.09	--	--	--	--	0.53	U	0.48	U	--	--	--	--
	Aroclor 1221	11104-28-2	ug/L	0.09	--	--	--	--	0.53	U	0.48	U	--	--	--	--
	Aroclor 1232	11141-16-5	ug/L	0.09	--	--	--	--	0.53	U	0.48	U	--	--	--	--
	Aroclor 1242	53469-21-9	ug/L	0.09	--	--	--	--	0.53	U	0.48	U	--	--	--	--
	Aroclor 1248	12672-29-6	ug/L	0.09	--	--	--	--	0.53	U	0.48	U	--	--	--	--
	Aroclor 1254	11097-69-1	ug/L	0.09	--	--	--	--	0.53	U	0.48	U	--	--	--	--
	Aroclor 1260	11096-82-5	ug/L	0.09	--	--	--	--	0.53	U	0.48	U	--	--	--	--
	Aroclor 1262	37324-23-5	ug/L	0.09	--	--	--	--	0.53	U	0.48	U	--	--	--	--
	Aroclor 1268	11100-14-4	ug/L	0.09	--	--	--	--	0.53	U	0.48	U	--	--	--	--
Metals Method SW6010B/C	Aluminum	7429-90-5	mg/L	††	--	--	--	--	0.11	J	0.098	J	--	--	--	--
	Antimony	7440-36-0	mg/L	0.003	--	--	--	--	0.02	U	0.02	U	--	--	--	--
	Arsenic	7440-38-2	mg/L	0.025	--	--	--	--	0.01	U	0.04		--	--	--	--
	Barium	7440-39-3	mg/L	1	--	--	--	--	0.12		0.15		--	--	--	--
	Beryllium	7440-41-7	mg/L	0.003	--	--	--	--	0.002	U	0.002	U	--	--	--	--
	Cadmium	7440-43-9	mg/L	0.005	--	--	--	--	0.001	U	0.001	U	--	--	--	--
	Calcium	7440-70-2	mg/L	††	--	--	--	--	119		54.2		--	--	--	--
	Chromium	7440-47-3	mg/L	0.05	--	--	--	--	0.004	U	0.004	U	--	--	--	--
	Cobalt	7440-48-4	mg/L	††	--	--	--	--	0.0023	J	0.004	U	--	--	--	--
	Copper	7440-50-8	mg/L	0.2	--	--	--	--	0.0029	J	0.01	U	--	--	--	--
	Iron	7439-89-6	mg/L	0.3	--	--	--	--	0.087		10		--	--	--	--
	Lead	7439-92-1	mg/L	0.025	--	--	--	--	0.0047	J	0.005	U	--	--	--	--
	Magnesium	7439-95-4	mg/L	35	--	--	--	--	73.9		11.6		--	--	--	--
	Manganese	7439-96-5	mg/L	0.3	--	--	--	--	0.36		0.095		--	--	--	--
	Molybdenum	7439-98-7	mg/L	††	--	--	--	--	0.026		0.023		--	--	--	--
	Nickel	7440-02-0	mg/L	0.1	--	--	--	--	0.0018	J	0.0021	J	--	--	--	--
	Potassium	9777440	mg/L	††	--	--	--	--	43.5		18.2		--	--	--	--

See Notes on Page 9.

Table 2.1
Groundwater Analytical Results (TAL Inorganics, Pesticides, PCBs, Ammonia, Sulfate, Nitrate, Nitrite)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location		T-38		T-39		T-40		T-42		T-42	
					Sample Date		1/17/2014 16:55		1/17/2014 15:05		9/5/2013 10:30		8/29/2013 14:10		9/6/2013 13:55	
					Sample ID		T-38 (1/17/14)		T-39 (1/17/14)		T-40 (090513)		T-42 (082913)		T-42 (090613)	
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Metals Method SW6010B/C (Cont.)	Selenium	7782-49-2	mg/L	0.01	--	--	--	--	0.015	U	0.015	U	--	--	--	--
	Silver	7440-22-4	mg/L	0.05	--	--	--	--	0.003	U	0.003	U	--	--	--	--
	Sodium	7440-23-5	mg/L	20	--	--	--	--	548		160		--	--	--	--
	Thallium	7440-28-0	mg/L	0.0005	--	--	--	--	0.02	U	0.02	U	--	--	--	--
	Vanadium	7440-62-2	mg/L	††	--	--	--	--	0.0035	J	0.002	J	--	--	--	--
	Zinc	7440-66-6	mg/L	2	--	--	--	--	0.01	U	0.0024	J	--	--	--	--
SW7470A	Mercury	7439-97-6	mg/L	0.0007	--	--	--	--	0.0002	U	0.0002	U	--	--	--	--
SW9012A/B	Cyanide	57-12-5	mg/L	0.2	--	--	--	--	0.01	U	0.01	U	--	--	--	--
E300.0	Sulfate	14808-79-8	mg/L	250	--	--	--	--	457		--	--	592			
E350.1	Ammonia, Nitrogen	7664-41-7	mg/L	2	8.1	J	0.59	J	0.16		--	--	234			
E353.2	Nitrate	14797-55-8	mg/L	10	--	--	--	--	4.2		--	--	14.3			
	Nitrite	14797-65-0	mg/L	1	--	--	--	--	0.089		--	--	8.7			

See Notes on Page 9.

Table 2.1
Groundwater Analytical Results (TAL Inorganics, Pesticides, PCBs, Ammonia, Sulfate, Nitrate, Nitrite)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Notes:

NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values.

Bold result = Analyte detected in sample.

Gray shading = Detected result was at or over the Groundwater Standard/Guidance Value.

* = CHP43RX and T-1 groundwater sampling results for VOCs (SW8260B/C) qualified as being biased low.

µg/L = micrograms per liter.

mg/L = milligrams per liter.

NA = Substance not regulated by the Principal Organic Contaminant (POC) Groundwater Standard (TOGS 1.1.1, Table 3).

ND = Standard is at the detection limit; any detection exceeds the standard.

PCB = polychlorinated biphenyl.

†† = Standard/guidance value not defined.

-- = Analyte not tested in sample.

Based on the total well depth reported on the groundwater sampling logs, it appears that the well designation and therefore the results for wells BLD 62-1D and BLD 62 1S and wells PAS 1-1 and PAS 1-2 were reversed. As a result, the well location information (top row on the data table) was updated to reflect this information. The Sample ID for each of these samples remains unchanged.

Qualifier Definitions:

U = Analyte not detected at listed reporting detection limit.

J = Estimated value. Result is < the RL but = MDL.

E = Estimated value. Result exceeds calibration range.

B = Analyte was detected in the blank and sample.

N = Presumptive evidence of material.

D = Dilution.

R = Rejected Result.

J N = Result is an estimated value and the analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.

Table 2.2
Groundwater Analytical Results (Purgeables)

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

					Location	T-34			
					Sample Date	9/10/2013 14:20		9/10/2013 14:20	
						Sample ID	T-34 (091013)		BMS-DUP-091013
Method	Analyte	CAS	Units	TOGS 1.1.1 Groundwater Standard/ Guidance Value	Result	Qual	Result	Qual	
Purgeables Method E624	1,1,1-Trichloroethane	71-55-6	ug/L	5	5	U	5	U	
	1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5	5	U	5	U	
	1,1,2-Trichloroethane	79-00-5	ug/L	1	5	U	5	U	
	1,1-Dichloroethane	75-34-3	ug/L	5	5	U	5	U	
	1,1-Dichloroethene	75-35-4	ug/L	5	5	U	5	U	
	1,2-Dichlorobenzene	95-50-1	ug/L	3	5	U	5	U	
	1,2-Dichloroethane	107-06-2	ug/L	0.6	5	U	5	U	
	1,2-Dichloroethene (total)	540-59-0	ug/L	5	10	U	10	U	
	1,2-Dichloropropane	78-87-5	ug/L	1	5	U	5	U	
	1,3-Dichlorobenzene	541-73-1	ug/L	3	5	U	5	U	
	1,4-Dichlorobenzene	106-46-7	ug/L	3	5	U	5	U	
	2-Chloroethylvinyl Ether	110-75-8	ug/L	NA	25	U	25	U	
	Acrolein	107-02-8	ug/L	5	100	U	100	U	
	Acrylonitrile	107-13-1	ug/L	5	25	U	25	U	
	Benzene	71-43-2	ug/L	1	1.2	J	1.2	J	
	Bromodichloromethane	75-27-4	ug/L	50	5	U	5	U	
	Bromoform	75-25-2	ug/L	50	5	U	5	U	
	Bromomethane	74-83-9	ug/L	5	5	U	5	U	
	Carbon tetrachloride	56-23-5	ug/L	5	5	U	5	U	
	Chlorobenzene	108-90-7	ug/L	5	5	U	5	U	
	Chloroethane	75-00-3	ug/L	5	5	U	5	U	
	Chloroform	67-66-3	ug/L	7	5	U	5	U	
	Chloromethane	74-87-3	ug/L	5	5	U	5	U	
	cis-1,3-Dichloropropene	10061-01-5	ug/L	0.4	5	U	5	U	
	Dibromochloromethane	124-48-1	ug/L	50	5	U	5	U	
	Ethylbenzene	100-41-4	ug/L	5	5	U	5	U	
	Methylene Chloride	75-09-2	ug/L	5	5	U	5	U	
	n-Amyl acetate	628-63-7	ug/L	††	5	U	5	U	
	n-Butyl acetate	123-86-4	ug/L	††	5	U	5	U	
	Tetrachloroethene	127-18-4	ug/L	5	5	U	5	U	
	Toluene	108-88-3	ug/L	5	0.9	J	0.92	J	
	trans-1,2-Dichloroethene	156-60-5	ug/L	5	1.7	J	1.5	J	
	trans-1,3-Dichloropropene	10061-02-6	ug/L	0.4	5	U	5	U	
	Trichloroethene	79-01-6	ug/L	5	5	U	5	U	
	Vinyl chloride	75-01-4	ug/L	2	5	U	5	U	

Notes:

(1) NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values.

(2) Bold Result = Analyte detected in sample.

(3) Gray Shading = Detected result was at or over the Groundwater Standard/Guidance Value.

ND = Standard is at the detection limit; any detection exceeds the standard.

NA = Substance not regulated by the Principal Organic Contaminant (POC) Groundwater Standard (TOGS 1.1.1, Table 3).

-- = Analyte not tested in sample.

†† = Standard/Guidance value not defined.

µg/L = micrograms per liter.

Qualifier Definitions:

J = Estimated value. Result is <the RL but = MDL.

U = Analyte not detected at listed reporting detection limit.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		B55-1		B55-2		BCP-B20-001		BCP-B20-002		BCP-B20-003		BLD 1-1a	
				Sample Date		10/24/2013 11:50		10/24/2013 13:25		9/26/2012 13:55		9/26/2012 12:20		9/26/2012 0:00		9/26/2012 10:20	
				Sample ID		B55-1 (102413)		B55-2 (102413)		BCP-B20-TW001		BCP-B20-TW002		FD-09262012		BCP-B20-TW003	
				Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC	1,2,3-Trimethylbenzene	526-73-8	ug/L														
	1,2-Dichloro-1,1,2-trifluoroethane	354-23-4	ug/L														
	1-Hexanol, 2-ethyl-	104-76-7	ug/L														
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L					330	JN								
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	ug/L					610	JN								
	1H-Indene, 2,3-dihydro-5-methyl-	874-35-1	ug/L					290	JN								
	2,2-Dichloro-1,1,1-trifluoroethane	306-83-2	ug/L														
	2,2-Dichloropropane	594-20-7	ug/L														
	2,4-Dithiapentane	1618-26-4	ug/L														
	2-Ethyltoluene	611-14-3	ug/L					340	JN								
	2-Heptanone	110-43-0	ug/L														
	2-Isopropyltoluene	527-84-4	ug/L														
	2-Methylthiophene	554-14-3	ug/L	0.82	J												
	2-Pentanone	107-87-9	ug/L														
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L														
	3-Buten-2-one, 3-methyl-	814-78-8	ug/L														
	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L														
	3-Pentanone, 2,4-dimethyl-	565-80-0	ug/L														
	4-Heptanone	123-19-3	ug/L														
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	ug/L														
	Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	ug/L														
	Benzene, 1-methyl-3-propyl-	1074-43-7	ug/L														
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	ug/L														
	Butane, 2,2-dimethyl-	75-83-2	ug/L											4.8	JN		
	Butane, 2,3-dimethyl-	79-29-8	ug/L									4.1	JN			6.5	JN
	Butane, 2-methyl-	78-78-4	ug/L					460	JN			2.9	JN	3.6	JN	4.4	JN
	Cyclohexane, 1,3-dimethyl-, cis-	638-04-0	ug/L														
	Cyclohexene	110-83-8	ug/L														
	Cyclopentane, methyl-	96-37-7	ug/L					710	JN								
	Dichlorofluoromethane	75-43-4	ug/L														
	Dimethyl sulfide	75-18-3	ug/L														
	Disiloxane, hexamethyl-	107-46-0	ug/L														
	Epichlorohydrin	106-89-8	ug/L														
	Ethane, 1-chloro-1-fluoro-	1615-75-4	ug/L														
	Ethene, 1-chloro-1-fluoro-	2317-91-1	ug/L														
	Ethene, chlorotrifluoro-	79-38-9	ug/L														
	Ethyl tert-butyl ether	637-92-3	ug/L														
	Hexachlorobutadiene	87-68-3	ug/L														
	Hexane, 2-methyl-	591-76-4	ug/L														
	Hexane, 3-methyl-	589-34-4	ug/L														
	Hexanoic acid, hexyl ester	6378-65-0	ug/L														
	Hexanoic acid, pentyl ester	540-07-8	ug/L														
	Hydroperoxide, 1-methylethy	3031-75-2	ug/L											3.1	JN		
	Indane	496-11-7	ug/L														
	Indene	95-13-6	ug/L														
	Isopropyl alcohol	67-63-0	ug/L							36							
	Isopropyl ether	108-20-3	ug/L									0.66	J	0.71	J		
	Methanethiol	74-93-1	ug/L														
	Naphthalene, 1,3-dimethyl-	575-41-7	ug/L														
	Naphthalene, 1,4,6-trimethyl-	2131-42-2	ug/L														

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		B55-1		B55-2		BCP-B20-001		BCP-B20-002		BCP-B20-003		BLD 1-1a	
				Sample Date	Sample ID	10/24/2013 11:50		10/24/2013 13:25		9/26/2012 13:55		9/26/2012 12:20		9/26/2012 0:00		9/26/2012 10:20	
						B55-1 (102413)		B55-2 (102413)		BCP-B20-TW001		BCP-B20-TW002		FD-09262012		BCP-B20-TW003	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC (Cont.)	Naphthalene, 1,6,7-trimethyl-	2245-38-7	ug/L														
	Naphthalene, 1-ethyl-	1127-76-0	ug/L														
	Naphthalene, 2,3,6-trimethyl-	829-26-5	ug/L														
	Naphthalene, 2,6-dimethyl-	581-42-0	ug/L														
	Pentane, 2-methyl-	107-83-5	ug/L			550	JN										
	Propanal, 2-methyl-	78-84-2	ug/L														
	Propene	115-07-1	ug/L														
	Propionitrile	107-12-0	ug/L														
	Silane, fluorotrimethyl-	420-56-4	ug/L					4.8	JN	4.1	JN	4.7	JN				
	Silane, methoxytrimethyl-	1825-61-2	ug/L														
	Silanol, trimethyl-	1066-40-6	ug/L	19	JN									14	JN		
	tert-Butyldimethylsilano	18173-64-3	ug/L					57	JN	48	JN	43	JN				
	Trans-2-butene	624-64-6	ug/L							3.5	JN						
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	ug/L			680	JN										
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	ug/L			540	JN										
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	ug/L														
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	ug/L														
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	ug/L														
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	ug/L														
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	ug/L														
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	ug/L														
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	ug/L														
SVOCs Method SW8270C/D TIC	[1,1'-Bicyclohexyl]-2-one	90-42-6	ug/L														
	1,2,3-Trimethylbenzene	526-73-8	ug/L					99	JN								
	1,2,4,5-Tetramethylbenzene	95-93-2	ug/L					54	JN								
	1,2,4-Trimethylbenzene	95-63-6	ug/L														
	1,2-Dichloroethene (total)	540-59-0	ug/L	6.5	JN												
	1,2-Diphenylhydrazine	122-66-7	ug/L														
	1,3,5-Cycloheptatriene	544-25-2	ug/L														
	1,3,5-Triazine-2,4,6-(1H,3H,5H)-trione, 1,3,5-tri-2-propen-1-yl	1025-15-6	ug/L														
	1,3,5-Trimethylbenzene	108-67-8	ug/L			270	JN										
	1,3,5-Trithiane	291-21-4	ug/L														
	1,4-Dioxane	123-91-1	ug/L							R							
	17-Pentatriacontene	6971-40-0	ug/L														
	1-Decene	872-05-9	ug/L														
	1-Docosene	1599-67-3	ug/L														
	1H,3H-Naphtho[1,8-cd]pyran-1-one	518-86-5	ug/L														
	1H-Benzotriazole, 5-methyl-	136-85-6	ug/L	5.5	JN												
	1-Hepten-3-yne	2384-73-8	ug/L														
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L			190	JN										
	1-Penten-3-ol, 3-ethyl-2-methyl-	28832-46-4	ug/L														
	2,4-Dithiapentane	1618-26-4	ug/L														
	2-Butanol, 3-methyl-, (S)-	1517-66-4	ug/L														
	2-Cyclohexen-1-one	930-68-7	ug/L														
	2-Cyclopenten-1-one, 2,3-dimethyl-	1121-05-7	ug/L														
	2-Ethyltoluene	611-14-3	ug/L			220	JN										
	2-Pentanol, 2-methyl-	590-36-3	ug/L														
	2-Pentanol, 4-methyl-	108-11-2	ug/L														
	2-Propanol, 1-[1-methyl-2-(2-propenyloxy)ethoxy]	55956-25-7	ug/L														
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L														

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		B55-1		B55-2		BCP-B20-001		BCP-B20-002		BCP-B20-003		BLD 1-1a	
				Sample Date	Sample ID	10/24/2013 11:50		10/24/2013 13:25		9/26/2012 13:55		9/26/2012 12:20		9/26/2012 0:00		9/26/2012 10:20	
						B55-1 (102413)		B55-2 (102413)		BCP-B20-TW001		BCP-B20-TW002		FD-09262012		BCP-B20-TW003	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L														
	3-Hexenedinitrile	1119-85-3	ug/L														
	4,4'-Diaminobenzophenone	611-98-3	ug/L														
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	ug/L														
	4-Methyl-2-pentanone	108-10-1	ug/L														
	4-Methylphenol	106-44-5	ug/L														
	4-Nitrosophenyl-.beta.-phenylpropionate	1000129-40-0	ug/L														
	4-Piperidinone, 2,2,6,6-tetramethyl-	826-36-8	ug/L					5.1	JN								
	5-Nitro-o-toluidine	99-55-8	ug/L														
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	ug/L														
	9-Octadecenamide, (Z)-	301-02-0	ug/L														
	Acetic acid	64-19-7	ug/L														
	Acetic acid, (trimethylsilyl)-	2345-38-2	ug/L														
	Acetic acid, 1,1-dimethylethyl ester	540-88-5	ug/L														
	Acetic acid, phenoxy-	122-59-8	ug/L														
	Alpha-Terpineol	98-55-5	ug/L														
	Azobenzene	103-33-3	ug/L														
	Benzenamine, 4,4'-methylenebis-	101-77-9	ug/L														
	Benzenamine, 4-chloro-N,N-dimethyl-	698-69-1	ug/L														
	Benzenamine, N,N-dimethyl-4-nitro-	100-23-2	ug/L					24	JN								
	Benzene	71-43-2	ug/L														
	Benzene, [1-(2,4-Cyclopentadiene-1-ylidene)ethyl]	2320-32-3	ug/L	200	JN												
	Benzene, 1,4-diethyl-	105-05-5	ug/L			100	JN										
	Benzene, 1-methyl-2-(phenylmethyl)	713-36-0	ug/L														
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	ug/L					88	JN								
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	ug/L			190	JN										
	Benzeneacetic acid	103-82-2	ug/L														
	Benzenemethanol, .alpha.,.alpha.-dimethyl	617-94-7	ug/L														
	Benzenepropanoic acid	501-52-0	ug/L														
	Benzenesulfonic acid, 4-hydroxy-	98-67-9	ug/L														
	Benzoic acid	65-85-0	ug/L														
	Benzoic acid, 3-methyl-	99-04-7	ug/L														
	Benzoic acid, 4-(dimethylamino)-	619-84-1	ug/L														
	Benzoic acid, 4-(methylamino)-	10541-83-0	ug/L														
	Benzoic acid, 4-(phenylmethyl)-	620-86-0	ug/L														
	Benzoic acid, 4-methyl-	99-94-5	ug/L														
	Benzothiazole	95-16-9	ug/L														
	Benzylmalonic acid	616-75-1	ug/L														
	Bicyclo[2.2.1]hept-2-ene, 5-ethyl-	15403-89-1	ug/L														
	Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1S,4S)	464-48-2	ug/L														
	Butane, 2-methoxy-	6795-87-5	ug/L														
	Butanoic acid	107-92-6	ug/L														
	Butyl Stearate	123-95-5	ug/L					37	JN					28	JN	77	JN
	Carbonic acid, dimethyl ester	616-38-6	ug/L														
	Chloroform	67-66-3	ug/L	9.7	JN												
	Crotonic acid	3724-65-0	ug/L														
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	ug/L														
	Cyclohexane	110-82-7	ug/L	56	JN	310	JN									55	JN
	Cyclohexanone	108-94-1	ug/L														
	Cyclohexene, 1-methyl-4-(1-methylethenyl)	5989-54-8	ug/L														

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		B55-1		B55-2		BCP-B20-001		BCP-B20-002		BCP-B20-003		BLD 1-1a	
				Sample Date	Sample ID	10/24/2013 11:50		10/24/2013 13:25		9/26/2012 13:55		9/26/2012 12:20		9/26/2012 0:00		9/26/2012 10:20	
						B55-1 (102413)		B55-2 (102413)		BCP-B20-TW001		BCP-B20-TW002		FD-09262012		BCP-B20-TW003	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Cyclopentasiloxane, decamethyl-	541-02-6	ug/L														
	Cyclopropane, 1,2-dimethyl-, cis-	930-18-7	ug/L														
	Cyclotetrasiloxane, octamethyl-	556-67-2	ug/L														
	Cyclotrisiloxane, hexamethyl-	541-05-9	ug/L														
	Decane, 2-methyl-	6975-98-0	ug/L														
	Decane, 4-methyl-	2847-72-5	ug/L														
	Dehydroabietic acid	1740-19-8	ug/L														
	Dibutyl ether	142-96-1	ug/L														
	Dicyclohexylamine	101-83-7	ug/L							6.5	JN						
	Disiloxane, hexamethyl-	107-46-0	ug/L														
	Dodecanoic acid	143-07-7	ug/L														
	Erucylamide	112-84-5	ug/L														
	Ethanedione, diphenyl-, dioxime	23873-81-6	ug/L	17	JN											65	JN
	Ethanol, 2-butoxy-	111-76-2	ug/L														
	Ethylbenzene	100-41-4	ug/L			250	JN										
	Formamide, N-methyl-N-phenyl-	93-61-8	ug/L														
	Formylmethylenetriphenylphosphorane	28900-91-6	ug/L														
	Heptadecanoic acid	506-12-7	ug/L														
	Hexadecanoic acid, butyl ester	111-06-8	ug/L							39	JN				29	JN	
	Hexanoic acid, 2-ethyl-	149-57-5	ug/L														
	Indane	496-11-7	ug/L			240	JN										
	Isopropylbenzene	98-82-8	ug/L			72	JN										
	Methanone, (4-aminophenyl)phenyl-	1137-41-3	ug/L														
	Methylene Chloride	75-09-2	ug/L								R	53	JN		R		
	m-Xylene	108-38-3	ug/L	17	JN	250	JN										
	n-Decane	124-18-5	ug/L														
	n-Decanoic acid	334-48-5	ug/L														
	n-Dodecane	112-40-3	ug/L														
	n-Hexadecanoic acid	57-10-3	ug/L														
	N-Nitrosodimethylamine	62-75-9	ug/L														
	Nonane, 2,6-dimethyl-	17302-28-2	ug/L														
	Nonane, 3,7-dimethyl-	17302-32-8	ug/L														
	N-Propylbenzene	103-65-1	ug/L			180	JN										
	Octadecanoic acid	57-11-4	ug/L														
	Octanoic Acid	124-07-2	ug/L	8.6	JN											6.5	JN
	o-Toluidine	95-53-4	ug/L														
	o-Xylene	95-47-6	ug/L														
	Pentane, 2,2'-oxybis-	56762-00-6	ug/L														
	Pentatriacontane	630-07-9	ug/L														
	Phenol, 2-(1,1-dimethylethyl)-	88-18-6	ug/L														
	Phenol, 2-(phenylmethyl)-	28994-41-4	ug/L														
	Phenol, 4-(1,1-dimethylpropyl)-	80-46-6	ug/L														
	Phenol, 4-(phenylmethyl)-	101-53-1	ug/L														
	Phenol, 4,4'-(1-methylethylidene)bis-	80-05-7	ug/L														
	Phenol, 4-chloro-2-(phenylmethyl)-	120-32-1	ug/L														
	Phthalic anhydride	85-44-9	ug/L														
	Podocarpa-8,11,13-trien-15-oic acid, 13-	1000164-00-3	ug/L														
	Propanoic acid, 2-phenoxy-	940-31-8	ug/L														
	p-Xylene	106-42-3	ug/L														
	Pyridine, 2,4-dimethyl-	108-47-4	ug/L														

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location				B55-1		B55-2		BCP-B20-001		BCP-B20-002				BCP-B20-003		BLD 1-1a	
				Sample Date		10/24/2013 11:50		10/24/2013 13:25		9/26/2012 13:55		9/26/2012 12:20		9/26/2012 0:00		9/26/2012 10:20	
Sample ID				B55-1 (102413)		B55-2 (102413)		BCP-B20-TW001		BCP-B20-TW002		FD-09262012		BCP-B20-TW003		BLD1-1 (102313)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Silane, butoxytrimethyl-	1825-65-6	ug/L														
	Silane, methylenebis[methyl-	5/7/5654	ug/L														
	Silane, trimethyl(1-methylbutoxy)-	1825-67-8	ug/L														
	Silane, trimethylphenoxy-	1529-17-5	ug/L														
	Tetradecanoic acid	544-63-8	ug/L														
	Toluene	108-88-3	ug/L														
	Triacetin	102-76-1	ug/L														
	Tributyl phosphate	126-73-8	ug/L														
	Trichloroethene	79-01-6	ug/L														
	Tridecanoic acid	638-53-9	ug/L														
	Triphenylphosphine oxide	791-28-6	ug/L														
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	ug/L	41	JN	1,100	JN	490	JN	540	JN	300	JN	390	JN	350	JN
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	ug/L	39	JN	340	JN	420	JN	320	JN			100	JN	87	JN
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	ug/L	35	JN	180	JN	18	JN					7.2	JN	79	JN
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	ug/L	32	JN	110	JN							6.9	JN	63	JN
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	ug/L	17	JN	110	JN							6.7	JN	59	JN
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	ug/L	14	JN											57	JN
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	ug/L	8.7	JN											38	JN
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	ug/L	8.5	JN											26	JN
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	ug/L	8.3	JN											21	JN
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	ug/L	7.3	JN											16	JN
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	ug/L	6.8	JN											14	JN
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	ug/L													14	JN
	UNKNOWN SEMIVOLATILE WITH 13TH HIGHEST CONC.	UNKSV13	ug/L													10	JN
	UNKNOWN SEMIVOLATILE WITH 14TH HIGHEST CONC.	UNKSV14	ug/L													7.6	JN
	UNKNOWN SEMIVOLATILE WITH 15TH HIGHEST CONC.	UNKSV15	ug/L													7	JN
	UNKNOWN SEMIVOLATILE WITH 16TH HIGHEST CONC.	UNKSV16	ug/L													6.8	JN
	UNKNOWN SEMIVOLATILE WITH 17TH HIGHEST CONC.	UNKSV17	ug/L														
	UNKNOWN SEMIVOLATILE WITH 18TH HIGHEST CONC.	UNKSV18	ug/L														
	UNKNOWN SEMIVOLATILE WITH 19TH HIGHEST CONC.	UNKSV19	ug/L														
	Vanillin	121-33-5	ug/L														

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		BLD 1-2		BLD 1-3		BLD 1-4A		BLD 4A-1		BLD 4B-1		BLD 5-1		BLD 5A-1	
				Sample Date	Sample ID	9/23/2013 11:10		9/25/2013 16:35		9/23/2013 14:45		9/20/2013 10:55		9/26/2013 16:35		9/26/2013 16:10		9/24/2013 12:50	
						BLD 1-2 (092313)		BLD 1-3 (092513)		BLD 1-4A (092313)		BLD 4A-1 (092013)		BLD 4B-1 (092613)		BLD 5-1 (092613)		BLD 5A-1 (92413)	
Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method	1,2,3-Trimethylbenzene	526-73-8	ug/L																
SW8260B/C	1,2-Dichloro-1,1,2-trifluoroethane	354-23-4	ug/L	3.5	JN											24	JN		
TIC	1-Hexanol, 2-ethyl-	104-76-7	ug/L											98	JN			5	JN
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L																
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	ug/L																
	1H-Indene, 2,3-dihydro-5-methyl-	874-35-1	ug/L																
	2,2-Dichloro-1,1,1-trifluoroethane	306-83-2	ug/L																
	2,2-Dichloropropane	594-20-7	ug/L					2.1	J										
	2,4-Dithiapentane	1618-26-4	ug/L																
	2-Ethyltoluene	611-14-3	ug/L																
	2-Heptanone	110-43-0	ug/L																
	2-Isopropyltoluene	527-84-4	ug/L																
	2-Methylthiophene	554-14-3	ug/L																
	2-Pentanone	107-87-9	ug/L																
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L																
	3-Buten-2-one, 3-methyl-	814-78-8	ug/L																
	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L																
	3-Pentanone, 2,4-dimethyl-	565-80-0	ug/L															13	JN
	4-Heptanone	123-19-3	ug/L																
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	ug/L																
	Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	ug/L																
	Benzene, 1-methyl-3-propyl-	1074-43-7	ug/L																
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	ug/L																
	Butane, 2,2-dimethyl-	75-83-2	ug/L																
	Butane, 2,3-dimethyl-	79-29-8	ug/L																
	Butane, 2-methyl-	78-78-4	ug/L																
	Cyclohexane, 1,3-dimethyl-, cis-	638-04-0	ug/L																
	Cyclohexene	110-83-8	ug/L																
	Cyclopentane, methyl-	96-37-7	ug/L																
	Dichlorofluoromethane	75-43-4	ug/L									6	J						
	Dimethyl sulfide	75-18-3	ug/L																
	Disiloxane, hexamethyl-	107-46-0	ug/L																
	Epichlorohydrin	106-89-8	ug/L																
	Ethane, 1-chloro-1-fluoro-	1615-75-4	ug/L															13	JN
	Ethene, 1-chloro-1-fluoro-	2317-91-1	ug/L																
	Ethene, chlorotrifluoro-	79-38-9	ug/L																
	Ethyl tert-butyl ether	637-92-3	ug/L											120	J				
	Hexachlorobutadiene	87-68-3	ug/L																
	Hexane, 2-methyl-	591-76-4	ug/L																
	Hexane, 3-methyl-	589-34-4	ug/L																
	Hexanoic acid, hexyl ester	6378-65-0	ug/L																
	Hexanoic acid, pentyl ester	540-07-8	ug/L																
	Hydroperoxide, 1-methylethy	3031-75-2	ug/L																
	Indane	496-11-7	ug/L																
	Indene	95-13-6	ug/L																
	Isopropyl alcohol	67-63-0	ug/L									6,300	J	550	J			360	J
	Isopropyl ether	108-20-3	ug/L																
	Methanethiol	74-93-1	ug/L																
	Naphthalene, 1,3-dimethyl-	575-41-7	ug/L							9.8	JN								
	Naphthalene, 1,4,6-trimethyl-	2131-42-2	ug/L							5.3	JN								

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		BLD 1-2		BLD 1-3		BLD 1-4A		BLD 4A-1		BLD 4B-1		BLD 5-1		BLD 5A-1	
				Sample Date	Sample ID	9/23/2013 11:10		9/25/2013 16:35		9/23/2013 14:45		9/20/2013 10:55		9/26/2013 16:35		9/26/2013 16:10		9/24/2013 12:50	
						BLD 1-2 (092313)	BLD 1-3 (092513)	BLD 1-4A (092313)	BLD 1-3 (092513)	BLD 1-4A (092313)	BLD 4A-1 (092013)	BLD 4A-1 (092013)	BLD 4A-1 (092013)	BLD4B-1 (092613)	BLD4B-1 (092613)	BLD5-1 (092613)	BLD5-1 (092613)	BLD5A-1 (92413)	BLD5A-1 (92413)
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC (Cont.)	Naphthalene, 1,6,7-trimethyl-	2245-38-7	ug/L					6.4	JN										
	Naphthalene, 1-ethyl-	1127-76-0	ug/L					2.6	JN										
	Naphthalene, 2,3,6-trimethyl-	829-26-5	ug/L																
	Naphthalene, 2,6-dimethyl-	581-42-0	ug/L					8.5	JN										
	Pentane, 2-methyl-	107-83-5	ug/L																
	Propanal, 2-methyl-	78-84-2	ug/L																
	Propene	115-07-1	ug/L																
	Propionitrile	107-12-0	ug/L											63	J				
	Silane, fluorotrimethyl-	420-56-4	ug/L																
	Silane, methoxytrimethyl-	1825-61-2	ug/L											120	JN				
	Silanol, trimethyl-	1066-40-6	ug/L								480	JN	3,600	JN			59	JN	
	tert-Butyldimethylsilano	18173-64-3	ug/L																
	Trans-2-butene	624-64-6	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	ug/L				30	JN	14	JN	1,100	JN	310	JN			52	JN	
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	ug/L				17	JN	6.5	JN	36	JN	180	JN			23	JN	
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	ug/L						5.5	JN			77	JN			22	JN	
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	ug/L						3.9	JN			60	JN			4.8	JN	
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	ug/L						3.3	JN							4.1	JN	
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	ug/L																
SVOCs Method SW8270C/D TIC	[1,1'-Bicyclohexyl]-2-one	90-42-6	ug/L											49	JN				
	1,2,3-Trimethylbenzene	526-73-8	ug/L																
	1,2,4,5-Tetramethylbenzene	95-93-2	ug/L																
	1,2,4-Trimethylbenzene	95-63-6	ug/L																
	1,2-Dichloroethene (total)	540-59-0	ug/L																
	1,2-Diphenylhydrazine	122-66-7	ug/L																
	1,3,5-Cycloheptatriene	544-25-2	ug/L																
	1,3,5-Triazine-2,4,6-(1H,3H,5H)-trione, 1,3,5-tri-2-propen-1-yl	1025-15-6	ug/L																
	1,3,5-Trimethylbenzene	108-67-8	ug/L																
	1,3,5-Trithiane	291-21-4	ug/L																
	1,4-Dioxane	123-91-1	ug/L				3.6	J			36	J					100	J	
	17-Pentatriacontene	6971-40-0	ug/L																
	1-Decene	872-05-9	ug/L																
	1-Docosene	1599-67-3	ug/L																
	1H,3H-Naphtho[1,8-cd]pyran-1-one	518-86-5	ug/L								38	JN							
	1H-Benzotriazole, 5-methyl-	136-85-6	ug/L														77	JN	
	1-Hepten-3-yne	2384-73-8	ug/L																
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L																
	1-Penten-3-ol, 3-ethyl-2-methyl-	28832-46-4	ug/L																
	2,4-Dithiapentane	1618-26-4	ug/L																
	2-Butanol, 3-methyl-, (S)-	1517-66-4	ug/L																
	2-Cyclohexen-1-one	930-68-7	ug/L																
	2-Cyclopenten-1-one, 2,3-dimethyl-	1121-05-7	ug/L																
	2-Ethyltoluene	611-14-3	ug/L																
	2-Pentanol, 2-methyl-	590-36-3	ug/L																
	2-Pentanol, 4-methyl-	108-11-2	ug/L																
	2-Propanol, 1-[1-methyl-2-(2-propenyloxy)ethoxy]	55956-25-7	ug/L																
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		Sample Date		Sample ID		BLD 1-2		BLD 1-3		BLD 1-4A		BLD 4A-1		BLD 4B-1		BLD 5-1		BLD 5A-1	
										9/23/2013 11:10		9/25/2013 16:35		9/23/2013 14:45		9/20/2013 10:55		9/26/2013 16:35		9/26/2013 16:10		9/24/2013 12:50	
										BLD 1-2 (092313)		BLD 1-3 (092513)		BLD 1-4A (092313)		BLD 4A-1 (092013)		BLD4B-1 (092613)		BLD5-1 (092613)		BLD5A-1 (92413)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L																				
	3-Hexenedinitrile	1119-85-3	ug/L																	2.8	JN		
	4,4'-Diaminobenzophenone	611-98-3	ug/L																				
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	ug/L																				
	4-Methyl-2-pentanone	108-10-1	ug/L		R						R			790	JN			R					
	4-Methylphenol	106-44-5	ug/L																				
	4-Nitrosophenyl-.beta.-phenylpropionate	1000129-40-0	ug/L																				
	4-Piperidinone, 2,2,6,6-tetramethyl-	826-36-8	ug/L																				
	5-Nitro-o-toluidine	99-55-8	ug/L																				
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	ug/L																				
	9-Octadecenamide, (Z)-	301-02-0	ug/L																				
	Acetic acid	64-19-7	ug/L																				
	Acetic acid, (trimethylsilyl)-	2345-38-2	ug/L																				
	Acetic acid, 1,1-dimethylethyl ester	540-88-5	ug/L																				
	Acetic acid, phenoxy-	122-59-8	ug/L																				
	Alpha-Terpineol	98-55-5	ug/L													21	J	46	J				
	Azobenzene	103-33-3	ug/L																				
	Benzenamine, 4,4'-methylenebis-	101-77-9	ug/L																				
	Benzenamine, 4-chloro-N,N-dimethyl-	698-69-1	ug/L																				
	Benzenamine, N,N-dimethyl-4-nitro	100-23-2	ug/L																				
	Benzene	71-43-2	ug/L																				
	Benzene, [1-(2,4-Cyclopentadiene-1-ylidene)ethyl]	2320-32-3	ug/L																				
	Benzene, 1,4-diethyl-	105-05-5	ug/L																				
	Benzene, 1-methyl-2-(phenylmethyl)	713-36-0	ug/L																				
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	ug/L																				
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	ug/L																				
	Benzenecetic acid	103-82-2	ug/L															100	JN			380	JN
	Benzenemethanol, .alpha...alpha.-dimethyl	617-94-7	ug/L																				
	Benzenepropanoic acid	501-52-0	ug/L																				
	Benzenesulfonic acid, 4-hydroxy-	98-67-9	ug/L															88	JN				
	Benzoic acid	65-85-0	ug/L															51	JN				
	Benzoic acid, 3-methyl-	99-04-7	ug/L																			75	JN
	Benzoic acid, 4-(dimethylamino)-	619-84-1	ug/L																				
	Benzoic acid, 4-(methylamino)-	10541-83-0	ug/L																				
	Benzoic acid, 4-(phenylmethyl)-	620-86-0	ug/L																				
	Benzoic acid, 4-methyl-	99-94-5	ug/L																				
	Benzothiazole	95-16-9	ug/L																				
	Benzylmalonic acid	616-75-1	ug/L																				
	Bicyclo[2.2.1]hept-2-ene, 5-ethyl-	15403-89-1	ug/L																				
	Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1S,4S)	464-48-2	ug/L																				
	Butane, 2-methoxy-	6795-87-5	ug/L																				
	Butanoic acid	107-92-6	ug/L																				
	Butyl Stearate	123-95-5	ug/L																				
	Carbonic acid, dimethyl ester	616-38-6	ug/L																				
	Chloroform	67-66-3	ug/L																				
	Crotonic acid	3724-65-0	ug/L																				
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	ug/L																				
	Cyclohexane	110-82-7	ug/L		R	34	JN			R										37	JN	140	JN
	Cyclohexanone	108-94-1	ug/L																				
	Cyclohexene, 1-methyl-4-(1-methylethenyl)	5989-54-8	ug/L																				

