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Final Site Closeout Document PHOSter™ System Soil, Indoor Air & Groundwater Sampling (March 2011 Sampling Event)

SMS Instruments Site, Site #1-52-026
Deer Park, Suffolk County, NY
Multi Site G
Operation, Maintenance & Monitoring
Work Assignment D004445-14.3

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1.0 Introduction

AECOM Technical Services Northeast, Inc (AECOM) has prepared this Closeout Document for the SMS Instruments Inc. Site (Site) in the City of Deer Park, Suffolk County, New York. This work was performed for the New York State Department of Environmental Conservation (NYSDEC) under Work Assignment D004445-14.3 of the Superfund Standby Contract. The NYSDEC has determined that SMS Instruments, ID No. 1-52-026, is a Class 2 site that has been substantially remediated but requires continued operation, maintenance and monitoring (OM&M). A bioremediation system is the only remedial system that remains in place at the Site (currently inactive). This sampling report summarizes the SMS Instruments Site soil, groundwater and soil vapor sampling activities that occurred since the transfer of the Site from the US Environmental Protection Agency (USEPA) to the NYSDEC in 2005. The last round of samples was collected in March 2011.

1.1 Background Information and Site Chronology

The SMS Instruments Superfund site is located at 120 Marcus Boulevard in Deer Park, Suffolk County, New York (Figure 1). The site was listed on the National Priority List (NPL) in 1986. The Site consists of a 34,000 square foot building located on a 1.5-acre lot that is surrounded by other light industrial facilities. A recharge basin is located adjacent to the Site to the east. Facility operations occurred between 1967 and 1990 and primarily involved overhauling of military aircraft components. These activities consisted of cleaning, painting, degreasing, refurbishing, metal machining, and testing components. Other historic uses, under different tenants, included the manufacturing of wooden kitchen utensils. The building was unoccupied for the past several years, but as of January 2, 2008, it has been used for furniture storage. A chronology of events since the USEPA turned over control of the Site to NYSDEC is listed in Appendix A.

Site contamination was first discovered in 1980 when the Suffolk County Department of Health Services sampled a leaching pool on the southern side of the facility. USEPA completed a remedial investigation/feasibility study (RI/FS) in 1989. Groundwater contaminants included volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs) and metals. The primary VOC contaminants in groundwater consisted of tetrachloroethene (PCE), trichloroethene (TCE), chlorobenzene, trans-1,2-dichloroethane, total xylenes, ethylbenzene, and 1,1-dichloroethane. SVOCs included naphthalene, 1,4-dichlorobenzene, 1,3-dichlorobenzene, and 1,2-dichlorobenzene. Two metals, chromium and lead, were also a concern for groundwater. Soil contaminants of concern included ethylbenzene, total xylenes, chlorobenzene, trans-1,2-dichloroethene, and PCE. Investigative and remedial activities at the Site have included pumping out the leaching pond and backfilling it, removal of an underground storage tank (UST) (which was used to store jet fuel), and operation of a soil vapor extraction system (SVE). The SVE system was operated from 1992 to 1994, near the former leaching pool and the former UST areas to remediate residual VOCs in soils. Wastewater was historically discharged into a leaching pool at the site, which, subsequently

contaminated soils and groundwater beneath the site. In addition, the leaking UST also contaminated soils and groundwater beneath the site. A groundwater pump and treat (GW P&T) system, which included an air stripper to treat contaminated groundwater, was constructed and began operation in 1994.

Soil sampling conducted after the operation of the SVE system indicated that the soil remedy reduced VOC contamination and therefore reduced potential exposure to contaminated soil vapor. The groundwater contamination had decreased substantially since activation of the GW P&T system, and as a direct result of the successful SVE remedial action. After several years of operation, the influent concentrations had decreased substantially and the GW P&T system was no longer seen as accelerating site cleanup. Furthermore, the GW P&T system was failing to achieve the ultimate groundwater cleanup goals (e.g., the maximum contaminant levels [MCLs]). Therefore, in July 2003, GeoTrans, on behalf of the USEPA, conducted a site visit to perform an evaluation of the active GW P&T system. The results of the evaluation were included in a Remedial System Evaluation (RSE) report (GeoTrans, 2003). The RSE report recommended conducting a pilot study on alternative technologies and to determine if an alternative technology should replace the GW P&T system. The RSE report indicated various alternative technologies were available for reducing mass of VOCs, including air sparging, bioaugmentation, and chemical oxidation.

Following acceptance of the RSE report, in May of 2004, the USEPA Remedial Action Branch sent a request for field support at the SMS Instruments Site. The request involved two phases: additional field characterization of a former UST area through use of direct push soil sampling down to the water table, and a second phase to assess and implement additional remedial technologies to address remaining source areas, such as air sparging with SVE and/or bioremedial-enhancing injections. In an effort to field characterize the former UST area and obtain data needed for the selection of a pilot alternative approach, 25 soil borings were advanced and sampled, and SVE and air sparge wells were installed in August 2004 by ERT and the Response Engineering and Analytical Contract (REAC) contractor (Lockheed Martin Technology Services [Lockheed Martin]).

Based on an evaluation of the data generated by ERT/REAC, the USEPA Remedial Project Manager (RPM) and the USEPA Removal On-Scene Coordinator (OSC) concluded that a bioremedial – enhancing approach via gaseous injection to facilitate cometabolic degradation of the residual chlorinated COCs contamination in groundwater would be the most appropriate and cost effective technology for the time frame of operation. In April of 2005, under the Emergency and Rapid Response Services (ERRS) contract, Earth Tech Northeast, Inc. (Earth Tech, now AECOM Technical Services Northeast, Inc.) procured a PHOSter™ system and the system was later installed and activated on site in May 2005. Further details of the PHOSter™ system are included in Section 2.1 of this report.

The USEPA operated the GW P&T system at the Site until July 15, 2005 when the Site was turned over to NYSDEC. Based on sampling conducted by CDM for the USEPA in June 2005 and effluent samples collected by Earth Tech in August 2005, Earth Tech determined that the GW P&T system was no longer removing significant quantities of contaminants, and VOC concentrations in the influent

were below laboratory reporting limits (5 µg/L). In a letter to NYSDEC dated October 6, 2005, Earth Tech recommended that the GW P&T system be de-activated. NYSDEC concurred with this recommendation in a letter dated October 21, 2005.

1.1.1 USEPA/REAC Soil Boring Advancement and SVE/Air Sparge Well Installation Activities (August 2004)

In July 2004, EPA-ERT/REAC provided the necessary field support to characterize the remaining source area located off the southeast corner of the SMS Building, and preliminary cost projections to implement sparging/bioremediation operations. A Geoprobe was used to advance 25 soil borings to collect 46 subsurface soil samples, which were analyzed with a field gas chromatograph (GC) for benzene, toluene, ethylbenzene, and xylenes (BTEX). Three samples were also analyzed for total VOCs (method 8260B). The highest BTEX/VOC concentrations were detected in samples collected in the vicinity of the drywell and groundwater extraction well EW-3. These soil samples were collected in the saturated zone (between 24 and 28 feet below ground surface [ft bgs]). The focus of the current remedial action is on this submerged contaminant zone. The highest concentrations of BTEX were found in the drywell sample collected at 24 ft bgs with a total concentration of 170,580 micrograms per kilogram (µg/kg). The highest VOC results were obtained from the drywell location at 24 feet bgs with a total VOC concentration of 408,100 µg/kg. Vadose zone and saturated zone soil sample data indicated that contamination was contained within the shallow saturated zone. Complete details of the soil boring event are included in the Site Investigation Report (Technical Memorandum, REAC / Lockheed Martin, August, 2005).

Following a review of these results, it was determined that bioremedial enhancement required further evaluation beyond the USEPA's Remedial Action Branch's required timeframe for transfer of the site to the NYSDEC. Therefore, in November 2004, USEPA's Removal Action Branch, along with ERT/REAC, were able to provide continual field support to install the necessary piping for the bioremediation system. However, it was determined that purchasing or rental of the bioremediation system was beyond the scope of their existing contract. Therefore, in May 2005, Earth Tech, EPA Region II ERRS contractor, procured and installed a PHOSter™ bioremediation system at the Site. Further details of the bioremediation system are included in Section 2.3 of this report.

The PHOSter™ system performance was evaluated in June 2006 with a soil sampling program designed to collect subsurface soil samples for chemical testing and methanotrophs. The results of this evaluation were presented in the Final PHOSter™ System Soil Sampling Report (June 2006 Sampling Event) (Earth Tech, 2006b). The report concluded that the PHOSter™ system was removing VOCs from the soil column; however, pockets of contamination still remained. The report recommended that the PHOSter™ system continue to operate for another six months at which time the performance would again be evaluated. A second system performance evaluation was performed in March 2007. These results documented a significant reduction in contaminant concentrations. The report recommended that the PHOSter™ system continue to operate for at least an additional six months. Modifications were made to the PHOSter™ system to focus the bioremediation amendment injections on the limited areas where soils had not met the cleanup objectives. A third periodic

performance evaluation was conducted in November 2008 at which time the system was converted to a biosparge system. A fourth performance evaluation was conducted in September 2009. Upon review of the data, the system was turned off in January 2010.

1.1.2 USEPA/Earth Tech Groundwater Pump And Treat System Evaluation Sampling (August 31, 2005)

In an effort to evaluate the current status of the GW P&T system, on August 31, 2005, three groundwater samples (including one field duplicate) were shipped to Mitkem Corporation for VOC analysis by USEPA Method 624, along with three air samples (also including one field duplicate), which were shipped to Con-Test Analytical Laboratory for total organic analysis.

Results of the GW P&T system evaluation sampling performed on August 31, 2005 indicated no contamination was being treated by the system, as no contaminants were detected in the influent. Therefore, on October 6, 2005 Earth Tech recommended the shut-down of the SMS groundwater pump and treatment plant. In a letter dated October 21, 2005, the NYSDEC approved the temporary shutdown of the groundwater treatment plant. The NYSDEC letter also indicated that groundwater sampling would continue to determine if any significant rebound occurs. If no rebound was observed after a reasonable period of time, the treatment GW P&T system would be permanently shut down and dismantled.

1.1.3 Groundwater Pump and Treat System Shutdown and Dismantlement

Following the temporary shutdown of the GW P&T system in August 2005, three rounds of groundwater samples were collected: February 2006, September 2006 and August 2007. These results were summarized in the Final Groundwater Sampling Report (Earth Tech, February 2008a). No apparent rebound was noted in the monitoring well groundwater samples. One of the recommendations made after the second round of sampling was the demolition of the GW P&T system building. After reviewing the draft August 2007 groundwater sampling results, NYSDEC approved the preparation of a dismantlement plan for the GW P&T system and building.

A Dismantlement Plan was prepared and finalized in April 2007 (Earth Tech, 2007b), which detailed the demolition of the treatment building. Several tasks were required to obtain the demolition permit from the City of Babylon, New York. These tasks included the termination of electrical and water service to the treatment building. The electrical main to the treatment building was terminated on July 16, 2007 by a licensed electrical contractor, ADB Electric and Sons. The service was moved to a new “H” frame service to continue the PHOSter™ system operations. The potable water line to the building was capped on November 20, 2007 by a licensed plumber, Pro Mechanical. On November 2, 2007, Veolia ES Technical Solutions removed all waste from the treatment building including water treatment chemicals, test meter solutions and other wastes. The building was demolished in two phases. All piping and carbon units were dismantled in June 2007. Final building demolition and concrete foundation removal occurred in late December 2007.

2.0 PHOSter™ System

2.1 Technology Description Selection Rationale

The Enhanced In-Situ Bioremediation Process is a biostimulation technology developed by the US Department of Energy (DOE) at the Westinghouse Savannah River Plant site in Aiken, South Carolina. DOE refers to their phosphate injection technology as PHOSter™. The process delivers a gaseous phase mixture of air, nutrients (triethylphosphate [TEP]), and methane (an alternative carbon source) to contaminated soils at the SMS site. These enhancements are delivered to groundwater via injection wells to stimulate and accelerate the growth of existing microbial populations, specifically methanotrophs. These methanotrophs are capable of direct aerobic and aerobic cometabolic bioremediation. The advantage of aerobic cometabolic bioremediation is that at low VOC concentrations (as at this site) there may not be an adequate carbon source available to support bacterial growth for direct aerobic biodegradation. This type of aerobic bacteria has the ability to metabolize methane and produce enzymes (soluble methane mono-oxygenase [sMMO]) capable of degrading chlorinated solvents and their degradation products to non-hazardous constituents. Furthermore, these methanotrophs typically adhere to soil grain surfaces and would be ideally located for the degradation of the remaining residual adsorbed contaminants. The primary components of the treatment system consist of injection wells, air injection equipment, groundwater monitoring wells, and soil vapor monitoring points. Figure 2 shows a plan view of the treatment area, the injection wells, and monitoring points. The injection wells are designed to deliver air, gaseous-phase nutrients, and methane to groundwater and the vadose zone in the underlying soils.