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		BLD 1-2		BLD 1-3		BLD 1-4A		BLD 4A-1		BLD 4B-1		BLD 5-1		BLD 5A-1	
				Sample Date	Sample ID	9/23/2013 11:10		9/25/2013 16:35		9/23/2013 14:45		9/20/2013 10:55		9/26/2013 16:35		9/26/2013 16:10		9/24/2013 12:50	
						BLD 1-2 (092313)	BLD 1-3 (092513)	BLD 1-4A (092313)	BLD 1-3 (092513)	BLD 1-4A (092313)	BLD 4A-1 (092013)	BLD 4A-1 (092013)	BLD 4A-1 (092013)	BLD4B-1 (092613)	BLD4B-1 (092613)	BLD5-1 (092613)	BLD5-1 (092613)	BLD5A-1 (92413)	BLD5A-1 (92413)
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Cyclopentasiloxane, decamethyl-	541-02-6	ug/L																
	Cyclopropane, 1,2-dimethyl-, cis-	930-18-7	ug/L																
	Cyclotetrasiloxane, octamethyl-	556-67-2	ug/L																
	Cyclotrisiloxane, hexamethyl-	541-05-9	ug/L																
	Decane, 2-methyl-	6975-98-0	ug/L																
	Decane, 4-methyl-	2847-72-5	ug/L																
	Dehydroabietic acid	1740-19-8	ug/L																
	Dibutyl ether	142-96-1	ug/L											36	JN				
	Dicyclohexylamine	101-83-7	ug/L											97	JN				
	Disiloxane, hexamethyl-	107-46-0	ug/L																
	Dodecanoic acid	143-07-7	ug/L																
	Erucylamide	112-84-5	ug/L																
	Ethanedione, diphenyl-, dioxime	23873-81-6	ug/L	34	JN														
	Ethanol, 2-butoxy-	111-76-2	ug/L											64	JN				
	Ethylbenzene	100-41-4	ug/L																
	Formamide, N-methyl-N-phenyl-	93-61-8	ug/L																
	Formylmethylenetriphenylphosphorane	28900-91-6	ug/L																
	Heptadecanoic acid	506-12-7	ug/L													37	JN		
	Hexadecanoic acid, butyl ester	111-06-8	ug/L																
	Hexanoic acid, 2-ethyl-	149-57-5	ug/L															260	JN
	Indane	496-11-7	ug/L																
	Isopropylbenzene	98-82-8	ug/L																
	Methanone, (4-aminophenyl)phenyl	1137-41-3	ug/L																
	Methylene Chloride	75-09-2	ug/L																
	m-Xylene	108-38-3	ug/L				60	JN											
	n-Decane	124-18-5	ug/L																
	n-Decanoic acid	334-48-5	ug/L																
	n-Dodecane	112-40-3	ug/L																
	n-Hexadecanoic acid	57-10-3	ug/L				6.4	JN		R									
	N-Nitrosodimethylamine	62-75-9	ug/L																
	Nonane, 2,6-dimethyl-	17302-28-2	ug/L																
	Nonane, 3,7-dimethyl-	17302-32-8	ug/L																
	N-Propylbenzene	103-65-1	ug/L																
	Octadecanoic acid	57-11-4	ug/L	9	JN	14	JN	7.8	JN										
	Octanoic Acid	124-07-2	ug/L																
	o-Toluidine	95-53-4	ug/L																
	o-Xylene	95-47-6	ug/L																
	Pentane, 2,2'-oxybis-	56762-00-6	ug/L																
	Pentatriacontane	630-07-9	ug/L																
	Phenol, 2-(1,1-dimethylethyl)-	88-18-6	ug/L																
	Phenol, 2-(phenylmethyl)-	28994-41-4	ug/L									31	JN						
	Phenol, 4-(1,1-dimethylpropyl)-	80-46-6	ug/L																
	Phenol, 4-(phenylmethyl)-	101-53-1	ug/L									22	JN	39	JN				
	Phenol, 4,4'-(1-methylethylidene)bis-	80-05-7	ug/L																
	Phenol, 4-chloro-2-(phenylmethyl)-	120-32-1	ug/L																
	Phthalic anhydride	85-44-9	ug/L																
	Podocarpa-8,11,13-trien-15-oic acid, 13-	1000164-00-3	ug/L																
	Propanoic acid, 2-phenoxy-	940-31-8	ug/L																
	p-Xylene	106-42-3	ug/L																
	Pyridine, 2,4-dimethyl-	108-47-4	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location				BLD 1-2		BLD 1-3		BLD 1-4A		BLD 4A-1		BLD 4B-1		BLD 5-1		BLD 5A-1	
				Sample Date		9/23/2013 11:10		9/25/2013 16:35		9/23/2013 14:45		9/20/2013 10:55		9/26/2013 16:35		9/26/2013 16:10	
Sample ID				BLD 1-2 (092313)		BLD 1-3 (092513)		BLD 1-4A (092313)		BLD 4A-1 (092013)		BLD4B-1 (092613)		BLD5-1 (092613)		BLD5A-1 (92413)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Silane, butoxytrimethyl-	1825-65-6	ug/L									54	JN				
	Silane, methylenebis(methyl-	5/7/5654	ug/L														
	Silane, trimethyl(1-methylbutoxy)-	1825-67-8	ug/L							39	JN						
	Silane, trimethylphenoxy-	1529-17-5	ug/L							22	JN						
	Tetradecanoic acid	544-63-8	ug/L														
	Toluene	108-88-3	ug/L														
	Triacetin	102-76-1	ug/L														
	Tributyl phosphate	126-73-8	ug/L														
	Trichloroethene	79-01-6	ug/L												R		
	Tridecanoic acid	638-53-9	ug/L														
	Triphenylphosphine oxide	791-28-6	ug/L														
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	ug/L		R	610	JN		R	320	JN	310	JN	640	JN	1,100	JN
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	ug/L		R	54	JN		R	250	JN	170	JN	47	JN	220	JN
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	ug/L	44	JN	36	JN		R		R	110	JN	34	JN	190	JN
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	ug/L		R	27	JN	29	JN		R	92	JN	19	JN	130	JN
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	ug/L		R	26	JN		R	23	JN	70	JN	16	JN	110	JN
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	ug/L		R	19	JN		R	20	JN	62	JN	16	JN	95	JN
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	ug/L		R	16	JN		R		R	50	JN	12	JN	84	JN
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	ug/L		R	12	JN		R	18	JN	43	JN	11	JN	76	JN
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	ug/L		R	12	JN		R	14	JN			9.1	JN	73	JN
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	ug/L		R	10	JN		R					9.1	JN	70	JN
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	ug/L		R	9.4	JN		R					8.9	JN	68	JN
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	ug/L	11	JN	7.8	JN		R					7.8	JN		
	UNKNOWN SEMIVOLATILE WITH 13TH HIGHEST CONC.	UNKSV13	ug/L		R	7.4	JN		R					6	JN		
	UNKNOWN SEMIVOLATILE WITH 14TH HIGHEST CONC.	UNKSV14	ug/L		R	4.7	JN		R					4.9	JN		
	UNKNOWN SEMIVOLATILE WITH 15TH HIGHEST CONC.	UNKSV15	ug/L	9.5	JN	3.5	JN	3.3	JN					4	JN		
	UNKNOWN SEMIVOLATILE WITH 16TH HIGHEST CONC.	UNKSV16	ug/L	8.9	JN			3	JN					2.7	JN		
	UNKNOWN SEMIVOLATILE WITH 17TH HIGHEST CONC.	UNKSV17	ug/L														
	UNKNOWN SEMIVOLATILE WITH 18TH HIGHEST CONC.	UNKSV18	ug/L														
	UNKNOWN SEMIVOLATILE WITH 19TH HIGHEST CONC.	UNKSV19	ug/L														
	Vanillin	121-33-5	ug/L														

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		BLD 8-1		BLD 8-2		BLD 8A-1		BLD 8B-1		BLD 8C-1		BLD 8D-1		BLD 9-1	
				Sample ID	Date	9/19/2013 11:35		9/19/2013 14:45		9/20/2013 10:05		9/20/2013 12:20		9/19/2013 10:55		10/3/2013 16:55		9/19/2013 16:10	
						BLD 8-1 (091913)		BLD 8-2 (091913)		BLD 8A-1 (092013)		BLD 8B-1 (092013)		BLD 8C-1 (091913)		BLD8D-1 (100313)		BLD 9-1 (091913)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC	1,2,3-Trimethylbenzene	526-73-8	ug/L																
	1,2-Dichloro-1,1,2-trifluoroethane	354-23-4	ug/L																
	1-Hexanol, 2-ethyl-	104-76-7	ug/L																
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L																
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	ug/L																
	1H-Indene, 2,3-dihydro-5-methyl-	874-35-1	ug/L																
	2,2-Dichloro-1,1,1-trifluoroethane	306-83-2	ug/L													14	JN		
	2,2-Dichloropropane	594-20-7	ug/L																
	2,4-Dithiapentane	1618-26-4	ug/L																
	2-Ethyltoluene	611-14-3	ug/L																
	2-Heptanone	110-43-0	ug/L																
	2-Isopropyltoluene	527-84-4	ug/L													3.4	JN		
	2-Methylthiophene	554-14-3	ug/L																
	2-Pentanone	107-87-9	ug/L																
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L																
	3-Buten-2-one, 3-methyl-	814-78-8	ug/L																
	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L																
	3-Pentanone, 2,4-dimethyl-	565-80-0	ug/L											11	JN	4.5	JN		
	4-Heptanone	123-19-3	ug/L																
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	ug/L													3.9	JN		
	Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	ug/L													3.5	JN		
	Benzene, 1-methyl-3-propyl-	1074-43-7	ug/L																
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	ug/L																
	Butane, 2,2-dimethyl-	75-83-2	ug/L																
	Butane, 2,3-dimethyl-	79-29-8	ug/L																
	Butane, 2-methyl-	78-78-4	ug/L																
	Cyclohexane, 1,3-dimethyl-, cis-	638-04-0	ug/L																
	Cyclohexene	110-83-8	ug/L											19	JN				
	Cyclopentane, methyl-	96-37-7	ug/L																
	Dichlorofluoromethane	75-43-4	ug/L					2	J					1.6	J	5.1	J		
	Dimethyl sulfide	75-18-3	ug/L																
	Disiloxane, hexamethyl-	107-46-0	ug/L																
	Epichlorohydrin	106-89-8	ug/L																
	Ethane, 1-chloro-1-fluoro-	1615-75-4	ug/L																
	Ethene, 1-chloro-1-fluoro-	2317-91-1	ug/L																
	Ethene, chlorotrifluoro-	79-38-9	ug/L																
	Ethyl tert-butyl ether	637-92-3	ug/L																
	Hexachlorobutadiene	87-68-3	ug/L																
	Hexane, 2-methyl-	591-76-4	ug/L																
	Hexane, 3-methyl-	589-34-4	ug/L																
	Hexanoic acid, hexyl ester	6378-65-0	ug/L																
	Hexanoic acid, pentyl ester	540-07-8	ug/L																
	Hydroperoxide, 1-methylethyl	3031-75-2	ug/L																
	Indane	496-11-7	ug/L																
	Indene	95-13-6	ug/L																
	Isopropyl alcohol	67-63-0	ug/L					110	J	870	J			240	J				
	Isopropyl ether	108-20-3	ug/L																
	Methanethiol	74-93-1	ug/L																
	Naphthalene, 1,3-dimethyl-	575-41-7	ug/L																
	Naphthalene, 1,4,6-trimethyl-	2131-42-2	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		BLD 8-1		BLD 8-2		BLD 8A-1		BLD 8B-1		BLD 8C-1		BLD 8D-1		BLD 9-1	
				Sample ID		9/19/2013 11:35		9/19/2013 14:45		9/20/2013 10:05		9/20/2013 12:20		9/19/2013 10:55		10/3/2013 16:55		9/19/2013 16:10	
						BLD 8-1 (091913)	BLD 8-1 (091913)	BLD 8-2 (091913)	BLD 8-2 (091913)	BLD 8A-1 (092013)	BLD 8A-1 (092013)	BLD 8B-1 (092013)	BLD 8B-1 (092013)	BLD 8C-1 (091913)	BLD 8C-1 (091913)	BLD 8D-1 (100313)	BLD 8D-1 (100313)	BLD 9-1 (091913)	BLD 9-1 (091913)
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC (Cont.)	Naphthalene, 1,6,7-trimethyl-	2245-38-7	ug/L																
	Naphthalene, 1-ethyl-	1127-76-0	ug/L																
	Naphthalene, 2,3,6-trimethyl-	829-26-5	ug/L																
	Naphthalene, 2,6-dimethyl-	581-42-0	ug/L																
	Pentane, 2-methyl-	107-83-5	ug/L																
	Propanal, 2-methyl-	78-84-2	ug/L																
	Propene	115-07-1	ug/L																
	Propionitrile	107-12-0	ug/L																
	Silane, fluorotrimethyl-	420-56-4	ug/L																
	Silane, methoxytrimethyl-	1825-61-2	ug/L																
	Silanol, trimethyl-	1066-40-6	ug/L							64	JN								
	tert-Butyldimethylsilano	18173-64-3	ug/L																
	Trans-2-butene	624-64-6	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	ug/L					59	JN			17	JN	24	JN	22	JN		
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	ug/L					14	JN							4.5	JN		
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	ug/L													3.2	JN		
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	ug/L													2.8	JN		
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	ug/L																
SVOCs Method SW8270C/D TIC	[1,1'-Bicyclohexyl]-2-one	90-42-6	ug/L																
	1,2,3-Trimethylbenzene	526-73-8	ug/L																
	1,2,4,5-Tetramethylbenzene	95-93-2	ug/L																
	1,2,4-Trimethylbenzene	95-63-6	ug/L																
	1,2-Dichloroethene (total)	540-59-0	ug/L																
	1,2-Diphenylhydrazine	122-66-7	ug/L																
	1,3,5-Cycloheptatriene	544-25-2	ug/L																
	1,3,5-Triazine-2,4,6-(1H,3H,5H)-trione, 1,3,5-tri-2-propen-1-yl	1025-15-6	ug/L																
	1,3,5-Trimethylbenzene	108-67-8	ug/L																
	1,3,5-Trithiane	291-21-4	ug/L																
	1,4-Dioxane	123-91-1	ug/L	22	J														
	17-Pentatriacontene	6971-40-0	ug/L															9.5	JN
	1-Decene	872-05-9	ug/L																
	1-Docosene	1599-67-3	ug/L																
	1H,3H-Naphtho[1,8-cd]pyran-1-one	518-86-5	ug/L																
	1H-Benzotriazole, 5-methyl-	136-85-6	ug/L									7.3	JN						
	1-Hepten-3-yne	2384-73-8	ug/L																
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L																
	1-Penten-3-ol, 3-ethyl-2-methyl-	28832-46-4	ug/L																
	2,4-Dithiapentane	1618-26-4	ug/L																
	2-Butanol, 3-methyl-, (S)-	1517-66-4	ug/L																
	2-Cyclohexen-1-one	930-68-7	ug/L																
	2-Cyclopenten-1-one, 2,3-dimethyl-	1121-05-7	ug/L											34	JN				
	2-Ethyltoluene	611-14-3	ug/L																
	2-Pentanol, 2-methyl-	590-36-3	ug/L																
	2-Pentanol, 4-methyl-	108-11-2	ug/L																
	2-Propanol, 1-[1-methyl-2-(2-propenyloxy)ethoxy]	55956-25-7	ug/L																
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		BLD 8-1		BLD 8-2		BLD 8A-1		BLD 8B-1		BLD 8C-1		BLD 8D-1		BLD 9-1	
				Sample ID	Date	9/19/2013 11:35		9/19/2013 14:45		9/20/2013 10:05		9/20/2013 12:20		9/19/2013 10:55		10/3/2013 16:55		9/19/2013 16:10	
						BLD 8-1 (091913)	BLD 8-2 (091913)	BLD 8-1 (091913)	BLD 8-2 (091913)	BLD 8A-1 (092013)	BLD 8B-1 (092013)	BLD 8C-1 (091913)	BLD 8D-1 (100313)	BLD 8C-1 (091913)	BLD 8D-1 (100313)	BLD 8D-1 (100313)	BLD 8D-1 (100313)	BLD 9-1 (091913)	BLD 9-1 (091913)
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCS Method SW8270C/D TIC (Cont.)	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L																
	3-Hexenedinitrile	1119-85-3	ug/L																
	4,4'-Diaminobenzophenone	611-98-3	ug/L																
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	ug/L																
	4-Methyl-2-pentanone	108-10-1	ug/L																
	4-Methylphenol	106-44-5	ug/L																
	4-Nitrosophenyl-.beta.-phenylpropionate	1000129-40-0	ug/L																
	4-Piperidinone, 2,2,6,6-tetramethyl-	826-36-8	ug/L																
	5-Nitro-o-toluidine	99-55-8	ug/L																
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	ug/L																
	9-Octadecenamide, (Z)-	301-02-0	ug/L																
	Acetic acid	64-19-7	ug/L																
	Acetic acid, (trimethylsilyl)-	2345-38-2	ug/L																
	Acetic acid, 1,1-dimethylethyl ester	540-88-5	ug/L	8.4	JN														
	Acetic acid, phenoxy-	122-59-8	ug/L			130	JN												
	Alpha-Terpineol	98-55-5	ug/L													130	EJ		
	Azobenzene	103-33-3	ug/L																
	Benzenamine, 4,4'-methylenebis-	101-77-9	ug/L																
	Benzenamine, 4-chloro-N,N-dimethyl-	698-69-1	ug/L																
	Benzenamine, N,N-dimethyl-4-nitro-	100-23-2	ug/L																
	Benzene	71-43-2	ug/L																
	Benzene, [1-(2,4-Cyclopentadiene-1-ylidene)ethyl]	2320-32-3	ug/L																
	Benzene, 1,4-diethyl-	105-05-5	ug/L																
	Benzene, 1-methyl-2-(phenylmethyl)-	713-36-0	ug/L																
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	ug/L																
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	ug/L																
	Benzeneacetic acid	103-82-2	ug/L			120	JN												
	Benzenemethanol, .alpha...alpha.-dimethyl	617-94-7	ug/L													41	JN		
	Benzenepropanoic acid	501-52-0	ug/L																
	Benzenesulfonic acid, 4-hydroxy-	98-67-9	ug/L																
	Benzoic acid	65-85-0	ug/L			470	EJ												
	Benzoic acid, 3-methyl-	99-04-7	ug/L			27	JN												
	Benzoic acid, 4-(dimethylamino)-	619-84-1	ug/L																
	Benzoic acid, 4-(methylamino)-	10541-83-0	ug/L																
	Benzoic acid, 4-(phenylmethyl)-	620-86-0	ug/L																
	Benzoic acid, 4-methyl-	99-94-5	ug/L											30	JN				
	Benothiazole	95-16-9	ug/L																
	Benzylmalonic acid	616-75-1	ug/L																
	Bicyclo[2.2.1]hept-2-ene, 5-ethyl-	15403-89-1	ug/L																
	Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1S,4S)	464-48-2	ug/L											26	JN				
	Butane, 2-methoxy-	6795-87-5	ug/L											37	JN				
	Butanoic acid	107-92-6	ug/L					33	JN										
	Butyl Stearate	123-95-5	ug/L																
	Carbonic acid, dimethyl ester	616-38-6	ug/L																
	Chloroform	67-66-3	ug/L																
	Crotonic acid	3724-65-0	ug/L																
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	ug/L																
	Cyclohexane	110-82-7	ug/L	24	JN	30	JN					R	25	JN	29	JN	22	JN	
	Cyclohexanone	108-94-1	ug/L																
	Cyclohexene, 1-methyl-4-(1-methylethenyl)-	5989-54-8	ug/L										63	JN					

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		BLD 8-1		BLD 8-2		BLD 8A-1		BLD 8B-1		BLD 8C-1		BLD 8D-1		BLD 9-1	
				Sample Date		9/19/2013 11:35		9/19/2013 14:45		9/20/2013 10:05		9/20/2013 12:20		9/19/2013 10:55		10/3/2013 16:55		9/19/2013 16:10	
						BLD 8-1 (091913)		BLD 8-2 (091913)		BLD 8A-1 (092013)		BLD 8B-1 (092013)		BLD 8C-1 (091913)		BLD8D-1 (100313)		BLD 9-1 (091913)	
Method	Analyte	CAS	Units			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCS Method SW8270C/D TIC (Cont.)	Cyclopentasiloxane, decamethyl-	541-02-6	ug/L																
	Cyclopropane, 1,2-dimethyl-, cis-	930-18-7	ug/L																
	Cyclotetrasiloxane, octamethyl-	556-67-2	ug/L																
	Cyclotrisiloxane, hexamethyl-	541-05-9	ug/L																
	Decane, 2-methyl-	6975-98-0	ug/L																
	Decane, 4-methyl-	2847-72-5	ug/L																
	Dehydroabietic acid	1740-19-8	ug/L																
	Dibutyl ether	142-96-1	ug/L																
	Dicyclohexylamine	101-83-7	ug/L																
	Disiloxane, hexamethyl-	107-46-0	ug/L																
	Dodecanoic acid	143-07-7	ug/L																
	Erucylamide	112-84-5	ug/L																
	Ethanedione, diphenyl-, dioxime	23873-81-6	ug/L			46	JN												
	Ethanol, 2-butoxy-	111-76-2	ug/L					28	JN										
	Ethylbenzene	100-41-4	ug/L																
	Formamide, N-methyl-N-phenyl-	93-61-8	ug/L																
	Formylmethylenetriphenylphosphorane	28900-91-6	ug/L																
	Heptadecanoic acid	506-12-7	ug/L																
	Hexadecanoic acid, butyl ester	111-06-8	ug/L																
	Hexanoic acid, 2-ethyl-	149-57-5	ug/L																
	Indane	496-11-7	ug/L																
	Isopropylbenzene	98-82-8	ug/L																
	Methanone, (4-aminophenyl)phenyl	1137-41-3	ug/L																
	Methylene Chloride	75-09-2	ug/L																
	m-Xylene	108-38-3	ug/L																
	n-Decane	124-18-5	ug/L																
	n-Decanoic acid	334-48-5	ug/L																
	n-Dodecane	112-40-3	ug/L																
	n-Hexadecanoic acid	57-10-3	ug/L			9.8	JN						R					48	JN
	N-Nitrosodimethylamine	62-75-9	ug/L							4	J								
	Nonane, 2,6-dimethyl-	17302-28-2	ug/L																
	Nonane, 3,7-dimethyl-	17302-32-8	ug/L																
	N-Propylbenzene	103-65-1	ug/L																
	Octadecanoic acid	57-11-4	ug/L			14	JN					12	JN					79	JN
	Octanoic Acid	124-07-2	ug/L																
	o-Toluidine	95-53-4	ug/L																
	o-Xylene	95-47-6	ug/L			62	JN	38	JN										
	Pentane, 2,2'-oxybis-	56762-00-6	ug/L																
	Pentatriacontane	630-07-9	ug/L																
	Phenol, 2-(1,1-dimethylethyl)-	88-18-6	ug/L																
	Phenol, 2-(phenylmethyl)-	28994-41-4	ug/L																
	Phenol, 4-(1,1-dimethylpropyl)-	80-46-6	ug/L																
	Phenol, 4-(phenylmethyl)-	101-53-1	ug/L																
	Phenol, 4,4'-(1-methylethylidene)bis	80-05-7	ug/L					36	JN										
	Phenol, 4-chloro-2-(phenylmethyl)-	120-32-1	ug/L																
	Phthalic anhydride	85-44-9	ug/L													62	JE		
	Podocarpa-8,11,13-trien-15-oic acid, 13-	1000164-00-3	ug/L					65	JN										
	Propanoic acid, 2-phenoxy-	940-31-8	ug/L																
	p-Xylene	106-42-3	ug/L											49	JN			36	JN
	Pyridine, 2,4-dimethyl-	108-47-4	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		BLD 8-1		BLD 8-2		BLD 8A-1		BLD 8B-1		BLD 8C-1		BLD 8D-1		BLD 9-1	
				Sample ID	Date	9/19/2013 11:35		9/19/2013 14:45		9/20/2013 10:05		9/20/2013 12:20		9/19/2013 10:55		10/3/2013 16:55		9/19/2013 16:10	
						BLD 8-1 (091913)		BLD 8-2 (091913)		BLD 8A-1 (092013)		BLD 8B-1 (092013)		BLD 8C-1 (091913)		BLD8D-1 (100313)		BLD 9-1 (091913)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCS Method SW8270C/D TIC (Cont.)	Silane, butoxytrimethyl-	1825-65-6	ug/L																
	Silane, methylenebis(methyl-	577/5654	ug/L																
	Silane, trimethyl(1-methylbutoxy)	1825-67-8	ug/L																
	Silane, trimethylphenoxy-	1529-17-5	ug/L																
	Tetradecanoic acid	544-63-8	ug/L																
	Toluene	108-88-3	ug/L																
	Triacetin	102-76-1	ug/L																
	Tributyl phosphate	126-73-8	ug/L																
	Trichloroethene	79-01-6	ug/L																
	Tridecanoic acid	638-53-9	ug/L																
	Triphenylphosphine oxide	791-28-6	ug/L																
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	ug/L	570	JN	450	JN		R		R	510	JN	1,500	JN	500	JN		
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	ug/L	64	JN	81	JN	460	JN		R	210	JN	1,200	JN	40	JN		
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	ug/L	22	JN	50	JN	320	JN		R	140	JN	1,100	JN	24	JN		
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	ug/L	20	JN	32	JN		R		R	68	JN	930	JN	16	JN		
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	ug/L	20	JN	28	JN	120	JN		R	68	JN	360	JN	15	JN		
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	ug/L	20	JN	23	JN	97	JN		R	65	JN	280	JN	13	JN		
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	ug/L	19	JN	22	JN	64	JN	17	JN	53	JN	220	JN	12	JN		
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	ug/L	19	JN	20	JN		R		R	48	JN	77	JN	9.4	JN		
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	ug/L	17	JN	18	JN	49	JN		R	47	JN	40	JN	8.5	JN		
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	ug/L	9.8	JN	18	JN	40	JN	13	JN	42	JN	38	JN	7.9	JN		
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	ug/L	9.1	JN				R		R	41	JN	31	JN	7.8	JN		
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	ug/L	9	JN				R		R	30	JN	26	JN	6.8	JN		
	UNKNOWN SEMIVOLATILE WITH 13TH HIGHEST CONC.	UNKSV13	ug/L					11	JN		R			25	JN	4.9	JN		
	UNKNOWN SEMIVOLATILE WITH 14TH HIGHEST CONC.	UNKSV14	ug/L							9.1	JN			22	JN	4.8	JN		
	UNKNOWN SEMIVOLATILE WITH 15TH HIGHEST CONC.	UNKSV15	ug/L								R			22	JN	4.8	JN		
	UNKNOWN SEMIVOLATILE WITH 16TH HIGHEST CONC.	UNKSV16	ug/L								R			19	JN				
	UNKNOWN SEMIVOLATILE WITH 17TH HIGHEST CONC.	UNKSV17	ug/L																
	UNKNOWN SEMIVOLATILE WITH 18TH HIGHEST CONC.	UNKSV18	ug/L																
	UNKNOWN SEMIVOLATILE WITH 19TH HIGHEST CONC.	UNKSV19	ug/L																
	Vanillin	121-33-5	ug/L					390	JN										

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

**2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY**

				Location		BLD 9-1		BLD 9A-1		BLD 9B-1		BLD 20-1		BLD 21A-1		BLD 24-1		BLD 24A-1		
				Sample Date		9/20/2013 14:10		10/3/2013 14:40		9/18/2013 12:30		10/24/2013 15:05		9/19/2013 16:25		9/4/2013 15:10		9/4/2013 12:30		
				Sample ID		BLD 9-1 (09202013)		BLD9A-1 (100313)		BLD 9B-1 (091813)		BLD 20-1 (102413)		BLD 21A-1 (091913)		BLD 24-1 (090413)		BLD 24A-1 (090413)		
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	
VOCs Method SW8260B/C TIC	1,2,3-Trimethylbenzene	526-73-8	ug/L																	
	1,2-Dichloro-1,1,2-trifluoroethane	354-23-4	ug/L																	
	1-Hexanol, 2-ethyl-	104-76-7	ug/L																	
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L																	
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	ug/L																	
	1H-Indene, 2,3-dihydro-5-methyl-	874-35-1	ug/L																	
	2,2-Dichloro-1,1,1-trifluoroethane	306-83-2	ug/L																	
	2,2-Dichloropropane	594-20-7	ug/L																	
	2,4-Dithiapentane	1618-26-4	ug/L																	
	2-Ethyltoluene	611-14-3	ug/L																	
	2-Heptanone	110-43-0	ug/L																	
	2-Isopropyltoluene	527-84-4	ug/L																	
	2-Methylthiophene	554-14-3	ug/L																	
	2-Pentanone	107-87-9	ug/L																	
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L																	
	3-Buten-2-one, 3-methyl-	814-78-8	ug/L																	
	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L																	
	3-Pentanone, 2,4-dimethyl-	565-80-0	ug/L																	
	4-Heptanone	123-19-3	ug/L																	
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	ug/L																	
	Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	ug/L																	
	Benzene, 1-methyl-3-propyl-	1074-43-7	ug/L																	
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	ug/L																	
	Butane, 2,2-dimethyl-	75-83-2	ug/L																	
	Butane, 2,3-dimethyl-	79-29-8	ug/L																	
	Butane, 2-methyl-	78-78-4	ug/L																	
	Cyclohexane, 1,3-dimethyl-, cis-	638-04-0	ug/L																	
	Cyclohexene	110-83-8	ug/L																	
	Cyclopentane, methyl-	96-37-7	ug/L																	
	Dichlorofluoromethane	75-43-4	ug/L		3	J	1.4	J												
	Dimethyl sulfide	75-18-3	ug/L																	
	Disiloxane, hexamethyl-	107-46-0	ug/L																	
	Epichlorohydrin	106-89-8	ug/L																	
	Ethane, 1-chloro-1-fluoro-	1615-75-4	ug/L																	
	Ethene, 1-chloro-1-fluoro-	2317-91-1	ug/L																	
	Ethene, chlorotrifluoro-	79-38-9	ug/L																	
	Ethyl tert-butyl ether	637-92-3	ug/L																	
	Hexachlorobutadiene	87-68-3	ug/L																	
	Hexane, 2-methyl-	591-76-4	ug/L																	
	Hexane, 3-methyl-	589-34-4	ug/L																	
	Hexanoic acid, hexyl ester	6378-65-0	ug/L																	
	Hexanoic acid, pentyl ester	540-07-8	ug/L																	
	Hydroperoxide, 1-methylethy	3031-75-2	ug/L																	
	Indane	496-11-7	ug/L																	
	Indene	95-13-6	ug/L																	
	Isopropyl alcohol	67-63-0	ug/L												620	J				
	Isopropyl ether	108-20-3	ug/L														1.5	J	2.2	J
Methanethiol	74-93-1	ug/L																		
Naphthalene, 1,3-dimethyl-	575-41-7	ug/L																		
Naphthalene, 1,4,6-trimethyl-	2131-42-2	ug/L																		

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		BLD 9-1		BLD 9A-1		BLD 9B-1		BLD 20-1		BLD 21A-1		BLD 24-1		BLD 24A-1	
				Sample Date		9/20/2013 14:10		10/3/2013 14:40		9/18/2013 12:30		10/24/2013 15:05		9/19/2013 16:25		9/4/2013 15:10		9/4/2013 12:30	
				Sample ID		BLD 9-1 (09202013)		BLD9A-1 (100313)		BLD 9B-1 (091813)		BLD 20-1 (102413)		BLD 21A-1 (091913)		BLD 24-1 (090413)		BLD 24A-1 (090413)	
				Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC (Cont.)	Naphthalene, 1,6,7-trimethyl-	2245-38-7	ug/L																
	Naphthalene, 1-ethyl-	1127-76-0	ug/L																
	Naphthalene, 2,3,6-trimethyl-	829-26-5	ug/L																
	Naphthalene, 2,6-dimethyl-	581-42-0	ug/L																
	Pentane, 2-methyl-	107-83-5	ug/L																
	Propanal, 2-methyl-	78-84-2	ug/L					3.5	JN										
	Propene	115-07-1	ug/L																
	Propionitrile	107-12-0	ug/L																
	Silane, fluorotrimethyl-	420-56-4	ug/L																R
	Silane, methoxytrimethyl-	1825-61-2	ug/L																
	Silanol, trimethyl-	1066-40-6	ug/L					12	JN							R			
	tert-Butyldimethylsilano	18173-64-3	ug/L																
	Trans-2-butene	624-64-6	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	ug/L					3.9	JN	7.9	JN					R		R	
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	ug/L							4.5	JN								
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	ug/L																
SVOcs Method SW8270C/D TIC	[1,1'-Bicyclohexyl]-2-one	90-42-6	ug/L																
	1,2,3-Trimethylbenzene	526-73-8	ug/L																
	1,2,4,5-Tetramethylbenzene	95-93-2	ug/L																
	1,2,4-Trimethylbenzene	95-63-6	ug/L																
	1,2-Dichloroethene (total)	540-59-0	ug/L																
	1,2-Diphenylhydrazine	122-66-7	ug/L																
	1,3,5-Cycloheptatriene	544-25-2	ug/L																
	1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tri-2-propen-1-yl	1025-15-6	ug/L																
	1,3,5-Trimethylbenzene	108-67-8	ug/L																
	1,3,5-Trithiane	291-21-4	ug/L																
	1,4-Dioxane	123-91-1	ug/L															21	J
	17-Pentatriacontene	6971-40-0	ug/L																
	1-Decene	872-05-9	ug/L																
	1-Docosene	1599-67-3	ug/L																
	1H,3H-Naphtho[1,8-cd]pyran-1-one	518-86-5	ug/L																
	1H-Benzotriazole, 5-methyl-	136-85-6	ug/L											340	JN				
	1-Hepten-3-yne	2384-73-8	ug/L																
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L																
	1-Penten-3-ol, 3-ethyl-2-methyl-	28832-46-4	ug/L																
	2,4-Dithiapentane	1618-26-4	ug/L																
	2-Butanol, 3-methyl-, (S)-	1517-66-4	ug/L																
	2-Cyclohexen-1-one	930-68-7	ug/L																
	2-Cyclopenten-1-one, 2,3-dimethyl-	1121-05-7	ug/L																
	2-Ethyltoluene	611-14-3	ug/L																
	2-Pentanol, 2-methyl-	590-36-3	ug/L																
	2-Pentanol, 4-methyl-	108-11-2	ug/L																
	2-Propanol, 1-[1-methyl-2-(2-propenyloxy)ethoxy]	55956-25-7	ug/L																
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		Sample Date		Sample ID		BLD 9-1		BLD 9A-1		BLD 9B-1		BLD 20-1		BLD 21A-1		BLD 24-1		BLD 24A-1	
										9/20/2013 14:10		10/3/2013 14:40		9/18/2013 12:30		10/24/2013 15:05		9/19/2013 16:25		9/4/2013 15:10		9/4/2013 12:30	
										BLD 9-1 (09202013)		BLD9A-1 (100313)		BLD 9B-1 (091813)		BLD 20-1 (102413)		BLD 21A-1 (091913)		BLD 24-1 (090413)		BLD 24A-1 (090413)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L																				
	3-Hexenedinitrile	1119-85-3	ug/L																				
	4,4'-Diaminobenzophenone	611-98-3	ug/L					27	JN														
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	ug/L																				
	4-Methyl-2-pentanone	108-10-1	ug/L																				
	4-Methylphenol	106-44-5	ug/L																				
	4-Nitrosophenyl-.beta.-phenylpropionate	1000129-40-0	ug/L															76	JN				
	4-Piperidinone, 2,2,6,6-tetramethyl-	826-36-8	ug/L																				
	5-Nitro-o-toluidine	99-55-8	ug/L																				
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	ug/L																				
	9-Octadecenamide, (Z)-	301-02-0	ug/L																				
	Acetic acid	64-19-7	ug/L																				
	Acetic acid, (trimethylsilyl)-	2345-38-2	ug/L																				
	Acetic acid, 1,1-dimethylethyl ester	540-88-5	ug/L																				
	Acetic acid, phenoxy-	122-59-8	ug/L																		9.1	JN	
	Alpha-Terpineol	98-55-5	ug/L																				
	Azobenzene	103-33-3	ug/L																				
	Benzenamine, 4,4'-methylenebis-	101-77-9	ug/L					24	JN														
	Benzenamine, 4-chloro-N,N-dimethyl-	698-69-1	ug/L																				
	Benzenamine, N,N-dimethyl-4-nitro-	100-23-2	ug/L																				
	Benzene	71-43-2	ug/L																				
	Benzene, [1-(2,4-Cyclopentadiene-1-ylidene)ethyl]	2320-32-3	ug/L																				
	Benzene, 1,4-diethyl-	105-05-5	ug/L																				
	Benzene, 1-methyl-2-(phenylmethyl)	713-36-0	ug/L																				
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	ug/L																				
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	ug/L																				
	Benzeneacetic acid	103-82-2	ug/L															13	JN				
	Benzenemethanol, .alpha...alpha.-dimethyl	617-94-7	ug/L																				
	Benzenepropanoic acid	501-52-0	ug/L																				
	Benzenesulfonic acid, 4-hydroxy-	98-67-9	ug/L																				
	Benzoic acid	65-85-0	ug/L															160	J				
	Benzoic acid, 3-methyl-	99-04-7	ug/L																				
	Benzoic acid, 4-(dimethylamino)-	619-84-1	ug/L																				
	Benzoic acid, 4-(methylamino)-	10541-83-0	ug/L																				
	Benzoic acid, 4-(phenylmethyl)-	620-86-0	ug/L																				
	Benzoic acid, 4-methyl-	99-94-5	ug/L																				
	Benzothiazole	95-16-9	ug/L																				
	Benzylmalonic acid	616-75-1	ug/L																				
	Bicyclo[2.2.1]hept-2-ene, 5-ethyl-	15403-89-1	ug/L																				
	Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1S,4S)	464-48-2	ug/L																				
	Butane, 2-methoxy-	6795-87-5	ug/L																				
	Butanoic acid	107-92-6	ug/L																				
	Butyl Stearate	123-95-5	ug/L																	18	JN		
	Carbonic acid, dimethyl ester	616-38-6	ug/L																				
	Chloroform	67-66-3	ug/L													4.5	JN						
	Crotonic acid	3724-65-0	ug/L																				
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	ug/L																				
	Cyclohexane	110-82-7	ug/L			47	JN	15	JN	38	JN							19	JN	19	JN		
	Cyclohexanone	108-94-1	ug/L																				
	Cyclohexene, 1-methyl-4-(1-methylethenyl)	5989-54-8	ug/L																				

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		BLD 9-1		BLD 9A-1		BLD 9B-1		BLD 20-1		BLD 21A-1		BLD 24-1		BLD 24A-1	
				Sample Date		9/20/2013 14:10		10/3/2013 14:40		9/18/2013 12:30		10/24/2013 15:05		9/19/2013 16:25		9/4/2013 15:10		9/4/2013 12:30	
				Sample ID		BLD 9-1 (09202013)		BLD9A-1 (100313)		BLD 9B-1 (091813)		BLD 20-1 (102413)		BLD 21A-1 (091913)		BLD 24-1 (090413)		BLD 24A-1 (090413)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Cyclopentasiloxane, decamethyl-	541-02-6	ug/L																
	Cyclopropane, 1,2-dimethyl-, cis-	930-18-7	ug/L																
	Cyclotetrasiloxane, octamethyl-	556-67-2	ug/L																
	Cyclotrisiloxane, hexamethyl-	541-05-9	ug/L																
	Decane, 2-methyl-	6975-98-0	ug/L																
	Decane, 4-methyl-	2847-72-5	ug/L																
	Dehydroabietic acid	1740-19-8	ug/L																
	Dibutyl ether	142-96-1	ug/L																
	Dicyclohexylamine	101-83-7	ug/L																
	Disiloxane, hexamethyl-	107-46-0	ug/L																
	Dodecanoic acid	143-07-7	ug/L											110	JN				
	Erucylamide	112-84-5	ug/L									4.4	JN						
	Ethanedione, diphenyl-, dioxime	23873-81-6	ug/L					46	JN										
	Ethanol, 2-butoxy-	111-76-2	ug/L																
	Ethylbenzene	100-41-4	ug/L																
	Formamide, N-methyl-N-phenyl-	93-61-8	ug/L																
	Formylmethylenetriphenylphosphorane	28900-91-6	ug/L																
	Heptadecanoic acid	506-12-7	ug/L																
	Hexadecanoic acid, butyl ester	111-06-8	ug/L													34	JN		
	Hexanoic acid, 2-ethyl-	149-57-5	ug/L																
	Indane	496-11-7	ug/L																
	Isopropylbenzene	98-82-8	ug/L																
	Methanone, (4-aminophenyl)phenyl	1137-41-3	ug/L							73	JN								
	Methylene Chloride	75-09-2	ug/L																
	m-Xylene	108-38-3	ug/L																
	n-Decane	124-18-5	ug/L																
	n-Decanoic acid	334-48-5	ug/L											11	JN				
	n-Dodecane	112-40-3	ug/L																
	n-Hexadecanoic acid	57-10-3	ug/L					6.7	JN					19	JN				
	N-Nitrosodimethylamine	62-75-9	ug/L																
	Nonane, 2,6-dimethyl-	17302-28-2	ug/L																
	Nonane, 3,7-dimethyl-	17302-32-8	ug/L																
	N-Propylbenzene	103-65-1	ug/L																
	Octadecanoic acid	57-11-4	ug/L					12	JN					22	JN			7.3	JN
	Octanoic Acid	124-07-2	ug/L									6	JN	51	JN				
	o-Toluidine	95-53-4	ug/L																
	o-Xylene	95-47-6	ug/L																
	Pentane, 2,2'-oxybis-	56762-00-6	ug/L																
	Pentatriacontane	630-07-9	ug/L																
	Phenol, 2-(1,1-dimethylethyl)-	88-18-6	ug/L																
	Phenol, 2-(phenylmethyl)-	28994-41-4	ug/L																
	Phenol, 4-(1,1-dimethylpropyl)-	80-46-6	ug/L																
	Phenol, 4-(phenylmethyl)-	101-53-1	ug/L																
	Phenol, 4,4'-(1-methylethylidene)bis-	80-05-7	ug/L																
	Phenol, 4-chloro-2-(phenylmethyl)-	120-32-1	ug/L																
	Phthalic anhydride	85-44-9	ug/L																
	Podocarpa-8,11,13-trien-15-oic acid, 13-	1000164-00-3	ug/L																
	Propanoic acid, 2-phenoxy-	940-31-8	ug/L															8.2	JN
	p-Xylene	106-42-3	ug/L							19	JN	13	JN						
	Pyridine, 2,4-dimethyl-	108-47-4	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		BLD 9-1		BLD 9A-1		BLD 9B-1		BLD 20-1		BLD 21A-1		BLD 24-1		BLD 24A-1	
				Sample Date	Sample ID	9/20/2013 14:10		10/3/2013 14:40		9/18/2013 12:30		10/24/2013 15:05		9/19/2013 16:25		9/4/2013 15:10		9/4/2013 12:30	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Silane, butoxytrimethyl-	1825-65-6	ug/L																
	Silane, methylenebis(methyl-	5/7/5654	ug/L																
	Silane, trimethyl(1-methylbutoxy)-	1825-67-8	ug/L																
	Silane, trimethylphenoxy-	1529-17-5	ug/L																
	Tetradecanoic acid	544-63-8	ug/L																
	Toluene	108-88-3	ug/L																
	Triacetin	102-76-1	ug/L																
	Tributyl phosphate	126-73-8	ug/L																
	Trichloroethene	79-01-6	ug/L																
	Tridecanoic acid	638-53-9	ug/L																
	Triphenylphosphine oxide	791-28-6	ug/L																
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	ug/L					1,800	JN	340	JN	47	JN	62	JN	270	JN	230	JN
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	ug/L					49	JN	92	JN	29	JN	55	JN	46	JN	45	JN
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	ug/L					41	JN	62	JN	27	JN	55	JN	41	JN	29	JN
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	ug/L					38	JN	52	JN	21	JN	43	JN	30	JN	22	JN
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	ug/L					34	JN	31	JN	20	JN	39	JN	29	JN	19	JN
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	ug/L					32	JN	24	JN	10	JN	33	JN	27	JN	18	JN
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	ug/L					23	JN	17	JN	6.2	JN	22	JN	22	JN	16	JN
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	ug/L					21	JN	11	JN	5.9	JN	17	JN	20	JN	12	JN
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	ug/L					18	JN	11	JN	5.8	JN	12	JN	20	JN	12	JN
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	ug/L					16	JN	9.4	JN	5.7	JN	11	JN	19	JN	10	JN
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	ug/L					15	JN	9.4	JN	4.6	JN			16	JN	9	JN
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	ug/L					15	JN	8.9	JN	3.8	JN			15	JN	6.8	JN
	UNKNOWN SEMIVOLATILE WITH 13TH HIGHEST CONC.	UNKSV13	ug/L					15	JN	8.8	JN	2.9	JN			13	JN	6	JN
	UNKNOWN SEMIVOLATILE WITH 14TH HIGHEST CONC.	UNKSV14	ug/L					11	JN	7.8	JN	2.8	JN			13	JN	5.9	JN
	UNKNOWN SEMIVOLATILE WITH 15TH HIGHEST CONC.	UNKSV15	ug/L					10	JN							12	JN	5.8	JN
	UNKNOWN SEMIVOLATILE WITH 16TH HIGHEST CONC.	UNKSV16	ug/L					7.8	JN							12	JN		
	UNKNOWN SEMIVOLATILE WITH 17TH HIGHEST CONC.	UNKSV17	ug/L					7.3	JN							11	JN		
	UNKNOWN SEMIVOLATILE WITH 18TH HIGHEST CONC.	UNKSV18	ug/L																
	UNKNOWN SEMIVOLATILE WITH 19TH HIGHEST CONC.	UNKSV19	ug/L																
	Vanillin	121-33-5	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		Sample Date		Sample ID		BLD 29-1		BLD 36-1		BLD 41-1		BLD 43-1		BLD 45-1		BLD 46-1	
										9/3/2013 15:55		10/1/2013 11:15		9/26/2013 12:30		8/30/2013 15:25		8/28/2013 15:07		9/17/2013 11:35	
										BLD 29-1 (090313)		BLD 36-1 (10/01/13)		BLD 41-1 (092613)		BLD 43-1 (083013)		BLD 45-1 (082813)		BLD 46-1 (091713)	
				Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC	1,2,3-Trimethylbenzene	526-73-8	ug/L																		
	1,2-Dichloro-1,1,2-trifluoroethane	354-23-4	ug/L																		
	1-Hexanol, 2-ethyl-	104-76-7	ug/L																		
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L																		
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	ug/L																		
	1H-Indene, 2,3-dihydro-5-methyl-	874-35-1	ug/L																		
	2,2-Dichloro-1,1,1-trifluoroethane	306-83-2	ug/L																		
	2,2-Dichloropropane	594-20-7	ug/L																		
	2,4-Dithiapentane	1618-26-4	ug/L																		
	2-Ethyltoluene	611-14-3	ug/L																		
	2-Heptanone	110-43-0	ug/L																		
	2-Isopropyltoluene	527-84-4	ug/L																		
	2-Methylthiophene	554-14-3	ug/L																		
	2-Pentanone	107-87-9	ug/L																		
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L																		
	3-Buten-2-one, 3-methyl-	814-78-8	ug/L																		
	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L																		
	3-Pentanone, 2,4-dimethyl-	565-80-0	ug/L																		
	4-Heptanone	123-19-3	ug/L																		
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	ug/L																		
	Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	ug/L																		
	Benzene, 1-methyl-3-propyl-	1074-43-7	ug/L																		
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	ug/L																		
	Butane, 2,2-dimethyl-	75-83-2	ug/L																		
	Butane, 2,3-dimethyl-	79-29-8	ug/L																		
	Butane, 2-methyl-	78-78-4	ug/L																		
	Cyclohexane, 1,3-dimethyl-, cis-	638-04-0	ug/L																		
	Cyclohexene	110-83-8	ug/L																		
	Cyclopentane, methyl-	96-37-7	ug/L																		
	Dichlorofluoromethane	75-43-4	ug/L													2.6	J			0.52	J
	Dimethyl sulfide	75-18-3	ug/L																		
	Disiloxane, hexamethyl-	107-46-0	ug/L																		
	Epichlorohydrin	106-89-8	ug/L																		
	Ethane, 1-chloro-1-fluoro-	1615-75-4	ug/L																		
	Ethene, 1-chloro-1-fluoro-	2317-91-1	ug/L											4.9	JN						
	Ethene, chlorotrifluoro-	79-38-9	ug/L																		
	Ethyl tert-butyl ether	637-92-3	ug/L																		
	Hexachlorobutadiene	87-68-3	ug/L																		
	Hexane, 2-methyl-	591-76-4	ug/L																		
	Hexane, 3-methyl-	589-34-4	ug/L																		
	Hexanoic acid, hexyl ester	6378-65-0	ug/L																		
	Hexanoic acid, pentyl ester	540-07-8	ug/L																		
	Hydroperoxide, 1-methylethy	3031-75-2	ug/L																		
	Indane	496-11-7	ug/L																		
	Indene	95-13-6	ug/L																		
	Isopropyl alcohol	67-63-0	ug/L																		
	Isopropyl ether	108-20-3	ug/L																		
	Methanethiol	74-93-1	ug/L																		
	Naphthalene, 1,3-dimethyl-	575-41-7	ug/L																		
	Naphthalene, 1,4,6-trimethyl-	2131-42-2	ug/L																		

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		Sample Date		Sample ID		BLD 29-1		BLD 36-1		BLD 41-1		BLD 43-1		BLD 45-1		BLD 46-1	
										9/3/2013 15:55		10/1/2013 11:15		9/26/2013 12:30		8/30/2013 15:25		8/28/2013 15:07		9/17/2013 11:35	
										BLD 29-1 (090313)		BLD 36-1 (10/01/13)		BLD41-1 (092613)		BLD 43-1 (083013)		BLD-45-1 (082813)		BLD 46-1 (091713)	
				Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC (Cont.)	Naphthalene, 1,6,7-trimethyl-	2245-38-7	ug/L																		
	Naphthalene, 1-ethyl-	1127-76-0	ug/L																		
	Naphthalene, 2,3,6-trimethyl-	829-26-5	ug/L																		
	Naphthalene, 2,6-dimethyl-	581-42-0	ug/L																		
	Pentane, 2-methyl-	107-83-5	ug/L																		
	Propanal, 2-methyl-	78-84-2	ug/L																		
	Propene	115-07-1	ug/L																		
	Propionitrile	107-12-0	ug/L																		
	Silane, fluorotrimethyl-	420-56-4	ug/L		R																
	Silane, methoxytrimethyl-	1825-61-2	ug/L																		
	Silanol, trimethyl-	1066-40-6	ug/L																		
	tert-Butyldimethylsilano	18173-64-3	ug/L																		
	Trans-2-butene	624-64-6	ug/L																		
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	ug/L	390	JN		R	11	JN		R							7.3	JN	6.5	JN
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	ug/L	2.7	JN			6.8	JN											4.2	JN
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	ug/L					6.3	JN												
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	ug/L																		
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	ug/L																		
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	ug/L																		
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	ug/L																		
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	ug/L																		
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	ug/L																		
SVOCs Method SW8270C/D TIC	[1,1'-Bicyclohexyl]-2-one	90-42-6	ug/L																		
	1,2,3-Trimethylbenzene	526-73-8	ug/L																		
	1,2,4,5-Tetramethylbenzene	95-93-2	ug/L																		
	1,2,4-Trimethylbenzene	95-63-6	ug/L																		
	1,2-Dichloroethene (total)	540-59-0	ug/L																		
	1,2-Diphenylhydrazine	122-66-7	ug/L																		
	1,3,5-Cycloheptatriene	544-25-2	ug/L																		
	1,3,5-Triazine-2,4,6-(1H,3H,5H)-trione, 1,3,5-tri-2-propen-1-yl	1025-15-6	ug/L																		
	1,3,5-Trimethylbenzene	108-67-8	ug/L																		
	1,3,5-Trithiane	291-21-4	ug/L																		
	1,4-Dioxane	123-91-1	ug/L																		
	17-Pentatriacontene	6971-40-0	ug/L	15	JN																
	1-Decene	872-05-9	ug/L																		
	1-Docosene	1599-67-3	ug/L	14	JN																
	1H,3H-Naphtho[1,8-cd]pyran-1-one	518-86-5	ug/L																		
	1H-Benzotriazole, 5-methyl-	136-85-6	ug/L			12	JN														
	1-Hepten-3-yne	2384-73-8	ug/L																		
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L																		
	1-Penten-3-ol, 3-ethyl-2-methyl-	28832-46-4	ug/L																		
	2,4-Dithiapentane	1618-26-4	ug/L																		
	2-Butanol, 3-methyl-, (S)-	1517-66-4	ug/L																		
	2-Cyclohexen-1-one	930-68-7	ug/L																		
	2-Cyclopenten-1-one, 2,3-dimethyl-	1121-05-7	ug/L																		
	2-Ethyltoluene	611-14-3	ug/L																		
	2-Pentanol, 2-methyl-	590-36-3	ug/L																		
	2-Pentanol, 4-methyl-	108-11-2	ug/L																		
	2-Propanol, 1-[1-methyl-2-(2-propenyloxy)ethoxy]	55956-25-7	ug/L																		
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L																		

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		BLD 29-1		BLD 36-1		BLD 41-1		BLD 43-1		BLD 45-1		BLD 46-1	
				Sample Date	Sample ID	9/3/2013 15:55		10/1/2013 11:15		9/26/2013 12:30		8/30/2013 15:25		8/28/2013 15:07		9/17/2013 11:35	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L														
	3-Hexenedinitrile	1119-85-3	ug/L														
	4,4'-Diaminobenzophenone	611-98-3	ug/L														
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	ug/L														
	4-Methyl-2-pentanone	108-10-1	ug/L														
	4-Methylphenol	106-44-5	ug/L														
	4-Nitrosophenyl-.beta.-phenylpropionate	1000129-40-0	ug/L														
	4-Piperidinone, 2,2,6,6-tetramethyl-	826-36-8	ug/L														
	5-Nitro-o-toluidine	99-55-8	ug/L														
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	ug/L														
	9-Octadecenamide, (Z)-	301-02-0	ug/L													10	JN
	Acetic acid	64-19-7	ug/L														
	Acetic acid, (trimethylsilyl)-	2345-38-2	ug/L														
	Acetic acid, 1,1-dimethylethyl ester	540-88-5	ug/L														
	Acetic acid, phenoxy-	122-59-8	ug/L														
	Alpha-Terpineol	98-55-5	ug/L														
	Azobenzene	103-33-3	ug/L														
	Benzenamine, 4,4'-methylenebis-	101-77-9	ug/L														
	Benzenamine, 4-chloro-N,N-dimethyl-	698-69-1	ug/L														
	Benzenamine, N,N-dimethyl-4-nitro-	100-23-2	ug/L														
	Benzene	71-43-2	ug/L														
	Benzene, [1-(2,4-Cyclopentadiene-1-ylidene)ethyl]	2320-32-3	ug/L														
	Benzene, 1,4-diethyl-	105-05-5	ug/L														
	Benzene, 1-methyl-2-(phenylmethyl)	713-36-0	ug/L														
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	ug/L														
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	ug/L														
	Benzeneacetic acid	103-82-2	ug/L														
	Benzenemethanol, .alpha...alpha.-dimethyl	617-94-7	ug/L														
	Benzenepropanoic acid	501-52-0	ug/L														
	Benzenesulfonic acid, 4-hydroxy-	98-67-9	ug/L														
	Benzoic acid	65-85-0	ug/L														
	Benzoic acid, 3-methyl-	99-04-7	ug/L														
	Benzoic acid, 4-(dimethylamino)-	619-84-1	ug/L														
	Benzoic acid, 4-(methylamino)-	10541-83-0	ug/L														
	Benzoic acid, 4-(phenylmethyl)-	620-86-0	ug/L														
	Benzoic acid, 4-methyl-	99-94-5	ug/L														
	Benzothiazole	95-16-9	ug/L														
	Benzylmalonic acid	616-75-1	ug/L														
	Bicyclo[2.2.1]hept-2-ene, 5-ethyl-	15403-89-1	ug/L														
	Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1S,4S)	464-48-2	ug/L														
	Butane, 2-methoxy-	6795-87-5	ug/L														
	Butanoic acid	107-92-6	ug/L														
	Butyl Stearate	123-95-5	ug/L														
	Carbonic acid, dimethyl ester	616-38-6	ug/L														
	Chloroform	67-66-3	ug/L														
	Crotonic acid	3724-65-0	ug/L														
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	ug/L														
	Cyclohexane	110-82-7	ug/L	23	JN			36	JN	36	JN	46	JN	R	42	JN	73 JN
	Cyclohexanone	108-94-1	ug/L														
	Cyclohexene, 1-methyl-4-(1-methylethenyl)	5989-54-8	ug/L														

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		BLD 29-1		BLD 36-1		BLD 41-1		BLD 43-1		BLD 45-1		BLD 46-1	
				Sample Date	Sample ID	9/3/2013 15:55		10/1/2013 11:15		9/26/2013 12:30		8/30/2013 15:25		8/28/2013 15:07		9/17/2013 11:35	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Cyclopentasiloxane, decamethyl-	541-02-6	ug/L														
	Cyclopropane, 1,2-dimethyl-, cis	930-18-7	ug/L														
	Cyclotetrasiloxane, octamethyl-	556-67-2	ug/L														
	Cyclotrisiloxane, hexamethyl-	541-05-9	ug/L														
	Decane, 2-methyl-	6975-98-0	ug/L														
	Decane, 4-methyl-	2847-72-5	ug/L														
	Dehydroabietic acid	1740-19-8	ug/L														
	Dibutyl ether	142-96-1	ug/L														
	Dicyclohexylamine	101-83-7	ug/L														
	Disiloxane, hexamethyl-	107-46-0	ug/L														
	Dodecanoic acid	143-07-7	ug/L														
	Erucylamide	112-84-5	ug/L														
	Ethanedione, diphenyl-, dioxime	23873-81-6	ug/L			86	JN										
	Ethanol, 2-butoxy-	111-76-2	ug/L														
	Ethylbenzene	100-41-4	ug/L														
	Formamide, N-methyl-N-phenyl-	93-61-8	ug/L														
	Formylmethylenetriphenylphosphorane	28900-91-6	ug/L														
	Heptadecanoic acid	506-12-7	ug/L														
	Hexadecanoic acid, butyl ester	111-06-8	ug/L														
	Hexanoic acid, 2-ethyl-	149-57-5	ug/L														
	Indane	496-11-7	ug/L														
	Isopropylbenzene	98-82-8	ug/L														
	Methanone, (4-aminophenyl)phenyl	1137-41-3	ug/L														
	Methylene Chloride	75-09-2	ug/L														
	m-Xylene	108-38-3	ug/L			25	JN					3.1	JN	6	JN	31	JN
	n-Decane	124-18-5	ug/L														
	n-Decanoic acid	334-48-5	ug/L														
	n-Dodecane	112-40-3	ug/L														
	n-Hexadecanoic acid	57-10-3	ug/L							3.6	JN	6.7	JN	4	JN	12	JN
	N-Nitrosodimethylamine	62-75-9	ug/L														
	Nonane, 2,6-dimethyl-	17302-28-2	ug/L														
	Nonane, 3,7-dimethyl-	17302-32-8	ug/L														
	N-Propylbenzene	103-65-1	ug/L														
	Octadecanoic acid	57-11-4	ug/L			19	JN	15	JN			5.2	JN	2	JN	21	JN
	Octanoic Acid	124-07-2	ug/L														
	o-Toluidine	95-53-4	ug/L														
	o-Xylene	95-47-6	ug/L														
	Pentane, 2,2'-oxybis-	56762-00-6	ug/L														
	Pentatriacontane	630-07-9	ug/L														
	Phenol, 2-(1,1-dimethylethyl)-	88-18-6	ug/L					13	JN								
	Phenol, 2-(phenylmethyl)-	28994-41-4	ug/L														
	Phenol, 4-(1,1-dimethylpropyl)-	80-46-6	ug/L														
	Phenol, 4-(phenylmethyl)-	101-53-1	ug/L														
	Phenol, 4,4'-(1-methylethylidene)bis-	80-05-7	ug/L					15	JN								
	Phenol, 4-chloro-2-(phenylmethyl)-	120-32-1	ug/L														
	Phthalic anhydride	85-44-9	ug/L														
	Podocarpa-8,11,13-trien-15-oic acid, 13-	1000164-00-3	ug/L														
	Propanoic acid, 2-phenoxy-	940-31-8	ug/L														
	p-Xylene	106-42-3	ug/L														
	Pyridine, 2,4-dimethyl-	108-47-4	ug/L														

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		BLD 29-1		BLD 36-1		BLD 41-1		BLD 43-1		BLD 45-1		BLD 46-1	
				Sample Date	Sample ID	9/3/2013 15:55		10/1/2013 11:15		9/26/2013 12:30		8/30/2013 15:25		8/28/2013 15:07		9/17/2013 11:35	
						BLD 29-1 (090313)	Qual	BLD 36-1 (10/01/13)	Qual	BLD41-1 (092613)	Qual	BLD 43-1 (083013)	Qual	BLD-45-1 (082813)	Qual	BLD 46-1 (091713)	BMS-DUP (091713)
SVOCS Method SW8270C/D TIC (Cont.)	Silane, butoxytrimethyl-	1825-65-6	ug/L														
	Silane, methylenebis(methyl-	5/7/5654	ug/L														
	Silane, trimethyl(1-methylbutoxy)-	1825-67-8	ug/L														
	Silane, trimethylphenoxy-	1529-17-5	ug/L														
	Tetradecanoic acid	544-63-8	ug/L														
	Toluene	108-88-3	ug/L												8.2	JN	
	Triacetin	102-76-1	ug/L														
	Tributyl phosphate	126-73-8	ug/L														
	Trichloroethene	79-01-6	ug/L														
	Tridecanoic acid	638-53-9	ug/L														
	Triphenylphosphine oxide	791-28-6	ug/L														
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	ug/L			230	JN	1,000	JN	710	JN	1,300	JN	740	JN	540	JN
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	ug/L			86	JN	46	JN	60	JN	25	JN	21	JN	66	JN
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	ug/L			79	JN	33	JN	41	JN	18	JN	20	JN	58	JN
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	ug/L			53	JN	30	JN	34	JN	2.7	JN	16	JN	35	JN
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	ug/L			47	JN	25	JN	27	JN			15	JN	32	JN
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	ug/L			42	JN	22	JN	23	JN			15	JN	25	JN
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	ug/L			30	JN	21	JN	21	JN			7.3	JN	25	JN
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	ug/L			20	JN	20	JN	17	JN			7	JN	20	JN
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	ug/L			14	JN	20	JN	14	JN			4.5	JN	16	JN
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	ug/L			13	JN	16	JN	13	JN			3.6	JN	14	JN
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	ug/L			13	JN	15	JN	12	JN			2.2	JN	12	JN
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	ug/L			13	JN	12	JN	10	JN					12	JN
	UNKNOWN SEMIVOLATILE WITH 13TH HIGHEST CONC.	UNKSV13	ug/L			11	JN	12	JN	9.9	JN					9.9	JN
	UNKNOWN SEMIVOLATILE WITH 14TH HIGHEST CONC.	UNKSV14	ug/L			9	JN	11	JN	8.4	JN					9.6	JN
	UNKNOWN SEMIVOLATILE WITH 15TH HIGHEST CONC.	UNKSV15	ug/L					10	JN	5.6	JN					5.2	JN
	UNKNOWN SEMIVOLATILE WITH 16TH HIGHEST CONC.	UNKSV16	ug/L							5.1	JN						
	UNKNOWN SEMIVOLATILE WITH 17TH HIGHEST CONC.	UNKSV17	ug/L							4.5	JN						
	UNKNOWN SEMIVOLATILE WITH 18TH HIGHEST CONC.	UNKSV18	ug/L							3.9	JN						
	UNKNOWN SEMIVOLATILE WITH 19TH HIGHEST CONC.	UNKSV19	ug/L														
	Vanillin	121-33-5	ug/L														

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		Sample Date		BLD 56-1D		BLD 56-1S		BLD 62-1D		BLD 62-1S		BLD 68-1		CHP43RX *	
				Sample ID		10/3/2013 11:00		10/2/2013 14:25		9/11/2013 14:30		9/11/2013 12:50		9/9/2013 10:10		12/19/2013 13:30			
				BLD56-1D (100313)		BLD56-1S (100213)		BLD62-1 (S) (9/11/13)		BLD62-1 (D) (9/11/13)		BLD 68-1 (090913)		CHP43RX(12192013)-Grab					
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC	1,2,3-Trimethylbenzene	526-73-8	ug/L																
	1,2-Dichloro-1,1,2-trifluoroethane	354-23-4	ug/L																
	1-Hexanol, 2-ethyl-	104-76-7	ug/L																
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L																
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	ug/L																
	1H-Indene, 2,3-dihydro-5-methyl-	874-35-1	ug/L																
	2,2-Dichloro-1,1,1-trifluoroethane	306-83-2	ug/L																
	2,2-Dichloropropane	594-20-7	ug/L																
	2,4-Dithiapentane	1618-26-4	ug/L									4.1	JN						
	2-Ethyltoluene	611-14-3	ug/L																
	2-Heptanone	110-43-0	ug/L																
	2-Isopropyltoluene	527-84-4	ug/L																
	2-Methylthiophene	554-14-3	ug/L																
	2-Pentanone	107-87-9	ug/L																
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L																
	3-Buten-2-one, 3-methyl-	814-78-8	ug/L																
	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L																
	3-Pentanone, 2,4-dimethyl-	565-80-0	ug/L																
	4-Heptanone	123-19-3	ug/L																
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	ug/L																
	Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	ug/L																
	Benzene, 1-methyl-3-propyl-	1074-43-7	ug/L																
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	ug/L																
	Butane, 2,2-dimethyl-	75-83-2	ug/L																
	Butane, 2,3-dimethyl-	79-29-8	ug/L																
	Butane, 2-methyl-	78-78-4	ug/L																
	Cyclohexane, 1,3-dimethyl-, cis-	638-04-0	ug/L																
	Cyclohexene	110-83-8	ug/L																
	Cyclopentane, methyl-	96-37-7	ug/L																
	Dichlorofluoromethane	75-43-4	ug/L			14	J					6.5	J						
	Dimethyl sulfide	75-18-3	ug/L									76	JN						
	Disiloxane, hexamethyl-	107-46-0	ug/L																
	Epichlorohydrin	106-89-8	ug/L																
	Ethane, 1-chloro-1-fluoro-	1615-75-4	ug/L																
	Ethene, 1-chloro-1-fluoro-	2317-91-1	ug/L																
	Ethene, chlorotrifluoro-	79-38-9	ug/L																
	Ethyl tert-butyl ether	637-92-3	ug/L																
	Hexachlorobutadiene	87-68-3	ug/L																
	Hexane, 2-methyl-	591-76-4	ug/L																
	Hexane, 3-methyl-	589-34-4	ug/L																
	Hexanoic acid, hexyl ester	6378-65-0	ug/L																
	Hexanoic acid, pentyl ester	540-07-8	ug/L																
	Hydroperoxide, 1-methylethy	3031-75-2	ug/L																
	Indane	496-11-7	ug/L																
	Indene	95-13-6	ug/L																
	Isopropyl alcohol	67-63-0	ug/L																
	Isopropyl ether	108-20-3	ug/L																
	Methanethiol	74-93-1	ug/L									5.3	JN						
	Naphthalene, 1,3-dimethyl-	575-41-7	ug/L																
	Naphthalene, 1,4,6-trimethyl-	2131-42-2	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		Sample Date		Sample ID		BLD 56-1D		BLD 56-1S		BLD 62-1D		BLD 62-1S		BLD 68-1		CHP43RX *	
										10/3/2013 11:00		10/2/2013 14:25		9/11/2013 14:30		9/11/2013 12:50		9/9/2013 10:10		12/19/2013 13:30	
										BLD56-1D (100313)		BLD 56-1S (100213)		BLD62-1 (S) (9/11/13)		BLD62-1 (D) (9/11/13)		BLD 68-1 (090913)		CHP43RX(12192013)-Grab	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC (Cont.)	Naphthalene, 1,6,7-trimethyl-	2245-38-7	ug/L																		
	Naphthalene, 1-ethyl-	1127-76-0	ug/L																		
	Naphthalene, 2,3,6-trimethyl-	829-26-5	ug/L																		
	Naphthalene, 2,6-dimethyl-	581-42-0	ug/L																		
	Pentane, 2-methyl-	107-83-5	ug/L																		
	Propanal, 2-methyl-	78-84-2	ug/L																		
	Propene	115-07-1	ug/L			3.8	JN														
	Propionitrile	107-12-0	ug/L																		
	Silane, fluorotrimethyl-	420-56-4	ug/L																		
	Silane, methoxytrimethyl-	1825-61-2	ug/L																		
	Silanol, trimethyl-	1066-40-6	ug/L	7.4	JN												13	JN			
	tert-Butyldimethylsilano	18173-64-3	ug/L																		
	Trans-2-butene	624-64-6	ug/L																		
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	ug/L			4.5	JN								9.1	JN				43	JN
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	ug/L																		
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	ug/L																		
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	ug/L																		
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	ug/L																		
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	ug/L																		
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	ug/L																		
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	ug/L																		
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	ug/L																		
SVOCs Method SW8270C/D TIC	[1,1'-Bicyclohexyl]-2-one	90-42-6	ug/L																		
	1,2,3-Trimethylbenzene	526-73-8	ug/L																		
	1,2,4,5-Tetramethylbenzene	95-93-2	ug/L																		
	1,2,4-Trimethylbenzene	95-63-6	ug/L																		
	1,2-Dichloroethene (total)	540-59-0	ug/L																		
	1,2-Diphenylhydrazine	122-66-7	ug/L																		
	1,3,5-Cycloheptatriene	544-25-2	ug/L																		
	1,3,5-Triazine-2,4,6-(1H,3H,5H)-trione, 1,3,5-tri-2-propen-1-yl	1025-15-6	ug/L																		
	1,3,5-Trimethylbenzene	108-67-8	ug/L																		
	1,3,5-Trithiane	291-21-4	ug/L																		
	1,4-Dioxane	123-91-1	ug/L																		
	17-Pentatriacontene	6971-40-0	ug/L																		
	1-Decene	872-05-9	ug/L																		
	1-Docosene	1599-67-3	ug/L																		
	1H,3H-Naphtho[1,8-cd]pyran-1-one	518-86-5	ug/L																		
	1H-Benzotriazole, 5-methyl-	136-85-6	ug/L																		
	1-Hepten-3-yne	2384-73-8	ug/L																		
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L																		
	1-Penten-3-ol, 3-ethyl-2-methyl-	28832-46-4	ug/L																		
	2,4-Dithiapentane	1618-26-4	ug/L													14	JN				
	2-Butanol, 3-methyl-, (S)-	1517-66-4	ug/L																		
	2-Cyclohexen-1-one	930-68-7	ug/L																		
	2-Cyclopenten-1-one, 2,3-dimethyl-	1121-05-7	ug/L																		
	2-Ethyltoluene	611-14-3	ug/L																		
	2-Pentanol, 2-methyl-	590-36-3	ug/L																		
	2-Pentanol, 4-methyl-	108-11-2	ug/L																		
	2-Propanol, 1-[1-methyl-2-(2-propenyloxy)ethoxy]	55956-25-7	ug/L																		
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L																		