The PHOSter™ technology was chosen for this site for a number of reasons. Contaminant concentrations in the groundwater are at very low asymptotic levels and demonstrating that the GW P&T system was no longer capable of removing a sufficient mass of contamination to justify operation. A system of groundwater and vadose zone wells were already in place that would be suitable for economically installing this technology. Soil and groundwater sampling results indicated existing biological activity was slowly degrading the primary contaminants (chlorinated VOCs). The site geology and hydrogeology was also ideal for this technology. The PHOSter™ technology has demonstrated ability to stimulate bacterial activity, promote the destruction of the primary site COCs (chlorinated VOCs - PCE, TCE and dichlorobenzenes), provide a means to focus remediation on the submerged zone of residual contamination, and act as a polishing technology for the removal of low level contamination often encountered in the final stages of site remediation.

2.2 PHOSter™ System Overview

The initial SMS system consisted of two compressors capable of delivering 10 to 20 pounds per square inch (psi) and approximately 10 to 200 standard cubic feet per hour (scfh) to a pressure rated steel tank. Air from the main line is diverted to the injection wells. The monitoring wells and soil vapor

monitoring points were installed as part of a proposed air sparging and vacuum extraction system that was never completed since the PHOSter™ injection system was subsequently implemented.

The SMS injection system consists of air, nutrient, and methane injection equipment, all housed in a mobile trailer. A compressor system provides the air source, and includes a condensate tank with a drain, an air line, coalescing filters and pressure regulators and valves. Methane and nitrous oxide provide the source of carbon and nitrogen, respectively. Both are provided in standard gas cylinders and are piped into the main air line using regulators and flow meters. TEP, the phosphorus source, is stored as a liquid in a pressure-rated steel tank. Air from the main line is diverted through the tank to volatilize the TEP for subsurface delivery. The air, nitrous oxide, and TEP are injected continuously while the methane is injected on a pulsed schedule. The methane is closely monitored just prior to injecting into subsurface wells to ensure that the injection concentration does not exceed 4% by volume, thus avoiding the methane lower explosive limit (LEL) of 5%.

The gaseous phase bioremediation amendments will stimulate bacterial populations capable of direct aerobic and aerobic cometabolic bioremediation. The advantage of the aerobic cometabolic bioremediation is that at low VOC concentrations (as at this site) there may not be an adequate carbon source available to support bacterial growth for direct aerobic biodegradation. With the addition of an alternative carbon source (methane), the microbial population (methanotrophs) can multiply and produce an enzyme sMMO that degrades a number of VOCs to non-toxic end products. Furthermore, these methanotrophs typically adhere to soil grain surfaces and would be ideally located for the degradation of the remaining residual adsorbed contaminants.

2.3 Remedial System Monitoring and Sampling

Following the implementation of the PHOSter™ technology in May of 2005, several sampling events have been conducted at the SMS site. Sampling has included air, groundwater, and discrete saturated soil sampling to evaluate performance and overall remedial effectiveness. As previously discussed, soil and groundwater concentrations had reached an asymptotic condition under the ongoing GW P&T remedial action, so implementation of the PHOSter™ system was designed to continue the positive contaminant reduction trend that had been achieved to date.

Air samples were field tested from on-site monitoring wells two times per month by AECOM staff scientists during system operation. The air was monitored for methane and CO_2 in percent with a CES-LANDTEC GEMTM 500 portable gas analyzer. A MultiRAE meter was used to analyze for CO, O_2, and H_2S. A MultiRAE photoionization detector (PID) was used to monitor for VOCs.

Soil samples were collected from varying depths and locations within the water-bearing zone and analyzed for the presence of methanotrophs. Methanotrophs are a group of bacteria that are considered ubiquitous in the environment (Hanson and Hanson, 1996), but are often a minor group within the natural subsurface bacterial populations. Table 1 presents the methanotrophs data for the soil samples: total methanotrophs; Type I methanotrophs; and Type II methanotrophs. The Type I methanotrophs appear best adapted to grow at low methane concentrations. The growth of some

Type II methanotrophs is favored when methane levels are high, when combined nitrogen and oxygen levels are low, and when copper is substantially depleted in the growth media. The conditions in groundwater appear to favor the growth of the Type II methanotrophs and the synthesis of sMMO that is essential for the rapid degradation of TCE and some other low molecular-weight halogenated hydrocarbons (Hanson and Hanson, 1996). However, Type I methanotrophs can also produce sMMO. The expression of the sMMO enzyme is the important mechanism of methanotrophs. The enzyme breaks down a number of VOCs including the targeted compounds at this site.

As expected, methanotrophs were detected in all six soil samples. An abundant methanotrophs population (10^5 to 10^8 cells per gram) was reported for soil samples collected at the targeted shallower depths (23.5 to 24.5 ft bgs). This methanotrophs population size is consistent with a successfully stimulated subsurface in the range that is conducive for VOC degradation. This coincides with the targeted amendment injection that was implemented after the June 2006 results were evaluated. After the June 2006 results were evaluated, several injection points were turned off and the remaining injection points were directed to focus on the three remaining hot spots: DW, SMS-12, and SMS-16. These microbial results indicate the successful stimulation of the methanotrophs in these targeted areas as indicated on Table 1 which shows all six methanotrophs data sets from June 2006, March 2007, January 2008, November 2008, September 2009 and March 2011.

2.4 PHOSter™ System Sampling and Effectiveness Evaluation

Six soil sampling events have been conducted to evaluate the PHOSter™ system since 2005: June 2006, March 2007, January 2008, November 2008, September 2009 and March 2011. In June 2006, six soil borings were advanced and subsurface soil samples were collected for analysis of VOCs, SVOCs, phospholipid fatty acids (PLFA) and methanotrophs. The results were presented in the Final PHOSter™ System Soil Sampling Report (Earth Tech, October 2006b). The results indicated that contaminant concentrations were decreasing; however, soil samples collected near the former dry well had contaminant concentrations exceeding applicable cleanup criteria. Based on the analytical results, a recommendation was made to continue the operation of the PHOSter™ system for an additional six months, at which time another round of soil samples would be collected and evaluated.

The second evaluation occurred in March 2007, when six soil borings were advanced and subsurface soil samples were collected for analysis of VOCs, PLFA and methanotrophs. The results were presented in the Final PHOSter™ System Soil Sampling Report (Earth Tech, June 2007d). The results indicated that contaminant concentrations were decreasing; however, soil samples collected near the former dry well had contaminant concentrations that continued to exceed applicable cleanup criteria. Based on the analytical results, a recommendation was made to continue the operation of the PHOSter™ system for an additional six months, at which time another round of soil samples would be collected and evaluated.

The third evaluation occurred in January 2008, when six soil borings were advanced and subsurface soil samples were collected for analysis of VOCs, PLFA and methanotrophs. The results were presented in the Final PHOSter™ System Soil Sampling Report (Earth Tech, May 2008b). When

comparing the January 2008 data with the March 2007 data, the data indicated that total VOC contaminant concentrations increased significantly at borings SMS-12, SMS-16, SMS-16B and DW, while at borings SMS-12B and DWB there were significant decreases. The total VOC concentration exceeded the criterion at SMS-12, SMS-12B, SMS-16 and SMS-16B. The variation in concentrations between sampling rounds was attributed to the heterogeneous nature of the soil contaminant distribution.

The fourth evaluation occurred in November 2008, when six soil borings were advanced and subsurface soil samples were collected for analysis of VOCs, PLFA and methanotrophs. The results were presented in the Final PHOSter™ System Soil Sampling Report (Earth Tech, April 2009b). When comparing the November 2008 data with the January 2008 data, the data indicated significant decreases in total VOC contaminant concentrations at borings SMS-12, SMS-12B, SMS-16 and SMS-16B. A minor decrease in concentration was noted at boring DWB while a slight increase was noted at boring DW. The total VOC concentration continued to exceed the criterion at SMS-12 and SMS-16.

The fifth evaluation occurred in September 2009, when six soil borings were advanced and subsurface soil samples were collected for analysis of VOCs, PLFA and methanotrophs. The results were presented in the Final PHOSter™ System Soil Sampling Report (AECOM, 2010a). When comparing the September 2009 data with the November 2008 data, the data indicated that all samples were below the criterion. After reviewing the data, NYSDEC concurred with the AECOM proposal to temporarily turn off the treatment system. The system was shut down in January 2010.

A final evaluation was conducted in March 2011. Six soil borings were advanced and subsurface soil samples were collected for analysis of VOCs, PLFA and methanotrophs. The results are discussed in this report.

2.5 Technology and Process Optimization

After reviewing the results of the first four sampling events, the existing system was modified in 2009 to better focus on the existing COCs and to optimize the system performance. Along with the modifications, continued operation of the system for an additional six month period was recommended. System modifications included the replacement of the two old compressor units with a rotary screw compressor and the elimination of the PHOSter™ aspect of the sparge technology. As previously discussed, the PHOSter™ technology was selected as an ideal technology for the remediation of chlorinated VOCs. However, based on the data collected in 2007, 2008 and 2009, chlorinated VOCs were no longer an issue at this site, indicating that the PHOSter™ application effectively achieved its goal. The existing data from the site indicated that by 2009, the primary COCs were limited to aromatic hydrocarbons (BTEX and trimethylbenzene compounds), which are readily biodegradable under standard aerobic conditions.

In consideration of this positive change in site conditions, remediation over the last operational period (2009 through 2010) focused on dissolved oxygen enrichment through biosparging to drive the aerobic degradation process. This was accomplished through the controlled injection of ambient air

into select wells using the same base equipment established for the PHOSter™ application. The primary technological change was the elimination of the gaseous nutrients (nitrous oxide, TEP and methane) that drove the cometabolic degradation process.

In addition to the technology modification, remediation during the most recent period of system operation focused strictly on the saturated zone (22-25 ft bgs) using select injection wells and biosparging to optimize dissolved oxygen concentrations in groundwater and facilitate aerobic biodegradation of the residual organic compounds. After the system modifications were completed in 2009, the system was operated with six sparge points: AS-2, AS-4, AS-5, AS-7, AS-8 and AS-10. The flow rate at each sparge point was set at 180 scfh. Performance of this optimization process was evaluated as part of the fifth monitoring event which occurred in September 2009 and is discussed the next section of this report.

3.0 Biosparge Performance Evaluation

Through the course of the six month biosparge operation period (March 2009 through September 2009) routine monitoring was conducted to ensure continual system operation and to optimize performance. Routine monitoring included the evaluation of system and well head pressures and the periodic collection of field data to evaluate dissolved oxygen (DO) and oxygen-reduction potential (ORP) conditions.

Following six additional months of active biosparge remediation, the same six sampling locations were targeted to evaluate the current conditions regarding the residual VOCs located in the shallow saturated zone. A total of six soil borings were advanced over a two day period (September 15 and 16, 2009) to collect soil samples from varying depths for laboratory analyses. A total of six soil borings were advanced and sampled for evaluation purposes (SMS-12, SMS-12B, SMS-16, SMS-16B, DW and DWB). Samples were collected from depths ranging from 16 to 31 ft bgs, with specific focus on the 22 – 25 ft bgs interval within the saturated zone. All six saturated zone soil samples were shipped to Mitkem Corporation for VOC analysis and Microbial Insights, Inc. for analysis of PLFA and methanotrophs. Although the PHOSter™ technology was no longer being utilized, the PLFA and methanotrophs analyses were continued to evaluate the relative change in biological characteristics.

3.1 Sample Numbers and Collection Points

The locations of the soil borings are shown on Figure 3 (Summary of VOCs in Soil). Boring logs are in Appendix B. The Form 1s from the Mitkem Laboratory data package are included in Appendix C. The Microbial Insights laboratory data package is included in Appendix D. Every effort was made to collect soil samples from the same intervals from which samples were collected during the previous sampling efforts. During the six rounds of soil sampling conducted since 2006, samples were at the capillary fringe/water table (19-20 ft bgs), the targeted zone containing elevated residual VOCs (22-25 ft bgs), and at the bottom of the soil boring (29-30 ft bgs), below the targeted treatment zone.

3.2 Data Interpretation and Evaluation

3.2.1 Bioremediation Process Description

As previously indicated, biosparging is designed to maximize oxygen transfer to groundwater, while minimizing contaminant volatilization, which is a primary focus of a standard air sparge application. The goal of biosparging is to optimize aerobic biodegradation conditions through the controlled injection of air into groundwater. For this site, the transfer of the adsorbed contaminants to the dissolved phase appears to be a slow process based on the low VOC concentrations in groundwater. Therefore, the most effective cleanup technology at this stage in the site cleanup continues to be *in situ* bioremediation. Several types of data are used to evaluate biodegradation with the two primary

data results being the microbial population and contaminant concentration, which are discussed in the following sections.

3.2.2 Microbial Data Results

Total biomass (PLFA) in soil was measured during each sampling event. The results are presented in Table 2. As shown on Table 2, there has not been a significant change in total biomass at any location (a significant change is defined as an order of magnitude increase or decrease in total biomass) during the six rounds of sampling collected between 2006 and 2011. During the six sampling events, the samples from the shallow saturated zone have all exhibited high biomass concentrations (greater than 10^7 cells per gram). The data also indicates that the change from PHOSter™ to biosparging had little effect on the existing biomass.

As shown on Table 1, the methanotrophs data indicate a significant change in population size from November 2008 to September 2009. The population size increased by one to two orders of magnitude in all six samples from 10^5 to 10^7 to 10^8 to 10^9 cells per gram over the previous three sampling events. The increase in methanotrophs is counter intuitive since methane is no longer being injected into the subsurface. The increase in population may be a result of anaerobic conditions existing below the water table despite the air injection.

3.2.3 Soil VOC Data Results

In August 2004 EPA advanced and sampled 24 soil borings using Geoprobe techniques at the locations shown on Figure 3. Based on results of these borings, EPA installed the PHOSter™ System in 2005 (trench outline shown on Figure 3). Since the system became operational, a total of six periodic sampling events have been conducted at the Site to document the effectiveness of the treatment system on subsurface soil conditions. During the first sampling event in June 2006, six soil borings were advanced adjacent to former borings (SMS-10, SMS-12, SMS-15, SMS-16, SMS-21 and DW). During the March 2007 sampling event, borings SMS-10, SMS-15 and SMS-21 were dropped from the sampling program and replaced with offsets SMS-12B, SMS-16B and DWB. These same six locations were subsequently sampled during the next four sampling events.

Table 3 presents a summary of the detected VOCs results for the six sampling events along with the NYSDEC unrestricted use Soil Cleanup Objectives (SCOs) (6 NYCRR Part 375 Table 375-6.8a) for individual contaminants. The unrestricted use criteria are the most stringent of the residential, protection of groundwater, and ecological SCOs as identified in Table 375-6.8(b). A screening criterion of 10,000 µg/kg is also used for total VOCs. The majority of the compounds detected are aromatics. These results are also summarized on Figure 3 (Summary of VOCs in Soil) and Figure 4 (Summary of BTEX in Soil). With the exception of one sample from boring DW (near the former dry well) during the June 2006 sampling event, no sample from outside the 22-25 ft bgs interval exceeded the 10,000 micrograms per kilogram (µg/kg) criterion. Consequently, in the following discussions, all referenced total VOC concentrations are from the 22-25 ft bgs interval unless otherwise noted.

During the June 2006 sampling event, six borings were installed and sampled. There were no exceedances noted at borings SMS-10, SMS-15 and SMS-21. At SMS-12, the highest total VOC concentration was 144,493 µg/kg. Total VOC concentrations from the other three borings (SMS-12, SMS-16 and DW) were all significantly above the criterion. The 19-20 ft bgs sample from boring DW also exceeded the criterion at 140,241 µg/kg.

For the March 2007 sampling event, six borings were advanced and sampled. Borings SMS-10, SMS-15 and SMS-21 were dropped from further sampling and replaced with off-set borings SMS-12B, SMS-16B and DWB. Only two exceedances were noted.

For the January 2008 sampling event, six borings were advanced and sampled. Four samples (SMS-12, SMS-12B, SMS-16 and SMS-16B) exceeded the criterion. Total VOC concentrations in these samples ranged from 13,338 µg/kg to 77,063 µg/kg.

Six borings were advanced and sampled during the November 2008 sampling event. Two samples (SMS-12 and SMS-16B) slightly exceeded the criterion. Total VOC concentrations in these two samples were 10,338 µg/kg and 11,207 µg/kg.

During the September 2009 sampling event, none of the samples exceeded the criterion.

The total VOC criterion of 10,000 µg/kg was exceeded in three of the 18 soil samples collected during the March 2011 sampling event. Total VOC concentrations in these three samples ranged from 13,160 µg/kg to 15,110 µg/kg.

In the two northernmost borings, SMS-12 and SMS-12B, the criterion was exceeded in SMS-12 with a total VOC concentration of 15,110 µg/kg, composed primarily of 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene and n-butylbenzene. However, no individual contaminant exceeded its criterion. At SMS-12B, the total VOC concentration was higher than in September 2009 but still significantly less than the criterion.

In the two borings nearest the former UST, SMS-16 and SMS-16B, the total VOC concentration at SMS-16 exceeded the criterion 13,180 µg/kg. However, no individual contaminant exceeded its criterion. The concentration from this interval had been below the criterion for the previous two sampling events.

In the two southernmost borings, DW and DWB, the total VOC concentration criterion was exceeded in DW, 13,730 µg/kg. Total xylenes also exceeded the criterion at a concentration of 2,800 µg/kg. There had not been an exceedance of the total VOC criterion in either of these two borings since the March 2007.

The pattern of exceedances noted during the latest sampling event is similar to those noted in earlier events where concentrations can vary significantly between rounds due to the heterogeneity of the

contamination in the 22 – 25 ft bgs interval. Small pockets of contaminated soils are still present at the Site.

3.2.4 Round 6 Soil VOC Data Validation (March 2011)

The Round 6 Soil VOC data (Sample Delivery Group [SDG] K0333) were validated by Analytical Assurance Associates (AAA) of Downingtown, PA, an independent third-party data validator under contract to AECOM. USEPA Region 2 SOP #HW-24 (revision 2; 2009), in conjunction with the requirements of the New York Analytical Services Protocol (ASP 2005), was used as the technical basis for the validation. The data validation report is provided in Appendix E and is summarized below.

The VOC data package was satisfactory. However, the coolers were not sealed.

All samples were received by the laboratory within 48 hours of collection and were analyzed on March 4, 2011, within 10 days of receipt at the laboratory.

No problems were detected with the GC/MS instrument tuning associated with the samples of this delivery group.

The validator noted minor issues associated with the initial calibration or continuing calibration for several compounds. The response factor (RF) for acetone and 2-butanone were less than the HW-24 criterion of 0.05; but exceeded the method-required RF of 0.01; therefore, data were not qualified for RF deviations. Relative standard deviation (RSD) criteria were met for all compounds in the initial calibration.

The percent difference (%D) criteria were not met in the continuing calibration for acetone, 2-hexanone, and 1,2-dibromo-3-chloropropane in the medium level analysis and for 2-hexanone and dichlorodifluoromethane in the low level analysis. The associated data are qualified as estimated (J for detected analytes, UJ for non-detects).

Recoveries of one or two of the four surrogate spike compounds were outside the control limits in six of the soil samples. Most of the surrogate recoveries were outside of the criteria due to high recoveries; the two low surrogate recoveries were marginal and the affect on data was minimal. A detailed assessment of each sample is presented in the data validation report. A summary of the samples affected and qualifiers applied, if any, is shown below.

Field Sample ID	Qualifier for ND results	Qualifier for detected results
DWB(23.5-24.5)	None	J
DW(19-20)	None	J
SMS-16B(23.5-24.5)	None	J
SMS-12(23.5-24.5)	None	J
SMS-12B(23.5-24.5)	None	J
DW(23.5-24.5)	UJ	J
SMS-16(23.5-24.5)	UJ	J

2-Hexanone (2.2 µg/g) was detected in the low level method blank, and 1,2,3-trichlorobenzene (100 µg/kg) was detected in the medium level method blank. The reported sample results for 2-hexanone were negated (flagged "U" at the reporting limit) as a probable laboratory artifact. 1,2,3-Trichlorobenzene was not detected in any sample and therefore no data were qualified.

All recoveries and retention times of the internal standards were within the required quality control limits.

No field duplicate pair was submitted or analyzed with the soil samples.

Site-specific MS/MSD analysis was not performed on a sample from this SDG. One set of laboratory control sample (LCS) and LCS duplicate (LCSD) analyses was performed for the low-level analysis as part of method QC. Recoveries and precision (as relative percent difference [RPD]) were acceptable for all analytes. One medium level LCS was also analyzed; recoveries were acceptable for all medium-level analytes except 1,2-dichloropropene, for which the recovery was slightly high. As 1,2-dichloropropene was not detected in any field sample, data were not qualified.

Four samples [SMS-12(23.5-24.5), SMS-12B (23.5-24.5), DW (23.5-24.5), and SMS-16(23.5-24.5)] were analyzed as medium-level analyses due to high levels of target compounds and background (probable hydrocarbon) contamination present on the chromatogram. (The medium level analysis is functionally equivalent to an approximately 50-fold dilution.) The remaining samples were analyzed as low-level analyses at one-fold dilutions.

3.3 Comparsion of Data from the Six Sampling Events

Table 3 presents a comparison of the VOCs results for the six sampling events (June 2006, March 2007, January 2008, November 2008, September 2009 and March 2011). The data is also summarized on Figure 3 (Summary of VOCs in Soil) and Figure 4 (Summary of BTEX in Soil). These data indicate a decreasing trend in the total VOCs concentrations in the soil at three locations as a result of ongoing remedial actions at the Site: SMS-12/SMS-12B, SMS-16/SMS-16B and DW/DWB.

During previous sampling rounds, contamination has, for the most part, been limited to the 22 to 25 ft bgs interval. The data indicated that residual soil contamination was limited to three isolated pockets: an area near the former drywell (borings DW and DWB); an area near the former UST (borings SMS-16 and SMS-16B; and an area north of the former UST (borings SMS-12 and SMS-12B). The total VOC concentrations are also depicted on the bar graph included as Figure 6. The general trend during the past six periodic sampling events has indicated decreasing total VOC concentrations in soil as a result of the remedial actions undertaken at the Site.

In the southern most area of DW/DWB, the total VOC concentration was as high as 181,540 µg/kg in March 2007. The total VOC concentration has been below the criterion at DWB during the four sampling events since that time with concentrations ranging from 146.6 µg/kg in March 2011 to 9,640 µg/kg in November 2008. At location DW, near the former dry well, the total VOC concentrations in three of four samples collected in June 2006 exceeded the criterion (26,284 µg/kg to 140,241 µg/kg). In the March 2007 sampling event, total VOC concentrations ranged from 2 µg/kg to 18 µg/kg. In January 2008, the highest VOC concentration was from the 24 to 25 ft bgs interval at 6,237 µg/kg. The samples collected in November 2008 and September 2009 were both below the criterion (7,384 µg/kg and 2,270 µg/kg). However, the total VOC concentration in the sample collected in March 2011 (13,730 µg/kg) exceeded the total VOC criterion. The only individual compound to exceed the soil cleanup criteria was total xylenes.

In the area of SMS-16/SMS-16B, the concentrations have generally been trending down since 2006. Total VOC concentrations at SMS-16B have shown a consistent decline since January 2008. At SMS-16, total VOC concentrations have shown a similar decline since June 2006. However, the most recent sample exceeded the criterion (13,160 µg/kg). No individual compounds exceeded soil cleanup criteria.

The northernmost area near SMS-12/SMS-12B has also exhibited a general downward trend in total VOC concentration since June 2006. Samples from SMS-12B have been below the criterion from the previous three sampling events (November 2008, September 2009 and March 2011). Samples from SMS-12 exhibited a steady decline from June 2006 through September 2009 when the total VOC concentration was below the criterion (5,740 µg/kg). However, the sample from the March 2011 sampling event was above the criterion (15,110 µg/kg). Only one individual compound, 1,2,4-trimethylbenzene, exceeded the criterion.