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		Sample Date		Sample ID		BLD 56-1D		BLD 56-1S		BLD 62-1D		BLD 62-1S		BLD 68-1		CHP43RX *	
										10/3/2013 11:00		10/2/2013 14:25		9/11/2013 14:30		9/11/2013 12:50		9/9/2013 10:10		12/19/2013 13:30	
										BLD56-1D (100313)		BLD 56-1S (100213)		BLD62-1 (S) (9/11/13)		BLD62-1 (D) (9/11/13)		BLD 68-1 (090913)		CHP43RX(12192013)-Grab	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L																		
	3-Hexenedinitrile	1119-85-3	ug/L																		
	4,4'-Diaminobenzophenone	611-98-3	ug/L																		
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	ug/L																		
	4-Methyl-2-pentanone	108-10-1	ug/L																		
	4-Methylphenol	106-44-5	ug/L																		
	4-Nitrosophenyl-.beta.-phenylpropionate	1000129-40-0	ug/L																		
	4-Piperidinone, 2,2,6,6-tetramethyl-	826-36-8	ug/L																		
	5-Nitro-o-toluidine	99-55-8	ug/L																		
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	ug/L																		
	9-Octadecenamide, (Z)-	301-02-0	ug/L																		
	Acetic acid	64-19-7	ug/L																		
	Acetic acid, (trimethylsilyl)-	2345-38-2	ug/L																		
	Acetic acid, 1,1-dimethylethyl ester	540-88-5	ug/L																		
	Acetic acid, phenoxy-	122-59-8	ug/L																		
	Alpha-Terpineol	98-55-5	ug/L																		
	Azobenzene	103-33-3	ug/L																		
	Benzenamine, 4,4'-methylenebis-	101-77-9	ug/L																		
	Benzenamine, 4-chloro-N,N-dimethyl-	698-69-1	ug/L																		
	Benzenamine, N,N-dimethyl-4-nitro-	100-23-2	ug/L																		
	Benzene	71-43-2	ug/L																		
	Benzene, [1-(2,4-Cyclopentadiene-1-ylidene)ethyl]	2320-32-3	ug/L																		
	Benzene, 1,4-diethyl-	105-05-5	ug/L																		
	Benzene, 1-methyl-2-(phenylmethyl)-	713-36-0	ug/L																		
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	ug/L																		
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	ug/L																		
	Benzenecetic acid	103-82-2	ug/L																		
	Benzenemethanol, .alpha.,.alpha.-dimethyl	617-94-7	ug/L																		
	Benzenepropanoic acid	501-52-0	ug/L																		
	Benzenesulfonic acid, 4-hydroxy-	98-67-9	ug/L																		
	Benzoic acid	65-85-0	ug/L																		
	Benzoic acid, 3-methyl-	99-04-7	ug/L																		
	Benzoic acid, 4-(dimethylamino)-	619-84-1	ug/L																		
	Benzoic acid, 4-(methylamino)-	10541-83-0	ug/L																		
	Benzoic acid, 4-(phenylmethyl)-	620-86-0	ug/L																		
	Benzoic acid, 4-methyl-	99-94-5	ug/L																		
	Benzothiazole	95-16-9	ug/L																		
	Benzylmalonic acid	616-75-1	ug/L																		
	Bicyclo[2.2.1]hept-2-ene, 5-ethyl-	15403-89-1	ug/L																		
	Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1S,4S)	464-48-2	ug/L																		
	Butane, 2-methoxy-	6795-87-5	ug/L																		
	Butanoic acid	107-92-6	ug/L																		
	Butyl Stearate	123-95-5	ug/L																		
	Carbonic acid, dimethyl ester	616-38-6	ug/L																		
	Chloroform	67-66-3	ug/L																		
	Crotonic acid	3724-65-0	ug/L													25	JN				
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	ug/L																		
	Cyclohexane	110-82-7	ug/L	21	JN	16	JN	21	JN	17	JN	22	JN	36	JN						
	Cyclohexanone	108-94-1	ug/L																		
	Cyclohexene, 1-methyl-4-(1-methylethenyl)-	5989-54-8	ug/L																		

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		Sample Date		Sample ID		BLD 56-1D		BLD 56-1S		BLD 62-1D		BLD 62-1S		BLD 68-1		CHP43RX *	
				10/3/2013 11:00		10/2/2013 14:25		9/11/2013 14:30		9/11/2013 12:50		9/9/2013 10:10		12/19/2013 13:30							
				Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Cyclopentasiloxane, decamethyl-	541-02-6	ug/L																		
	Cyclopropane, 1,2-dimethyl-, cis-	930-18-7	ug/L																		
	Cyclotetrasiloxane, octamethyl-	556-67-2	ug/L																		
	Cyclotrisiloxane, hexamethyl-	541-05-9	ug/L																		
	Decane, 2-methyl-	6975-98-0	ug/L																		
	Decane, 4-methyl-	2847-72-5	ug/L																		
	Dehydroabietic acid	1740-19-8	ug/L																		
	Dibutyl ether	142-96-1	ug/L																		
	Dicyclohexylamine	101-83-7	ug/L																		
	Disiloxane, hexamethyl-	107-46-0	ug/L																		
	Dodecanoic acid	143-07-7	ug/L																		
	Erucylamide	112-84-5	ug/L																		
	Ethanedione, diphenyl-, dioxime	23873-81-6	ug/L																		
	Ethanol, 2-butoxy-	111-76-2	ug/L																		
	Ethylbenzene	100-41-4	ug/L																		
	Formamide, N-methyl-N-phenyl-	93-61-8	ug/L																		
	Formylmethylenetriphenylphosphorane	28900-91-6	ug/L																		
	Heptadecanoic acid	506-12-7	ug/L																		
	Hexadecanoic acid, butyl ester	111-06-8	ug/L																		
	Hexanoic acid, 2-ethyl-	149-57-5	ug/L																		
	Indane	496-11-7	ug/L																		
	Isopropylbenzene	98-82-8	ug/L																		
	Methanone, (4-aminophenyl)phenyl	1137-41-3	ug/L																		
	Methylene Chloride	75-09-2	ug/L																		
	m-Xylene	108-38-3	ug/L																		
	n-Decane	124-18-5	ug/L																		
	n-Decanoic acid	334-48-5	ug/L																		
	n-Dodecane	112-40-3	ug/L																		
	n-Hexadecanoic acid	57-10-3	ug/L	4.7	JN																
	N-Nitrosodimethylamine	62-75-9	ug/L																		
	Nonane, 2,6-dimethyl-	17302-28-2	ug/L																		
	Nonane, 3,7-dimethyl-	17302-32-8	ug/L																		
	N-Propylbenzene	103-65-1	ug/L																		
	Octadecanoic acid	57-11-4	ug/L	6.9	JN	13	JN	71	JN	33	JN									16	JN
	Octanoic Acid	124-07-2	ug/L																		
	o-Toluidine	95-53-4	ug/L																		
	o-Xylene	95-47-6	ug/L																		
	Pentane, 2,2'-oxybis-	56762-00-6	ug/L																		
	Pentatriacontane	630-07-9	ug/L																		
	Phenol, 2-(1,1-dimethylethyl)-	88-18-6	ug/L																		
	Phenol, 2-(phenylmethyl)-	28994-41-4	ug/L																		
	Phenol, 4-(1,1-dimethylpropyl)-	80-46-6	ug/L																		
	Phenol, 4-(phenylmethyl)-	101-53-1	ug/L																		
	Phenol, 4,4'-(1-methylethylidene)bis-	80-05-7	ug/L																		
	Phenol, 4-chloro-2-(phenylmethyl)-	120-32-1	ug/L																		
	Phthalic anhydride	85-44-9	ug/L																		
	Podocarpa-8,11,13-trien-15-oic acid, 13-	1000164-00-3	ug/L																		
	Propanoic acid, 2-phenoxy-	940-31-8	ug/L																		
	p-Xylene	106-42-3	ug/L	6	JN																
	Pyridine, 2,4-dimethyl-	108-47-4	ug/L																		

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		Sample Date		Sample ID		BLD 56-1D		BLD 56-1S		BLD 62-1D		BLD 62-1S		BLD 68-1		CHP43RX *	
										10/3/2013 11:00		10/2/2013 14:25		9/11/2013 14:30		9/11/2013 12:50		9/9/2013 10:10		12/19/2013 13:30	
										BLD56-1D (100313)		BLD 56-1S (100213)		BLD62-1 (S) (9/11/13)		BLD62-1 (D) (9/11/13)		BLD 68-1 (090913)		CHP43RX(12192013)-Grab	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Silane, butoxytrimethyl-	1825-65-6	ug/L																		
	Silane, methylenebis(methyl-	5/7/5654	ug/L																		
	Silane, trimethyl(1-methylbutoxy)	1825-67-8	ug/L																		
	Silane, trimethylphenoxy-	1529-17-5	ug/L																		
	Tetradecanoic acid	544-63-8	ug/L																		
	Toluene	108-88-3	ug/L																		
	Triacetin	102-76-1	ug/L																		
	Tributyl phosphate	126-73-8	ug/L																		
	Trichloroethene	79-01-6	ug/L																		
	Tridecanoic acid	638-53-9	ug/L																		
	Triphenylphosphine oxide	791-28-6	ug/L																	46	JN
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	ug/L	1,900	JN	1,200	JN	350	JN	260	JN	390	JN	120	JN	65	JN				
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	ug/L	49	JN	57	JN	56	JN	50	JN	60	JN	27	JN	16	JN				
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	ug/L	47	JN	49	JN	26	JN	39	JN	39	JN	36	JN	27	JN				
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	ug/L	42	JN	45	JN	25	JN	34	JN	38	JN	27	JN	16	JN				
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	ug/L	41	JN	20	JN	25	JN	32	JN	31	JN	16	JN						
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	ug/L	35	JN	18	JN	23	JN	26	JN	27	JN	16	JN						
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	ug/L	28	JN	14	JN	21	JN	23	JN	18	JN	16	JN						
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	ug/L	22	JN	11	JN	12	JN	19	JN	17	JN	15	JN						
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	ug/L	17	JN	8.7	JN	10	JN	8.4	JN	15	JN	13	JN						
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	ug/L	17	JN	6.7	JN	9.8	JN	8.4	JN	13	JN	10	JN						
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	ug/L	14	JN	6.4	JN	9.6	JN	7.3	JN	9.1	JN	8.9	JN						
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	ug/L	11	JN	5.9	JN	8.7	JN	7.2	JN	9.1	JN	5.4	JN						
	UNKNOWN SEMIVOLATILE WITH 13TH HIGHEST CONC.	UNKSV13	ug/L	5.9	JN	4.4	JN	7.6	JN	7	JN	8.4	JN	5.2	JN						
	UNKNOWN SEMIVOLATILE WITH 14TH HIGHEST CONC.	UNKSV14	ug/L	5.1	JN	3.9	JN	4	JN			7	JN	5	JN						
	UNKNOWN SEMIVOLATILE WITH 15TH HIGHEST CONC.	UNKSV15	ug/L	4.8	JN	3.8	JN	3.1	JN			6.5	JN								
	UNKNOWN SEMIVOLATILE WITH 16TH HIGHEST CONC.	UNKSV16	ug/L	3.6	JN	3.7	JN					5.2	JN								
	UNKNOWN SEMIVOLATILE WITH 17TH HIGHEST CONC.	UNKSV17	ug/L			1.7	JN					2.9	JN								
	UNKNOWN SEMIVOLATILE WITH 18TH HIGHEST CONC.	UNKSV18	ug/L																		
	UNKNOWN SEMIVOLATILE WITH 19TH HIGHEST CONC.	UNKSV19	ug/L																		
	Vanillin	121-33-5	ug/L																		

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		Sample Date		DS 2-1		DS 2-3		PAN 1-1		PAS 1-1		PAS 1-2		PR 1-1	
								8/30/2013 13:25		8/30/2013 10:10		9/5/2013 14:40		9/3/2013 10:30		9/6/2013 13:30		9/20/2013 16:00	
								DS 2-1 (083013)	DS 2-1 (083013)	DS 2-3 (083013)	DS 2-3 (083013)	PAN 1-1 (090513)	BMS-DUP-090513	PAS 1-2 (090313)	PAS 1-1 (090613)	PAS 1-1 (090613)	PAS 1-1 (090613)	PR1-1 (092013)	PR1-1 (092013)
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC	1,2,3-Trimethylbenzene	526-73-8	ug/L																
	1,2-Dichloro-1,1,2-trifluoroethane	354-23-4	ug/L															22	JN
	1-Hexanol, 2-ethyl-	104-76-7	ug/L																
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L																
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	ug/L																
	1H-Indene, 2,3-dihydro-5-methyl-	874-35-1	ug/L																
	2,2-Dichloro-1,1,1-trifluoroethane	306-83-2	ug/L																
	2,2-Dichloropropane	594-20-7	ug/L																
	2,4-Dithiapentane	1618-26-4	ug/L																
	2-Ethyltoluene	611-14-3	ug/L																
	2-Heptanone	110-43-0	ug/L																
	2-Isopropyltoluene	527-84-4	ug/L																
	2-Methylthiophene	554-14-3	ug/L																
	2-Pentanone	107-87-9	ug/L																
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L																
	3-Buten-2-one, 3-methyl-	814-78-8	ug/L																
	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L																
	3-Pentanone, 2,4-dimethyl-	565-80-0	ug/L																
	4-Heptanone	123-19-3	ug/L																
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	ug/L																
	Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	ug/L																
	Benzene, 1-methyl-3-propyl-	1074-43-7	ug/L																
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	ug/L																
	Butane, 2,2-dimethyl-	75-83-2	ug/L																
	Butane, 2,3-dimethyl-	79-29-8	ug/L																
	Butane, 2-methyl-	78-78-4	ug/L																
	Cyclohexane, 1,3-dimethyl-, cis-	638-04-0	ug/L																
	Cyclohexene	110-83-8	ug/L																
	Cyclopentane, methyl-	96-37-7	ug/L																
	Dichlorofluoromethane	75-43-4	ug/L																
	Dimethyl sulfide	75-18-3	ug/L																
	Disiloxane, hexamethyl-	107-46-0	ug/L																
	Epichlorohydrin	106-89-8	ug/L																
	Ethane, 1-chloro-1-fluoro-	1615-75-4	ug/L																
	Ethene, 1-chloro-1-fluoro-	2317-91-1	ug/L																
	Ethene, chlorotrifluoro-	79-38-9	ug/L																
	Ethyl tert-butyl ether	637-92-3	ug/L																
	Hexachlorobutadiene	87-68-3	ug/L																
	Hexane, 2-methyl-	591-76-4	ug/L																
	Hexane, 3-methyl-	589-34-4	ug/L																
	Hexanoic acid, hexyl ester	6378-65-0	ug/L																
	Hexanoic acid, pentyl ester	540-07-8	ug/L																
	Hydroperoxide, 1-methylethy	3031-75-2	ug/L																
	Indane	496-11-7	ug/L																
	Indene	95-13-6	ug/L																
	Isopropyl alcohol	67-63-0	ug/L																
	Isopropyl ether	108-20-3	ug/L																
	Methanethiol	74-93-1	ug/L																
	Naphthalene, 1,3-dimethyl-	575-41-7	ug/L																
	Naphthalene, 1,4,6-trimethyl-	2131-42-2	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		DS 2-1		DS 2-3		PAN 1-1		PAS 1-1		PAS 1-2		PR 1-1			
				Sample Date		8/30/2013 13:25		8/30/2013 10:10		9/5/2013 14:40		9/5/2013 0:00		9/3/2013 10:30		9/6/2013 13:30		9/20/2013 16:00	
				Sample ID		DS 2-1 (083013)		DS 2-3 (083013)		PAN 1-1 (090513)		BMS-DUP-090513		PAS 1-2 (090313)		PAS 1-1 (090613)		PR1-1 (092013)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
VOCs Method SW8260B/C TIC (Cont.)	Naphthalene, 1,6,7-trimethyl-	2245-38-7	ug/L																
	Naphthalene, 1-ethyl-	1127-76-0	ug/L																
	Naphthalene, 2,3,6-trimethyl-	829-26-5	ug/L																
	Naphthalene, 2,6-dimethyl-	581-42-0	ug/L																
	Pentane, 2-methyl-	107-83-5	ug/L																
	Propanal, 2-methyl-	78-84-2	ug/L																
	Propene	115-07-1	ug/L																
	Propionitrile	107-12-0	ug/L																
	Silane, fluorotrimethyl-	420-56-4	ug/L																
	Silane, methoxytrimethyl-	1825-61-2	ug/L																
	Silanol, trimethyl-	1066-40-6	ug/L	34	JN		R												
	tert-Butyldimethylsilano	18173-64-3	ug/L																
	Trans-2-butene	624-64-6	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	ug/L										R		R	18	JN		
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	ug/L													12	JN		
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	ug/L																
UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	ug/L																	
UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	ug/L																	
UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	ug/L																	
UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	ug/L																	
UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	ug/L																	
SVOCs Method SW8270C/D TIC	[1,1'-Bicyclohexyl]-2-one	90-42-6	ug/L																
	1,2,3-Trimethylbenzene	526-73-8	ug/L																
	1,2,4,5-Tetramethylbenzene	95-93-2	ug/L																
	1,2,4-Trimethylbenzene	95-63-6	ug/L																
	1,2-Dichloroethene (total)	540-59-0	ug/L																
	1,2-Diphenylhydrazine	122-66-7	ug/L																
	1,3,5-Cycloheptatriene	544-25-2	ug/L																
	1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tri-2-propen-1-yl	1025-15-6	ug/L																
	1,3,5-Trimethylbenzene	108-67-8	ug/L																
	1,3,5-Trithiane	291-21-4	ug/L																
	1,4-Dioxane	123-91-1	ug/L	1.3	J	1.2	J												
	17-Pentatriacontene	6971-40-0	ug/L																
	1-Decene	872-05-9	ug/L																
	1-Docosene	1599-67-3	ug/L																
	1H,3H-Naphtho[1,8-cd]pyran-1-one	518-86-5	ug/L																
	1H-Benzotriazole, 5-methyl-	136-85-6	ug/L																
	1-Hepten-3-yne	2384-73-8	ug/L																
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L																
	1-Penten-3-ol, 3-ethyl-2-methyl-	28832-46-4	ug/L																
	2,4-Dithiapentane	1618-26-4	ug/L																
	2-Butanol, 3-methyl-, (S)-	1517-66-4	ug/L																
	2-Cyclohexen-1-one	930-68-7	ug/L																
	2-Cyclopenten-1-one, 2,3-dimethyl-	1121-05-7	ug/L																
	2-Ethyltoluene	611-14-3	ug/L																
	2-Pentanol, 2-methyl-	590-36-3	ug/L																
	2-Pentanol, 4-methyl-	108-11-2	ug/L																
	2-Propanol, 1-[1-methyl-2-(2-propenyloxy)ethoxy]	55956-25-7	ug/L																
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date Sample ID				DS 2-1		DS 2-3		PAN 1-1				PAS 1-1		PAS 1-2		PR 1-1	
				8/30/2013 13:25		8/30/2013 10:10		9/5/2013 14:40		9/5/2013 0:00		9/3/2013 10:30		9/6/2013 13:30		9/20/2013 16:00	
				DS 2-1 (083013)		DS 2-3 (083013)		PAN 1-1 (090513)		BMS-DUP-090513		PAS 1-2 (090313)		PAS 1-1 (090613)		PR1-1 (092013)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L														
	3-Hexenedinitrile	1119-85-3	ug/L														
	4,4'-Diaminobenzophenone	611-98-3	ug/L														
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	ug/L														
	4-Methyl-2-pentanone	108-10-1	ug/L														
	4-Methylphenol	106-44-5	ug/L														
	4-Nitrosophenyl-.beta.-phenylpropionate	1000129-40-0	ug/L														
	4-Piperidinone, 2,2,6,6-tetramethyl-	826-36-8	ug/L														
	5-Nitro-o-toluidine	99-55-8	ug/L														
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	ug/L														
	9-Octadecenamide, (Z)-	301-02-0	ug/L														
	Acetic acid	64-19-7	ug/L														
	Acetic acid, (trimethylsilyl)-	2345-38-2	ug/L														
	Acetic acid, 1,1-dimethylethyl ester	540-88-5	ug/L														
	Acetic acid, phenoxy-	122-59-8	ug/L														
	Alpha-Terpineol	98-55-5	ug/L														
	Azobenzene	103-33-3	ug/L														
	Benzenamine, 4,4'-methylenebis-	101-77-9	ug/L														
	Benzenamine, 4-chloro-N,N-dimethyl-	698-69-1	ug/L														
	Benzenamine, N,N-dimethyl-4-nitro-	100-23-2	ug/L														
	Benzene	71-43-2	ug/L														
	Benzene, [1-(2,4-Cyclopentadiene-1-ylidene)ethyl]	2320-32-3	ug/L														
	Benzene, 1,4-diethyl-	105-05-5	ug/L														
	Benzene, 1-methyl-2-(phenylmethyl)	713-36-0	ug/L														
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	ug/L														
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	ug/L														
	Benzeneacetic acid	103-82-2	ug/L														
	Benzenemethanol, .alpha.,.alpha.-dimethyl	617-94-7	ug/L														
	Benzenepropanoic acid	501-52-0	ug/L														
	Benzenesulfonic acid, 4-hydroxy-	98-67-9	ug/L														
	Benzoic acid	65-85-0	ug/L														
	Benzoic acid, 3-methyl-	99-04-7	ug/L														
	Benzoic acid, 4-(dimethylamino)-	619-84-1	ug/L														
	Benzoic acid, 4-(methylamino)-	10541-83-0	ug/L														
	Benzoic acid, 4-(phenylmethyl)-	620-86-0	ug/L														
	Benzoic acid, 4-methyl-	99-94-5	ug/L														
	Benzothiazole	95-16-9	ug/L														
	Benzylmalonic acid	616-75-1	ug/L														
	Bicyclo[2.2.1]hept-2-ene, 5-ethyl-	15403-89-1	ug/L														
	Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1S,4S)	464-48-2	ug/L														
	Butane, 2-methoxy-	6795-87-5	ug/L														
	Butanoic acid	107-92-6	ug/L														
	Butyl Stearate	123-95-5	ug/L														
	Carbonic acid, dimethyl ester	616-38-6	ug/L														
	Chloroform	67-66-3	ug/L														
	Crotonic acid	3724-65-0	ug/L														
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	ug/L														
	Cyclohexane	110-82-7	ug/L	44	JN	41	JN	18	JN	19	JN	19	JN	19	JN		R
	Cyclohexanone	108-94-1	ug/L														
	Cyclohexene, 1-methyl-4-(1-methylethenyl)	5989-54-8	ug/L														

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		DS 2-1		DS 2-3		PAN 1-1		PAS 1-1		PAS 1-2		PR 1-1	
				Sample Date		8/30/2013 13:25		8/30/2013 10:10		9/5/2013 14:40		9/5/2013 0:00		9/3/2013 10:30		9/6/2013 13:30	
				Sample ID		DS 2-1 (083013)		DS 2-3 (083013)		PAN 1-1 (090513)		BMS-DUP-090513		PAS 1-2 (090313)		PAS 1-1 (090613)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Cyclopentasiloxane, decamethyl-	541-02-6	ug/L														
	Cyclopropane, 1,2-dimethyl-, cis-	930-18-7	ug/L														
	Cyclotetrasiloxane, octamethyl-	556-67-2	ug/L														
	Cyclotrisiloxane, hexamethyl-	541-05-9	ug/L														
	Decane, 2-methyl-	6975-98-0	ug/L														
	Decane, 4-methyl-	2847-72-5	ug/L														
	Dehydroabietic acid	1740-19-8	ug/L														
	Dibutyl ether	142-96-1	ug/L														
	Dicyclohexylamine	101-83-7	ug/L														
	Disiloxane, hexamethyl-	107-46-0	ug/L														
	Dodecanoic acid	143-07-7	ug/L														
	Erucylamide	112-84-5	ug/L														
	Ethanedione, diphenyl-, dioxime	23873-81-6	ug/L														
	Ethanol, 2-butoxy-	111-76-2	ug/L														
	Ethylbenzene	100-41-4	ug/L														
	Formamide, N-methyl-N-phenyl-	93-61-8	ug/L														
	Formylmethylenetriphenylphosphorane	28900-91-6	ug/L														
	Heptadecanoic acid	506-12-7	ug/L														
	Hexadecanoic acid, butyl ester	111-06-8	ug/L														
	Hexanoic acid, 2-ethyl-	149-57-5	ug/L														
	Indane	496-11-7	ug/L														
	Isopropylbenzene	98-82-8	ug/L														
	Methanone, (4-aminophenyl)phenyl-	1137-41-3	ug/L														
	Methylene Chloride	75-09-2	ug/L														
	m-Xylene	108-38-3	ug/L							58	JN	56	JN	3.4	JN		
	n-Decane	124-18-5	ug/L														
	n-Decanoic acid	334-48-5	ug/L														
	n-Dodecane	112-40-3	ug/L														
	n-Hexadecanoic acid	57-10-3	ug/L	7	JN	7.9	JN	5.3	JN	4.6	JN			4	JN		R
	N-Nitrosodimethylamine	62-75-9	ug/L														
	Nonane, 2,6-dimethyl-	17302-28-2	ug/L														
	Nonane, 3,7-dimethyl-	17302-32-8	ug/L														
	N-Propylbenzene	103-65-1	ug/L														
	Octadecanoic acid	57-11-4	ug/L	5.5	JN	6.2	JN	2.5	JN	3.2	JN	5	JN	6.4	JN	12	JN
	Octanoic Acid	124-07-2	ug/L											9.5	JN		
	o-Toluidine	95-53-4	ug/L														
	o-Xylene	95-47-6	ug/L														
	Pentane, 2,2'-oxybis-	56762-00-6	ug/L														
	Pentatriacontane	630-07-9	ug/L														
	Phenol, 2-(1,1-dimethylethyl)-	88-18-6	ug/L														
	Phenol, 2-(phenylmethyl)-	28994-41-4	ug/L														
	Phenol, 4-(1,1-dimethylpropyl)-	80-46-6	ug/L													96	JN
	Phenol, 4-(phenylmethyl)-	101-53-1	ug/L	2.1	JN												
	Phenol, 4,4'-(1-methylethylidene)bis-	80-05-7	ug/L													9.2	JN
	Phenol, 4-chloro-2-(phenylmethyl)-	120-32-1	ug/L													280	JN
	Phthalic anhydride	85-44-9	ug/L														
	Podocarpa-8,11,13-trien-15-oic acid, 13-	1000164-00-3	ug/L														
	Propanoic acid, 2-phenoxy-	940-31-8	ug/L														
	p-Xylene	106-42-3	ug/L	3	JN												
	Pyridine, 2,4-dimethyl-	108-47-4	ug/L														

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date				DS 2-1		DS 2-3		PAN 1-1				PAS 1-1		PAS 1-2		PR 1-1		
				8/30/2013 13:25		8/30/2013 10:10		9/5/2013 14:40		9/5/2013 0:00		9/3/2013 10:30		9/6/2013 13:30		9/20/2013 16:00		
Sample ID				DS 2-1 (083013)		DS 2-3 (083013)		PAN 1-1 (090513)		BMS-DUP-090513		PAS 1-2 (090313)		PAS 1-1 (090613)		PR1-1 (092013)		
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	
SVOCs Method SW8270C/D TIC (Cont.)	Silane, butoxytrimethyl-	1825-65-6	ug/L															
	Silane, methylenebis(methyl-	577/5654	ug/L					33	JN									
	Silane, trimethyl(1-methylbutoxy)-	1825-67-8	ug/L															
	Silane, trimethylphenoxy-	1529-17-5	ug/L															
	Tetradecanoic acid	544-63-8	ug/L															
	Toluene	108-88-3	ug/L															
	Triacetin	102-76-1	ug/L															
	Tributyl phosphate	126-73-8	ug/L															
	Trichloroethene	79-01-6	ug/L			3.8	JN											
	Tridecanoic acid	638-53-9	ug/L															
	Triphenylphosphine oxide	791-28-6	ug/L															
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	ug/L	1,300	JN	1,300	JN	320	JN	310	JN	250	JN	300	JN			R
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	ug/L	31	JN	23	JN	41	JN	27	JN	25	JN	39	JN			R
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	ug/L	21	JN	16	JN	25	JN	18	JN	24	JN	25	JN	36	JN	
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	ug/L	2.3	JN	5.9	JN	18	JN	13	JN	18	JN	18	JN			R
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	ug/L	1.6	JN	2.5	JN	13	JN	13	JN	13	JN	15	JN			R
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	ug/L					9.9	JN	9.5	JN	12	JN	14	JN			R
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	ug/L					8.8	JN	7.2	JN	8.9	JN	12	JN			R
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	ug/L					8.5	JN	6	JN	6.3	JN	10	JN			R
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	ug/L					8.2	JN	4.9	JN	5.9	JN	8	JN			R
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	ug/L					7.9	JN	4.2	JN	5.3	JN	7.3	JN			R
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	ug/L					6.5	JN	4.1	JN	5.3	JN	6.3	JN			R
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	ug/L					6.2	JN	3.9	JN	5.1	JN	5.5	JN			R
	UNKNOWN SEMIVOLATILE WITH 13TH HIGHEST CONC.	UNKSV13	ug/L					4	JN	2.3	JN	5	JN	4.8	JN	6.9	JN	
	UNKNOWN SEMIVOLATILE WITH 14TH HIGHEST CONC.	UNKSV14	ug/L					3	JN	2.1	JN	4.6	JN	4.7	JN			
	UNKNOWN SEMIVOLATILE WITH 15TH HIGHEST CONC.	UNKSV15	ug/L					2.2	JN	2	JN	4.2	JN	4.4	JN			
	UNKNOWN SEMIVOLATILE WITH 16TH HIGHEST CONC.	UNKSV16	ug/L							1.9	JN	3.8	JN	4.4	JN			
	UNKNOWN SEMIVOLATILE WITH 17TH HIGHEST CONC.	UNKSV17	ug/L									1.8	JN					
	UNKNOWN SEMIVOLATILE WITH 18TH HIGHEST CONC.	UNKSV18	ug/L															
	UNKNOWN SEMIVOLATILE WITH 19TH HIGHEST CONC.	UNKSV19	ug/L															
	Vanillin	121-33-5	ug/L															