3.4 Summary of the Soil Data

As presented in this report, the conversion from a PHOSter™ application to a biosparge application, and the focused approach using select injection wells, resulted in the continual reduction in contaminant mass associated within the shallow saturated zone. The September 2009 results from all six sample locations showed no SCO exceedances. Specifically, no BTEX compounds were detected and total VOC concentrations were all below 10,000 µg/kg. However, during the most recent sampling event in March 2011, one sample from each of the three previously identified hot spots exceeded the total VOC criterion. As noted in previous soil sampling reports, the subsurface soil

contamination in the vicinity of the PHOSter™ system appears to be heterogeneous, with isolated pockets of residual contamination surrounded by zones of remediated soils.

4.0 Groundwater Sampling

In accordance with the June 2007 Sampling and Analysis Plan (Earth Tech, June 2007c) developed for the SMS Instruments Site, the sixth groundwater sampling event was conducted in March 2011. The first round of groundwater sampling was conducted in February 2006, under NYSDEC Work Assignment #D003821-41. The second round of groundwater sampling was conducted in September 2006 (under this work assignment). The third round of groundwater sampling was conducted in August 2007. The fourth round of sampling was conducted in November 2008. The fifth round of sampling was conducted in March 2010. The sixth round of groundwater sampling event occurred on February 28 through March 4, 2011. NYSDEC Monitoring Well Field Inspection logs were completed for each well and the forms for the 2011 event are presented in Appendix F. Groundwater Sampling Forms for the March 2011 sampling event is presented in Appendix G.

4.1 Field Activities

4.1.1 Elevation Survey

YEC, Inc. performed a survey of the wells at the Site to determine location and elevation as this data could not be located. The survey was performed on March 23, 2007. The survey data is presented in Table 4 along with pertinent well construction data.

4.1.2 Water Level Survey

At the start of each sampling effort, the depth to groundwater was measured in each well. These measurements are presented in Table 5. A groundwater contour map was prepared using the most recent groundwater elevation data (February 2011) and is presented in Figure 7. As shown on the figure, the direction of groundwater flow at the Site is to the south. The gradient, as measured between contour lines, is approximately 0.0017, a very shallow gradient. The contours and flow direction are similar to other sampling rounds. A hydrograph of the groundwater elevations collected since 2006 is shown on Figure 8. As depicted on this figure, the water table fluctuations are very consistent between wells. The recent low elevations noted during the March 2011 sampling event are most likely a result of the very cold winter and frozen ground which inhibited surface recharge.

4.1.3 Groundwater Sampling

Prior to sampling each well, the depth to water was measured using a water level indicator. Each monitoring well was purged of three well volumes with a submersible pump. The pump was decontaminated between each use by washing with Liquinox followed by a tap water rinse and a distilled water rinse.

After purging, temperature, conductivity, pH, and turbidity measurements were recorded on the field observation logs (Appendix G). Water samples were obtained with new dedicated Teflon bailers. All groundwater samples were collected in bottles provided by the laboratory. Samples were packed on ice, and submitted with a completed chain-of-custody to Mitkem Laboratories, Inc. (Warwick, RI). Each sample was analyzed for VOCs by SW-846 Method 8260B, semivolatile organic compounds (SVOCs) by Method 8270C, target analyte list (TAL) metals by Method 6010, and mercury by Method 7470.

Monitoring well locations are presented in Figure 2. A total of 19 monitoring wells were sampled during this sampling event (March 2011). The electric lines to the pumps in extraction wells EW-1 and EW-2 were disconnected during the building demolition in 2007 and no longer function; however, the pumps remain in the wells blocking access for sampling. MW-11 was not sampled during this field effort because new construction on the property in 2007 has obscured the location of the well.

4.2 Groundwater Sampling Results for Rounds 1 Through 6

The laboratory analytical results for the VOCs, SVOCs and TAL metals analyses are included as Tables 6, 7, and 8 of this report, respectively. In addition, the New York State Ambient Water Quality Standards and Guidance Values for groundwater are shown on each table. Any compound detected at a concentration at or above the applicable standard or guidance value is in bold/italics font. The laboratory data package for the most recent (March 2011) groundwater samples is provided in Appendix H.

4.2.1 Volatile Organic Compounds

VOCs results are shown on Table 6 of this report. The VOC results are also summarized on Figure 9.

No VOCs were detected in monitoring wells MW-5, MW-11 and MW-12 during sampling Rounds 1 through 6. A few VOCs have been sporadically detected in monitoring wells MW-2, MW-4, MW-8, MW-9, MW-13D, MW-14, MW-15, MW-16M, and MW-16S at concentrations below the criterion during Rounds 1 through 6. Five monitoring wells had one exceedance noted during Rounds 1 through 6 including MW-1, MW-6D, MW-7, MW-16D, and MW-17. The sporadic Round 5 reported low-concentration detections of chloromethane are not included in the discussion below; see note at the end of this section and a more detailed discussion in the Round 5 report (AECOM, 2010b; section 4.4.1).

During Round 2, hexachlorobutadiene was detected in three monitoring wells at concentrations that exceeded the Class GA criterion of 0.5 µg/L. These wells include MW-6D (2 µg/L), MW-16D (1 µg/L) and MW-17 (2 µg/L). Hexachlorobutadiene was not detected in any other sample during the six sampling events. No other VOCs were detected above the criterion in these three monitoring wells during any of the six sampling events.

In monitoring well MW-1, 1,1-dichloroethane was detected at a concentration of 14 µg/L during the February 2006 sampling which exceeded the Class GA criterion of 5 µg/L. During the September

2006 sampling event, 1,1-dichloroethane was detected at an estimated 4 µg/L and again at an estimated 1.5 µg/L in March 2011. 1,1-Dichloroethane was not detected during the August 2007, November 2008, and March 2010 sampling events. No other VOCs (other than chloromethane in Round 5) have been detected at MW-1.

Two exceedances have been noted at MW-3. Vinyl chloride was detected at a concentration of 8 µg/L which exceeded the Class GA criterion of 2 µg/L during the Round 3 sampling event but was not detected during any of the other five events. cis-1,2-Dichloroethene was detected at a concentration of 8 µ/L during the Round 3 sampling event which exceeded the criterion of 5 µg/L but was not detected during any other sampling round. PCE was detected below the criterion only during Round 4. No VOCs (other than chloromethane) were detected at MW-3 in Rounds 5 and 6. No other VOCs were detected at MW-3 during any of the six sampling events.

Several VOCs, mostly benzene derivatives, ethylbenzene and xylenes, have been detected at MW-6S during the six sampling events, some of which exceeded their respective criteria. Four compounds have exceeded the Class GA criterion during the six sampling rounds. Total xylenes were detected in four of six rounds at concentrations ranging from an estimated 4 µg/L to 10 µg/L (Class GA criterion of 5 µg/L). 1,3,5-Trimethylbenzene was detected in five of six rounds at concentrations ranging from an estimated 1.7 µg/L to 11 µg/L, two of which exceeded the Class GA criterion of 5 µg/L. 1,2,4-Trimethylbenzene was detected in four of six rounds at concentrations ranging from 5.1 µg/L to 21 µg/L, all of which exceeded the Class GA criterion of 5 µg/L. 1,4-Dichlorobenzene was detected in four of six sampling rounds at concentrations ranging from an estimated 2 µg/L to 4 µg/L, three of which exceeded the Class GA criterion of 3 µg/L. Six other VOCs were detected at various times at concentrations below their respective criterion during the five rounds. Since the PHOSter™ System was temporarily turned off in January 2010, it appears that there was some minor rebound in concentrations of a few compounds.

At MW-7, the concentration of 1,1-dichloroethane (Class GA criterion of 5 µg/L) had increased during each of the first three sampling events: 1 µg/L, 3 µg/L and 13 µg/L, respectively. During the November 2008 sampling event, the concentration decreased to an estimated 2.3 µg/L, was not detected during the March 2010 sampling event and was again detected in the March 2011 sampling event at an estimated 1.4 µg/L. 1,1,1-Trichloroethane had been detected below the criterion during the two of six sampling events. There have been no exceedances during the last three sampling rounds (2008 through 2011).

At MW-13, VOCs were either not detected or detected at concentrations below the criterion during sampling events 1 through 5. During event 6, TCE was detected at a concentration of 7.4 µg/L, which exceeded the 5 µg/L criterion. 1,4-Dichlorobenzene was detected at an estimated concentration of 4.6 µg/L which exceeded the 3 µg/L criterion.

In round 5, low-concentration detections (2.9 to 5.9 µg/L) of chloromethane were reported sporadically (nine of seventeen samples) in SDG J0398 groundwater samples analyzed by Mitkem. (Chloromethane was not detected in the three groundwater samples in the later SDG J0445.) This

compound was detected infrequently in previous rounds; its presence in Round 5 data may be an artifact (not representative of actual groundwater conditions), as discussed in greater detail in the Round 5 report (AECOM, 2010b; section 4.4.1).

4.2.2 Semivolatile Organic Compounds

SVOCs results are shown on Table 7 of this report. The SVOCs results are also summarized on Figure 9.

No SVOCs have been detected in monitoring wells MW-11, MW-13, and MW-16S during any of the six sampling events. A few SVOCs have been sporadically detected in monitoring wells MW-2, MW-3, MW-8, MW-9, MW-12, MW-13D, MW-14, MW-15 MW-16M, and MW-17 at concentrations below their respective Class GA criteria during the five sampling events.

Bis(2-ethylhexyl)phthalate (BEHP) was detected above the Class GA criterion of 5 µg/L in five wells (MW-1, MW-6S, MW-6D, MW-7 and MW-16D) during Round 1 (February 2006), and in two wells (MW-4 and MW-5) during Round 6 (March 2011). BEHP concentrations also exceeded the criterion at MW-6S during the Round 3 (August 2007) and Round 4 (November 2008) sampling events.

Several polynuclear aromatic hydrocarbons (PAHs) were detected in monitoring wells MW-6S and MW-6D during Round 1 (February 2006) at concentrations above their respective Class GA criteria. There have been no exceedances in MW-6D during the last five sampling rounds, although there were sporadic hits of several phthalates BEHP at concentrations below their respective criteria. The concentrations of several PAHs and phthalates continued to exceed their respective criteria at MW-6S through Rounds 2, 3 and 4. However, there were no exceedances of any SVOCs in MW-6S during Rounds 5 and 6.

4.2.3 TAL Metals

Results for all five rounds of TAL metals data are shown on Table 8 of this report. The metals data is also summarized on Figure 10. Exceedances of the Class GA criterion were noted for antimony, beryllium, cadmium, chromium, iron, lead, manganese, selenium, sodium, thallium and zinc.

Antimony - Class GA criterion of 3 µg/L

Round 1 - detected in 13 of 22 samples; three exceedances, maximum concentration of 4.7 µg/L in MW-4.

Round 2 - detected in 4 of 20 samples; no exceedances.

Round 3 - detected in all 19 samples; 16 exceedances, maximum concentration of 15.7 µg/L in MW-14.

Round 4 - not detected in any of the 19 samples.

Round 5 - detected in nine of 19 samples; 19 exceedances, maximum concentration of 11 µg/L in MW-17.

Round 6 - not detected in any of the 19 samples.

Beryllium - Class GA Criterion of 3 µg/L

Round 1 - detected in three of 22 samples; no exceedances.

Round 2 - detected in three of 20 samples, no exceedances.

Round 3 - detected in six of 19 samples; no exceedances.

Round 4 - detected in seven of 19 samples; one exceedance, 9.8 µg/L in MW-6S.

Round 5 - detected in 16 of 19 samples; once exceedance, 3.7 µg/L in MW-6S.

Round 6 – not detected in any of the 19 samples.

Cadmium - Class GA criterion of 5 µg/L

Round 1 - detected in 21 of 22 samples; four exceedances, maximum concentration of 72.8 µg/L in MW-13D.

Round 2 - detected in 19 of 20 samples; two exceedances, maximum concentration of 72.8 µg/L in MW-13D.

Round 3 - detected in 15 of 19 samples; three exceedances, maximum concentration of 65.5 µg/L in MW-13D.

Round 4 - detected in 18 of 19 samples; six exceedances, maximum concentration of 79 µg/L in MW-13D.

Round 5 - detected in 15 of 19 samples; four exceedances, maximum concentration of 58 µg/L in MW-13D.

Round 6 – detected in four of 19 samples; one exceedance, maximum concentration of 6.9 µg/L in MW-17.

Chromium - Class GA criterion of 50 µg/L

Round 1 - detected in all 22 samples; no exceedances.

Round 2 - detected in all 20 samples; two exceedances, maximum concentration of 275 µg/L in MW-15.

Round 3 - detected in all 19 samples; two exceedances, maximum concentration of 111 µg/L in MW-6S.

Round 4 - detected in all 19 samples; two exceedances, maximum concentration of 68.2 µg/L in MW-6S.

Round 5 - detected in all 19 samples; four exceedances, maximum concentration of 160 µg/L in MW-17.

Round 6 - detected in 16 of 19 samples; two exceedances, maximum concentration of 195 dg/L in MW-13D.

Iron - Class GA criterion of 300 µg/L

Round 1 - detected in all 22 samples; no exceedances, maximum concentration of 107,000 µg/L in MW-8.

Round 2 - detected in all 20 samples; 17 exceedances, maximum concentration of 60,300 µg/L in MW-7.

Round 3 - detected in all 19 samples; 15 exceedances, maximum concentration of 296,000 µg/L in MW-14.

Round 4 - detected in all 19 samples; 18 exceedances, maximum concentration of 65,100 µg/L in MW-14.

Round 5 - detected in all 19 samples; 19 exceedances, maximum concentration of 240,000 µg/L in MW-8.

Round 6 - detected in 18 of 19 samples; 15 exceedances, maximum concentration of 7,830 in MW-13.

Lead - Class GA criterion of 250 µg/L

Round 1 - detected in 21 of 22 samples; one exceedance, 135 µg/L in MW-2.

Round 2 - detected in 14 of 20 samples; one exceedance, 128 µg/L in MW-2.

Round 3 - detected in 14 of 19 samples; two exceedances, maximum concentration of 197 µg/L in MW-2.

Round 4 - detected in 17 of 19 samples; two exceedances, maximum concentration of 271 µg/L in MW-2.

Round 5 - detected in 15 of 19 samples; three exceedances, maximum concentration of 347 µg/L in MW-2.

Round 6 – not detected in any of the 19 samples.

Manganese - Class GA criterion of 300 µg/L

Round 1 - detected in all 22 samples; nine exceedances, maximum concentration of 869 µg/L in MW-6S.

Round 2 - detected in all 20 samples; seven exceedances, maximum concentration of 956 µg/L in MW-14.

Round 3 - detected in all 19 samples; 11 exceedances, maximum concentration of 1,290 µg/L in MW-14.

Round 4 - detected in all 19 samples; 12 exceedances, maximum concentration of 1,940 µg/L in MW-17.

Round 5 - detected in all 19 samples; 14 exceedances, maximum concentration of 2,600 µg/L in MW-17.

Round 6 - detected in 17 of 19 samples; four exceedances, maximum concentration of 8,160 in MW-17.

Selenium - Class GA Criterion of 10 µg/L

Round 1 - detected in 14 of 22 samples; one exceedance, 10 µg/L in MW-6D.

Round 2 - detected in 3 of 20 samples; no exceedances.

Round 3 - detected in all 19 samples; 15 exceedances, maximum concentration of 41.2 µg/L in MW-14.

Round 4 - detected in one of 19 samples; no exceedances.

Round 5 - detected in six of 19 samples; six exceedances, maximum concentration of 23.5 µg/L in MW-9.

Round 6 – not detected in any of the 19 samples.

Sodium - Class GA criterion of 20,000 µg/L

Round 1 - detected all 22 samples; three exceedances, maximum concentration of 28,400 µg/L in MW-1.

Round 2 - detected in all 20 samples; five exceedances, maximum concentration of 31,100 µg/L in MW-6D.

Round 3 - detected in all 19 samples; five exceedances, maximum concentration of 73,900 µg/L in MW-1.

Round 4 - detected in all 19 samples; five exceedances, maximum concentration of 32,200 µg/L in MW-1.

Round 5 - detected in all 19 samples; six exceedances, maximum concentration of 35,000 µg/L in MW-1.

Round 6 - detected in all 19 samples; nine exceedances, maximum concentration of 45,700 µg/L in MW-13D

Thallium - Class GA Criterion of 0.5 µg/L

Round 1 - detected in nine of 22 samples; nine exceedances, maximum concentration of 6.4 µg/L in MW-6S.

Round 2 - detected in six of 20 samples; six exceedances, maximum concentration of 4 µg/L in MW-13.

Round 3 - detected in 12 of 19 samples; 12 exceedances, maximum concentration of 64.8 µg/L in MW-14.

Round 4 – not detected in any of the 19 samples; (method detection limit [MDL] of 4.2 µg/L).

Round 5 – not detected in any of the 19 samples; (MDL of 5.7 µg/L).

Round 6 – not detected in any of the 19 samples; (MDL of 6.2 µg/L).

Zinc - Class GA criterion of 2,000 µg/L

Round 1 - detected all 22 samples; two exceedances, maximum concentration of 4,620 µg/L in MW-2.

Round 2 - detected in all 20 samples; one exceedance, maximum concentration of 2,720 µg/L in MW-2.

Round 3 - detected in all 19 samples; one exceedance, maximum concentration of 3,360 µg/L in MW-2.

Round 4 - detected in all 19 samples; one exceedance, maximum concentration of 4,230 µg/L in MW-2.

Round 5 - detected in all 19 samples; one exceedance, maximum concentration of 11,800 µg/L in MW-2.

Round 6 - detected in all 19 samples; no exceedances.

4.2.4 Round 6 Data Validation (March 2011)

In accordance with the project plans, data generated during the first five sampling events for this investigation were not subject to formal validation. However, AECOM's quality assurance officer (QAO) reviewed the data for reasonableness and the presence of any anomalies, including issues identified by the laboratory in the case narrative, and other items noted in review of shipping and handling documentation, inconsistencies with previous data, and review of the laboratory QA forms for the SDGs comprising the SMS data sets. The QAO also reviewed the field duplicate data. The issues identified by the QAO were documented in the final groundwater sampling event reports for each round.

The Round 6 groundwater data (SDG K0332) were validated by AAA of Downingtown, Pennsylvania an independent third-party data validator under contract to AECOM. USEPA Region 2 SOP #HW-24

(revision 2; 2009), in conjunction with the requirements of the New York Analytical Services Protocol (ASP 2005), was used as the technical basis for the validation VOC data; USEPA Region 2 SOP HW-22 (revision 4; 2009) was used for validation of semivolatile organics data; and USEPA Region 2 SOP #HW-2 (revision 13; 2006) was used for validation of the metals data. The data validation report for the groundwater data is provided in Appendix I and is summarized below.

4.2.4.1 Volatile Organic Compound

The VOC data used in this report were validated by AAA of Downingtown, Pennsylvania, an independent third-party data validator under contract to AECOM. USEPA Region 2 SOP #HW-24 (Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry, SW-846 Method 8260B; revision 2, 2009), in conjunction with the requirements of the New York Analytical Services Protocol (ASP 2005), was used as the technical basis for the validation of the groundwater VOC sample data.

The VOC data package was satisfactory. However, custody seals were not present on the coolers. Samples were delivered to the lab via a Mitkem courier.

All samples except samples from MW-1 and MW-9 were received by the laboratory within 24 hours of collection (March 2, 2011) and were analyzed within 10 days of receipt at the laboratory. Due to a field error, the cooler with the samples from MW-1 and MW-9 was shipped later, and the cooler was not received at the laboratory until five days after collection (on March 7). The cooler temperature was acceptable (3.7° C) and the samples were analyzed within 10 days of collection. Therefore, data quality was not adversely affected.

No problems were detected with the GC/MS instrument tuning associated with the samples of this delivery group. The recovery of one surrogate compound (dibromofluoromethane) slightly exceeded the 85% - 115% quality assurance limits in three samples, with a maximum recovery of 116%. Due to the minor nature of the exceedances, no data were qualified on this basis

The validator noted minor issues associated with the initial calibration or continuing calibration for several compounds. The response factor (RF) for acetone and 2-butanone were less than the HW-24 criterion of 0.05; but exceeded the method-required RF of 0.01; therefore, data were not qualified for RF deviations. The percent difference (%D) criteria were not met in the continuing calibration on March 8 for four compounds (iodomethane, 1,1-dichloropropene, trichloroethene, and 1,2-dibromo-3-chloropropene), and for two compounds in the March 10 continuing calibration (trichlorofluoromethane and acetone). The associated data are qualified as estimated (J for detected analytes, UJ for non-detects).

No target compounds were detected in the method blanks, trip blanks, and field blank.

All recoveries and retention times of the internal standards were within the required quality control limits.

One field duplicate pair was analyzed (MW-16/ Dupe). No target VOCs were detected in the sample and the duplicate.

Site-specific MS/MSD analysis was performed on sample MW-6S, and two laboratory control sample (LCS) and LCS duplicate (LCSD) analyses were also performed as part of method QC. Recoveries and precision (as relative percent difference [RPD]) were acceptable for all analytes except iodomethane, for which the recovery was slightly high. As iodomethane was not detected in any field samples, data were not qualified.

All samples were analyzed at a one-fold dilution (DF = 1X).

4.2.4.2 Semivolatile Organic Compounds

The SVOC data used in this report were validated by AAA of Downingtown, Pennsylvania, an independent third-party data validator under contract to AECOM. USEPA Region 2 SOP #HW-22 (Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8270D; revision 4, 2009), in conjunction with the requirements of the New York Analytical Services Protocol (ASP 2005), was used as the technical basis for the validation of the groundwater SVOC sample data.

The SVOC data package was satisfactory. However, custody seals were not present on the coolers. Samples were delivered to the laboratory via a Mitkem courier.

All samples except samples from MW-1 and MW-9 were received by the laboratory within 24 hours of collection (March 2, 2011) and were extracted within 10 days of receipt at the laboratory. Due to a field error, the cooler with the samples from MW-1 and MW-9 was shipped later, and the cooler was not received at the laboratory until five days after collection (on March 7). The cooler temperature was acceptable (3.7° C) and the samples were extracted within 10 days of collection. Therefore, data quality was not adversely affected.

No problems were detected with the GC/MS instrument tuning associated with the samples of this delivery group. All SVOC surrogate recoveries were within the quality assurance limits in all samples analyzed in this SDG.

The validator noted minor issues associated with the initial calibration or continuing calibration for several compounds. The response factors (RFs) for all SVOCs were within the control limits. However, the relative standard deviation (RSD) criterion for 2,4-dimethyl phenol slightly exceeded the limit in the initial calibration. The percent difference (%D) criteria were not met in one or more of the continuing calibrations for two compounds (dimethyl phenol and pentachlorophenol). These compounds were not detected in any of the SMS site samples. The associated non-detect data are qualified as estimated (UJ for non-detects).

Two common phthalate esters (diethyl phthalate and di-n-butyl phthalate) were detected in the method blanks (but not in the field blank) at low concentrations (5.5 and 2.3 µg/L, respectively). These

two phthalates were also detected at similar low concentrations in field samples. Due to probable laboratory contamination, the low-concentration data for these compounds have been negated (flagged "U" at the value of the reporting limit).

All recoveries and retention times of the internal standards were within the required quality control limits.

One field duplicate pair was analyzed (MW-16/ Dupe). No target VOCs were detected in the sample and the duplicate.

Site-specific MS/MSD analysis was performed on sample MW-6S, and one LCS and one LCS/LCSD analyses were also performed as part of method QC. The recovery of 4-chloroaniline was zero in the MS/MSD, and did not meet criteria in the LCS and LCSD. Therefore, all data for this compound (which was not detected in any sample) were rejected (flagged "R"). The recovery of 3,3'-dichlorobenzidine was low but greater than zero in the MS/MSD, but was within limits in the LCS and LCSD analysis. Therefore, the data for 3,3'-dichlorobenzidine (which was not detected in any sample) were flagged as estimated (UJ). Recoveries and precision (as RPD) were high for a few other compounds which were not detected in any of the field samples; as data quality was not impacted and data were not qualified for these compounds.

All samples were analyzed for SVOCs at a one-fold dilution (DF = 1X).

4.2.4.3 Metals

The metals data used in this report were validated by AAA of Downingtown, Pennsylvania, an independent third-party data validator under contract to AECOM. USEPA Region 2 SOP #HW-2 (Validation of Metals for the Contract Laboratory Program based on SOW ILM05.3, revision 13, 2006), in conjunction with the requirements of the New York Analytical Services Protocol (ASP 2005), was used as the technical basis for the validation of the groundwater metals sample data.