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		PR 5A-1		PR 8C-1		PR 9A-1		PR 24A-1		PR 25-1		SR-2		SR-3	
				Sample Date		9/24/2013 16:15		9/20/2013 13:50		9/26/2013 15:20		8/27/2013 13:15		8/27/2013 15:42		9/16/2013 12:45		9/13/2013 15:35	
				Sample ID		PR5A-1 (92413)		PR8C-1 (092013)		PR9A-1 (092613)		PR 24A-1 (082713)		PR 25-1 (082713)		SR-2 (091613)		SR-3 (91313)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC	1,2,3-Trimethylbenzene	526-73-8	ug/L																
	1,2-Dichloro-1,1,2-trifluoroethane	354-23-4	ug/L																
	1-Hexanol, 2-ethyl-	104-76-7	ug/L																
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L																
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	ug/L																
	1H-Indene, 2,3-dihydro-5-methyl-	874-35-1	ug/L																
	2,2-Dichloro-1,1,1-trifluoroethane	306-83-2	ug/L																
	2,2-Dichloropropane	594-20-7	ug/L																
	2,4-Dithiapentane	1618-26-4	ug/L																
	2-Ethyltoluene	611-14-3	ug/L																
	2-Heptanone	110-43-0	ug/L																
	2-Isopropyltoluene	527-84-4	ug/L																
	2-Methylthiophene	554-14-3	ug/L																
	2-Pentanone	107-87-9	ug/L																
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L																
	3-Buten-2-one, 3-methyl-	814-78-8	ug/L																
	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L																
	3-Pentanone, 2,4-dimethyl-	565-80-0	ug/L																
	4-Heptanone	123-19-3	ug/L																
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	ug/L																
	Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	ug/L																
	Benzene, 1-methyl-3-propyl-	1074-43-7	ug/L																
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	ug/L																
	Butane, 2,2-dimethyl-	75-83-2	ug/L																
	Butane, 2,3-dimethyl-	79-29-8	ug/L																
	Butane, 2-methyl-	78-78-4	ug/L																
	Cyclohexane, 1,3-dimethyl-, cis-	638-04-0	ug/L																
	Cyclohexene	110-83-8	ug/L																
	Cyclopentane, methyl-	96-37-7	ug/L																
	Dichlorofluoromethane	75-43-4	ug/L					1.7	J			0.81	J	3.6	J				
	Dimethyl sulfide	75-18-3	ug/L																
	Disiloxane, hexamethyl-	107-46-0	ug/L																
	Epichlorohydrin	106-89-8	ug/L																
	Ethane, 1-chloro-1-fluoro-	1615-75-4	ug/L																
	Ethene, 1-chloro-1-fluoro-	2317-91-1	ug/L																
	Ethene, chlorotrifluoro-	79-38-9	ug/L																
	Ethyl tert-butyl ether	637-92-3	ug/L																
	Hexachlorobutadiene	87-68-3	ug/L																
	Hexane, 2-methyl-	591-76-4	ug/L																
	Hexane, 3-methyl-	589-34-4	ug/L																
	Hexanoic acid, hexyl ester	6378-65-0	ug/L																
	Hexanoic acid, pentyl ester	540-07-8	ug/L																
	Hydroperoxide, 1-methylethy	3031-75-2	ug/L																
	Indane	496-11-7	ug/L																
	Indene	95-13-6	ug/L																
	Isopropyl alcohol	67-63-0	ug/L					77	J										
	Isopropyl ether	108-20-3	ug/L																
	Methanethiol	74-93-1	ug/L																
	Naphthalene, 1,3-dimethyl-	575-41-7	ug/L																
	Naphthalene, 1,4,6-trimethyl-	2131-42-2	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		PR 5A-1		PR 8C-1		PR 9A-1		PR 24A-1		PR 25-1		SR-2		SR-3	
				Sample Date		9/24/2013 16:15		9/20/2013 13:50		9/26/2013 15:20		8/27/2013 13:15		8/27/2013 15:42		9/16/2013 12:45		9/13/2013 15:35	
				Sample ID		PR5A-1 (92413)		PR8C-1 (092013)		PR9A-1 (092613)		PR 24A-1 (082713)		PR 25-1 (082713)		SR-2 (091613)		SR-3 (91313)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC (Cont.)	Naphthalene, 1,6,7-trimethyl-	2245-38-7	ug/L																
	Naphthalene, 1-ethyl-	1127-76-0	ug/L																
	Naphthalene, 2,3,6-trimethyl-	829-26-5	ug/L																
	Naphthalene, 2,6-dimethyl-	581-42-0	ug/L																
	Pentane, 2-methyl-	107-83-5	ug/L																
	Propanal, 2-methyl-	78-84-2	ug/L																
	Propene	115-07-1	ug/L																
	Propionitrile	107-12-0	ug/L																
	Silane, fluorotrimethyl-	420-56-4	ug/L																
	Silane, methoxytrimethyl-	1825-61-2	ug/L																
	Silanol, trimethyl-	1066-40-6	ug/L							R						11	JN		
	tert-Butyldimethylsilano	18173-64-3	ug/L																
	Trans-2-butene	624-64-6	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	ug/L		R	1,200	JN					2.7	JN	5.1	JN			27	JN
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	ug/L			19	JN												
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	ug/L																
SVOcs Method SW8270C/D TIC	[1,1'-Bicyclohexyl]-2-one	90-42-6	ug/L																
	1,2,3-Trimethylbenzene	526-73-8	ug/L																
	1,2,4,5-Tetramethylbenzene	95-93-2	ug/L																
	1,2,4-Trimethylbenzene	95-63-6	ug/L																
	1,2-Dichloroethene (total)	540-59-0	ug/L																
	1,2-Diphenylhydrazine	122-66-7	ug/L																
	1,3,5-Cycloheptatriene	544-25-2	ug/L																
	1,3,5-Triazine-2,4,6-(1H,3H,5H)-trione, 1,3,5-tri-2-propen-1-yl	1025-15-6	ug/L																
	1,3,5-Trimethylbenzene	108-67-8	ug/L																
	1,3,5-Trithiane	291-21-4	ug/L																
	1,4-Dioxane	123-91-1	ug/L																
	17-Pentatriacontene	6971-40-0	ug/L																
	1-Decene	872-05-9	ug/L																
	1-Docosene	1599-67-3	ug/L																
	1H,3H-Naphtho[1,8-cd]pyran-1-one	518-86-5	ug/L																
	1H-Benzotriazole, 5-methyl-	136-85-6	ug/L																
	1-Hepten-3-yne	2384-73-8	ug/L																
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L																
	1-Penten-3-ol, 3-ethyl-2-methyl-	28832-46-4	ug/L																
	2,4-Dithiapentane	1618-26-4	ug/L																
	2-Butanol, 3-methyl-, (S)-	1517-66-4	ug/L																
	2-Cyclohexen-1-one	930-68-7	ug/L																
	2-Cyclopenten-1-one, 2,3-dimethyl-	1121-05-7	ug/L																
	2-Ethyltoluene	611-14-3	ug/L																
	2-Pentanol, 2-methyl-	590-36-3	ug/L																
	2-Pentanol, 4-methyl-	108-11-2	ug/L																
	2-Propanol, 1-[1-methyl-2-(2-propenyloxy)ethoxy]	55956-25-7	ug/L																
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		PR 5A-1		PR 8C-1		PR 9A-1		PR 24A-1		PR 25-1		SR-2		SR-3		
				Sample Date		9/24/2013 16:15		9/20/2013 13:50		9/26/2013 15:20		8/27/2013 13:15		8/27/2013 15:42		9/16/2013 12:45		9/13/2013 15:35		
				Sample ID		PR5A-1 (92413)		PR8C-1 (092013)		PR9A-1 (092613)		PR 24A-1 (082713)		PR 25-1 (082713)		SR-2 (091613)		SR-3 (91313)		
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	
SVOCs Method SW8270C/D TIC (Cont.)	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L																	
	3-Hexenedinitrile	1119-85-3	ug/L																	
	4,4'-Diaminobenzophenone	611-98-3	ug/L																	
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	ug/L																	
	4-Methyl-2-pentanone	108-10-1	ug/L				R													
	4-Methylphenol	106-44-5	ug/L																	
	4-Nitrosophenyl-.beta.-phenylpropionate	1000129-40-0	ug/L																	
	4-Piperidinone, 2,2,6,6-tetramethyl-	826-36-8	ug/L																	
	5-Nitro-o-toluidine	99-55-8	ug/L																	
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	ug/L																	
	9-Octadecenamide, (Z)-	301-02-0	ug/L			8.7	JN													
	Acetic acid	64-19-7	ug/L																	
	Acetic acid, (trimethylsilyl)-	2345-38-2	ug/L																	
	Acetic acid, 1,1-dimethylethyl ester	540-88-5	ug/L																	
	Acetic acid, phenoxy-	122-59-8	ug/L																	
	Alpha-Terpineol	98-55-5	ug/L																	
	Azobenzene	103-33-3	ug/L																	
	Benzenamine, 4,4'-methylenebis-	101-77-9	ug/L																	
	Benzenamine, 4-chloro-N,N-dimethyl-	698-69-1	ug/L																	
	Benzenamine, N,N-dimethyl-4-nitro-	100-23-2	ug/L																	
	Benzene	71-43-2	ug/L																	
	Benzene, [1-(2,4-Cyclopentadiene-1-ylidene)ethyl]	2320-32-3	ug/L																	
	Benzene, 1,4-diethyl-	105-05-5	ug/L																	
	Benzene, 1-methyl-2-(phenylmethyl)-	713-36-0	ug/L																	
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	ug/L																	
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	ug/L																	
	Benzenecetic acid	103-82-2	ug/L																	
	Benzenemethanol, .alpha.,.alpha.-dimethyl	617-94-7	ug/L																	
	Benzenepropanoic acid	501-52-0	ug/L																	
	Benzenesulfonic acid, 4-hydroxy-	98-67-9	ug/L																	
	Benzoic acid	65-85-0	ug/L																	
	Benzoic acid, 3-methyl-	99-04-7	ug/L																	
	Benzoic acid, 4-(dimethylamino)-	619-84-1	ug/L																	
	Benzoic acid, 4-(methylamino)-	10541-83-0	ug/L																	
	Benzoic acid, 4-(phenylmethyl)-	620-86-0	ug/L																	
	Benzoic acid, 4-methyl-	99-94-5	ug/L																	
	Benzothiazole	95-16-9	ug/L																	
	Benzylmalonic acid	616-75-1	ug/L																	
	Bicyclo[2.2.1]hept-2-ene, 5-ethyl-	15403-89-1	ug/L																	
	Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1S,4S)	464-48-2	ug/L																	
	Butane, 2-methoxy-	6795-87-5	ug/L																	
	Butanoic acid	107-92-6	ug/L																	
	Butyl Stearate	123-95-5	ug/L																	
	Carbonic acid, dimethyl ester	616-38-6	ug/L																	
	Chloroform	67-66-3	ug/L																	
	Crotonic acid	3724-65-0	ug/L																	
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	ug/L																	
	Cyclohexane	110-82-7	ug/L	43	JN			R	39	JN			R		R	28	JN		6.9	JN
	Cyclohexanone	108-94-1	ug/L																24	JN
	Cyclohexene, 1-methyl-4-(1-methylethenyl)-	5989-54-8	ug/L																	

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		PR 5A-1		PR 8C-1		PR 9A-1		PR 24A-1		PR 25-1		SR-2		SR-3	
				Sample ID	Sample Date	9/24/2013 16:15		9/20/2013 13:50		9/26/2013 15:20		8/27/2013 13:15		8/27/2013 15:42		9/16/2013 12:45		9/13/2013 15:35	
						PR5A-1 (92413)		PR8C-1 (092013)		PR9A-1 (092613)		PR 24A-1 (082713)		PR 25-1 (082713)		SR-2 (091613)		SR-3 (91313)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Cyclopentasiloxane, decamethyl-	541-02-6	ug/L																
	Cyclopropane, 1,2-dimethyl-, cis-	930-18-7	ug/L																
	Cyclotetrasiloxane, octamethyl-	556-67-2	ug/L																
	Cyclotrisiloxane, hexamethyl-	541-05-9	ug/L																
	Decane, 2-methyl-	6975-98-0	ug/L																
	Decane, 4-methyl-	2847-72-5	ug/L																
	Dehydroabietic acid	1740-19-8	ug/L																
	Dibutyl ether	142-96-1	ug/L																
	Dicyclohexylamine	101-83-7	ug/L																
	Disiloxane, hexamethyl-	107-46-0	ug/L																
	Dodecanoic acid	143-07-7	ug/L																
	Erucylamide	112-84-5	ug/L																
	Ethanedione, diphenyl-, dioxime	23873-81-6	ug/L																
	Ethanol, 2-butoxy-	111-76-2	ug/L																
	Ethylbenzene	100-41-4	ug/L																
	Formamide, N-methyl-N-phenyl-	93-61-8	ug/L																
	Formylmethylenetriphenylphosphorane	28900-91-6	ug/L																
	Heptadecanoic acid	506-12-7	ug/L																
	Hexadecanoic acid, butyl ester	111-06-8	ug/L																
	Hexanoic acid, 2-ethyl-	149-57-5	ug/L																
	Indane	496-11-7	ug/L																
	Isopropylbenzene	98-82-8	ug/L																
	Methanone, (4-aminophenyl)phenyl	1137-41-3	ug/L																
	Methylene Chloride	75-09-2	ug/L																
	m-Xylene	108-38-3	ug/L	42	JN											3.5	JN	28	JN
	n-Decane	124-18-5	ug/L																
	n-Decanoic acid	334-48-5	ug/L																
	n-Dodecane	112-40-3	ug/L																
	n-Hexadecanoic acid	57-10-3	ug/L	7.3	JN			R								6.8	JN		
	N-Nitrosodimethylamine	62-75-9	ug/L																
	Nonane, 2,6-dimethyl-	17302-28-2	ug/L																
	Nonane, 3,7-dimethyl-	17302-32-8	ug/L																
	N-Propylbenzene	103-65-1	ug/L																
	Octadecanoic acid	57-11-4	ug/L	13	JN			8.7	JN			8.8	JN	25	JN	9	JN		
	Octanoic Acid	124-07-2	ug/L																
	o-Toluidine	95-53-4	ug/L																
	o-Xylene	95-47-6	ug/L																
	Pentane, 2,2'-oxybis-	56762-00-6	ug/L																
	Pentatriacontane	630-07-9	ug/L																
	Phenol, 2-(1,1-dimethylethyl)-	88-18-6	ug/L																
	Phenol, 2-(phenylmethyl)-	28994-41-4	ug/L																
	Phenol, 4-(1,1-dimethylpropyl)-	80-46-6	ug/L																
	Phenol, 4-(phenylmethyl)-	101-53-1	ug/L																
	Phenol, 4,4'-(1-methylethylidene)bis-	80-05-7	ug/L																
	Phenol, 4-chloro-2-(phenylmethyl)-	120-32-1	ug/L																
	Phthalic anhydride	85-44-9	ug/L																
	Podocarpa-8,11,13-trien-15-oic acid, 13-	1000164-00-3	ug/L																
	Propanoic acid, 2-phenoxy-	940-31-8	ug/L																
	p-Xylene	106-42-3	ug/L																
	Pyridine, 2,4-dimethyl-	108-47-4	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		PR 5A-1		PR 8C-1		PR 9A-1		PR 24A-1		PR 25-1		SR-2		SR-3	
				Sample Date		9/24/2013 16:15		9/20/2013 13:50		9/26/2013 15:20		8/27/2013 13:15		8/27/2013 15:42		9/16/2013 12:45		9/13/2013 15:35	
				Sample ID		PR5A-1 (92413)		PR8C-1 (092013)		PR9A-1 (092613)		PR 24A-1 (082713)		PR 25-1 (082713)		SR-2 (091613)		SR-3 (91313)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Silane, butoxytrimethyl-	1825-65-6	ug/L																
	Silane, methylenebis(methyl-	5/7/5654	ug/L																
	Silane, trimethyl(1-methylbutoxy)	1825-67-8	ug/L																
	Silane, trimethylphenoxy-	1529-17-5	ug/L																
	Tetradecanoic acid	544-63-8	ug/L																
	Toluene	108-88-3	ug/L															7.9	JN
	Triacetin	102-76-1	ug/L																
	Tributyl phosphate	126-73-8	ug/L																
	Trichloroethene	79-01-6	ug/L																
	Tridecanoic acid	638-53-9	ug/L																
	Triphenylphosphine oxide	791-28-6	ug/L																
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	ug/L	640	JN			R		740	JN		R		R	600	JN	350	JN
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	ug/L	46	JN			R		48	JN		R	74	JN	31	JN	220	JN
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	ug/L	40	JN			R		45	JN		R		R	29	JN	35	JN
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	ug/L	38	JN		31	JN		31	JN		R		R	21	JN	33	JN
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	ug/L	22	JN			R		26	JN		R		R	16	JN	31	JN
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	ug/L	18	JN			R		24	JN		R		R	14	JN	24	JN
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	ug/L	17	JN			R		21	JN		R		R	14	JN	21	JN
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	ug/L	16	JN		13	JN		15	JN		R	18	JN	13	JN	19	JN
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	ug/L	15	JN			R		12	JN					12	JN	18	JN
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	ug/L	13	JN		11	JN		12	JN					6.1	JN	12	JN
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	ug/L	11	JN			R		11	JN					6	JN	11	JN
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	ug/L	9.5	JN			R		9.2	JN					5.6	JN	9.4	JN
	UNKNOWN SEMIVOLATILE WITH 13TH HIGHEST CONC.	UNKSV13	ug/L	8.5	JN			R		7.9	JN					5.1	JN	6.7	JN
	UNKNOWN SEMIVOLATILE WITH 14TH HIGHEST CONC.	UNKSV14	ug/L	7.3	JN			R		6.5	JN					5.1	JN	6.3	JN
	UNKNOWN SEMIVOLATILE WITH 15TH HIGHEST CONC.	UNKSV15	ug/L	6.4	JN			R		3.9	JN					4.6	JN	6.2	JN
	UNKNOWN SEMIVOLATILE WITH 16TH HIGHEST CONC.	UNKSV16	ug/L	5.3	JN					3.6	JN					3.7	JN		
	UNKNOWN SEMIVOLATILE WITH 17TH HIGHEST CONC.	UNKSV17	ug/L							3.3	JN								
	UNKNOWN SEMIVOLATILE WITH 18TH HIGHEST CONC.	UNKSV18	ug/L							3	JN								
	UNKNOWN SEMIVOLATILE WITH 19TH HIGHEST CONC.	UNKSV19	ug/L							3	JN								
	Vanillin	121-33-5	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		SR-4		SR-5		T-2		T-3		T-4	
				Sample Date		9/13/2013 11:15		9/27/2013 10:20		9/27/2013 10:20		9/24/2013 15:00		9/25/2013 10:50	
						SR-4 (91313)		SR-5 (092713)		BMS-DUP- 092713		T-2 (92413)		T-3 (092513)	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC	1,2,3-Trimethylbenzene	526-73-8	ug/L												
	1,2-Dichloro-1,1,2-trifluoroethane	354-23-4	ug/L									57	JN		
	1-Hexanol, 2-ethyl-	104-76-7	ug/L												
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L												
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	ug/L												
	1H-Indene, 2,3-dihydro-5-methyl-	874-35-1	ug/L												
	2,2-Dichloro-1,1,1-trifluoroethane	306-83-2	ug/L												
	2,2-Dichloropropane	594-20-7	ug/L												
	2,4-Dithiapentane	1618-26-4	ug/L												
	2-Ethyltoluene	611-14-3	ug/L												
	2-Heptanone	110-43-0	ug/L												
	2-Isopropyltoluene	527-84-4	ug/L												
	2-Methylthiophene	554-14-3	ug/L												
	2-Pentanone	107-87-9	ug/L												
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L												
	3-Buten-2-one, 3-methyl-	814-78-8	ug/L												
	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L												
	3-Pentanone, 2,4-dimethyl-	565-80-0	ug/L												
	4-Heptanone	123-19-3	ug/L												
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	ug/L												
	Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	ug/L												
	Benzene, 1-methyl-3-propyl-	1074-43-7	ug/L												
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	ug/L												
	Butane, 2,2-dimethyl-	75-83-2	ug/L												
	Butane, 2,3-dimethyl-	79-29-8	ug/L												
	Butane, 2-methyl-	78-78-4	ug/L												
	Cyclohexane, 1,3-dimethyl-, cis-	638-04-0	ug/L												
	Cyclohexene	110-83-8	ug/L												
	Cyclopentane, methyl-	96-37-7	ug/L												
	Dichlorofluoromethane	75-43-4	ug/L									2.2	J	2.6	J
	Dimethyl sulfide	75-18-3	ug/L												
	Disiloxane, hexamethyl-	107-46-0	ug/L												
	Epichlorohydrin	106-89-8	ug/L												
	Ethane, 1-chloro-1-fluoro-	1615-75-4	ug/L												
	Ethene, 1-chloro-1-fluoro-	2317-91-1	ug/L												
	Ethene, chlorotrifluoro-	79-38-9	ug/L												
	Ethyl tert-butyl ether	637-92-3	ug/L												
	Hexachlorobutadiene	87-68-3	ug/L												
	Hexane, 2-methyl-	591-76-4	ug/L												
	Hexane, 3-methyl-	589-34-4	ug/L												
	Hexanoic acid, hexyl ester	6378-65-0	ug/L												
	Hexanoic acid, pentyl ester	540-07-8	ug/L												
	Hydroperoxide, 1-methylethy	3031-75-2	ug/L												
	Indane	496-11-7	ug/L												
	Indene	95-13-6	ug/L												
	Isopropyl alcohol	67-63-0	ug/L												
	Isopropyl ether	108-20-3	ug/L									0.69	J		
	Methanethiol	74-93-1	ug/L												
	Naphthalene, 1,3-dimethyl-	575-41-7	ug/L												
	Naphthalene, 1,4,6-trimethyl-	2131-42-2	ug/L												

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		SR-4		SR-5		T-2		T-3		T-4	
				Sample Date	Sample ID	9/13/2013 11:15		9/27/2013 10:20		9/27/2013 10:20		9/24/2013 15:00		9/25/2013 10:50	
						SR-4 (91313)		SR-5 (092713)		BMS-DUP- 092713		T-2 (92413)		T-3 (092513)	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC (Cont.)	Naphthalene, 1,6,7-trimethyl-	2245-38-7	ug/L												
	Naphthalene, 1-ethyl-	1127-76-0	ug/L												
	Naphthalene, 2,3,6-trimethyl-	829-26-5	ug/L												
	Naphthalene, 2,6-dimethyl-	581-42-0	ug/L												
	Pentane, 2-methyl-	107-83-5	ug/L												
	Propanal, 2-methyl-	78-84-2	ug/L												
	Propene	115-07-1	ug/L												
	Propionitrile	107-12-0	ug/L												
	Silane, fluorotrimethyl-	420-56-4	ug/L												
	Silane, methoxytrimethyl-	1825-61-2	ug/L												
	Silanol, trimethyl-	1066-40-6	ug/L												
	tert-Butyldimethylsilano	18173-64-3	ug/L												
	Trans-2-butene	624-64-6	ug/L												
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	ug/L					R		R		R		7.4	JN
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	ug/L							4.1	JN			R	
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	ug/L											2.6	JN
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	ug/L												330
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	ug/L												170
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	ug/L												120
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	ug/L												110
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	ug/L												100
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	ug/L												65
SVOCs Method SW8270C/D TIC	[1,1'-Bicyclohexyl]-2-one	90-42-6	ug/L												
	1,2,3-Trimethylbenzene	526-73-8	ug/L												
	1,2,4,5-Tetramethylbenzene	95-93-2	ug/L												
	1,2,4-Trimethylbenzene	95-63-6	ug/L												
	1,2-Dichloroethene (total)	540-59-0	ug/L												
	1,2-Diphenylhydrazine	122-66-7	ug/L												
	1,3,5-Cycloheptatriene	544-25-2	ug/L												
	1,3,5-Triazine-2,4,6-(1H,3H,5H)-trione, 1,3,5-tri-2-propen-1-yl	1025-15-6	ug/L												
	1,3,5-Trimethylbenzene	108-67-8	ug/L												
	1,3,5-Trithiane	291-21-4	ug/L												
	1,4-Dioxane	123-91-1	ug/L												
	17-Pentatriacontene	6971-40-0	ug/L												
	1-Decene	872-05-9	ug/L												
	1-Docosene	1599-67-3	ug/L												
	1H,3H-Naphtho[1,8-cd]pyran-1-one	518-86-5	ug/L												
	1H-Benzotriazole, 5-methyl-	136-85-6	ug/L												
	1-Hepten-3-yne	2384-73-8	ug/L												
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L												
	1-Penten-3-ol, 3-ethyl-2-methyl-	28832-46-4	ug/L												
	2,4-Dithiapentane	1618-26-4	ug/L												
	2-Butanol, 3-methyl-, (S)-	1517-66-4	ug/L												
	2-Cyclohexen-1-one	930-68-7	ug/L												
	2-Cyclopenten-1-one, 2,3-dimethyl-	1121-05-7	ug/L												
	2-Ethyltoluene	611-14-3	ug/L												
	2-Pentanol, 2-methyl-	590-36-3	ug/L												
	2-Pentanol, 4-methyl-	108-11-2	ug/L												
	2-Propanol, 1-[1-methyl-2-(2-propenyloxy)ethoxy]	55956-25-7	ug/L												
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L												

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

		Location		SR-4		SR-5				T-2		T-3		T-4	
		Sample Date		9/13/2013 11:15		9/27/2013 10:20		9/27/2013 10:20		9/24/2013 15:00		9/25/2013 10:50		9/25/2013 14:50	
		Sample ID		SR-4 (91313)		SR-5 (092713)		BMS-DUP- 092713		T-2 (92413)		T-3 (092513)		T-4 (092513)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L												
	3-Hexenedinitrile	1119-85-3	ug/L												
	4,4'-Diaminobenzophenone	611-98-3	ug/L												
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	ug/L												
	4-Methyl-2-pentanone	108-10-1	ug/L												
	4-Methylphenol	106-44-5	ug/L												
	4-Nitrosophenyl-.beta.-phenylpropionate	1000129-40-0	ug/L												
	4-Piperidinone, 2,2,6,6-tetramethyl-	826-36-8	ug/L												
	5-Nitro-o-toluidine	99-55-8	ug/L												
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	ug/L												
	9-Octadecenamide, (Z)-	301-02-0	ug/L												
	Acetic acid	64-19-7	ug/L												
	Acetic acid, (trimethylsilyl)-	2345-38-2	ug/L												
	Acetic acid, 1,1-dimethylethyl ester	540-88-5	ug/L												
	Acetic acid, phenoxy-	122-59-8	ug/L							9.8	JN			340	JN
	Alpha-Terpineol	98-55-5	ug/L												
	Azobenzene	103-33-3	ug/L												
	Benzenamine, 4,4'-methylenebis-	101-77-9	ug/L			13	JN	19	JN						
	Benzenamine, 4-chloro-N,N-dimethyl-	698-69-1	ug/L												
	Benzenamine, N,N-dimethyl-4-nitro-	100-23-2	ug/L												
	Benzene	71-43-2	ug/L												
	Benzene, [1-(2,4-Cyclopentadiene-1-ylidene)ethyl]	2320-32-3	ug/L												
	Benzene, 1,4-diethyl-	105-05-5	ug/L												
	Benzene, 1-methyl-2-(phenylmethyl)	713-36-0	ug/L												
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	ug/L												
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	ug/L												
	Benzeneacetic acid	103-82-2	ug/L												
	Benzenemethanol, .alpha.,.alpha.-dimethyl	617-94-7	ug/L												
	Benzenepropanoic acid	501-52-0	ug/L												
	Benzenesulfonic acid, 4-hydroxy-	98-67-9	ug/L												
	Benzoic acid	65-85-0	ug/L											50	JN
	Benzoic acid, 3-methyl-	99-04-7	ug/L												
	Benzoic acid, 4-(dimethylamino)-	619-84-1	ug/L												
	Benzoic acid, 4-(methylamino)-	10541-83-0	ug/L												
	Benzoic acid, 4-(phenylmethyl)	620-86-0	ug/L												
	Benzoic acid, 4-methyl-	99-94-5	ug/L												
	Benzothiazole	95-16-9	ug/L												
	Benzylmalonic acid	616-75-1	ug/L											37	JN
	Bicyclo[2.2.1]hept-2-ene, 5-ethyl-	15403-89-1	ug/L												
	Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1S,4S)	464-48-2	ug/L											430	JN
	Butane, 2-methoxy-	6795-87-5	ug/L												
	Butanoic acid	107-92-6	ug/L												
	Butyl Stearate	123-95-5	ug/L												
	Carbonic acid, dimethyl ester	616-38-6	ug/L												
	Chloroform	67-66-3	ug/L												
	Crotonic acid	3724-65-0	ug/L												
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	ug/L												
	Cyclohexane	110-82-7	ug/L	23	JN	38	JN	79	JN	37	JN	36	JN		
	Cyclohexanone	108-94-1	ug/L	2.8	JN										
	Cyclohexene, 1-methyl-4-(1-methylethenyl)	5989-54-8	ug/L												

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		SR-4		SR-5		T-2		T-3		T-4	
				Sample Date	Sample ID	9/13/2013 11:15		9/27/2013 10:20		9/27/2013 10:20		9/24/2013 15:00		9/25/2013 10:50	
						SR-4 (91313)		SR-5 (092713)		BMS-DUP- 092713		T-2 (92413)		T-3 (092513)	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Cyclopentasiloxane, decamethyl-	541-02-6	ug/L												
	Cyclopropane, 1,2-dimethyl-, cis-	930-18-7	ug/L												
	Cyclotetrasiloxane, octamethyl-	556-67-2	ug/L												
	Cyclotrisiloxane, hexamethyl-	541-05-9	ug/L												
	Decane, 2-methyl-	6975-98-0	ug/L												
	Decane, 4-methyl-	2847-72-5	ug/L												
	Dehydroabietic acid	1740-19-8	ug/L											32	JN
	Dibutyl ether	142-96-1	ug/L												
	Dicyclohexylamine	101-83-7	ug/L												
	Disiloxane, hexamethyl-	107-46-0	ug/L												
	Dodecanoic acid	143-07-7	ug/L												
	Erucylamide	112-84-5	ug/L												
	Ethanedione, diphenyl-, dioxime	23873-81-6	ug/L												
	Ethanol, 2-butoxy-	111-76-2	ug/L												
	Ethylbenzene	100-41-4	ug/L												
	Formamide, N-methyl-N-phenyl-	93-61-8	ug/L												
	Formylmethylenetriphenylphosphorane	28900-91-6	ug/L												
	Heptadecanoic acid	506-12-7	ug/L												
	Hexadecanoic acid, butyl ester	111-06-8	ug/L												
	Hexanoic acid, 2-ethyl-	149-57-5	ug/L												
	Indane	496-11-7	ug/L												
	Isopropylbenzene	98-82-8	ug/L												
	Methanone, (4-aminophenyl)phenyl-	1137-41-3	ug/L												
	Methylene Chloride	75-09-2	ug/L												
	m-Xylene	108-38-3	ug/L			27	JN							73	JN
	n-Decane	124-18-5	ug/L												
	n-Decanoic acid	334-48-5	ug/L												
	n-Dodecane	112-40-3	ug/L												
	n-Hexadecanoic acid	57-10-3	ug/L			3.7	JN					11	JN	12	JN
	N-Nitrosodimethylamine	62-75-9	ug/L												
	Nonane, 2,6-dimethyl-	17302-28-2	ug/L												
	Nonane, 3,7-dimethyl-	17302-32-8	ug/L												
	N-Propylbenzene	103-65-1	ug/L												
	Octadecanoic acid	57-11-4	ug/L					76	JN	9.3	JN	15	JN	23	JN
	Octanoic Acid	124-07-2	ug/L												
	o-Toluidine	95-53-4	ug/L												
	o-Xylene	95-47-6	ug/L									35	JN		
	Pentane, 2,2'-oxybis-	56762-00-6	ug/L												
	Pentatriacontane	630-07-9	ug/L											40	JN
	Phenol, 2-(1,1-dimethylethyl)-	88-18-6	ug/L									11	JN		
	Phenol, 2-(phenylmethyl)-	28994-41-4	ug/L												
	Phenol, 4-(1,1-dimethylpropyl)-	80-46-6	ug/L												
	Phenol, 4-(phenylmethyl)-	101-53-1	ug/L												
	Phenol, 4,4'-(1-methylethylidene)bis-	80-05-7	ug/L												
	Phenol, 4-chloro-2-(phenylmethyl)-	120-32-1	ug/L												
	Phthalic anhydride	85-44-9	ug/L												
	Podocarpa-8,11,13-trien-15-oic acid, 13-	1000164-00-3	ug/L												
	Propanoic acid, 2-phenoxy-	940-31-8	ug/L												
	p-Xylene	106-42-3	ug/L											110	JN
	Pyridine, 2,4-dimethyl-	108-47-4	ug/L												

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		SR-4		SR-5		T-2		T-3		T-4	
				Sample ID	Sample Date	9/13/2013 11:15		9/27/2013 10:20		9/27/2013 10:20		9/24/2013 15:00		9/25/2013 10:50	
						SR-4 (91313)		SR-5 (092713)		BMS-DUP- 092713		T-2 (92413)		T-3 (092513)	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Silane, butoxytrimethyl-	1825-65-6	ug/L												
	Silane, methylenebis(methyl-	5/7/5654	ug/L												
	Silane, trimethyl(1-methylbutoxy)-	1825-67-8	ug/L												
	Silane, trimethylphenoxy-	1529-17-5	ug/L												
	Tetradecanoic acid	544-63-8	ug/L												
	Toluene	108-88-3	ug/L			7.4	JN								
	Triacetin	102-76-1	ug/L									9.2	JN	9.5	JN
	Tributyl phosphate	126-73-8	ug/L												
	Trichloroethene	79-01-6	ug/L												
	Tridecanoic acid	638-53-9	ug/L												
	Triphenylphosphine oxide	791-28-6	ug/L												
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	ug/L			350	JN	790	JN	780	JN	550	JN	690	JN
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	ug/L			45	JN	64	JN	46	JN	61	JN	75	JN
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	ug/L			30	JN	56	JN	40	JN	46	JN	45	JN
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	ug/L			23	JN	56	JN	31	JN	19	JN	25	JN
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	ug/L			19	JN	33	JN	26	JN	16	JN	25	JN
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	ug/L			19	JN	24	JN	20	JN	15	JN	22	JN
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	ug/L			16	JN	24	JN	20	JN	15	JN	19	JN
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	ug/L			11	JN	23	JN	15	JN	13	JN	14	JN
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	ug/L			9.9	JN	23	JN	15	JN	11	JN	13	JN
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	ug/L			6.1	JN	16	JN	12	JN	11	JN	12	JN
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	ug/L			6	JN	15	JN	12	JN	8.9	JN	7.6	JN
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	ug/L			4.7	JN	15	JN	11	JN			7.6	JN
	UNKNOWN SEMIVOLATILE WITH 13TH HIGHEST CONC.	UNKSV13	ug/L			4.6	JN	13	JN	8.5	JN			7	JN
	UNKNOWN SEMIVOLATILE WITH 14TH HIGHEST CONC.	UNKSV14	ug/L			4.5	JN	11	JN	6.2	JN			6.4	JN
	UNKNOWN SEMIVOLATILE WITH 15TH HIGHEST CONC.	UNKSV15	ug/L					9.6	JN	5.9	JN			6.3	JN
	UNKNOWN SEMIVOLATILE WITH 16TH HIGHEST CONC.	UNKSV16	ug/L					9.3	JN	3.8	JN				
	UNKNOWN SEMIVOLATILE WITH 17TH HIGHEST CONC.	UNKSV17	ug/L					8.9	JN						
	UNKNOWN SEMIVOLATILE WITH 18TH HIGHEST CONC.	UNKSV18	ug/L												
	UNKNOWN SEMIVOLATILE WITH 19TH HIGHEST CONC.	UNKSV19	ug/L												
	Vanillin	121-33-5	ug/L												

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		T-5D		T-5S		T-6		T-7		T-9		T-10	
				Sample Date	Sample ID	12/20/2013 11:15		12/20/2013 0:00		9/23/2013 11:15		9/25/2013 14:55		9/25/2013 11:50		10/3/2013 14:20	
						T5D (122013)	DUP1 (122013)	T5S (092313)	T-6 (092513)	T-7 (092513)	T-9 (100313)	T-10 (10/01/13)	T-10 (10/01/13)	T-10 (10/01/13)	T-10 (10/01/13)	T-10 (10/01/13)	T-10 (10/01/13)
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC	1,2,3-Trimethylbenzene	526-73-8	ug/L														
	1,2-Dichloro-1,1,2-trifluoroethane	354-23-4	ug/L							27	JN			44	JN		
	1-Hexanol, 2-ethyl-	104-76-7	ug/L														
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L														
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	ug/L														
	1H-Indene, 2,3-dihydro-5-methyl-	874-35-1	ug/L														
	2,2-Dichloro-1,1,1-trifluoroethane	306-83-2	ug/L														
	2,2-Dichloropropane	594-20-7	ug/L									1.3	J				
	2,4-Dithiapentane	1618-26-4	ug/L					910	JN								
	2-Ethyltoluene	611-14-3	ug/L														
	2-Heptanone	110-43-0	ug/L											10	JN		
	2-Isopropyltoluene	527-84-4	ug/L														
	2-Methylthiophene	554-14-3	ug/L														
	2-Pentanone	107-87-9	ug/L					1,400	JN								
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L														
	3-Buten-2-one, 3-methyl-	814-78-8	ug/L											7.1	JN		
	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L														
	3-Pentanone, 2,4-dimethyl-	565-80-0	ug/L														
	4-Heptanone	123-19-3	ug/L											27	JN		
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	ug/L														
	Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	ug/L														
	Benzene, 1-methyl-3-propyl-	1074-43-7	ug/L														
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	ug/L														
	Butane, 2,2-dimethyl-	75-83-2	ug/L														
	Butane, 2,3-dimethyl-	79-29-8	ug/L														
	Butane, 2-methyl-	78-78-4	ug/L														
	Cyclohexane, 1,3-dimethyl-, cis-	638-04-0	ug/L														
	Cyclohexene	110-83-8	ug/L														
	Cyclopentane, methyl-	96-37-7	ug/L														
	Dichlorofluoromethane	75-43-4	ug/L											11	J		
	Dimethyl sulfide	75-18-3	ug/L							22	JN						
	Disiloxane, hexamethyl-	107-46-0	ug/L														
	Epichlorohydrin	106-89-8	ug/L	260	J												
	Ethane, 1-chloro-1-fluoro-	1615-75-4	ug/L														
	Ethene, 1-chloro-1-fluoro-	2317-91-1	ug/L														
	Ethene, chlorotrifluoro-	79-38-9	ug/L							7.1	JN						
	Ethyl tert-butyl ether	637-92-3	ug/L														
	Hexachlorobutadiene	87-68-3	ug/L														
	Hexane, 2-methyl-	591-76-4	ug/L														
	Hexane, 3-methyl-	589-34-4	ug/L														
	Hexanoic acid, hexyl ester	6378-65-0	ug/L	2.5	JN												
	Hexanoic acid, pentyl ester	540-07-8	ug/L	14	JN	6.2	JN										
	Hydroperoxide, 1-methylethyl	3031-75-2	ug/L														
	Indane	496-11-7	ug/L														
	Indene	95-13-6	ug/L														
	Isopropyl alcohol	67-63-0	ug/L					3,200	J					3,900	EJ		
	Isopropyl ether	108-20-3	ug/L														
	Methanethiol	74-93-1	ug/L							3.2	JN						
	Naphthalene, 1,3-dimethyl-	575-41-7	ug/L														
	Naphthalene, 1,4,6-trimethyl-	2131-42-2	ug/L														

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location				T-5D				T-5S		T-6		T-7		T-9		T-10	
				Sample Date		Sample ID		12/20/2013 11:15	12/20/2013 0:00	9/23/2013 11:15	9/25/2013 14:55	9/25/2013 11:50	10/3/2013 14:20	10/1/2013 13:55			
				T5D (122013)	DUP1 (122013)	T-5S (092313)	T-6 (092513)	T-7 (092513)	T-9 (100313)	T-10 (10/01/13)							
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC (Cont.)	Naphthalene, 1,6,7-trimethyl-	2245-38-7	ug/L					280	JN								
	Naphthalene, 1-ethyl-	1127-76-0	ug/L														
	Naphthalene, 2,3,6-trimethyl-	829-26-5	ug/L					260	JN								
	Naphthalene, 2,6-dimethyl-	581-42-0	ug/L														
	Pentane, 2-methyl-	107-83-5	ug/L														
	Propanal, 2-methyl-	78-84-2	ug/L														
	Propene	115-07-1	ug/L														
	Propionitrile	107-12-0	ug/L														
	Silane, fluorotrimethyl-	420-56-4	ug/L														
	Silane, methoxytrimethyl-	1825-61-2	ug/L														
	Silanol, trimethyl-	1066-40-6	ug/L														
	tert-Butyldimethylsilano	18173-64-3	ug/L														
	Trans-2-butene	624-64-6	ug/L														
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	ug/L	12	JN			19,000	JN		R		R	450	JN		R
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	ug/L	5.1	JN			990	JN	3.2	JN	4.5	JN	190	JN	49	JN
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	ug/L					690	JN					41	JN	18	JN
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	ug/L					340	JN					26	JN		
UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	ug/L					280	JN									
UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	ug/L															
UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	ug/L															
UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	ug/L															
UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	ug/L															
SVOCs Method SW8270C/D TIC	[1,1'-Bicyclohexyl]-2-one	90-42-6	ug/L														
	1,2,3-Trimethylbenzene	526-73-8	ug/L														
	1,2,4,5-Tetramethylbenzene	95-93-2	ug/L														
	1,2,4-Trimethylbenzene	95-63-6	ug/L														
	1,2-Dichloroethene (total)	540-59-0	ug/L														
	1,2-Diphenylhydrazine	122-66-7	ug/L														
	1,3,5-Cycloheptatriene	544-25-2	ug/L					610	JN								
	1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tri-2-propen-1-yl	1025-15-6	ug/L														
	1,3,5-Trimethylbenzene	108-67-8	ug/L														
	1,3,5-Trithiane	291-21-4	ug/L					930	JN	21	JN						
	1,4-Dioxane	123-91-1	ug/L												12	J	
	17-Pentatriacontene	6971-40-0	ug/L														
	1-Decene	872-05-9	ug/L														
	1-Docosene	1599-67-3	ug/L														
	1H,3H-Naphtho[1,8-cd]pyran-1-one	518-86-5	ug/L														
	1H-Benzotriazole, 5-methyl-	136-85-6	ug/L														
	1-Hepten-3-yne	2384-73-8	ug/L														
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L														
	1-Penten-3-ol, 3-ethyl-2-methyl-	28832-46-4	ug/L														
	2,4-Dithiapentane	1618-26-4	ug/L					1,100	JN								
	2-Butanol, 3-methyl-, (S)-	1517-66-4	ug/L														
	2-Cyclohexen-1-one	930-68-7	ug/L														
	2-Cyclopenten-1-one, 2,3-dimethyl-	1121-05-7	ug/L														
	2-Ethyltoluene	611-14-3	ug/L														
	2-Pentanol, 2-methyl-	590-36-3	ug/L													330	JN
	2-Pentanol, 4-methyl-	108-11-2	ug/L	2.8	JN									730	JN		
	2-Propanol, 1-[1-methyl-2-(2-propenyloxy)ethoxy]	55956-25-7	ug/L	3.7	JN	5.9	JN										
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L														