The metals data package was satisfactory. However, custody seals were not present on the coolers. Samples were delivered to the laboratory via a Mitkem courier.

All samples except samples from MW-1 and MW-9 were received by the laboratory within 24 hours of collection (March 2, 2011) and were analyzed within 10 days of receipt at the laboratory. Due to a field error, the cooler with the samples from MW-1 and MW-9 was shipped later, and was not received at the laboratory until five days after collection (on March 7). The cooler temperature was acceptable (3.7° C) and the samples were analyzed within the required holding times. Therefore, data quality was not adversely affected.

Initial and continuing calibrations were within control limits for all samples.

No metals were detected at concentrations greater than the allowable limits in preparation blanks, initial calibration blanks, or continuing calibration blanks.

Serial dilution and interference check sample analyses met applicable criteria.

MS and Matrix Duplicate (MD) analyses were performed on sample MW-6S. Recoveries were within the control limits (75 to 125%), and precision (RPD) was acceptable for all metals. (Sodium and potassium were not included in the MS or MD spiking solution.) The recoveries for all metals, including sodium and potassium, were within limits in the LCS.

One field duplicate pair was analyzed (MW-16M/Dupe). Precision, shown on Table 1 of the data validation report for K0332 (Appendix I), was very good, as the RPD was less than 10 percent for all seven metals for which it could be calculated.

Overall, metals data quality was good and no results were qualified (flagged "J", "UJ", or "R").

4.3 Summary of Groundwater Results

4.3.1 Summary of Volatile Organic Compounds in Groundwater

During the February 2006 sampling event (Round 1) there were only two VOCs exceedances: chlorobenzene at EW-1 and 1,1-dichloroethane at MW-1. EW-1 was not sampled during Round 2 (September 2006) or Round 3 (August 2007) due to problems with the pump, and was not sampled in Rounds 4, 5 or 6 as the pump electric lines were disconnected during the pump and treat dismantlement so there is not information for comparison. During Round 2, there were three compounds that exceeded the criterion – total xylenes at MW-6S, 1,2,4-trimethylbenzene at MW-6S, and hexachlorobutadiene at MW-6D, MW-16D and MW-17. During Round 3, exceedances were noted in three monitoring wells: MW-3, MW-6S and MW-7. During Round 4, there were three exceedances in monitoring well MW-6S; VOCs were either not detected or detected at concentrations below the criterion in the other 18 monitoring wells. In Round 5, none of the detected VOCs exceeded class GA criteria. In Round 6, there were three exceedances noted in monitoring well MW-6S and two exceedances in MW-13.

A summary of total VOCs is depicted on Figure 11. Each groundwater sampling event since 1994 is included in the figure. For each sampling event, the total VOC concentration in each monitoring well is graphically represented in the bars. The concentration for MW-1 is shown at the base of the bar; the concentration for MW-2 is then added to the bar, then MW-3 and so on until all 20 monitoring wells are shown with each well depicted by a different color. Each bar represents the total VOC concentration for the sampling event. As shown on the figure, the majority of the groundwater contamination at the Site has historically been present in MW-6S. The trendline depicts the overall decreasing concentrations of VOCs through time from the start of the GW P&T system to the most recent sampling event in March 2011.

Several VOCs, mostly aromatics, have been detected at MW-6S during all six sampling events. Four compounds, including 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, 1,4-dichlorobenzene and total xylenes exceeded the criterion during the six sampling events. The concentrations of 1,3,5-trimethylbenzene and 1,2,4-trimethylbenzene showed a steady increase during sampling events 1

through 4: 1,3,5-trimethylbenzene – ND, 3 µg/L, 5 µg/L, and 11 µg/L; and 1,2,4-trimethylbenzene – ND, 6 µg/L, 11 µg/L, and 21 µg/L. However, 1,2,4-trimethylbenzene was not detected in Round 5, and the concentration of 1,3,5-trimethylbenzene decreased to 1.7 µg/L. Both compounds increased in concentration during Round 6: the concentration of 1,3,5-trimethylbenzene remained below the criterion at 4.9 µg/L and the concentration of 1,2,4-trimethylbenzene exceeded the criterion at 5.1 µg/L.

Hexachlorobutadiene was not historically associated with the Site. Hexachlorobutadiene exceedances were noted at MW-6D, MW-16D and MW-17 during the September 2006 sampling event; however, it has not been detected in subsequent sampling events. The source of the hexachlorobutadiene is unknown and appears to have been an isolated occurrence.

Prior to Round 6, VOCs had not detected at MW-13 with the exception of a single detection of chlorobenzene in Round 2 that was below the criterion. During Round 6, 1,4-dichlorobenzene and TCE were detected above the criterion. Although 1,4-dichlorobenzene has exceeded the criterion in MW-6S, this compound has not been detected in any of the wells located between MW-6S and MW-13 (MW-15, MW-16S, MW-16M, MW-16D or MW-17) during any sampling event since 2006. TCE has not been detected any well sampled at SMS since 2006 (except for one hit in MW-4). Consequently, it is unlikely that the either of these two exceedances is Site-related.

No significant rebound of VOC concentrations has been noted in the six rounds of groundwater samples collected at the Site since the pump and treat system was shut down in October 2005 with the exception of the two trimethylbenzene compounds at MW-6S. In March 2010, there were no VOC exceedances noted in MW-6S. However, in the March 2011 sampling round, three compounds (total xylenes, 1,2,4-trimethylbenzene and 1,4-dichlorobenzene) slightly exceeded their respective Class GA criteria. This minor rebound in concentrations is most likely a result of the termination of the PHOSter™/biosparge system in January 2010.

4.3.2 Summary of Semivolatile Organic Compounds in Groundwater

During Round 1 there were several exceedances of SVOCs, most of which were in wells MW-6D and MW-6S. The six compounds which exceeded criteria in Round 1 at MW-6D were not detected during Rounds 2, 3, 4, 5 and 6. A few other SVOCs were detected at concentrations below their respective criterion during Rounds 2, 3 and 4.

Three SVOCs were detected at concentrations above the criterion during Round 1. During Round 2, only one SVOC was detected above the criterion.

Seven SVOCs were detected at concentrations above the criterion during Round 3. During Round 4, eight SVOCs were detected at concentrations above the criterion. Most of the exceedances were polynuclear aromatic hydrocarbons (PAHs) detected in MW-6S during round 1, 2, 3 and 4. SVOC contamination appears to be limited to MW-6S. No exceedances were noted during Round 5; the only detected SVOCs were low concentrations (less than 3 µg/L) of BEHP and 2-methylphenol.

During Round 6, BEHP was detected above the criterion in MW-4 and MW-5. These sporadic hits do not appear to be Site related.

4.3.3 Summary of TAL Metals in Groundwater

Eleven metals have been detected at concentrations that exceed the criterion including antimony, beryllium, cadmium, chromium, iron, lead, manganese, selenium, sodium, thallium, and zinc.

Antimony exceedances have varied greatly between sampling events with the majority of exceedances occurring in Round 3 (16 exceedances); however, these exceedances have not been replicated in the other five sampling events, although there was an uptick in Round 5 (nine exceedances). Similarly, selenium concentrations peaked during Round 3 (15 exceedances) but were not replicated in Round 1, 2, 4 and 6; six exceedances were reported in Round 5. Consequently, the presence of antimony and selenium do not appear to be site related. Beryllium has only exceeded the criterion twice in six sampling rounds (both times at MW-6S) and does not appear to be an issue at the Site. The presence of iron, manganese and sodium in groundwater are most likely related to background conditions on Long Island and do not appear to be Site related.

Cadmium exceedances appear to be localized and are present in monitoring wells MW-5, MW-13D, MW-16S and MW-16D (three or more exceedances noted in each well during the six sampling rounds). Chromium exceedances are limited to monitoring wells MW-6S and MW-16S (three or more exceedances noted). Lead exceedances are limited to monitoring wells MW-2 and MW-6S. Zinc exceedances have been noted in five of six sampling events at MW-2 and once at MW-6S (Round 1).

Although thallium concentrations have exceeded the criterion in numerous samples, the exceedances have for the most part not been replicated from one sampling event to the next. The exception has been at monitoring wells MW-6S (exceedances noted in events 1, 2 and 3) and MW-13 (exceedances noted in events 1, 2, 3 and 5). However, thallium was not been detected in any of the groundwater samples collected in Round 4 or Round 6.

5.0 Air Sampling

5.1 Field Activities

Two rounds of sub-slab and indoor air samples were collected at the SMS Instruments Site. The first sampling event was conducted in February 2010. During the 2010 sampling event, two sub-slab and co-located indoor air samples were collected from the southeast corner of the SMS facility and an outdoor air sample was collected from southeast corner of the property. Sampling locations are shown on Figure 13.

The second sampling event occurred in March 2011. Sampling locations are shown on Figure 13. Three sub-slab and co-located indoor air samples were collected from inside the SMS Building. One sub-slab and co-located indoor air sample was collected from inside the Granite.com Building located to the south of the SMS property. Two soil gas samples were collected from soil borings installed adjacent to the SMS Building. An outdoor ambient air sample was also collected to the northeast of the SMS Building.

5.1.1 Pre-Sampling Building Survey

A pre-sampling building survey was performed prior to each sampling event in accordance with the New York State Department of Occupational Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York (SVI Guidance) (NYSDOH, 2006). The focus of the pre-sampling building surveys was to select sampling locations, identify chemical usage, and to identify and minimize conditions that may interfere with the proposed testing. The surveys evaluated the type of structures, floor layouts, air flows, and physical conditions. The SMS property is occupied by a one-story building that has been subdivided into two sections. On the southern side of the building, 120 Marcus Boulevard is a commercial warehouse for furniture, along with an office. The northern side of the building, 210 Marcus Boulevard is a beverage distributer. The building is approximately 40 years old and has several loading docks. The building is heated by hot air circulation and electric baseboard is used in the office. The primary type of fuel is natural gas. The hot water tank runs on electricity. The photoionization detector (PID) readings in the building were 0.0 parts per million (ppm). The Granite.com Building is located directly south of the site. It is a one-story building currently used as a warehouse and storefront for granite and stone. The building is approximately 40 years old and has several loading docks. The building is heated by hot air circulation and electric baseboards. The primary type of fuel is natural gas. The photoionization detector (PID) readings in the building were 0.0 to 0.2 ppm.

A product inventory was conducted during the pre-sampling building surveys of each facility to identify chemicals and products that may bias sampling results. In addition, the presence and description of odors and portable vapor monitoring equipment readings (e.g., PID readings) were recorded. In

addition to readings within the building, PID readings were taken outdoors to establish typical background, or ambient values. Background (outdoor) readings were 0.1 ppm.

Based on the findings of these surveys and with direction from the NYSDEC, AECOM selected the sampling locations. Information obtained during the pre-sampling building surveys, including information on sources of potential indoor air contamination, was documented on the NYSDOH Indoor Air Quality Questionnaire and Building Inventory Form. The building survey forms for the 2011 sampling event are included in Appendix J.

5.1.2 Sampling Locations

Based on the observations made during the pre-sampling building surveys and with direction from NYSDEC, AECOM identified locations for the collection of the sub-slab vapor, indoor air, and outdoor ambient air and soil gas samples. Indoor air sampling locations were selected primarily in areas routinely occupied by the employees, while sub-slab vapor sampling locations were selected to provide coverage of the presumed lateral extent of the soil vapor plume. A summary of sample locations and the rationale for selection is provided in Table 9. The 2011 sample locations are shown on Figure 13.

The first round of sampling at the SMS facility was conducted on February 24, 2010. Two sub-slab samples (SS-01 and SS-02) were collected from the southeast corner of the building. One indoor air sample and one duplicate indoor air sample (IA-01 and IA-51) were located in between the sub-slab samples. An outdoor air sample (OA-01) was collected from the parking lot southeast of the building. Sampling locations are summarized on Table 9.

The second round of sampling at the SMS facility and the adjacent Granite.com Building was conducted on March 12, 2011. Three sub-slab samples (B1-SS1, B1-SS2 and B2-SS1) were collected from inside the SMS Building. Co-located indoor air samples (B1-IA1, B1-IA2, B2-IA1 and one duplicate indoor air sample (B1-dup, duplicate of B1-IA1) were also collected. An outdoor air sample (AA1) was collected from the parking lot to the northeast of the SMS Building. One subslab sample and co-located indoor air sample (B3-SS1 and B3-IA1) were collected from inside the Granite.com Building. Two soil vapor samples were collected from soil borings advanced to a depth of 5 ft bgs to the west and northwest of the SMS Building. Sampling locations are summarized on Table 9. A copy of the Summa canister sampling field data sheet is included in Appendix K.