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		T-5D		T-5S		T-6		T-7		T-9		T-10	
				Sample Date	Sample ID	12/20/2013 11:15	12/20/2013 0:00	9/25/2013 11:15	9/25/2013 14:55	9/25/2013 11:50	10/3/2013 14:20	10/1/2013 13:55	T-10 (10/01/13)	T-9 (100313)	T-7 (092513)	T-6 (092513)	T-5S (092313)
						T5D (122013)	DUP1 (122013)	T-5S (092313)	T-6 (092513)	T-7 (092513)	T-9 (100313)	T-10 (10/01/13)					
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L														
	3-Hexenedinitrile	1119-85-3	ug/L														
	4,4'-Diaminobenzophenone	611-98-3	ug/L														
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	ug/L														
	4-Methyl-2-pentanone	108-10-1	ug/L		R		R	92,000	JN					2,700	JN		
	4-Methylphenol	106-44-5	ug/L														
	4-Nitrosophenyl-.beta.-phenylpropionate	1000129-40-0	ug/L														
	4-Piperidinone, 2,2,6,6-tetramethyl-	826-36-8	ug/L														
	5-Nitro-o-toluidine	99-55-8	ug/L														
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	ug/L	16	JN												
	9-Octadecenamide, (Z)-	301-02-0	ug/L														
	Acetic acid	64-19-7	ug/L														
	Acetic acid, (trimethylsilyl)-	2345-38-2	ug/L														
	Acetic acid, 1,1-dimethylethyl ester	540-88-5	ug/L														
	Acetic acid, phenoxy-	122-59-8	ug/L					1,300	JN								
	Alpha-Terpineol	98-55-5	ug/L														
	Azobenzene	103-33-3	ug/L														
	Benzenamine, 4,4'-methylenebis-	101-77-9	ug/L														
	Benzenamine, 4-chloro-N,N-dimethyl-	698-69-1	ug/L														
	Benzenamine, N,N-dimethyl-4-nitro-	100-23-2	ug/L														
	Benzene	71-43-2	ug/L														
	Benzene, [1-(2,4-Cyclopentadiene-1-ylidene)ethyl]	2320-32-3	ug/L														
	Benzene, 1,4-diethyl-	105-05-5	ug/L														
	Benzene, 1-methyl-2-(phenylmethyl)-	713-36-0	ug/L														
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	ug/L														
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	ug/L														
	Benzenecetic acid	103-82-2	ug/L					640	JN								
	Benzenemethanol, .alpha.,.alpha.-dimethyl	617-94-7	ug/L														
	Benzenepropanoic acid	501-52-0	ug/L														
	Benzenesulfonic acid, 4-hydroxy-	98-67-9	ug/L														
	Benzoic acid	65-85-0	ug/L														
	Benzoic acid, 3-methyl-	99-04-7	ug/L														
	Benzoic acid, 4-(dimethylamino)-	619-84-1	ug/L														
	Benzoic acid, 4-(methylamino)-	10541-83-0	ug/L														
	Benzoic acid, 4-(phenylmethyl)-	620-86-0	ug/L														
	Benzoic acid, 4-methyl-	99-94-5	ug/L														
	Benzothiazole	95-16-9	ug/L														
	Benzylmalonic acid	616-75-1	ug/L														
	Bicyclo[2.2.1]hept-2-ene, 5-ethyl-	15403-89-1	ug/L														
	Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1S,4S)	464-48-2	ug/L														
	Butane, 2-methoxy-	6795-87-5	ug/L														
	Butanoic acid	107-92-6	ug/L														
	Butyl Stearate	123-95-5	ug/L														
	Carbonic acid, dimethyl ester	616-38-6	ug/L														
	Chloroform	67-66-3	ug/L														
	Crotonic acid	3724-65-0	ug/L														
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	ug/L														
	Cyclohexane	110-82-7	ug/L					4,500	JN	61	JN	35	JN	660	JN	26	JN
	Cyclohexanone	108-94-1	ug/L														
	Cyclohexene, 1-methyl-4-(1-methylethenyl)	5989-54-8	ug/L														

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		T-5D		T-5S		T-6		T-7		T-9		T-10	
				Sample Date	Sample ID	12/20/2013 11:15		12/20/2013 0:00		9/25/2013 11:15		9/25/2013 14:55		9/25/2013 11:50		10/3/2013 14:20	
						T5D (122013)	DUP1 (122013)	T-5S (092313)	T-6 (092513)	T-7 (092513)	T-9 (100313)	T-10 (10/01/13)	T-10 (10/01/13)	T-10 (10/01/13)	T-10 (10/01/13)	T-10 (10/01/13)	T-10 (10/01/13)
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Cyclopentasiloxane, decamethyl-	541-02-6	ug/L														
	Cyclopropane, 1,2-dimethyl-, cis-	930-18-7	ug/L			3.8	JN										
	Cyclotetrasiloxane, octamethyl-	556-67-2	ug/L														
	Cyclotrisiloxane, hexamethyl-	541-05-9	ug/L														
	Decane, 2-methyl-	6975-98-0	ug/L														
	Decane, 4-methyl-	2847-72-5	ug/L														
	Dehydroabietic acid	1740-19-8	ug/L														
	Dibutyl ether	142-96-1	ug/L														
	Dicyclohexylamine	101-83-7	ug/L														
	Disiloxane, hexamethyl-	107-46-0	ug/L														
	Dodecanoic acid	143-07-7	ug/L														
	Erucylamide	112-84-5	ug/L														
	Ethanedione, diphenyl-, dioxime	23873-81-6	ug/L														
	Ethanol, 2-butoxy-	111-76-2	ug/L														
	Ethylbenzene	100-41-4	ug/L														
	Formamide, N-methyl-N-phenyl-	93-61-8	ug/L														
	Formylmethylenetriphenylphosphorane	28900-91-6	ug/L														
	Heptadecanoic acid	506-12-7	ug/L														
	Hexadecanoic acid, butyl ester	111-06-8	ug/L														
	Hexanoic acid, 2-ethyl-	149-57-5	ug/L					34,000	JN								
	Indane	496-11-7	ug/L														
	Isopropylbenzene	98-82-8	ug/L														
	Methanone, (4-aminophenyl)phenyl-	1137-41-3	ug/L														
	Methylene Chloride	75-09-2	ug/L														
	m-Xylene	108-38-3	ug/L	3.7	JN	3.8	JN			71	JN	67	JN				
	n-Decane	124-18-5	ug/L														
	n-Decanoic acid	334-48-5	ug/L														
	n-Dodecane	112-40-3	ug/L														
	n-Hexadecanoic acid	57-10-3	ug/L	7.5	JN							6.7	JN			7.5	JN
	N-Nitrosodimethylamine	62-75-9	ug/L														
	Nonane, 2,6-dimethyl-	17302-28-2	ug/L														
	Nonane, 3,7-dimethyl-	17302-32-8	ug/L														
	N-Propylbenzene	103-65-1	ug/L														
	Octadecanoic acid	57-11-4	ug/L	4.5	JN	2.4	JN			18	JN						
	Octanoic Acid	124-07-2	ug/L														
	o-Toluidine	95-53-4	ug/L														
	o-Xylene	95-47-6	ug/L														
	Pentane, 2,2'-oxybis-	56762-00-6	ug/L														
	Pentatriacontane	630-07-9	ug/L														
	Phenol, 2-(1,1-dimethylethyl)-	88-18-6	ug/L														
	Phenol, 2-(phenylmethyl)-	28994-41-4	ug/L														
	Phenol, 4-(1,1-dimethylpropyl)-	80-46-6	ug/L														
	Phenol, 4-(phenylmethyl)-	101-53-1	ug/L														
	Phenol, 4,4'-(1-methylethylidene)bis-	80-05-7	ug/L														
	Phenol, 4-chloro-2-(phenylmethyl)-	120-32-1	ug/L														
	Phthalic anhydride	85-44-9	ug/L														
	Podocarpa-8,11,13-trien-15-oic acid, 13-	1000164-00-3	ug/L														
	Propanoic acid, 2-phenoxy-	940-31-8	ug/L													4,000	JN
	p-Xylene	106-42-3	ug/L														
	Pyridine, 2,4-dimethyl-	108-47-4	ug/L														

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location				T-5D				T-5S		T-6		T-7		T-9		T-10	
Sample Date				12/20/2013 11:15		12/20/2013 0:00		9/23/2013 11:15		9/25/2013 14:55		9/25/2013 11:50		10/3/2013 14:20		10/1/2013 13:55	
Sample ID				T5D (122013)		DUP1 (122013)		T-5S (092313)		T-6 (092513)		T-7 (092513)		T-9 (100313)		T-10 (10/01/13)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Silane, butoxytrimethyl-	1825-65-6	ug/L														
	Silane, methylenebis[methyl-	5/7/5654	ug/L														
	Silane, trimethyl(1-methylbutoxy)-	1825-67-8	ug/L														
	Silane, trimethylphenoxy-	1529-17-5	ug/L														
	Tetradecanoic acid	544-63-8	ug/L														
	Toluene	108-88-3	ug/L														
	Triacetin	102-76-1	ug/L														
	Tributyl phosphate	126-73-8	ug/L														
	Trichloroethene	79-01-6	ug/L														
	Tridecanoic acid	638-53-9	ug/L			6.7	JN										
	Triphenylphosphine oxide	791-28-6	ug/L														
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	ug/L	22	JN	71	JN	48,000	JN	780	JN	670	JN	39,000	JN	1,600	JN
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	ug/L	18	JN	18	JN		R	180	JN	37	JN	5,200	JN	31	JN
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	ug/L	10	JN	16	JN	1,300	JN	160	JN	32	JN	890	JN	30	JN
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	ug/L	9.2	JN	16	JN	1,200	JN	110	JN	29	JN	650	JN	30	JN
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	ug/L	8.1	JN	8.4	JN	720	JN	62	JN	20	JN	620	JN	25	JN
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	ug/L	4.5	JN	6.3	JN	650	JN	48	JN	19	JN	390	JN	24	JN
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	ug/L	4.1	JN	4.8	JN	630	JN	34	JN	14	JN	230	JN	22	JN
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	ug/L	3.5	JN	4.4	JN	620	JN	31	JN	13	JN	200	JN	16	JN
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	ug/L	3.1	JN	3.3	JN	540	JN	25	JN	12	JN	180	JN	12	JN
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	ug/L	2.7	JN	3.2	JN	540	JN	22	JN	11	JN			8.6	JN
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	ug/L	2.5	JN	2.8	JN			20	JN	11	JN			8.5	JN
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	ug/L	2.1	JN	2.6	JN			17	JN	5.6	JN			8.3	JN
	UNKNOWN SEMIVOLATILE WITH 13TH HIGHEST CONC.	UNKSV13	ug/L	1.6	JN	2	JN			16	JN	5.6	JN			8.1	JN
	UNKNOWN SEMIVOLATILE WITH 14TH HIGHEST CONC.	UNKSV14	ug/L							15	JN	5.4	JN			7.8	JN
	UNKNOWN SEMIVOLATILE WITH 15TH HIGHEST CONC.	UNKSV15	ug/L							15	JN	5.2	JN				
	UNKNOWN SEMIVOLATILE WITH 16TH HIGHEST CONC.	UNKSV16	ug/L									5.1	JN				
	UNKNOWN SEMIVOLATILE WITH 17TH HIGHEST CONC.	UNKSV17	ug/L									4.9	JN				
	UNKNOWN SEMIVOLATILE WITH 18TH HIGHEST CONC.	UNKSV18	ug/L														
	UNKNOWN SEMIVOLATILE WITH 19TH HIGHEST CONC.	UNKSV19	ug/L														
	Vanillin	121-33-5	ug/L														

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		T-11		T-12		T-13		T-15		T-16		T-17		T-18	
				Sample Date		9/19/2013 14:10		9/26/2013 14:15		9/26/2013 11:40		10/17/2013 14:45		10/2/2013 16:15		9/30/2013 15:15		9/30/2013 11:40	
				Sample ID		T-11 (091913)		T-12 (092613)		T-13 (092613)		T-15 (101713)		T-16 (100213)		T-17 (093013)		T-18 (093013)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC	1,2,3-Trimethylbenzene	526-73-8	ug/L																
	1,2-Dichloro-1,1,2-trifluoroethane	354-23-4	ug/L																
	1-Hexanol, 2-ethyl-	104-76-7	ug/L																
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L																
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	ug/L																
	1H-Indene, 2,3-dihydro-5-methyl-	874-35-1	ug/L																
	2,2-Dichloro-1,1,1-trifluoroethane	306-83-2	ug/L																
	2,2-Dichloropropane	594-20-7	ug/L																
	2,4-Dithiapentane	1618-26-4	ug/L																
	2-Ethyltoluene	611-14-3	ug/L																
	2-Heptanone	110-43-0	ug/L																
	2-Isopropyltoluene	527-84-4	ug/L																
	2-Methylthiophene	554-14-3	ug/L																
	2-Pentanone	107-87-9	ug/L																
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L																
	3-Buten-2-one, 3-methyl-	814-78-8	ug/L																
	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L																
	3-Pentanone, 2,4-dimethyl-	565-80-0	ug/L																
	4-Heptanone	123-19-3	ug/L																
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	ug/L																
	Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	ug/L																
	Benzene, 1-methyl-3-propyl-	1074-43-7	ug/L																
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	ug/L																
	Butane, 2,2-dimethyl-	75-83-2	ug/L																
	Butane, 2,3-dimethyl-	79-29-8	ug/L																
	Butane, 2-methyl-	78-78-4	ug/L																
	Cyclohexane, 1,3-dimethyl-, cis-	638-04-0	ug/L																
	Cyclohexene	110-83-8	ug/L																
	Cyclopentane, methyl-	96-37-7	ug/L																
	Dichlorofluoromethane	75-43-4	ug/L																
	Dimethyl sulfide	75-18-3	ug/L																
	Disiloxane, hexamethyl-	107-46-0	ug/L			84	JN												
	Epichlorohydrin	106-89-8	ug/L																
	Ethane, 1-chloro-1-fluoro-	1615-75-4	ug/L																
	Ethene, 1-chloro-1-fluoro-	2317-91-1	ug/L																
	Ethene, chlorotrifluoro-	79-38-9	ug/L																
	Ethyl tert-butyl ether	637-92-3	ug/L					49	J										
	Hexachlorobutadiene	87-68-3	ug/L																
	Hexane, 2-methyl-	591-76-4	ug/L																
	Hexane, 3-methyl-	589-34-4	ug/L																
	Hexanoic acid, hexyl ester	6378-65-0	ug/L																
	Hexanoic acid, pentyl ester	540-07-8	ug/L																
	Hydroperoxide, 1-methylethy	3031-75-2	ug/L																
	Indane	496-11-7	ug/L											14	JN				
	Indene	95-13-6	ug/L											3.3	JN				
	Isopropyl alcohol	67-63-0	ug/L																
	Isopropyl ether	108-20-3	ug/L																
	Methanethiol	74-93-1	ug/L																
	Naphthalene, 1,3-dimethyl-	575-41-7	ug/L																
	Naphthalene, 1,4,6-trimethyl-	2131-42-2	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		T-11		T-12		T-13		T-15		T-16		T-17		T-18	
				Sample ID	Sample Date	9/19/2013 14:10		9/26/2013 14:15		9/26/2013 11:40		10/17/2013 14:45		10/2/2013 16:15		9/30/2013 15:15		9/30/2013 11:40	
						T-11 (091913)	T-11 (091913)	T-12 (092613)	T-12 (092613)	T-13 (092613)	T-13 (092613)	T-15 (101713)	T-15 (101713)	T-16 (100213)	T-16 (100213)	T-17 (093013)	T-17 (093013)	T-18 (093013)	T-18 (093013)
VOCs Method SW8260B/C TIC (Cont.)	Naphthalene, 1,6,7-trimethyl-	2245-38-7	ug/L																
	Naphthalene, 1-ethyl-	1127-76-0	ug/L																
	Naphthalene, 2,3,6-trimethyl-	829-26-5	ug/L																
	Naphthalene, 2,6-dimethyl-	581-42-0	ug/L																
	Pentane, 2-methyl-	107-83-5	ug/L																
	Propanal, 2-methyl-	78-84-2	ug/L																
	Propene	115-07-1	ug/L																
	Propionitrile	107-12-0	ug/L					140	J	28	J								
	Silane, fluorotrimethyl-	420-56-4	ug/L					73	JN	32	JN								
	Silane, methoxytrimethyl-	1825-61-2	ug/L					290	JN	39	JN								
	Silanol, trimethyl-	1066-40-6	ug/L					6,700	JN	1,700	JN			11	JN				
	tert-Butyldimethylsilano	18173-64-3	ug/L																
	Trans-2-butene	624-64-6	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	ug/L					44	JN				R	12	JN	46	JN	35	JN
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	ug/L					26	JN					9.6	JN	27	JN		
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	ug/L					26	JN					5.9	JN	21	JN		
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	ug/L					20	JN					5	JN	15	JN		
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	ug/L					16	JN							15	JN		
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	ug/L													4.8	JN		
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	ug/L													4.5	JN		
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	ug/L													4.5	JN		
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	ug/L													2.7	JN		
SVOCs Method SW8270C/D TIC	[1,1'-Bicyclohexyl]-2-one	90-42-6	ug/L																
	1,2,3-Trimethylbenzene	526-73-8	ug/L																
	1,2,4,5-Tetramethylbenzene	95-93-2	ug/L																
	1,2,4-Trimethylbenzene	95-63-6	ug/L																
	1,2-Dichloroethene (total)	540-59-0	ug/L																
	1,2-Diphenylhydrazine	122-66-7	ug/L																
	1,3,5-Cycloheptatriene	544-25-2	ug/L																
	1,3,5-Triazine-2,4,6-(1H,3H,5H)-trione, 1,3,5-tri-2-propen-1-yl	1025-15-6	ug/L																
	1,3,5-Trimethylbenzene	108-67-8	ug/L																
	1,3,5-Trithiane	291-21-4	ug/L																
	1,4-Dioxane	123-91-1	ug/L													4	J		
	17-Pentatriacontene	6971-40-0	ug/L																
	1-Decene	872-05-9	ug/L													6.4	JN		
	1-Docosene	1599-67-3	ug/L																
	1H,3H-Naphtho[1,8-cd]pyran-1-one	518-86-5	ug/L																
	1H-Benzotriazole, 5-methyl-	136-85-6	ug/L							91	JN							9.9	JN
	1-Hepten-3-yne	2384-73-8	ug/L																
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L																
	1-Penten-3-ol, 3-ethyl-2-methyl-	28832-46-4	ug/L													8.6	JN		
	2,4-Dithiapentane	1618-26-4	ug/L																
	2-Butanol, 3-methyl-, (S)-	1517-66-4	ug/L																
	2-Cyclohexen-1-one	930-68-7	ug/L							55	JN								
	2-Cyclopenten-1-one, 2,3-dimethyl-	1121-05-7	ug/L																
	2-Ethyltoluene	611-14-3	ug/L																
	2-Pentanol, 2-methyl-	590-36-3	ug/L																
	2-Pentanol, 4-methyl-	108-11-2	ug/L																
	2-Propanol, 1-[1-methyl-2-(2-propenyloxy)ethoxy]	55956-25-7	ug/L																
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		T-11		T-12		T-13		T-15		T-16		T-17		T-18	
				Sample Date		9/19/2013 14:10		9/26/2013 14:15		9/26/2013 11:40		10/17/2013 14:45		10/2/2013 16:15		9/30/2013 15:15		9/30/2013 11:40	
				Sample ID		T-11 (091913)		T-12 (092613)		T-13 (092613)		T-15 (101713)		T-16 (100213)		T-17 (093013)		T-18 (093013)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L																
	3-Hexenedinitrile	1119-85-3	ug/L																
	4,4'-Diaminobenzophenone	611-98-3	ug/L																
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	ug/L																
	4-Methyl-2-pentanone	108-10-1	ug/L											47	JN				
	4-Methylphenol	106-44-5	ug/L																
	4-Nitrosophenyl-.beta.-phenylpropionate	1000129-40-0	ug/L																
	4-Piperidinone, 2,2,6,6-tetramethyl-	826-36-8	ug/L																
	5-Nitro-o-toluidine	99-55-8	ug/L																
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	ug/L																
	9-Octadecenamide, (Z)-	301-02-0	ug/L																
	Acetic acid	64-19-7	ug/L																
	Acetic acid, (trimethylsilyl)-	2345-38-2	ug/L			23	JN												
	Acetic acid, 1,1-dimethylethyl ester	540-88-5	ug/L	6.4	JN														
	Acetic acid, phenoxy-	122-59-8	ug/L																
	Alpha-Terpineol	98-55-5	ug/L											5.7	J				
	Azobenzene	103-33-3	ug/L																
	Benzenamine, 4,4'-methylenebis-	101-77-9	ug/L																
	Benzenamine, 4-chloro-N,N-dimethyl-	698-69-1	ug/L																
	Benzenamine, N,N-dimethyl-4-nitro-	100-23-2	ug/L																
	Benzene	71-43-2	ug/L																
	Benzene, [1-(2,4-Cyclopentadiene-1-ylidene)ethyl]	2320-32-3	ug/L																
	Benzene, 1,4-diethyl-	105-05-5	ug/L																
	Benzene, 1-methyl-2-(phenylmethyl)	713-36-0	ug/L																
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	ug/L																
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	ug/L																
	Benzeneacetic acid	103-82-2	ug/L																
	Benzenemethanol, .alpha.,.alpha.-dimethyl	617-94-7	ug/L																
	Benzenepropanoic acid	501-52-0	ug/L																
	Benzenesulfonic acid, 4-hydroxy-	98-67-9	ug/L																
	Benzoic acid	65-85-0	ug/L																
	Benzoic acid, 3-methyl-	99-04-7	ug/L																
	Benzoic acid, 4-(dimethylamino)-	619-84-1	ug/L																
	Benzoic acid, 4-(methylamino)-	10541-83-0	ug/L																
	Benzoic acid, 4-(phenylmethyl)-	620-86-0	ug/L																
	Benzoic acid, 4-methyl-	99-94-5	ug/L																
	Benzothiazole	95-16-9	ug/L															6	JN
	Benzylmalonic acid	616-75-1	ug/L																
	Bicyclo[2.2.1]hept-2-ene, 5-ethyl-	15403-89-1	ug/L																
	Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1S,4S)	464-48-2	ug/L																
	Butane, 2-methoxy-	6795-87-5	ug/L																
	Butanoic acid	107-92-6	ug/L	6.9	JN														
	Butyl Stearate	123-95-5	ug/L																
	Carbonic acid, dimethyl ester	616-38-6	ug/L																
	Chloroform	67-66-3	ug/L																
	Crotonic acid	3724-65-0	ug/L																
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	ug/L							7.1	JN								
	Cyclohexane	110-82-7	ug/L	30	JN			57	JN	53	JN	51	JN	23	JN	29	JN	38	JN
	Cyclohexanone	108-94-1	ug/L							7.9	JN								
	Cyclohexene, 1-methyl-4-(1-methylethenyl)	5989-54-8	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		T-11		T-12		T-13		T-15		T-16		T-17		T-18	
				Sample Date		9/19/2013 14:10		9/26/2013 14:15		9/26/2013 11:40		10/17/2013 14:45		10/2/2013 16:15		9/30/2013 15:15		9/30/2013 11:40	
				Sample ID		T-11 (091913)		T-12 (092613)		T-13 (092613)		T-15 (101713)		T-16 (100213)		T-17 (093013)		T-18 (093013)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Cyclopentasiloxane, decamethyl-	541-02-6	ug/L																
	Cyclopropane, 1,2-dimethyl-, cis-	930-18-7	ug/L																
	Cyclotetrasiloxane, octamethyl-	556-67-2	ug/L																
	Cyclotrisiloxane, hexamethyl-	541-05-9	ug/L																
	Decane, 2-methyl-	6975-98-0	ug/L																
	Decane, 4-methyl-	2847-72-5	ug/L																
	Dehydroabietic acid	1740-19-8	ug/L																
	Dibutyl ether	142-96-1	ug/L																
	Dicyclohexylamine	101-83-7	ug/L																
	Disiloxane, hexamethyl-	107-46-0	ug/L			72	JN												
	Dodecanoic acid	143-07-7	ug/L																
	Erucylamide	112-84-5	ug/L																
	Ethanedione, diphenyl-, dioxime	23873-81-6	ug/L																
	Ethanol, 2-butoxy-	111-76-2	ug/L																
	Ethylbenzene	100-41-4	ug/L																
	Formamide, N-methyl-N-phenyl-	93-61-8	ug/L																
	Formylmethylenetriphenylphosphorane	28900-91-6	ug/L																
	Heptadecanoic acid	506-12-7	ug/L																
	Hexadecanoic acid, butyl ester	111-06-8	ug/L																
	Hexanoic acid, 2-ethyl-	149-57-5	ug/L																
	Indane	496-11-7	ug/L																
	Isopropylbenzene	98-82-8	ug/L																
	Methanone, (4-aminophenyl)phenyl-	1137-41-3	ug/L																
	Methylene Chloride	75-09-2	ug/L																
	m-Xylene	108-38-3	ug/L																
	n-Decane	124-18-5	ug/L													5	JN		
	n-Decanoic acid	334-48-5	ug/L																
	n-Dodecane	112-40-3	ug/L																
	n-Hexadecanoic acid	57-10-3	ug/L	9.6	JN							9.9	JN	5.7	JN				
	N-Nitrosodimethylamine	62-75-9	ug/L																
	Nonane, 2,6-dimethyl-	17302-28-2	ug/L																
	Nonane, 3,7-dimethyl-	17302-32-8	ug/L																
	N-Propylbenzene	103-65-1	ug/L																
	Octadecanoic acid	57-11-4	ug/L	12	JN					16	JN	17	JN	11	JN	4.8	JN	11	JN
	Octanoic Acid	124-07-2	ug/L																
	o-Toluidine	95-53-4	ug/L																
	o-Xylene	95-47-6	ug/L	48	JN							9.2	JN						
	Pentane, 2,2'-oxybis-	56762-00-6	ug/L																
	Pentatriacontane	630-07-9	ug/L																
	Phenol, 2-(1,1-dimethylethyl)-	88-18-6	ug/L																
	Phenol, 2-(phenylmethyl)-	28994-41-4	ug/L																
	Phenol, 4-(1,1-dimethylpropyl)-	80-46-6	ug/L																
	Phenol, 4-(phenylmethyl)-	101-53-1	ug/L																
	Phenol, 4,4'-(1-methylethylidene)bis-	80-05-7	ug/L																
	Phenol, 4-chloro-2-(phenylmethyl)-	120-32-1	ug/L																
	Phthalic anhydride	85-44-9	ug/L																
	Podocarpa-8,11,13-trien-15-oic acid, 13-	1000164-00-3	ug/L																
	Propanoic acid, 2-phenoxy-	940-31-8	ug/L																
	p-Xylene	106-42-3	ug/L																
	Pyridine, 2,4-dimethyl-	108-47-4	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		T-11		T-12		T-13		T-15		T-16		T-17		T-18	
				Sample Date	Sample ID	9/19/2013 14:10		9/26/2013 14:15		9/26/2013 11:40		10/17/2013 14:45		10/2/2013 16:15		9/30/2013 15:15		9/30/2013 11:40	
						T-11 (091913)		T-12 (092613)		T-13 (092613)		T-15 (101713)		T-16 (100213)		T-17 (093013)		T-18 (093013)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Silane, butoxytrimethyl-	1825-65-6	ug/L																
	Silane, methylenebis(methyl-	5/7/5654	ug/L																
	Silane, trimethyl(1-methylbutoxy)-	1825-67-8	ug/L																
	Silane, trimethylphenoxy-	1529-17-5	ug/L																
	Tetradecanoic acid	544-63-8	ug/L																
	Toluene	108-88-3	ug/L																
	Triacetin	102-76-1	ug/L																
	Tributyl phosphate	126-73-8	ug/L																
	Trichloroethene	79-01-6	ug/L													13	JN	8.4	JN
	Tridecanoic acid	638-53-9	ug/L																
	Triphenylphosphine oxide	791-28-6	ug/L																
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	ug/L	630	JN	760	JN	880	JN	930	JN	1,500	JN	770	JN	900	JN		
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	ug/L	54	JN	58	JN	100	JN	48	JN	38	JN	23	JN	31	JN		
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	ug/L	44	JN	51	JN	71	JN	34	JN	30	JN	19	JN	22	JN		
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	ug/L	23	JN	39	JN	40	JN	21	JN	19	JN	17	JN	16	JN		
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	ug/L	18	JN	33	JN	34	JN	18	JN	19	JN	16	JN	16	JN		
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	ug/L	18	JN	32	JN	24	JN	13	JN	16	JN	12	JN	13	JN		
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	ug/L	18	JN	23	JN	21	JN	13	JN	15	JN	9.6	JN	13	JN		
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	ug/L	14	JN	20	JN	20	JN	12	JN	12	JN	9	JN	11	JN		
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	ug/L	13	JN	19	JN	20	JN	8.7	JN	11	JN	8.2	JN	9.8	JN		
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	ug/L	11	JN	14	JN	13	JN	8.2	JN	8.8	JN	6.2	JN	8.4	JN		
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	ug/L	7.5	JN	14	JN	11	JN	7.4	JN	8.5	JN	5.1	JN	7.8	JN		
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	ug/L	7.3	JN	14	JN	8.8	JN	5.6	JN	7.3	JN	4.4	JN	6.8	JN		
	UNKNOWN SEMIVOLATILE WITH 13TH HIGHEST CONC.	UNKSV13	ug/L	7.2	JN	14	JN	8.7	JN	4.7	JN	6.8	JN	4.1	JN	5.8	JN		
	UNKNOWN SEMIVOLATILE WITH 14TH HIGHEST CONC.	UNKSV14	ug/L	7.1	JN	14	JN	7.9	JN	4.1	JN	5.9	JN			5.6	JN		
	UNKNOWN SEMIVOLATILE WITH 15TH HIGHEST CONC.	UNKSV15	ug/L			14	JN			4.1	JN	5.6	JN			5.5	JN		
	UNKNOWN SEMIVOLATILE WITH 16TH HIGHEST CONC.	UNKSV16	ug/L			13	JN												
	UNKNOWN SEMIVOLATILE WITH 17TH HIGHEST CONC.	UNKSV17	ug/L																
	UNKNOWN SEMIVOLATILE WITH 18TH HIGHEST CONC.	UNKSV18	ug/L																
	UNKNOWN SEMIVOLATILE WITH 19TH HIGHEST CONC.	UNKSV19	ug/L																
	Vanillin	121-33-5	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		T-20D		T-20S		T-22D		T-22S		T-23D		T-23S		T-24	
				Sample Date	Sample ID	9/27/2013 12:25		9/27/2013 14:15		10/23/2013 12:25		10/1/2013 15:50		10/2/2013 14:40		10/3/2013 16:40		9/18/2013 12:15	
						T-20D (092713)		T-20S (092713)		T-22D (102313)		T-22S (10/01/13)		T-23D (100213)		T-23S (100313)		T-24 (091813)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC	1,2,3-Trimethylbenzene	526-73-8	ug/L																
	1,2-Dichloro-1,1,2-trifluoroethane	354-23-4	ug/L																
	1-Hexanol, 2-ethyl-	104-76-7	ug/L																
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L																
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	ug/L																
	1H-Indene, 2,3-dihydro-5-methyl-	874-35-1	ug/L																
	2,2-Dichloro-1,1,1-trifluoroethane	306-83-2	ug/L																
	2,2-Dichloropropane	594-20-7	ug/L																
	2,4-Dithiapentane	1618-26-4	ug/L																
	2-Ethyltoluene	611-14-3	ug/L																
	2-Heptanone	110-43-0	ug/L																
	2-Isopropyltoluene	527-84-4	ug/L																
	2-Methylthiophene	554-14-3	ug/L																
	2-Pentanone	107-87-9	ug/L																
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L																
	3-Buten-2-one, 3-methyl-	814-78-8	ug/L																
	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L																
	3-Pentanone, 2,4-dimethyl-	565-80-0	ug/L																
	4-Heptanone	123-19-3	ug/L																
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	ug/L																
	Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	ug/L																
	Benzene, 1-methyl-3-propyl-	1074-43-7	ug/L																
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	ug/L																
	Butane, 2,2-dimethyl-	75-83-2	ug/L																
	Butane, 2,3-dimethyl-	79-29-8	ug/L																
	Butane, 2-methyl-	78-78-4	ug/L																
	Cyclohexane, 1,3-dimethyl-, cis-	638-04-0	ug/L																
	Cyclohexene	110-83-8	ug/L																
	Cyclopentane, methyl-	96-37-7	ug/L																
	Dichlorofluoromethane	75-43-4	ug/L																
	Dimethyl sulfide	75-18-3	ug/L																
	Disiloxane, hexamethyl-	107-46-0	ug/L																
	Epichlorohydrin	106-89-8	ug/L																
	Ethane, 1-chloro-1-fluoro-	1615-75-4	ug/L																
	Ethene, 1-chloro-1-fluoro-	2317-91-1	ug/L																
	Ethene, chlorotrifluoro-	79-38-9	ug/L																
	Ethyl tert-butyl ether	637-92-3	ug/L																
	Hexachlorobutadiene	87-68-3	ug/L																
	Hexane, 2-methyl-	591-76-4	ug/L																
	Hexane, 3-methyl-	589-34-4	ug/L																
	Hexanoic acid, hexyl ester	6378-65-0	ug/L																
	Hexanoic acid, pentyl ester	540-07-8	ug/L																
	Hydroperoxide, 1-methylethy	3031-75-2	ug/L																
	Indane	496-11-7	ug/L																
	Indene	95-13-6	ug/L																
	Isopropyl alcohol	67-63-0	ug/L																
	Isopropyl ether	108-20-3	ug/L																
	Methanethiol	74-93-1	ug/L																
	Naphthalene, 1,3-dimethyl-	575-41-7	ug/L																
	Naphthalene, 1,4,6-trimethyl-	2131-42-2	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		T-20D		T-20S		T-22D		T-22S		T-23D		T-23S		T-24	
				Sample ID	Sample Date	9/27/2013 12:25		9/27/2013 14:15		10/23/2013 12:25		10/1/2013 15:50		10/2/2013 14:40		10/3/2013 16:40		9/18/2013 12:15	
						T-20D (092713)	T-20S (092713)	T-20S (092713)	T-20S (092713)	T-22D (102313)	T-22S (10/01/13)	T-22S (10/01/13)	T-22S (10/01/13)	T-23D (100213)	T-23S (100313)	T-23S (100313)	T-23S (100313)	T-24 (091813)	T-24 (091813)
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC (Cont.)	Naphthalene, 1,6,7-trimethyl-	2245-38-7	ug/L																
	Naphthalene, 1-ethyl-	1127-76-0	ug/L																
	Naphthalene, 2,3,6-trimethyl-	829-26-5	ug/L																
	Naphthalene, 2,6-dimethyl-	581-42-0	ug/L																
	Pentane, 2-methyl-	107-83-5	ug/L																
	Propanal, 2-methyl-	78-84-2	ug/L																
	Propene	115-07-1	ug/L					5.1	JN					11	JN				
	Propionitrile	107-12-0	ug/L																
	Silane, fluorotrimethyl-	420-56-4	ug/L	17	JN	42	JN					R							
	Silane, methoxytrimethyl-	1825-61-2	ug/L																
	Silanol, trimethyl-	1066-40-6	ug/L	460	JN	770	JN							99	JN				
	tert-Butyldimethylsilano	18173-64-3	ug/L																
	Trans-2-butene	624-64-6	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	ug/L							60	JN		R	2.9	JN	110	JN	3.6	JN
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	ug/L																
SVOCs Method SW8270C/D TIC	[1,1'-Bicyclohexyl]-2-one	90-42-6	ug/L																
	1,2,3-Trimethylbenzene	526-73-8	ug/L																
	1,2,4,5-Tetramethylbenzene	95-93-2	ug/L																
	1,2,4-Trimethylbenzene	95-63-6	ug/L																
	1,2-Dichloroethene (total)	540-59-0	ug/L																
	1,2-Diphenylhydrazine	122-66-7	ug/L																
	1,3,5-Cycloheptatriene	544-25-2	ug/L																
	1,3,5-Triazine-2,4,6-(1H,3H,5H)-trione, 1,3,5-tri-2-propen-1-yl	1025-15-6	ug/L																
	1,3,5-Trimethylbenzene	108-67-8	ug/L																
	1,3,5-Trithiane	291-21-4	ug/L																
	1,4-Dioxane	123-91-1	ug/L																
	17-Pentatriacontene	6971-40-0	ug/L																
	1-Decene	872-05-9	ug/L																
	1-Docosene	1599-67-3	ug/L																
	1H,3H-Naphtho[1,8-cd]pyran-1-one	518-86-5	ug/L																
	1H-Benzotriazole, 5-methyl-	136-85-6	ug/L																
	1-Hepten-3-yne	2384-73-8	ug/L																
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L																
	1-Penten-3-ol, 3-ethyl-2-methyl-	28832-46-4	ug/L																
	2,4-Dithiapentane	1618-26-4	ug/L																
	2-Butanol, 3-methyl-, (S)-	1517-66-4	ug/L																
	2-Cyclohexen-1-one	930-68-7	ug/L																
	2-Cyclopenten-1-one, 2,3-dimethyl-	1121-05-7	ug/L																
	2-Ethyltoluene	611-14-3	ug/L																
	2-Pentanol, 2-methyl-	590-36-3	ug/L																
	2-Pentanol, 4-methyl-	108-11-2	ug/L																
	2-Propanol, 1-[1-methyl-2-(2-propenyloxy)ethoxy]	55956-25-7	ug/L																
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		T-20D		T-20S		T-22D		T-22S		T-23D		T-23S		T-24	
				Sample Date	Sample ID	9/27/2013 12:25		9/27/2013 14:15		10/23/2013 12:25		10/1/2013 15:50		10/2/2013 14:40		10/3/2013 16:40		9/18/2013 12:15	
						T-20D (092713)	T-20S (092713)	T-20S (092713)	T-20S (092713)	T-22D (102313)	T-22S (100113)	T-22S (100113)	T-22S (100113)	T-23D (100213)	T-23S (100313)	T-23S (100313)	T-23S (100313)	T-24 (091813)	T-24 (091813)
SVOCs	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L																
Method	3-Hexenedinitrile	1119-85-3	ug/L																
SW8270C/D	4,4'-Diaminobenzophenone	611-98-3	ug/L																
TIC (Cont.)	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	ug/L																
	4-Methyl-2-pentanone	108-10-1	ug/L																
	4-Methylphenol	106-44-5	ug/L																
	4-Nitrosophenyl-.beta.-phenylpropionate	1000129-40-0	ug/L																
	4-Piperidinone, 2,2,6,6-tetramethyl-	826-36-8	ug/L																
	5-Nitro-o-toluidine	99-55-8	ug/L																
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	ug/L																
	9-Octadecenamide, (Z)-	301-02-0	ug/L																
	Acetic acid	64-19-7	ug/L																
	Acetic acid, (trimethylsilyl)-	2345-38-2	ug/L																
	Acetic acid, 1,1-dimethylethyl ester	540-88-5	ug/L															5.7	JN
	Acetic acid, phenoxy-	122-59-8	ug/L																
	Alpha-Terpineol	98-55-5	ug/L																
	Azobenzene	103-33-3	ug/L																
	Benzenamine, 4,4'-methylenebis-	101-77-9	ug/L																
	Benzenamine, 4-chloro-N,N-dimethyl-	698-69-1	ug/L																
	Benzenamine, N,N-dimethyl-4-nitro-	100-23-2	ug/L																
	Benzene	71-43-2	ug/L																
	Benzene, [1-(2,4-Cyclopentadiene-1-ylidene)ethyl]	2320-32-3	ug/L																
	Benzene, 1,4-diethyl-	105-05-5	ug/L																
	Benzene, 1-methyl-2-(phenylmethyl)	713-36-0	ug/L																
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	ug/L																
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	ug/L																
	Benzeneacetic acid	103-82-2	ug/L																
	Benzenemethanol, .alpha.,.alpha.-dimethyl	617-94-7	ug/L																
	Benzenepropanoic acid	501-52-0	ug/L																
	Benzenesulfonic acid, 4-hydroxy-	98-67-9	ug/L																
	Benzoic acid	65-85-0	ug/L																
	Benzoic acid, 3-methyl-	99-04-7	ug/L																
	Benzoic acid, 4-(dimethylamino)-	619-84-1	ug/L																
	Benzoic acid, 4-(methylamino)-	10541-83-0	ug/L																
	Benzoic acid, 4-(phenylmethyl)-	620-86-0	ug/L																
	Benzoic acid, 4-methyl-	99-94-5	ug/L																
	Benzothiazole	95-16-9	ug/L																
	Benzylmalonic acid	616-75-1	ug/L																
	Bicyclo[2.2.1]hept-2-ene, 5-ethyl-	15403-89-1	ug/L																
	Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1S,4S)	464-48-2	ug/L																
	Butane, 2-methoxy-	6795-87-5	ug/L																
	Butanoic acid	107-92-6	ug/L																
	Butyl Stearate	123-95-5	ug/L																
	Carbonic acid, dimethyl ester	616-38-6	ug/L																
	Chloroform	67-66-3	ug/L																
	Crotonic acid	3724-65-0	ug/L																
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	ug/L																
	Cyclohexane	110-82-7	ug/L			84	JN	100	JN	69	JN	20	JN	26	JN	46	JN	78	JN
	Cyclohexanone	108-94-1	ug/L																
	Cyclohexene, 1-methyl-4-(1-methylethenyl)	5989-54-8	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		T-20D		T-20S		T-22D		T-22S		T-23D		T-23S		T-24	
				Sample Date		9/27/2013 12:25		9/27/2013 14:15		10/23/2013 12:25		10/1/2013 15:50		10/2/2013 14:40		10/3/2013 16:40		9/18/2013 12:15	
				Sample ID		T-20D (092713)		T-20S (092713)		T-22D (102313)		T-22S (10/01/13)		T-23D (100213)		T-23S (100313)		T-24 (091813)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Cyclopentasiloxane, decamethyl-	541-02-6	ug/L																
	Cyclopropane, 1,2-dimethyl-, cis-	930-18-7	ug/L																
	Cyclotetrasiloxane, octamethyl-	556-67-2	ug/L																
	Cyclotrisiloxane, hexamethyl-	541-05-9	ug/L																
	Decane, 2-methyl-	6975-98-0	ug/L																
	Decane, 4-methyl-	2847-72-5	ug/L																
	Dehydroabietic acid	1740-19-8	ug/L																
	Dibutyl ether	142-96-1	ug/L																
	Dicyclohexylamine	101-83-7	ug/L																
	Disiloxane, hexamethyl-	107-46-0	ug/L																
	Dodecanoic acid	143-07-7	ug/L																
	Erucylamide	112-84-5	ug/L																
	Ethanedione, diphenyl-, dioxime	23873-81-6	ug/L							69	JN								
	Ethanol, 2-butoxy-	111-76-2	ug/L																
	Ethylbenzene	100-41-4	ug/L																
	Formamide, N-methyl-N-phenyl-	93-61-8	ug/L																
	Formylmethylenetriphenylphosphorane	28900-91-6	ug/L																
	Heptadecanoic acid	506-12-7	ug/L																
	Hexadecanoic acid, butyl ester	111-06-8	ug/L																
	Hexanoic acid, 2-ethyl-	149-57-5	ug/L																
	Indane	496-11-7	ug/L																
	Isopropylbenzene	98-82-8	ug/L																
	Methanone, (4-aminophenyl)phenyl-	1137-41-3	ug/L																
	Methylene Chloride	75-09-2	ug/L																
	m-Xylene	108-38-3	ug/L															29	JN
	n-Decane	124-18-5	ug/L																
	n-Decanoic acid	334-48-5	ug/L																
	n-Dodecane	112-40-3	ug/L																
	n-Hexadecanoic acid	57-10-3	ug/L	6	JN	4.1	JN							9.5	JN				
	N-Nitrosodimethylamine	62-75-9	ug/L																
	Nonane, 2,6-dimethyl-	17302-28-2	ug/L																
	Nonane, 3,7-dimethyl-	17302-32-8	ug/L																
	N-Propylbenzene	103-65-1	ug/L																
	Octadecanoic acid	57-11-4	ug/L	11	JN	7.4	JN							11	JN	17	JN	10	JN
	Octanoic Acid	124-07-2	ug/L																
	o-Toluidine	95-53-4	ug/L																
	o-Xylene	95-47-6	ug/L																
	Pentane, 2,2'-oxybis-	56762-00-6	ug/L																
	Pentatriacontane	630-07-9	ug/L																
	Phenol, 2-(1,1-dimethylethyl)-	88-18-6	ug/L																
	Phenol, 2-(phenylmethyl)-	28994-41-4	ug/L																
	Phenol, 4-(1,1-dimethylpropyl)-	80-46-6	ug/L																
	Phenol, 4-(phenylmethyl)-	101-53-1	ug/L																
	Phenol, 4,4'-(1-methylethylidene)bis-	80-05-7	ug/L																
	Phenol, 4-chloro-2-(phenylmethyl)-	120-32-1	ug/L																
	Phthalic anhydride	85-44-9	ug/L																
	Podocarpa-8,11,13-trien-15-oic acid, 13-	1000164-00-3	ug/L																
	Propanoic acid, 2-phenoxy-	940-31-8	ug/L																
	p-Xylene	106-42-3	ug/L							6.2	JN								
	Pyridine, 2,4-dimethyl-	108-47-4	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		T-20D		T-20S		T-22D		T-22S		T-23D		T-23S		T-24	
				Sample Date	Sample ID	9/27/2013 12:25		9/27/2013 14:15		10/23/2013 12:25		10/1/2013 15:50		10/2/2013 14:40		10/3/2013 16:40		9/18/2013 12:15	
						T-20D (092713)	T-20S (092713)	T-20S (092713)	T-20S (092713)	T-22D (102313)	T-22S (10/01/13)	T-22S (10/01/13)	T-22S (10/01/13)	T-23D (100213)	T-23S (100313)	T-23S (100313)	T-23S (100313)	T-24 (091813)	T-24 (091813)
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Silane, butoxytrimethyl-	1825-65-6	ug/L																
	Silane, methylenebis(methyl-	5/7/5654	ug/L																
	Silane, trimethyl(1-methylbutoxy)-	1825-67-8	ug/L																
	Silane, trimethylphenoxy-	1529-17-5	ug/L																
	Tetradecanoic acid	544-63-8	ug/L																
	Toluene	108-88-3	ug/L																
	Triacetin	102-76-1	ug/L																
	Tributyl phosphate	126-73-8	ug/L																
	Trichloroethene	79-01-6	ug/L																
	Tridecanoic acid	638-53-9	ug/L																
	Triphenylphosphine oxide	791-28-6	ug/L																
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	ug/L	870	JN	830	JN	400	JN	1,100	JN	1,600	JN	1,900	JN	580	JN		
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	ug/L	65	JN	55	JN	170	JN	33	JN	50	JN	52	JN	45	JN		
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	ug/L	54	JN	45	JN	92	JN	29	JN	48	JN	47	JN	43	JN		
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	ug/L	48	JN	39	JN	64	JN	19	JN	41	JN	47	JN	40	JN		
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	ug/L	42	JN	26	JN	59	JN	17	JN	35	JN	38	JN	21	JN		
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	ug/L	28	JN	21	JN	57	JN	17	JN	30	JN	37	JN	21	JN		
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	ug/L	28	JN	19	JN	53	JN	14	JN	20	JN	35	JN	20	JN		
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	ug/L	24	JN	17	JN	35	JN	14	JN	14	JN	31	JN	19	JN		
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	ug/L	22	JN	16	JN	18	JN	11	JN	11	JN	20	JN	16	JN		
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	ug/L	15	JN	16	JN	15	JN	10	JN	11	JN	19	JN	16	JN		
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	ug/L	14	JN	12	JN	13	JN	8.9	JN	8.2	JN	18	JN	10	JN		
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	ug/L	8.7	JN	12	JN	13	JN	7.7	JN	6	JN	17	JN	8.8	JN		
	UNKNOWN SEMIVOLATILE WITH 13TH HIGHEST CONC.	UNKSV13	ug/L	7.8	JN	11	JN	12	JN	6.6	JN	5.3	JN	16	JN	7.5	JN		
	UNKNOWN SEMIVOLATILE WITH 14TH HIGHEST CONC.	UNKSV14	ug/L	5.9	JN	8.3	JN	11	JN	6.4	JN	5	JN	12	JN	6.8	JN		
	UNKNOWN SEMIVOLATILE WITH 15TH HIGHEST CONC.	UNKSV15	ug/L	5.6	JN	7.7	JN	8.6	JN	4.5	JN	4.5	JN	11	JN	6.4	JN		
	UNKNOWN SEMIVOLATILE WITH 16TH HIGHEST CONC.	UNKSV16	ug/L	5.3	JN	6.9	JN	6.3	JN	4.5	JN	4.5	JN	6.9	JN	5.6	JN		
	UNKNOWN SEMIVOLATILE WITH 17TH HIGHEST CONC.	UNKSV17	ug/L	4.8	JN	2.9	JN	6.2	JN	4	JN			6.4	JN				
	UNKNOWN SEMIVOLATILE WITH 18TH HIGHEST CONC.	UNKSV18	ug/L							3.8	JN								
	UNKNOWN SEMIVOLATILE WITH 19TH HIGHEST CONC.	UNKSV19	ug/L							3	JN								
	Vanillin	121-33-5	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		T-25		T-26		T-27		T-28		T-29		T-30		T-31	
				Sample Date		9/18/2013 9:50		9/4/2013 10:30		9/6/2013 15:45		9/18/2013 15:40		9/9/2013 12:50		9/16/2013 16:10		9/17/2013 16:40	
				Sample ID		T-25 (091813)		T-26 (090413)		T-27 (090613)		T-28 (091813)		T-29 (090913)		T-30 (091613)		T-31 (091713)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC	1,2,3-Trimethylbenzene	526-73-8	ug/L									19	J						
	1,2-Dichloro-1,1,2-trifluoroethane	354-23-4	ug/L							5	JN								
	1-Hexanol, 2-ethyl-	104-76-7	ug/L																
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L																
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	ug/L																
	1H-Indene, 2,3-dihydro-5-methyl-	874-35-1	ug/L																
	2,2-Dichloro-1,1,1-trifluoroethane	306-83-2	ug/L																
	2,2-Dichloropropane	594-20-7	ug/L																
	2,4-Dithiapentane	1618-26-4	ug/L																
	2-Ethyltoluene	611-14-3	ug/L									23	JN						
	2-Heptanone	110-43-0	ug/L																
	2-Isopropyltoluene	527-84-4	ug/L																
	2-Methylthiophene	554-14-3	ug/L																
	2-Pentanone	107-87-9	ug/L																
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L											580	JN				
	3-Buten-2-one, 3-methyl-	814-78-8	ug/L																
	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L											73	JN				
	3-Pentanone, 2,4-dimethyl-	565-80-0	ug/L																
	4-Heptanone	123-19-3	ug/L																
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	ug/L																
	Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	ug/L																
	Benzene, 1-methyl-3-propyl-	1074-43-7	ug/L									16	JN						
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	ug/L									15	JN						
	Butane, 2,2-dimethyl-	75-83-2	ug/L																
	Butane, 2,3-dimethyl-	79-29-8	ug/L																
	Butane, 2-methyl-	78-78-4	ug/L																
	Cyclohexane, 1,3-dimethyl-, cis-	638-04-0	ug/L									14	JN						
	Cyclohexene	110-83-8	ug/L																
	Cyclopentane, methyl-	96-37-7	ug/L																
	Dichlorofluoromethane	75-43-4	ug/L	8.3	J														
	Dimethyl sulfide	75-18-3	ug/L																
	Disiloxane, hexamethyl-	107-46-0	ug/L																
	Epichlorohydrin	106-89-8	ug/L											4,700	J				
	Ethane, 1-chloro-1-fluoro-	1615-75-4	ug/L																
	Ethene, 1-chloro-1-fluoro-	2317-91-1	ug/L																
	Ethene, chlorotrifluoro-	79-38-9	ug/L																
	Ethyl tert-butyl ether	637-92-3	ug/L																
	Hexachlorobutadiene	87-68-3	ug/L																
	Hexane, 2-methyl-	591-76-4	ug/L											270	JN				
	Hexane, 3-methyl-	589-34-4	ug/L									26	JN	420	JN				
	Hexanoic acid, hexyl ester	6378-65-0	ug/L																
	Hexanoic acid, pentyl ester	540-07-8	ug/L																
	Hydroperoxide, 1-methylethy	3031-75-2	ug/L																
	Indane	496-11-7	ug/L																
	Indene	95-13-6	ug/L																
	Isopropyl alcohol	67-63-0	ug/L									110	J	3,900	J				
	Isopropyl ether	108-20-3	ug/L			2.2	J												
	Methanethiol	74-93-1	ug/L																
	Naphthalene, 1,3-dimethyl-	575-41-7	ug/L																
	Naphthalene, 1,4,6-trimethyl-	2131-42-2	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		T-25		T-26		T-27		T-28		T-29		T-30		T-31	
				Sample ID	Sample Date	9/18/2013 9:50		9/4/2013 10:30		9/6/2013 15:45		9/18/2013 15:40		9/9/2013 12:50		9/16/2013 16:10		9/17/2013 16:40	
						T-25 (091813)	T-25 (091813)	T-26 (090413)	T-26 (090413)	T-27 (090613)	T-27 (090613)	T-28 (091813)	T-28 (091813)	T-29 (090913)	T-29 (090913)	T-30 (091613)	T-30 (091613)	T-31 (091713)	T-31 (091713)
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC (Cont.)	Naphthalene, 1,6,7-trimethyl-	2245-38-7	ug/L																
	Naphthalene, 1-ethyl-	1127-76-0	ug/L																
	Naphthalene, 2,3,6-trimethyl-	829-26-5	ug/L																
	Naphthalene, 2,6-dimethyl-	581-42-0	ug/L																
	Pentane, 2-methyl-	107-83-5	ug/L																
	Propanal, 2-methyl-	78-84-2	ug/L																
	Propene	115-07-1	ug/L																
	Propionitrile	107-12-0	ug/L																
	Silane, fluorotrimethyl-	420-56-4	ug/L				R		37	JN									
	Silane, methoxytrimethyl-	1825-61-2	ug/L						7	JN									
	Silanol, trimethyl-	1066-40-6	ug/L						1,300	JN								3.3	JN
	tert-Butyldimethylsilano	18173-64-3	ug/L																
	Trans-2-butene	624-64-6	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	ug/L	23	JN		R	23	JN	20	JN	560	JN	3.5	JN				
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	ug/L	11	JN			15	JN	19	JN	120	JN						
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	ug/L							16	JN	110	JN						
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	ug/L																
SVOCs Method SW8270C/D TIC	[1,1'-Bicyclohexyl]-2-one	90-42-6	ug/L																
	1,2,3-Trimethylbenzene	526-73-8	ug/L																
	1,2,4,5-Tetramethylbenzene	95-93-2	ug/L																
	1,2,4-Trimethylbenzene	95-63-6	ug/L									15	JN						
	1,2-Dichloroethene (total)	540-59-0	ug/L																
	1,2-Diphenylhydrazine	122-66-7	ug/L																
	1,3,5-Cycloheptatriene	544-25-2	ug/L																
	1,3,5-Triazine-2,4,6-(1H,3H,5H)-trione, 1,3,5-tri-2-propen-1-yl	1025-15-6	ug/L																
	1,3,5-Trimethylbenzene	108-67-8	ug/L																
	1,3,5-Trithiane	291-21-4	ug/L																
	1,4-Dioxane	123-91-1	ug/L																
	17-Pentatriacontene	6971-40-0	ug/L			240	JN												
	1-Decene	872-05-9	ug/L																
	1-Docosene	1599-67-3	ug/L			140	JN												
	1H,3H-Naphtho[1,8-cd]pyran-1-one	518-86-5	ug/L																
	1H-Benzotriazole, 5-methyl-	136-85-6	ug/L																
	1-Hepten-3-yne	2384-73-8	ug/L																
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L																
	1-Penten-3-ol, 3-ethyl-2-methyl-	28832-46-4	ug/L																
	2,4-Dithiapentane	1618-26-4	ug/L																
	2-Butanol, 3-methyl-, (S)-	1517-66-4	ug/L											38	JN				
	2-Cyclohexen-1-one	930-68-7	ug/L																
	2-Cyclopenten-1-one, 2,3-dimethyl-	1121-05-7	ug/L																
	2-Ethyltoluene	611-14-3	ug/L																
	2-Pentanol, 2-methyl-	590-36-3	ug/L																
	2-Pentanol, 4-methyl-	108-11-2	ug/L																
	2-Propanol, 1-[1-methyl-2-(2-propenyloxy)ethoxy]	55956-25-7	ug/L																
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L											160	JN				