5.1.3 Sub-slab Soil Gas Sample Collection

AECOM personnel installed temporary probes to collect sub-slab soil gas samples. As specified in the approved Work Plan, a hand operated electric drill was utilized to make a 1-inch diameter hole through concrete slab. The drill bit was advanced approximately 2 inches into the sub slab material at each location to create an open cavity. A Teflon-lined polyethylene tube was then inserted into the hole. The annulus around the tube was sealed with plumber's putty to the top of the cement slab. The sampling probe was then sealed to the floor with beeswax, a non-VOC containing and non-shrinking product.

After installation of the probe, the tubing was connected to a purge device, and up to one liter (approximately three times the volume of air in the tubing and probe) of sub-slab vapor was purged at a rate less than 200 milliliters per minute (mL/min). Tracer gas testing was performed using helium to insure the integrity of the seal. Once purging was completed, the sampling tube was connected to a 6-liter stainless steel certified clean Summa canister equipped with a pre-set regulator designed to sample for a 24-hour period (4.2 mL/min). A log and a field notebook were used to record sample identification, sampling media identification, date and time of sample collection, identity of sampling technicians, sampling methods and devices, and vacuum of canisters before and after samples were collected. The Summa canister sampling sheets are provided in Appendix K. After setup was complete, samples were drawn concurrently with indoor and outdoor air samples at each property. At the completion of the sampling, all holes were patched and restored to pre-sampling conditions.

5.1.4 Indoor Air Sample Collection

For the indoor air sampling program, indoor air samples were collected in the breathing zone (4 to 6 ft off ground). A flow regulator was connected to a 6-liter (6-L) stainless steel clean-certified Summa canister equipped with a pre-set regulator designed to sample for 24 hours (4.2 mL/min).

5.1.5 Outdoor Air Sample Collection

For the outdoor air sampling program, the locations of the samples collected in 2010 and 2011 were selected such that they were removed from outdoor operations that are known to generate VOCs (e.g., loading dock, parking lot). Outdoor ambient air samples were collected by placing the Summa canister in the breathing zone (4 to 6 ft off ground). The flow regulator was connected to a 6-L stainless steel clean-certified Summa canister equipped with a pre-set regulator designed to sample for a 24-hour period (4.2 mL/min).

5.1.6 Soil Vapor Sample Collection

A Geoprobe rig was used to advance two soil borings for the purpose of collecting soil vapor samples. The locations of the two borings are shown on Figure 11. The borings were advanced to 5 ft bgs. Soil vapor samples were collected through the sampling rods. A stainless steel screen was attached to dedicated Teflon tubing and the borehole was backfilled with glass beads to a minimum of six inches above the screened interval. Bentonite slurry was then placed above the glass beads to the ground surface. The bentonite was allowed to set for at least 24 hours prior to purging and sampling. Approximately two to three probe volumes were purged at a flow rate less than 0.2 liters per minute. Leak testing was performed with helium as a tracer gas to verify that the ambient air was not being drawn into the sample canister. The tubing was connected to 6-L stainless steel clean-certified Summa canisters equipped with a pre-set regulator designed to sample for a 2-hour period. Upon completion of the sampling, the sample tubing was removed and the locations were restored to their original conditions.

5.1.7 Analytical Methodology

The Summa canisters were retrieved at the completion of the sampling intervals or before the internal pressure was greater -2 inches of mercury. Spectrum Analytical Inc. of Agawam, MA, a NYSDOH Environmental Laboratory Accreditation Program (ELAP) certified laboratory (#11522), analyzed the samples for low-level VOCs using EPA Method TO-15 with selected ion monitoring (SIM) to achieve the necessary sensitivity. Evaluation of TCE, vinyl chloride, and carbon tetrachloride against the evaluation criteria in Soil Vapor/Indoor Air Matrix 1 (NYSDOH, 2006) requires an analytical sensitivity of less than 0.25 micrograms per cubic meter ($\mu g/m^3$). The Summa canisters were certified clean (batch certification) by the laboratory. The laboratory report and methodology comply with the NYSDEC/NYSDOH requirements.

Site-specific quality control (QC) included submission a site-specific field duplicate pair during each sampling event (co-located indoor air samples in 2010, IA-01 and IA-51 and in 2011 B1-IA1 and B1-DUP). In addition, the laboratory performed batch QC as required by the method. Third party data review was also performed and documented in a Data Usability Summary Report (see discussion of results in Section 5.2.2 below).

5.2 Analytical Results

Soil vapor samples, indoor air samples, and outdoor air samples were analyzed by Spectrum Analytical Inc., for VOCs by USEPA method TO-15. The laboratory analytical results are presented for: SMS are in Table 10, for Granite.com in Table 11 and ambient outdoor samples in Table 12. The results are summarized on Figure 13. The laboratory data package for the most recent sampling is included in Appendix L.

Based on the analytical results, several VOCs were detected in the indoor air, outdoor air, and sub-slab vapor samples. Detected VOCs included petroleum-related compounds (e.g., toluene, xylene, trimethylbenzenes), chlorinated compounds (e.g., TCE), alcohols (e.g., ethanol, isopropyl alcohol), and others (ketones, Freons, and miscellaneous compounds). Several compounds were detected in undiluted samples exceeding the calibration range; such samples were diluted and reanalyzed for the exceeding compounds. Results were compared to the NYSDOH Soil Vapor/Indoor Air Matrices (NYSDOH 2006; Section 3.4, Decision Matrices) and the air guideline values in Table 3.1. Copies of the two Decision Matrices and Table 3.1 are included in Appendix M. Five compounds (methylene chloride, polychlorinated biphenyls, tetrachlorodibenzo-p-dioxin equivalents, PCE, and trichloroethene) are listed on Table 3.1 as having air guideline values. Of these five compounds, only three were detected in the ambient air samples collected at the Site. Methylene chloride was detected in the indoor and outdoor ambient air samples at concentrations ranging from 0.28 $\mu g/m^3$ and 7.6 $\mu g/m^3$, significantly below the guideline value of 60 $\mu g/m^3$. PCE and TCE were detected in some of the indoor air samples from both of the buildings. Neither PCE nor TCE were detected in the outdoor air samples. PCE was detected in the indoor air samples at concentrations ranging from 1.08 to 27.46 $\mu g/m^3$, which is less than the guideline value of 100 $\mu g/m^3$. TCE was detected in the indoor air sample collected at the SMS Building and was not detected in the indoor air of the Granite.com Building.

Detected TCE concentrations ranged from 0.43 µg/m^3 in 2011 to 3.28 µg/m^3 in 2010, which is less than the guideline value of 5 µg/m^3.

5.2.1 SMS Building

In the samples collected in 2010 only two compounds (PCE and TCE) were detected among the seven compounds with criteria in the NYSDOH decision matrices in the 2006 SVI guidance (with June 2007 update). PCE was detected in one of the sub-slab samples (SS-01) at a concentration of 86.8 µg/m^3. PCE was not detected in the other sub-slab sample (SS-02). TCE was not detected in either of the sub-slab samples. PCE was not detected in the indoor air samples. TCE was detected in the indoor air sample (IA-01) and it's duplicate (IA-51) at concentrations of 3.28 and 3.12 µg/m^3 respectively. TCE and PCE were not detected in the outdoor air sample (OA-01). As shown in Table 10, several other VOCs also were detected in the sub-slab samples and the indoor air samples. Most notably toluene and xylene were detected in both the sub-slab and indoor air samples.

In the samples collected in 2011, four of the seven compounds were detected in either the indoor air or the sub-slab soil vapor. The results from 2011 are summarized by compound below.

- 1,1,1-Trichloroethane (1,1,1-TCA) was not detected in the indoor air but was detected in two of the three sub-slab samples at concentrations of 1.64 and 4.58 µg/m^3. 1,1,1-TCA was also detected in one of the soil gas samples at 0.6 µg/m^3 (not detected at 0.87 µg/m^3 in the other).

- Carbon tetrachloride was detected in all four of the indoor air samples at concentrations ranging from 0.44 to 0.5 µg/m^3. It was not detected in two of the sub-slab samples with detection limits of 1.11 µg/m^3, but was detected in the third at 0.75 µg/m^3. Carbon tetrachloride was detected in one of the soil gas samples at a concentration of 0.5 µg/m^3 (not detected at 1.11 µg/m^3 in the other) and in the outdoor ambient air sample at 0.38 µg/m^3.

- PCE was detected in all the samples except for the outdoor air. The sub-slab concentrations ranged from 5.0 µg/m^3 on the north side of the building to 75 and 126 µg/m^3 on the south side of the building. The indoor air sample collected on the north side of the building had a concentration of 27 µg/m^3 and the samples on the south side had concentration ranging from 1.1 to 3.9 µg/m^3. The soil gas samples outside the building had concentrations of 1.29 and 2.37 µg/m^3.

- TCE was detected in one of the indoor air samples (0.43 µg/m^3) on the south side of the building and in one of the indoor air samples (0.48 µg/m^3) on the north side of the building. TCE was also detected in one of the soil gas samples at 0.43 µg/m^3. TCE was not detected in any of other samples on the SMS property.

- Vinyl chloride, 1,1-dichloroethene, and cis-1,2-dichloroethene were not detected in any of the SMS Building samples in the 2011 event.

Since the concentrations in the sub-slab samples are less than 5 µg/m^3 for TCE and carbon tetrachloride are less than 100 µg/m^3 for 1,1,1,-TCA, the recommended actions for these compounds is "No further action" or "Take reasonable and practical actions to identify source(s) and reduce exposure." Although one of the three sub-slab soil vapor samples had a PCE concentration of 126 µg/m^3, the other sub-slab detections of PCE were lower. Based on the overall evaluation of the soil vapor intrusion data and in combination with the remedial actions conducted at the site, no actions are needed to address exposures associated with soil vapor intrusion at the SMS building.

5.2.2 Granite.com Building

In the samples collected in the Granite.com Building only two compounds (carbon tetrachloride and PCE) were detected among the seven compounds with criteria in the NYSDOH decision matrices in the 2006 SVI guidance (with June 2007 update). Carbon tetrachloride was detected in both the sub-slab air (0.31 µg/m^3) and indoor air (0.5 µg/m^3) samples and in the outdoor ambient air sample at 0.38 µg/m3. PCE was detected sub-slab sample at a concentration of 5.2 µg/m3 and in the indoor air sample at 1.6 µg/m3. PCE was not detected in the outdoor ambient air sample.

Since the concentrations in the sub-slab samples have values less than 5 µg/m^3 for TCE and carbon tetrachloride and less than 100 µg/m^3 for PCE and 1,1,1,-TCA the recommended actions for these compounds is "No further action" or "Take reasonable and practical actions to identify source(s) and reduce exposure."

5.2.3 Air Sample Data Validation

The 2011 air data used in this report and summarized in Tables 11 and 13 has been validated by AAA of Downingtown, PA, an independent third-party data validator under contract to AECOM (the 2010 air data was not validated) . USEPA Region 2 SOP #HW-31 (Validating Air Samples – Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; revision 4, 2009), in conjunction with the requirements of the New York Analytical Services Protocol (ASP 2005), was used as the technical basis for the validation of the air sample data. The data validation report for the air samples is provided in Appendix N and summarized below.

The validator noted that the laboratory did not initially provide the required Category B deliverable for the air data. It was also noted that the resubmission was not well organized and there were still some items missing. However, the validator was able to obtain the technical data needed to perform the review from other documentation within the report.

All samples were received by the laboratory within 24 hours of the end of the collection period and were analyzed within 10 days of receipt at the laboratory.

No problems were detected with the GC/MS instrument tuning associated with the samples of this delivery group. All surrogate compound recoveries were within the 70% - 130% quality assurance limits.

The validator noted minor issues associated with the initial calibration or continuing calibration for several compounds. The data for these parameters in the associated field samples are flagged as estimated (J for detected analytes, UJ for non-detects). Analytes which did not meet calibration criteria include: 2-hexanone, carbon disulfide, 1,1-dichloroethene, methylene chloride, and benzyl chloride. The criteria exceedances in the initial calibration of 2-hexanone and carbon disulfide were considered minor and data for those compounds were not qualified. The data for the compounds with percent difference (%D) outside of the control limits in the continuing calibration (1,1-dichloroethene, methylene chloride, and benzyl chloride) were flagged with the “J” or “UJ” qualifier in the corresponding samples and are estimated values.