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		T-25		T-26		T-27		T-28		T-29		T-30		T-31	
				Sample Date		9/18/2013 9:50		9/4/2013 10:30		9/6/2013 15:45		9/18/2013 15:40		9/9/2013 12:50		9/16/2013 16:10		9/17/2013 16:40	
				Sample ID		T-25 (091813)		T-26 (090413)		T-27 (090613)		T-28 (091813)		T-29 (090913)		T-30 (091613)		T-31 (091713)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L											25	JN				
	3-Hexenedinitrile	1119-85-3	ug/L																
	4,4'-Diaminobenzophenone	611-98-3	ug/L																
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	ug/L									30	JN						
	4-Methyl-2-pentanone	108-10-1	ug/L									40	JN						
	4-Methylphenol	106-44-5	ug/L																
	4-Nitrosophenyl-.beta.-phenylpropionate	1000129-40-0	ug/L																
	4-Piperidinone, 2,2,6,6-tetramethyl-	826-36-8	ug/L																
	5-Nitro-o-toluidine	99-55-8	ug/L											200	EJ				
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	ug/L																
	9-Octadecenamide, (Z)-	301-02-0	ug/L																
	Acetic acid	64-19-7	ug/L																
	Acetic acid, (trimethylsilyl)-	2345-38-2	ug/L																
	Acetic acid, 1,1-dimethylethyl ester	540-88-5	ug/L																
	Acetic acid, phenoxy-	122-59-8	ug/L																
	Alpha-Terpineol	98-55-5	ug/L																
	Azobenzene	103-33-3	ug/L																
	Benzenamine, 4,4'-methylenebis-	101-77-9	ug/L																
	Benzenamine, 4-chloro-N,N-dimethyl-	698-69-1	ug/L																
	Benzenamine, N,N-dimethyl-4-nitro-	100-23-2	ug/L																
	Benzene	71-43-2	ug/L			39	JN												
	Benzene, [1-(2,4-Cyclopentadiene-1-ylidene)ethyl]	2320-32-3	ug/L																
	Benzene, 1,4-diethyl-	105-05-5	ug/L																
	Benzene, 1-methyl-2-(phenylmethyl)	713-36-0	ug/L																
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	ug/L																
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	ug/L																
	Benzenecetic acid	103-82-2	ug/L																
	Benzenemethanol, .alpha.,.alpha.-dimethyl	617-94-7	ug/L																
	Benzenepropanoic acid	501-52-0	ug/L																
	Benzenesulfonic acid, 4-hydroxy-	98-67-9	ug/L																
	Benzoic acid	65-85-0	ug/L																
	Benzoic acid, 3-methyl-	99-04-7	ug/L																
	Benzoic acid, 4-(dimethylamino)-	619-84-1	ug/L											25	JN				
	Benzoic acid, 4-(methylamino)-	10541-83-0	ug/L																
	Benzoic acid, 4-(phenylmethyl)-	620-86-0	ug/L																
	Benzoic acid, 4-methyl-	99-94-5	ug/L																
	Benzothiazole	95-16-9	ug/L																
	Benzylmalonic acid	616-75-1	ug/L																
	Bicyclo[2.2.1]hept-2-ene, 5-ethyl-	15403-89-1	ug/L																
	Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1S,4S)	464-48-2	ug/L																
	Butane, 2-methoxy-	6795-87-5	ug/L																
	Butanoic acid	107-92-6	ug/L																
	Butyl Stearate	123-95-5	ug/L																
	Carbonic acid, dimethyl ester	616-38-6	ug/L	7.9	JN														
	Chloroform	67-66-3	ug/L																
	Crotonic acid	3724-65-0	ug/L																
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	ug/L																
	Cyclohexane	110-82-7	ug/L	47	JN	22	JN	130	JN	70	JN					65	JN	84	JN
	Cyclohexanone	108-94-1	ug/L																
	Cyclohexene, 1-methyl-4-(1-methylethenyl)	5989-54-8	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		T-25		T-26		T-27		T-28		T-29		T-30		T-31	
				Sample Date		9/18/2013 9:50		9/4/2013 10:30		9/6/2013 15:45		9/18/2013 15:40		9/9/2013 12:50		9/16/2013 16:10		9/17/2013 16:40	
				Sample ID		T-25 (091813)		T-26 (090413)		T-27 (090613)		T-28 (091813)		T-29 (090913)		T-30 (091613)		T-31 (091713)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Cyclopentasiloxane, decamethyl-	541-02-6	ug/L															6.9	JN
	Cyclopropane, 1,2-dimethyl-, cis-	930-18-7	ug/L																
	Cyclotetrasiloxane, octamethyl-	556-67-2	ug/L																
	Cyclotrisiloxane, hexamethyl-	541-05-9	ug/L																
	Decane, 2-methyl-	6975-98-0	ug/L																
	Decane, 4-methyl-	2847-72-5	ug/L																
	Dehydroabietic acid	1740-19-8	ug/L											43	JN				
	Dibutyl ether	142-96-1	ug/L																
	Dicyclohexylamine	101-83-7	ug/L																
	Disiloxane, hexamethyl-	107-46-0	ug/L																
	Dodecanoic acid	143-07-7	ug/L	14	JN														
	Erucylamide	112-84-5	ug/L																
	Ethanedione, diphenyl-, dioxime	23873-81-6	ug/L											52	JN				
	Ethanol, 2-butoxy-	111-76-2	ug/L																
	Ethylbenzene	100-41-4	ug/L												R				
	Formamide, N-methyl-N-phenyl-	93-61-8	ug/L																
	Formylmethylenetriphenylphosphorane	28900-91-6	ug/L																
	Heptadecanoic acid	506-12-7	ug/L																
	Hexadecanoic acid, butyl ester	111-06-8	ug/L																
	Hexanoic acid, 2-ethyl-	149-57-5	ug/L																
	Indane	496-11-7	ug/L																
	Isopropylbenzene	98-82-8	ug/L																
	Methanone, (4-aminophenyl)phenyl-	1137-41-3	ug/L																
	Methylene Chloride	75-09-2	ug/L																
	m-Xylene	108-38-3	ug/L																
	n-Decane	124-18-5	ug/L																
	n-Decanoic acid	334-48-5	ug/L																
	n-Dodecane	112-40-3	ug/L																
	n-Hexadecanoic acid	57-10-3	ug/L	14	JN	63	JN									6.1	JN		
	N-Nitrosodimethylamine	62-75-9	ug/L																
	Nonane, 2,6-dimethyl-	17302-28-2	ug/L																
	Nonane, 3,7-dimethyl-	17302-32-8	ug/L																
	N-Propylbenzene	103-65-1	ug/L																
	Octadecanoic acid	57-11-4	ug/L	25	JN	120	JN									7.4	JN	7	JN
	Octanoic Acid	124-07-2	ug/L	8.6	JN											5.7	JN		
	o-Toluidine	95-53-4	ug/L											450	EJ				
	o-Xylene	95-47-6	ug/L																
	Pentane, 2,2'-oxybis-	56762-00-6	ug/L																
	Pentatriacontane	630-07-9	ug/L																
	Phenol, 2-(1,1-dimethylethyl)-	88-18-6	ug/L																
	Phenol, 2-(phenylmethyl)-	28994-41-4	ug/L									31	JN						
	Phenol, 4-(1,1-dimethylpropyl)-	80-46-6	ug/L																
	Phenol, 4-(phenylmethyl)-	101-53-1	ug/L									50	JN						
	Phenol, 4,4'-(1-methylethylidene)bis-	80-05-7	ug/L																
	Phenol, 4-chloro-2-(phenylmethyl)-	120-32-1	ug/L																
	Phthalic anhydride	85-44-9	ug/L																
	Podocarpa-8,11,13-trien-15-oic acid, 13-	1000164-00-3	ug/L																
	Propanoic acid, 2-phenoxy-	940-31-8	ug/L																
	p-Xylene	106-42-3	ug/L	59	JN										R				
	Pyridine, 2,4-dimethyl-	108-47-4	ug/L											36	JN				

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Location Sample Date Sample ID				T-25		T-26		T-27		T-28		T-29		T-30		T-31	
				9/18/2013 9:50		9/4/2013 10:30		9/6/2013 15:45		9/18/2013 15:40		9/9/2013 12:50		9/16/2013 16:10		9/17/2013 16:40	
				T-25 (091813)		T-26 (090413)		T-27 (090613)		T-28 (091813)		T-29 (090913)		T-30 (091613)		T-31 (091713)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Silane, butoxytrimethyl-	1825-65-6	ug/L														
	Silane, methylenebis(methyl-	5/7/5654	ug/L														
	Silane, trimethyl(1-methylbutoxy)-	1825-67-8	ug/L														
	Silane, trimethylphenoxy-	1529-17-5	ug/L														
	Tetradecanoic acid	544-63-8	ug/L														
	Toluene	108-88-3	ug/L										R				
	Triacetin	102-76-1	ug/L														
	Tributyl phosphate	126-73-8	ug/L														
	Trichloroethene	79-01-6	ug/L														
	Tridecanoic acid	638-53-9	ug/L														
	Triphenylphosphine oxide	791-28-6	ug/L														
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	ug/L	1,100	JN	370	JN	620	JN	450	JN	210	JN	660	JN	660	JN
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	ug/L	200	JN	200	JN	47	JN	61	JN	71	JN	73	JN	67	JN
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	ug/L	110	JN	96	JN	45	JN	52	JN	48	JN	29	JN	58	JN
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	ug/L	86	JN	88	JN	42	JN	33	JN	34	JN	27	JN	50	JN
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	ug/L	70	JN	80	JN	41	JN	28	JN	33	JN	26	JN	44	JN
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	ug/L	57	JN	51	JN	35	JN	25	JN	31	JN	23	JN	38	JN
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	ug/L	47	JN	46	JN	30	JN	20	JN	24	JN	22	JN	34	JN
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	ug/L	28	JN	45	JN			19	JN	21	JN	18	JN	31	JN
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	ug/L	20	JN	37	JN			15	JN			14	JN	29	JN
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	ug/L	14	JN	27	JN			14	JN			14	JN	28	JN
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	ug/L	13	JN	21	JN			14	JN			12	JN	22	JN
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	ug/L	12	JN	20	JN			14	JN			11	JN	19	JN
	UNKNOWN SEMIVOLATILE WITH 13TH HIGHEST CONC.	UNKSV13	ug/L	10	JN	18	JN			12	JN			11	JN	15	JN
	UNKNOWN SEMIVOLATILE WITH 14TH HIGHEST CONC.	UNKSV14	ug/L			17	JN							8.3	JN	14	JN
	UNKNOWN SEMIVOLATILE WITH 15TH HIGHEST CONC.	UNKSV15	ug/L											7.8	JN	10	JN
	UNKNOWN SEMIVOLATILE WITH 16TH HIGHEST CONC.	UNKSV16	ug/L											4.8	JN	10	JN
	UNKNOWN SEMIVOLATILE WITH 17TH HIGHEST CONC.	UNKSV17	ug/L													8.5	JN
	UNKNOWN SEMIVOLATILE WITH 18TH HIGHEST CONC.	UNKSV18	ug/L														
	UNKNOWN SEMIVOLATILE WITH 19TH HIGHEST CONC.	UNKSV19	ug/L														
	Vanillin	121-33-5	ug/L														

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		T-32		T-33		T-34		T-35		T-36		T-37		T-38	
				Sample Date	Sample ID	9/17/2013 15:10		9/11/2013 16:30		9/10/2013 14:20		9/10/2013 16:10		9/9/2013 14:55		8/29/2013 16:40		8/29/2013 10:40	
						T-32 (091713)		T-33 (9/11/13)		T-34 (091013)		T-35 (091013)		T-36 (090913)		T-37 (082913)		T-38 (082913)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC	1,2,3-Trimethylbenzene	526-73-8	ug/L											6.1	J				
	1,2-Dichloro-1,1,2-trifluoroethane	354-23-4	ug/L																
	1-Hexanol, 2-ethyl-	104-76-7	ug/L																
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L																
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	ug/L																
	1H-Indene, 2,3-dihydro-5-methyl-	874-35-1	ug/L																
	2,2-Dichloro-1,1,1-trifluoroethane	306-83-2	ug/L																
	2,2-Dichloropropane	594-20-7	ug/L																
	2,4-Dithiapentane	1618-26-4	ug/L																
	2-Ethyltoluene	611-14-3	ug/L																
	2-Heptanone	110-43-0	ug/L																
	2-Isopropyltoluene	527-84-4	ug/L																
	2-Methylthiophene	554-14-3	ug/L																
	2-Pentanone	107-87-9	ug/L																
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L																
	3-Buten-2-one, 3-methyl-	814-78-8	ug/L																
	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L																
	3-Pentanone, 2,4-dimethyl-	565-80-0	ug/L																
	4-Heptanone	123-19-3	ug/L																
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	ug/L																
	Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	ug/L																
	Benzene, 1-methyl-3-propyl-	1074-43-7	ug/L																
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	ug/L																
	Butane, 2,2-dimethyl-	75-83-2	ug/L																
	Butane, 2,3-dimethyl-	79-29-8	ug/L																
	Butane, 2-methyl-	78-78-4	ug/L																
	Cyclohexane, 1,3-dimethyl-, cis-	638-04-0	ug/L																
	Cyclohexene	110-83-8	ug/L																
	Cyclopentane, methyl-	96-37-7	ug/L																
	Dichlorofluoromethane	75-43-4	ug/L	0.95	J							0.8	J					2.8	J
	Dimethyl sulfide	75-18-3	ug/L																
	Disiloxane, hexamethyl-	107-46-0	ug/L																
	Epichlorohydrin	106-89-8	ug/L											580	J				
	Ethane, 1-chloro-1-fluoro-	1615-75-4	ug/L																
	Ethene, 1-chloro-1-fluoro-	2317-91-1	ug/L																
	Ethene, chlorotrifluoro-	79-38-9	ug/L																
	Ethyl tert-butyl ether	637-92-3	ug/L																
	Hexachlorobutadiene	87-68-3	ug/L															0.71	J
	Hexane, 2-methyl-	591-76-4	ug/L																
	Hexane, 3-methyl-	589-34-4	ug/L																
	Hexanoic acid, hexyl ester	6378-65-0	ug/L																
	Hexanoic acid, pentyl ester	540-07-8	ug/L																
	Hydroperoxide, 1-methylethy	3031-75-2	ug/L																
	Indane	496-11-7	ug/L																
	Indene	95-13-6	ug/L																
	Isopropyl alcohol	67-63-0	ug/L	25	J									440	J				
	Isopropyl ether	108-20-3	ug/L																
	Methanethiol	74-93-1	ug/L																
	Naphthalene, 1,3-dimethyl-	575-41-7	ug/L																
	Naphthalene, 1,4,6-trimethyl-	2131-42-2	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		T-32		T-33		T-34		T-35		T-36		T-37		T-38	
				Sample Date	Sample ID	9/17/2013 15:10		9/11/2013 16:30		9/10/2013 14:20		9/10/2013 16:10		9/9/2013 14:55		8/29/2013 16:40		8/29/2013 10:40	
						T-32 (091713)		T-33 (9/11/13)		T-34 (091013)		T-35 (091013)		T-36 (090913)		T-37 (082913)		T-38 (082913)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC (Cont.)	Naphthalene, 1,6,7-trimethyl-	2245-38-7	ug/L																
	Naphthalene, 1-ethyl-	1127-76-0	ug/L																
	Naphthalene, 2,3,6-trimethyl-	829-26-5	ug/L																
	Naphthalene, 2,6-dimethyl-	581-42-0	ug/L																
	Pentane, 2-methyl-	107-83-5	ug/L																
	Propanal, 2-methyl-	78-84-2	ug/L																
	Propene	115-07-1	ug/L																
	Propionitrile	107-12-0	ug/L																
	Silane, fluorotrimethyl-	420-56-4	ug/L																
	Silane, methoxytrimethyl-	1825-61-2	ug/L																
	Silanol, trimethyl-	1066-40-6	ug/L											75	JN	19	JN	51	JN
	tert-Butyldimethylsilano	18173-64-3	ug/L																
	Trans-2-butene	624-64-6	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	ug/L	3	JN	13	JN	6.5	JN	4.5	JN	32	JN						
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	ug/L							4.3	JN	27	JN						
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	ug/L									20	JN						
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	ug/L																
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	ug/L																
SVOCs Method SW8270C/D TIC	[1,1'-Bicyclohexyl]-2-one	90-42-6	ug/L																
	1,2,3-Trimethylbenzene	526-73-8	ug/L																
	1,2,4,5-Tetramethylbenzene	95-93-2	ug/L																
	1,2,4-Trimethylbenzene	95-63-6	ug/L																
	1,2-Dichloroethene (total)	540-59-0	ug/L																
	1,2-Diphenylhydrazine	122-66-7	ug/L																
	1,3,5-Cycloheptatriene	544-25-2	ug/L															330	EJ
	1,3,5-Triazine-2,4,6-(1H,3H,5H)-trione, 1,3,5-tri-2-propen-1-yl	1025-15-6	ug/L																
	1,3,5-Trimethylbenzene	108-67-8	ug/L																
	1,3,5-Trithiane	291-21-4	ug/L																
	1,4-Dioxane	123-91-1	ug/L																
	17-Pentatriacontene	6971-40-0	ug/L																
	1-Decene	872-05-9	ug/L																
	1-Docosene	1599-67-3	ug/L																
	1H,3H-Naphtho[1,8-cd]pyran-1-one	518-86-5	ug/L																
	1H-Benzotriazole, 5-methyl-	136-85-6	ug/L																
	1-Hepten-3-yne	2384-73-8	ug/L															900	JN
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L																
	1-Penten-3-ol, 3-ethyl-2-methyl-	28832-46-4	ug/L																
	2,4-Dithiapentane	1618-26-4	ug/L											26	JN				
	2-Butanol, 3-methyl-, (S)-	1517-66-4	ug/L																
	2-Cyclohexen-1-one	930-68-7	ug/L																
	2-Cyclopenten-1-one, 2,3-dimethyl-	1121-05-7	ug/L																
	2-Ethyltoluene	611-14-3	ug/L											56	JN				
	2-Pentanol, 2-methyl-	590-36-3	ug/L																
	2-Pentanol, 4-methyl-	108-11-2	ug/L																
	2-Propanol, 1-[1-methyl-2-(2-propenyloxy)ethoxy]	55956-25-7	ug/L																
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		T-32		T-33		T-34		T-35		T-36		T-37		T-38	
				Sample Date		9/17/2013 15:10		9/11/2013 16:30		9/10/2013 14:20		9/10/2013 16:10		9/9/2013 14:55		8/29/2013 16:40		8/29/2013 10:40	
				Sample ID		T-32 (091713)		T-33 (9/11/13)		T-34 (091013)		T-35 (091013)		T-36 (090913)		T-37 (082913)		T-38 (082913)	
Method	Analyte	CAS	Units			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L																
	3-Hexenedinitrile	1119-85-3	ug/L																
	4,4'-Diaminobenzophenone	611-98-3	ug/L									3.7	JN						
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	ug/L					11	JN										
	4-Methyl-2-pentanone	108-10-1	ug/L												R			24	JN
	4-Methylphenol	106-44-5	ug/L																
	4-Nitrosophenyl-.beta.-phenylpropionate	1000129-40-0	ug/L																
	4-Piperidinone, 2,2,6,6-tetramethyl-	826-36-8	ug/L																
	5-Nitro-o-toluidine	99-55-8	ug/L																
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	ug/L																
	9-Octadecenamide, (Z)-	301-02-0	ug/L																
	Acetic acid	64-19-7	ug/L											28	JN				
	Acetic acid, (trimethylsilyl)-	2345-38-2	ug/L																
	Acetic acid, 1,1-dimethylethyl ester	540-88-5	ug/L																
	Acetic acid, phenoxy-	122-59-8	ug/L																
	Alpha-Terpineol	98-55-5	ug/L																
	Azobenzene	103-33-3	ug/L															420	EJ
	Benzenamine, 4,4'-methylenebis-	101-77-9	ug/L									280	JN						
	Benzenamine, 4-chloro-N,N-dimethyl-	698-69-1	ug/L											71	JN				
	Benzenamine, N,N-dimethyl-4-nitro-	100-23-2	ug/L																
	Benzene	71-43-2	ug/L												R				
	Benzene, [1-(2,4-Cyclopentadiene-1-ylidene)ethyl]	2320-32-3	ug/L																
	Benzene, 1,4-diethyl-	105-05-5	ug/L																
	Benzene, 1-methyl-2-(phenylmethyl)-	713-36-0	ug/L															6.1	JN
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	ug/L																
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	ug/L																
	Benzeneacetic acid	103-82-2	ug/L					6.5	JN					25	JN				
	Benzenemethanol, .alpha.,.alpha.-dimethyl	617-94-7	ug/L																
	Benzenepropanoic acid	501-52-0	ug/L											22	JN				
	Benzenesulfonic acid, 4-hydroxy-	98-67-9	ug/L																
	Benzoic acid	65-85-0	ug/L																
	Benzoic acid, 3-methyl-	99-04-7	ug/L																
	Benzoic acid, 4-(dimethylamino)-	619-84-1	ug/L																
	Benzoic acid, 4-(methylamino)-	10541-83-0	ug/L											170	JN				
	Benzoic acid, 4-(phenylmethyl)-	620-86-0	ug/L															43	JN
	Benzoic acid, 4-methyl-	99-94-5	ug/L																
	Benzothiazole	95-16-9	ug/L																
	Benzylmalonic acid	616-75-1	ug/L																
	Bicyclo[2.2.1]hept-2-ene, 5-ethyl-	15403-89-1	ug/L															6	JN
	Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1S,4S)	464-48-2	ug/L																
	Butane, 2-methoxy-	6795-87-5	ug/L																
	Butanoic acid	107-92-6	ug/L																
	Butyl Stearate	123-95-5	ug/L																
	Carbonic acid, dimethyl ester	616-38-6	ug/L																
	Chloroform	67-66-3	ug/L																
	Crotonic acid	3724-65-0	ug/L																
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	ug/L																
	Cyclohexane	110-82-7	ug/L			88	JN	21	JN	20	JN	19	JN			34	JN	16	JN
	Cyclohexanone	108-94-1	ug/L																
	Cyclohexene, 1-methyl-4-(1-methylethenyl)	5989-54-8	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		T-32		T-33		T-34		T-35		T-36		T-37		T-38	
				Sample Date	Sample ID	9/17/2013 15:10		9/11/2013 16:30		9/10/2013 14:20		9/10/2013 16:10		9/9/2013 14:55		8/29/2013 16:40		8/29/2013 10:40	
						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Cyclopentasiloxane, decamethyl-	541-02-6	ug/L					11	JN										
	Cyclopropane, 1,2-dimethyl-, cis-	930-18-7	ug/L																
	Cyclotetrasiloxane, octamethyl-	556-67-2	ug/L					18	JN										
	Cyclotrisiloxane, hexamethyl-	541-05-9	ug/L																
	Decane, 2-methyl-	6975-98-0	ug/L											160	JN				
	Decane, 4-methyl-	2847-72-5	ug/L													5.4	JN		
	Dehydroabietic acid	1740-19-8	ug/L													5.1	JN		
	Dibutyl ether	142-96-1	ug/L																
	Dicyclohexylamine	101-83-7	ug/L																
	Disiloxane, hexamethyl-	107-46-0	ug/L																
	Dodecanoic acid	143-07-7	ug/L					34	JN										
	Erucylamide	112-84-5	ug/L																
	Ethanedione, diphenyl-, dioxime	23873-81-6	ug/L																
	Ethanol, 2-butoxy-	111-76-2	ug/L																
	Ethylbenzene	100-41-4	ug/L												R				
	Formamide, N-methyl-N-phenyl-	93-61-8	ug/L							3.1	JN								
	Formylmethylenetriphenylphosphorane	28900-91-6	ug/L																
	Heptadecanoic acid	506-12-7	ug/L																
	Hexadecanoic acid, butyl ester	111-06-8	ug/L																
	Hexanoic acid, 2-ethyl-	149-57-5	ug/L																
	Indane	496-11-7	ug/L																
	Isopropylbenzene	98-82-8	ug/L																
	Methanone, (4-aminophenyl)phenyl-	1137-41-3	ug/L																
	Methylene Chloride	75-09-2	ug/L																
	m-Xylene	108-38-3	ug/L					40	JN	330	JN	340	JN						
	n-Decane	124-18-5	ug/L																
	n-Decanoic acid	334-48-5	ug/L																
	n-Dodecane	112-40-3	ug/L													9.5	JN		
	n-Hexadecanoic acid	57-10-3	ug/L					7.7	JN			5.4	JN						
	N-Nitrosodimethylamine	62-75-9	ug/L																
	Nonane, 2,6-dimethyl-	17302-28-2	ug/L													4.7	JN		
	Nonane, 3,7-dimethyl-	17302-32-8	ug/L													5.8	JN		
	N-Propylbenzene	103-65-1	ug/L																
	Octadecanoic acid	57-11-4	ug/L					14	JN	5.6	JN								
	Octanoic Acid	124-07-2	ug/L																
	o-Toluidine	95-53-4	ug/L							140	EJ			500	EJ				
	o-Xylene	95-47-6	ug/L																
	Pentane, 2,2'-oxybis-	56762-00-6	ug/L																
	Pentatriacontane	630-07-9	ug/L																
	Phenol, 2-(1,1-dimethylethyl)-	88-18-6	ug/L																
	Phenol, 2-(phenylmethyl)-	28994-41-4	ug/L																
	Phenol, 4-(1,1-dimethylpropyl)-	80-46-6	ug/L																
	Phenol, 4-(phenylmethyl)-	101-53-1	ug/L																
	Phenol, 4,4'-(1-methylethylidene)bis-	80-05-7	ug/L																
	Phenol, 4-chloro-2-(phenylmethyl)-	120-32-1	ug/L																
	Phthalic anhydride	85-44-9	ug/L																
	Podocarpa-8,11,13-trien-15-oic acid, 13-	1000164-00-3	ug/L																
	Propanoic acid, 2-phenoxy-	940-31-8	ug/L																
	p-Xylene	106-42-3	ug/L												R				
	Pyridine, 2,4-dimethyl-	108-47-4	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		T-32		T-33		T-34		T-35		T-36		T-37		T-38	
				Sample Date	Sample ID	9/17/2013 15:10		9/11/2013 16:30		9/10/2013 14:20		9/10/2013 16:10		9/9/2013 14:55		8/29/2013 16:40		8/29/2013 10:40	
						T-32 (091713)		T-33 (9/11/13)		T-34 (091013)		T-35 (091013)		T-36 (090913)		T-37 (082913)		T-38 (082913)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Silane, butoxytrimethyl-	1825-65-6	ug/L																
	Silane, methylenebis(methyl-	5/7/5654	ug/L																
	Silane, trimethyl(1-methylbutoxy)-	1825-67-8	ug/L																
	Silane, trimethylphenoxy-	1529-17-5	ug/L																
	Tetradecanoic acid	544-63-8	ug/L			5.5	JN												
	Toluene	108-88-3	ug/L											R					
	Triacetin	102-76-1	ug/L			7.3	JN												
	Tributyl phosphate	126-73-8	ug/L															1,200	EJ
	Trichloroethene	79-01-6	ug/L																
	Tridecanoic acid	638-53-9	ug/L																
	Triphenylphosphine oxide	791-28-6	ug/L																
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	ug/L	500	JN	290	JN	320	JN	300	JN	330	JN	68	JN	550	JN		
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	ug/L	59	JN	46	JN	22	JN	31	JN	130	JN	58	JN	410	JN		
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	ug/L	55	JN	38	JN	18	JN	28	JN	77	JN	41	JN	29	JN		
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	ug/L	55	JN	21	JN	14	JN	26	JN	74	JN	29	JN	22	JN		
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	ug/L	31	JN	12	JN	12	JN	16	JN	23	JN	25	JN	17	JN		
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	ug/L	26	JN	9.2	JN	10	JN	14	JN	21	JN	21	JN	15	JN		
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	ug/L	24	JN	7.7	JN	9	JN	12	JN			17	JN	12	JN		
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	ug/L	24	JN	7.5	JN	6.5	JN	12	JN			11	JN	11	JN		
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	ug/L	17	JN			5.2	JN	11	JN			11	JN	9.7	JN		
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	ug/L	16	JN			4.5	JN	7.2	JN			10	JN	5.8	JN		
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	ug/L	15	JN			3.8	JN	6.1	JN			9.4	JN				
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	ug/L	11	JN			3.4	JN	5.2	JN			5.5	JN				
	UNKNOWN SEMIVOLATILE WITH 13TH HIGHEST CONC.	UNKSV13	ug/L	11	JN			3.1	JN	3.8	JN			5.2	JN				
	UNKNOWN SEMIVOLATILE WITH 14TH HIGHEST CONC.	UNKSV14	ug/L	9.9	JN			3	JN	3.7	JN			4.9	JN				
	UNKNOWN SEMIVOLATILE WITH 15TH HIGHEST CONC.	UNKSV15	ug/L	9.7	JN														
	UNKNOWN SEMIVOLATILE WITH 16TH HIGHEST CONC.	UNKSV16	ug/L																
	UNKNOWN SEMIVOLATILE WITH 17TH HIGHEST CONC.	UNKSV17	ug/L																
	UNKNOWN SEMIVOLATILE WITH 18TH HIGHEST CONC.	UNKSV18	ug/L																
	UNKNOWN SEMIVOLATILE WITH 19TH HIGHEST CONC.	UNKSV19	ug/L																
	Vanillin	121-33-5	ug/L																

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		T-39		T-40		T-41		T-42	
				Sample Date		8/28/2013 16:43		8/28/2013 13:22		9/16/2013 10:45		8/29/2013 14:10	
				Sample ID		T-39 (082813)		T-40 (082813)		T-41 (091613)		T-42 (082913)	
				Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC	1,2,3-Trimethylbenzene	526-73-8	ug/L										
	1,2-Dichloro-1,1,2-trifluoroethane	354-23-4	ug/L										
	1-Hexanol, 2-ethyl-	104-76-7	ug/L										
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L										
	1H-Indene, 2,3-dihydro-4-methyl-	824-22-6	ug/L										
	1H-Indene, 2,3-dihydro-5-methyl-	874-35-1	ug/L										
	2,2-Dichloro-1,1,1-trifluoroethane	306-83-2	ug/L										
	2,2-Dichloropropane	594-20-7	ug/L										
	2,4-Dithiapentane	1618-26-4	ug/L										
	2-Ethyltoluene	611-14-3	ug/L										
	2-Heptanone	110-43-0	ug/L										
	2-Isopropyltoluene	527-84-4	ug/L										
	2-Methylthiophene	554-14-3	ug/L										
	2-Pentanone	107-87-9	ug/L										
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L										
	3-Buten-2-one, 3-methyl-	814-78-8	ug/L										
	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L										
	3-Pentanone, 2,4-dimethyl-	565-80-0	ug/L										
	4-Heptanone	123-19-3	ug/L										
	Benzene, 1-ethyl-2,3-dimethyl-	933-98-2	ug/L										
	Benzene, 1-ethyl-3,5-dimethyl-	934-74-7	ug/L										
	Benzene, 1-methyl-3-propyl-	1074-43-7	ug/L										
	Benzene, 2-ethyl-1,4-dimethyl-	1758-88-9	ug/L										
	Butane, 2,2-dimethyl-	75-83-2	ug/L										
	Butane, 2,3-dimethyl-	79-29-8	ug/L										
	Butane, 2-methyl-	78-78-4	ug/L										
	Cyclohexane, 1,3-dimethyl-, cis-	638-04-0	ug/L										
	Cyclohexene	110-83-8	ug/L										
	Cyclopentane, methyl-	96-37-7	ug/L										
	Dichlorofluoromethane	75-43-4	ug/L	1.6	J								
	Dimethyl sulfide	75-18-3	ug/L										
	Disiloxane, hexamethyl-	107-46-0	ug/L										
	Epichlorohydrin	106-89-8	ug/L										
	Ethane, 1-chloro-1-fluoro-	1615-75-4	ug/L										
	Ethene, 1-chloro-1-fluoro-	2317-91-1	ug/L										
	Ethene, chlorotrifluoro-	79-38-9	ug/L										
	Ethyl tert-butyl ether	637-92-3	ug/L										
	Hexachlorobutadiene	87-68-3	ug/L										
	Hexane, 2-methyl-	591-76-4	ug/L										
	Hexane, 3-methyl-	589-34-4	ug/L										
	Hexanoic acid, hexyl ester	6378-65-0	ug/L										
	Hexanoic acid, pentyl ester	540-07-8	ug/L										
	Hydroperoxide, 1-methylethy	3031-75-2	ug/L										
	Indane	496-11-7	ug/L										
	Indene	95-13-6	ug/L										
	Isopropyl alcohol	67-63-0	ug/L										
	Isopropyl ether	108-20-3	ug/L										
	Methanethiol	74-93-1	ug/L										
	Naphthalene, 1,3-dimethyl-	575-41-7	ug/L										
	Naphthalene, 1,4,6-trimethyl-	2131-42-2	ug/L										

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		T-39		T-40		T-41		T-42	
				Sample Date		8/28/2013 16:43		8/28/2013 13:22		9/16/2013 10:45		8/29/2013 14:10	
				Sample ID		T-39 (082813)		T-40 (082813)		T-41 (091613)		T-42 (082913)	
				Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOCs Method SW8260B/C TIC (Cont.)	Naphthalene, 1,6,7-trimethyl-	2245-38-7	ug/L										
	Naphthalene, 1-ethyl-	1127-76-0	ug/L										
	Naphthalene, 2,3,6-trimethyl-	829-26-5	ug/L										
	Naphthalene, 2,6-dimethyl-	581-42-0	ug/L										
	Pentane, 2-methyl-	107-83-5	ug/L										
	Propanal, 2-methyl-	78-84-2	ug/L										
	Propene	115-07-1	ug/L										
	Propionitrile	107-12-0	ug/L										
	Silane, fluorotrimethyl-	420-56-4	ug/L										
	Silane, methoxytrimethyl-	1825-61-2	ug/L										
	Silanol, trimethyl-	1066-40-6	ug/L										
	tert-Butyldimethylsilano	18173-64-3	ug/L										
	Trans-2-butene	624-64-6	ug/L										
	UNKNOWN VOLATILE ORGANIC WITH HIGHEST CONC.	UNKVOA1	ug/L	2.7	JN			4.3	JN				
	UNKNOWN VOLATILE ORGANIC WITH 2ND HIGHEST CONC.	UNKVOA2	ug/L										
	UNKNOWN VOLATILE ORGANIC WITH 3RD HIGHEST CONC.	UNKVOA3	ug/L										
	UNKNOWN VOLATILE ORGANIC WITH 4TH HIGHEST CONC.	UNKVOA4	ug/L										
	UNKNOWN VOLATILE ORGANIC WITH 5TH HIGHEST CONC.	UNKVOA5	ug/L										
	UNKNOWN VOLATILE ORGANIC WITH 6TH HIGHEST CONC.	UNKVOA6	ug/L										
	UNKNOWN VOLATILE ORGANIC WITH 7TH HIGHEST CONC.	UNKVOA7	ug/L										
	UNKNOWN VOLATILE ORGANIC WITH 8TH HIGHEST CONC.	UNKVOA8	ug/L										
	UNKNOWN VOLATILE ORGANIC WITH 9TH HIGHEST CONC.	UNKVOA9	ug/L										
SVOCs Method SW8270C/D TIC	[1,1'-Bicyclohexyl]-2-one	90-42-6	ug/L										
	1,2,3-Trimethylbenzene	526-73-8	ug/L										
	1,2,4,5-Tetramethylbenzene	95-93-2	ug/L										
	1,2,4-Trimethylbenzene	95-63-6	ug/L										
	1,2-Dichloroethene (total)	540-59-0	ug/L										
	1,2-Diphenylhydrazine	122-66-7	ug/L										
	1,3,5-Cycloheptatriene	544-25-2	ug/L										
	1,3,5-Triazine-2,4,6-(1H,3H,5H)-trione, 1,3,5-tri-2-propen-1-yl	1025-15-6	ug/L							66	JN		
	1,3,5-Trimethylbenzene	108-67-8	ug/L										
	1,3,5-Trithiane	291-21-4	ug/L										
	1,4-Dioxane	123-91-1	ug/L					0.63	J			230	J
	17-Pentatriacontene	6971-40-0	ug/L										
	1-Decene	872-05-9	ug/L										
	1-Docosene	1599-67-3	ug/L										
	1H,3H-Naphtho[1,8-cd]pyran-1-one	518-86-5	ug/L										
	1H-Benzotriazole, 5-methyl-	136-85-6	ug/L	6.6	JN								
	1-Hepten-3-yne	2384-73-8	ug/L										
	1H-Indene, 2,3-dihydro-1-methyl-	767-58-8	ug/L										
	1-Penten-3-ol, 3-ethyl-2-methyl-	28832-46-4	ug/L										
	2,4-Dithiapentane	1618-26-4	ug/L										
	2-Butanol, 3-methyl-, (S)-	1517-66-4	ug/L										
	2-Cyclohexen-1-one	930-68-7	ug/L										
	2-Cyclopenten-1-one, 2,3-dimethyl-	1121-05-7	ug/L										
	2-Ethyltoluene	611-14-3	ug/L										
	2-Pentanol, 2-methyl-	590-36-3	ug/L										
	2-Pentanol, 4-methyl-	108-11-2	ug/L										
	2-Propanol, 1-[1-methyl-2-(2-propenyloxy)ethoxy]	55956-25-7	ug/L										
	3,4-Dimethyl-2-pentanone	1000202-23-1	ug/L										

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		T-39		T-40		T-41		T-42	
				Sample Date		8/28/2013 16:43		8/28/2013 13:22		9/16/2013 10:45		8/29/2013 14:10	
				Sample ID		T-39 (082813)		T-40 (082813)		T-41 (091613)		T-42 (082913)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	3-Hexanone, 2,5-dimethyl-	1888-57-9	ug/L										
	3-Hexenedinitrile	1119-85-3	ug/L										
	4,4'-Diaminobenzophenone	611-98-3	ug/L										
	4,4'-Methylene-bis-(N,N'-dimethyl)aniline	101-61-1	ug/L										
	4-Methyl-2-pentanone	108-10-1	ug/L										
	4-Methylphenol	106-44-5	ug/L										
	4-Nitrosophenyl-.beta.-phenylpropionate	1000129-40-0	ug/L										
	4-Piperidinone, 2,2,6,6-tetramethyl-	826-36-8	ug/L									70	JN
	5-Nitro-o-toluidine	99-55-8	ug/L										
	9,10-Anthracenedione, 1,4-dihydroxy-	81-64-1	ug/L										
	9-Octadecenamide, (Z)-	301-02-0	ug/L										
	Acetic acid	64-19-7	ug/L										
	Acetic acid, (trimethylsilyl)-	2345-38-2	ug/L										
	Acetic acid, 1,1-dimethylethyl ester	540-88-5	ug/L										
	Acetic acid, phenoxy-	122-59-8	ug/L										
	Alpha-Terpineol	98-55-5	ug/L										
	Azobenzene	103-33-3	ug/L										
	Benzenamine, 4,4'-methylenebis-	101-77-9	ug/L										
	Benzenamine, 4-chloro-N,N-dimethyl-	698-69-1	ug/L										
	Benzenamine, N,N-dimethyl-4-nitro-	100-23-2	ug/L										
	Benzene	71-43-2	ug/L										
	Benzene, [1-(2,4-Cyclopentadiene-1-ylidene)ethyl]	2320-32-3	ug/L										
	Benzene, 1,4-diethyl-	105-05-5	ug/L										
	Benzene, 1-methyl-2-(phenylmethyl)	713-36-0	ug/L										
	Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	ug/L										
	Benzene, 4-ethyl-1,2-dimethyl-	934-80-5	ug/L										
	Benzenecetic acid	103-82-2	ug/L										
	Benzenemethanol, .alpha.,.alpha.-dimethyl	617-94-7	ug/L										
	Benzenepropanoic acid	501-52-0	ug/L										
	Benzenesulfonic acid, 4-hydroxy-	98-67-9	ug/L										
	Benzoic acid	65-85-0	ug/L										
	Benzoic acid, 3-methyl-	99-04-7	ug/L										
	Benzoic acid, 4-(dimethylamino)-	619-84-1	ug/L										
	Benzoic acid, 4-(methylamino)-	10541-83-0	ug/L										
	Benzoic acid, 4-(phenylmethyl)-	620-86-0	ug/L										
	Benzoic acid, 4-methyl-	99-94-5	ug/L										
	Benzothiazole	95-16-9	ug/L										
	Benzylmalonic acid	616-75-1	ug/L										
	Bicyclo[2.2.1]hept-2-ene, 5-ethyl-	15403-89-1	ug/L										
	Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1S,4S)	464-48-2	ug/L										
	Butane, 2-methoxy-	6795-87-5	ug/L										
	Butanoic acid	107-92-6	ug/L										
	Butyl Stearate	123-95-5	ug/L										
	Carbonic acid, dimethyl ester	616-38-6	ug/L										
	Chloroform	67-66-3	ug/L										
	Crotonic acid	3724-65-0	ug/L										
	Cyclohexanamine, N-cyclohexyl-N-methyl-	7560-83-0	ug/L										
	Cyclohexane	110-82-7	ug/L		R		R		23	JN		110	JN
	Cyclohexanone	108-94-1	ug/L										
	Cyclohexene, 1-methyl-4-(1-methylethenyl)	5989-54-8	ug/L										

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Method	Analyte	CAS	Units	Location		T-39		T-40		T-41		T-42	
				Sample Date		8/28/2013 16:43		8/28/2013 13:22		9/16/2013 10:45		8/29/2013 14:10	
				Sample ID		T-39 (082813)		T-40 (082813)		T-41 (091613)		T-42 (082913)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Cyclopentasiloxane, decamethyl-	541-02-6	ug/L			6.7	JN						
	Cyclopropane, 1,2-dimethyl-, cis-	930-18-7	ug/L										
	Cyclotetrasiloxane, octamethyl-	556-67-2	ug/L										
	Cyclotrisiloxane, hexamethyl-	541-05-9	ug/L										
	Decane, 2-methyl-	6975-98-0	ug/L										
	Decane, 4-methyl-	2847-72-5	ug/L										
	Dehydroabietic acid	1740-19-8	ug/L										
	Dibutyl ether	142-96-1	ug/L										
	Dicyclohexylamine	101-83-7	ug/L										
	Disiloxane, hexamethyl-	107-46-0	ug/L										
	Dodecanoic acid	143-07-7	ug/L							24	JN		
	Erucylamide	112-84-5	ug/L										
	Ethanedione, diphenyl-, dioxime	23873-81-6	ug/L										
	Ethanol, 2-butoxy-	111-76-2	ug/L										
	Ethylbenzene	100-41-4	ug/L										
	Formamide, N-methyl-N-phenyl-	93-61-8	ug/L										
	Formylmethylenetriphenylphosphorane	28900-91-6	ug/L										
	Heptadecanoic acid	506-12-7	ug/L										
	Hexadecanoic acid, butyl ester	111-06-8	ug/L										
	Hexanoic acid, 2-ethyl-	149-57-5	ug/L										
	Indane	496-11-7	ug/L										
	Isopropylbenzene	98-82-8	ug/L										
	Methanone, (4-aminophenyl)phenyl	1137-41-3	ug/L										
	Methylene Chloride	75-09-2	ug/L										
	m-Xylene	108-38-3	ug/L	14	JN								
	n-Decane	124-18-5	ug/L										
	n-Decanoic acid	334-48-5	ug/L							11	JN		
	n-Dodecane	112-40-3	ug/L										
	n-Hexadecanoic acid	57-10-3	ug/L			4.2	JN	11	JN				
	N-Nitrosodimethylamine	62-75-9	ug/L										
	Nonane, 2,6-dimethyl-	17302-28-2	ug/L										
	Nonane, 3,7-dimethyl-	17302-32-8	ug/L										
	N-Propylbenzene	103-65-1	ug/L										
	Octadecanoic acid	57-11-4	ug/L			3.2	JN	11	JN				
	Octanoic Acid	124-07-2	ug/L					17	JN				
	o-Toluidine	95-53-4	ug/L										
	o-Xylene	95-47-6	ug/L			6.8	JN						
	Pentane, 2,2'-oxybis-	56762-00-6	ug/L										
	Pentatriacontane	630-07-9	ug/L										
	Phenol, 2-(1,1-dimethylethyl)-	88-18-6	ug/L										
	Phenol, 2-(phenylmethyl)-	28994-41-4	ug/L										
	Phenol, 4-(1,1-dimethylpropyl)-	80-46-6	ug/L										
	Phenol, 4-(phenylmethyl)-	101-53-1	ug/L										
	Phenol, 4,4'-(1-methylethylidene)bis-	80-05-7	ug/L										
	Phenol, 4-chloro-2-(phenylmethyl)-	120-32-1	ug/L										
	Phthalic anhydride	85-44-9	ug/L										
	Podocarpa-8,11,13-trien-15-oic acid, 13-	1000164-00-3	ug/L										
	Propanoic acid, 2-phenoxy-	940-31-8	ug/L										
	p-Xylene	106-42-3	ug/L										
	Pyridine, 2,4-dimethyl-	108-47-4	ug/L										

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

				Location		T-39		T-40		T-41		T-42	
				Sample Date		8/28/2013 16:43		8/28/2013 13:22		9/16/2013 10:45		8/29/2013 14:10	
				Sample ID		T-39 (082813)		T-40 (082813)		T-41 (091613)		T-42 (082913)	
Method	Analyte	CAS	Units	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
SVOCs Method SW8270C/D TIC (Cont.)	Silane, butoxytrimethyl-	1825-65-6	ug/L										
	Silane, methylenebis(methyl-	577/5654	ug/L										
	Silane, trimethyl(1-methylbutoxy)-	1825-67-8	ug/L										
	Silane, trimethylphenoxy-	1529-17-5	ug/L										
	Tetradecanoic acid	544-63-8	ug/L										
	Toluene	108-88-3	ug/L										
	Triacetin	102-76-1	ug/L										
	Tributyl phosphate	126-73-8	ug/L									42,000	EJ
	Trichloroethene	79-01-6	ug/L										
	Tridecanoic acid	638-53-9	ug/L										
	Triphenylphosphine oxide	791-28-6	ug/L										
	UNKNOWN SEMIVOLATILE WITH HIGHEST CONC.	UNKSV1	ug/L		R	870	JN	510	JN	1,100	JN		
	UNKNOWN SEMIVOLATILE WITH 2ND HIGHEST CONC.	UNKSV2	ug/L		R	28	JN	54	JN	85	JN		
	UNKNOWN SEMIVOLATILE WITH 3RD HIGHEST CONC.	UNKSV3	ug/L		R	27	JN	48	JN				
	UNKNOWN SEMIVOLATILE WITH 4TH HIGHEST CONC.	UNKSV4	ug/L		R	23	JN	23	JN				
	UNKNOWN SEMIVOLATILE WITH 5TH HIGHEST CONC.	UNKSV5	ug/L	11	JN	22	JN	20	JN				
	UNKNOWN SEMIVOLATILE WITH 6TH HIGHEST CONC.	UNKSV6	ug/L		R	22	JN	18	JN				
	UNKNOWN SEMIVOLATILE WITH 7TH HIGHEST CONC.	UNKSV7	ug/L	2.6	JN	16	JN	15	JN				
	UNKNOWN SEMIVOLATILE WITH 8TH HIGHEST CONC.	UNKSV8	ug/L			8.5	JN	13	JN				
	UNKNOWN SEMIVOLATILE WITH 9TH HIGHEST CONC.	UNKSV9	ug/L			7	JN	12	JN				
	UNKNOWN SEMIVOLATILE WITH 10TH HIGHEST CONC.	UNKSV10	ug/L			6.2	JN	10	JN				
	UNKNOWN SEMIVOLATILE WITH 11TH HIGHEST CONC.	UNKSV11	ug/L			3.2	JN	7.3	JN				
	UNKNOWN SEMIVOLATILE WITH 12TH HIGHEST CONC.	UNKSV12	ug/L			2.3	JN	6.6	JN				
	UNKNOWN SEMIVOLATILE WITH 13TH HIGHEST CONC.	UNKSV13	ug/L			2	JN	6.5	JN				
	UNKNOWN SEMIVOLATILE WITH 14TH HIGHEST CONC.	UNKSV14	ug/L			1.8	JN						
	UNKNOWN SEMIVOLATILE WITH 15TH HIGHEST CONC.	UNKSV15	ug/L										
	UNKNOWN SEMIVOLATILE WITH 16TH HIGHEST CONC.	UNKSV16	ug/L										
	UNKNOWN SEMIVOLATILE WITH 17TH HIGHEST CONC.	UNKSV17	ug/L										
	UNKNOWN SEMIVOLATILE WITH 18TH HIGHEST CONC.	UNKSV18	ug/L										
	UNKNOWN SEMIVOLATILE WITH 19TH HIGHEST CONC.	UNKSV19	ug/L										
	Vanillin	121-33-5	ug/L										

See Notes on Page 76.

Table 2.3
Groundwater Analytical Results TICs

2013 Remedial Investigation
Site #C734138: BMS Syracuse North Campus Restoration Area
East Syracuse, NY

Notes:

Bold result = Analyte detected in sample.

Blank results indicate TIC was not identified in the sample.

Where initial and dilution results are reportable, initial result is reported.

* = CHP43RX groundwater sampling results for VOCs (SW8260B/C) qualified as being biased low.

Based on the total well depth reported on the groundwater sampling logs, it appears that the well designation and therefore the results for wells BLD 62-1D and BLD 62 1S and wells PAS 1-1 and PAS 1-2 were reversed. As a result, the well location information (top row on the data table) was updated to reflect this information. The Sample ID for each of these samples remains unchanged.

CAS = Chemical Abstracts Service.

TIC = tentatively identified compound.

VOC = volatile organic compound.

µg/L = micrograms per liter.

Qualifier Definitions:

J = Estimated value. Result is < the RL but = MDL.

E = Estimated value. Result exceeds calibration range.

J N = Result is an estimated value and the analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.

N = Presumptive evidence of material.

R = rejected result.



Appendix B

Ultra-Low Flow Groundwater
Sampling Protocol



Ultra Low-Flow Groundwater Sampling Addendum

BMS Syracuse North Campus Restoration Area East Syracuse, New York

Introduction

This groundwater sampling addendum provides information that supplements the O'Brien & Gere 2013 Field Sampling Plan (OBG, 2013) for low flow sampling (See Section 7.1.3). This addendum is to be used on monitoring wells at the BMS Syracuse North Campus Restoration Area in East Syracuse, New York that have slow recovery and have gone dry during past sampling events. All of the sampling procedures detailed in OBG's 2013 groundwater sampling protocol are to be followed except as outlined herein. Specifically, this addendum identifies a lower target purging/sampling rate and the potential need for insulation around tubing and flow through cell.

A peristaltic pump will be used to collect samples from monitoring wells where the depth to groundwater is not greater than the suction limit (approximately 25 feet below ground surface [bgs]). At wells where the depth to groundwater is greater than 25 feet bgs, a bladder pump will be used.

Purging

Purge the monitoring well at the lowest rate possible, with a target purging rate of approximately 1 liter per hour (L/h).

When purging and sampling in high or low temperature ambient conditions, use insulation around the discharge line and around the flow through cell. Due to the low pumping rates, the water in the tubing and flow through cell can be impacted by the ambient temperature, which will impact the field parameters.

Sample Collection

Using a flow rate of approximately 1 L/h obtain the groundwater sample needed for analysis directly from the sampling device in the appropriate container and tightly screw on the caps. As indicated in USEPA, 2010, during purging and sampling, the sample tubing must remain filled with water to avoid aeration of the groundwater. If the pump tubing is not completely filled to the sampling point, collect non-VOC/dissolved gases samples first, then increase flow rate slightly (as long as the flow rate remains less than 5 L/h) until the water completely fills the tubing, collect the VOC/dissolved gases samples, and record new drawdown depth and flow rate.

For collection of VOC samples from a bladder pump set the pump to deliver long pulses of water so that one pulse will fill a 40 mL VOC vial.



References

OBG. 2013. Remedial Investigation Work Plan: BMS Syracuse North Campus Restoration Area Site No. C734138. Field Sampling Plan.

US EPA. 2010. Low Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells EQASOP-GW 001 Region 1 Low-Stress (Low-Flow) SOP Revision Number: 3 Date: July 30, 1996 Revised: January 19, 2010.