All relative response factors (RRFs) were greater than the required limits.

Three laboratory control samples (LCSs) were analyzed along with the SMS samples. The laboratory-reported recovery of benzyl chloride (143%) was above the 130% quality control limit in the LCS analyzed on March 8 and the recoveries of 1,2,-4 trichlorobenzene (132%) 2-hexanone (133%) exceeded the quality control limits in the LCS analyzed on March 10, 2011. . None of the compounds with high recoveries were detected in any of the samples. The data were not qualified since high recoveries do not affect undetected data.

No target compounds were detected in the method blanks.

All recoveries and retention times of the internal standards were within the required quality control limits (60% - 140%).

Samples identified as “Air” (as opposed to “soil gas”) were analyzed by TO-15 Low in order to meet NYSDOH Vapor Intrusion Guidance (NYSDOH) Matrix 1 compound detection limits (0.25 µg/m^3) for indoor air samples. The indoor air samples were also analyzed by standard TO-15 (effectively, a 5-fold dilution) in order to quantitate ethanol within the calibrated range. The outdoor (ambient air) sample (AA1-030211) was analyzed only by TO-15 Low, as no target VOCs were detected at concentrations exceeding the low-level calibration range.

The samples identified as “soil gas” were analyzed by standard TO-15 at a dilution factor of 1, except B2-SS1-030211 was analyzed at a dilution factor of 2.

No other problems were found with any of the SMS sample data.

One SMS site-specific field duplicate pair (B1-IA1-030211 / B1-Dup-030211) was analyzed as part of the samples submitted and analyzed under this SDG. The field duplicate results are provided in Table 1 of the data validation report for K0336 (see Appendix N). Precision, as measured by relative

percent difference (RPD), was generally good for the 17 detected compounds for which it could be calculated. RPDs were less than 20 percent for 12 analytes; between 20 and 50 percent for four analytes, and greater than 50 percent for one analyte (61 percent for tetrachloroethene).

6.0 Conclusions and Recommendations

6.1 Conclusions

Since the shutdown of the GW P&T system in 2005, there has been no significant rebound in groundwater contaminant concentrations.

As presented in the Final PHOSter™ System Soil Sampling Report (September 2009 Sampling Event) (AECOM 2010a) report and summarized in this report, the conversion from a PHOSter™ application to a biosparge application, and the focused approach using select injection wells, has resulted in the continual reduction in contaminant mass associated within the shallow saturated zone. The September 2009 results from all six sample locations showed no SCO exceedances; specifically, no BTEX compounds were detected and total VOC concentrations were all below 10,000 µg/kg. Overall reductions of greater than 95 percent have been realized over the past five soil sampling events. Three exceedances were noted in the March 2011 soil sampling event indicating the continuing presence of heterogeneous soil conditions at the Site with isolated pockets of contaminated soils surrounded by remediated soils.

Nine of the ten long-term groundwater monitoring wells have not had any exceedances of site-related COCs over the past four sampling rounds. The only well with minor exceedances was MW-6S.

Concentrations of carbon tetrachloride, 1,1,1-TCA and TCE were detected in air samples from the SMS Building but at levels where no further action was recommended. PCE was detected at concentrations in the indoor air at levels that are generally consistent with those typically found in most homes and businesses. Based on a review of all environmental data (sub-slab, indoor air data, and groundwater), and in conjunction with the remedial actions conducted at the site, no further action was necessary. Air samples from the Granite.com Building indicated no further action was necessary.

6.2 Recommendations

Unless the biosparge system is reactivated, AECOM recommends no further soil sampling associated with the treatment system. The system will be dismantled and removed from the Site.

Given that nine of the ten long-term groundwater monitoring locations have not had any exceedances of COCs over the past four sampling rounds, periodic groundwater sampling should be terminated.

Sub-slab and indoor air samples from the furniture storage side of the SMS Building indicated that no further action was necessary. On the beverage side of the SMS Building, sub-slab and indoor air sample results indicated that no further action was necessary for 1,1,1-TCA, carbon tetrachloride and TCE. The results for PCE on the beverage side of the SMS Building indicated that reasonable and

practical actions should be taken to identify the source(s) and reduce exposure. The results from the Granite.com Building indicated that no further action was necessary.

7.0 References

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Tables

TABLE 1
MULTI SITE G - SMS INSTRUMENTS (SITE # 1-52-026)
PHOSTER SYSTEM SOIL SAMPLING
SUMMARY OF METHANOTROPHS DATA (2006, 2007 2008, 2009 AND 2011)

Boring Location	SMS-12	SMS-12	SMS-16	DW	DW	SMS-10
Sample ID	SMS-SB12-16-17	SMS-SB12-29-30	SMS-SB16-19-20	SMS-DW-19-20	SMS-DW-30-31	SMS-SB10-18-19
Sample Date	6/28/06	6/28/06	6/29/06	6/28/06	June 2006	6/28/06
Sample Depth (ft bgs)	16 - 17	29 - 30	19 - 20	19 - 20	30 - 31	18 - 19
Methanotrophs (total)	3.20E+07	7.37E+06	5.07E+06	2.90E+08	8.49E+05	3.77E+08
Type I MOB	1.56E+07	7.45E+05	1.46E+05	7.28E+07	2.52E+05	2.07E+08
Type II MOB	1.65E+07	6.62E+06	4.92E+06	2.17E+08	5.97E+05	1.70E+08

Boring Location	SMS-15	SMS-21
Sample ID	SMS-SB15-27-28	SMS-SB21-22-23
Sample Date	6/29/06	6/28/06
Sample Depth (ft bgs)	27 - 28	22 - 23
Methanotrophs (total)	7.27E+04	2.31E+08
Type I MOB	1.27E+04	1.26E+08
Type II MOB	6.00E+04	1.05E+08

Boring Location	SMS-12	SMS-12B	SMS-16	SMS-16B	DW	DWB
Sample ID	SMS12235245	SMS12B235245	SMSSB16225235	SMSSB16B225235	SMSDW2425	SMSDWB2425
Sample Date	3/22/07	3/22/07	3/22/07	3/22/07	3/23/07	3/23/07
Sample Depth (ft bgs)	23.5 - 24.5	23.5 - 24.5	22.5 - 23.5	22.5 - 23.5	24 - 25	24 - 25
Methanotrophs (total)	2.65E+10	1.56E+10	4.67E+10	9.16E+10	7.57E+10	3.41E+10
Type I MOB	7.55E+08	8.91E+08	1.17E+10	6.20E+09	5.95E+09	3.31E+09
Type II MOB	2.58E+10	1.47E+10	4.55E+10	5.84E+10	6.97E+10	3.08E+10

Boring Location	SMS-12	SMS-12B	SMS-16	SMS-16B	DW	DWB
Sample ID	SMS12235245	SMS12B235245	SMSSB16225235	SMSSB16B225235	SMSDW2425	SMSDWB2425
Sample Date	1/16/08	1/16/08	1/16/08	1/16/08	1/17/08	1/17/08
Sample Depth (ft bgs)	23.5 - 24.5	23.5 - 24.5	22.5 - 23.5	22.5-23.5	24 - 25	24 - 25
Methanotrophs (total)	2.31E+05	2.95E+07	2.65E+07	8.57E+06	1.28E+08	1.06E+08
Type I MOB	1.15E+05	1.59E+06	1.11E+06	6.88E+05	2.60E+06	2.75E+06
Type II MOB	1.15E+05	2.79E+07	2.54E+07	7.88E+06	1.26E+08	1.03E+08

Boring Location	SMS-12	SMS-12B	SMS-16	SMS-16B	DW	DWB
Sample ID	12 23.5-24.5	12B 23.5-24.5	16 23.5-24.5	16B 23.5-24.5	DW 23.5-24.5	DWB 23.5-24.5
Sample Date	11/18/08	11/18/08	11/18/08	11/18/08	11/19/08	1/17/08
Sample Depth (ft bgs)	23.5 - 24.5	23.5 - 24.5	23.5 - 24.5	23.5 - 24.5	23.5 - 24.5	23.5 - 24.5
Methanotrophs (total)	3.51E+06	5.95E+06	9.56E+06	1.66E+07	5.51E+07	1.27E+08
Type I MOB	7.85E+05	9.00E+05	6.14E+05	7.09E+06	9.52E+06	3.77E+07
Type II MOB	2.72E+06	5.05E+06	8.95E+06	9.55E+06	4.55E+07	8.83E+07

Boring Location	SMS-12	SMS-12B	SMS-16	SMS-16B	DW	DWB
Sample ID	12 23.5-24.5	12B 23.5-24.5	16 23.5-24.5	16B 23.5-24.5	DW 23.5-24.5	DWB 23.5-24.5
Sample Date	9/15/09	9/15/09	9/15/09	9/15/09	9/16/09	9/16/09
Sample Depth (ft bgs)	23.5 - 24.5	23.5 - 24.5	23.5 - 24.5	23.5 - 24.5	23.5 - 24.5	23.5 - 24.5
Methanotrophs (total)	9.04E+08	8.43E+08	1.28E+09	8.49E+08	1.29E+09	1.20E+09

Boring Location	SMS-12	SMS-12B	SMS-16	SMS-16B	DW	DWB
Sample ID	SMS-12(22-25)	SMS-12B(22-25)	SMS-16(22-25)	16B 23.5-24.5	DW 23.5-24.5	DWB 23.5-24.5
Sample Date	3/1/11	3/1/11	3/2/11	3/2/11	3/1/11	3/1/11
Sample Depth (ft bgs)	22 - 25	22 - 25	22 - 25	22 - 25	22 - 25	22 - 25
Methanotrophs (total)	5.83E+08	1.49E+09	1.69E+09	6.40E+08	2.04E+09	5.76E+08

All sample units in cells/gram
Type I and II MOB data was not determined for the September 2009 or March 2011 data sets.

TABLE 2
MULTI SITE G - SMS INSTRUMENTS (SITE # 1-52-026)
PHOSTER SYSTEM SOIL SAMPLING
SUMMARY OF PHOSPHOLIPID FATTY ACID DATA (2006, 2007, 2008, 2009 and 2011)

Boring Location	SMS-12	SMS-12	SMS-16	DW	DW	SMS-10
Sample ID	SMS-SB12-16-17	SMS-SB12-29-30	SMS-SB16-19-20	SMS-DW-19-20	SMS-DW-30-31	SMS-SB10-18-19
Sample Date	6/28/06	6/28/06	6/29/06	6/28/06	June 2006	6/28/06
Sample Depth (ft bgs)	16 - 17	29 - 30	19 - 20	19 - 20	30 - 31	18 - 19
Total biomass	3.30E+07	3.93E+06	3.12E+07	1.76E+08	2.17E+06	1.47E+08

Boring Location	SMS-15	SMS-21
Sample ID	SMS-SB15-27-28	SMS-SB21-22-23
Sample Date	6/29/06	6/28/06
Sample Depth (ft bgs)	27 - 28	22 - 23
Total biomass	2.44E+06	7.41E+07

Boring Location	SMS-12	SMS-12B	SMS-16	SMS-16B	DW	DWB
Sample ID	SMS12235245	SMS12B235245	SMSSB16225235	SMSSB16B225235	SMSDW2425	SMSDWB2425
Sample Date	3/22/07	3/22/07	3/22/07	3/22/07	3/23/07	3/23/07
Sample Depth (ft bgs)	23.5 - 24.5	23.5 - 24.5	22.5 - 23.5	22.5 - 23.5	24 - 25	24 - 25
Total biomass	9.92E+07	4.05E+07	1.26E+08	1.35E+08	1.12E+08	1.33E+08

Boring Location	SMS-12	SMS-12B	SMS-16	SMS-16B	DW	DWB
Sample ID	SMS12235245	SMS12B235245	SMSSB16225235	SMSSB16B225235	SMSDW2425	SMSDWB2425
Sample Date	1/16/08	1/16/08	1/16/08	1/16/08	1/17/08	1/17/08
Sample Depth (ft bgs)	23.5 - 24.5	23.5 - 24.5	22.5 - 23.5	22.5-23.5	24 - 25	24 - 25
Total biomass	5.58E+07	8.42E+07	1.58E+08	1.32E+08	1.12E+08	1.18E+08

Boring Location	SMS-12	SMS-12B	SMS-16	SMS-16B	DW	DWB
Sample ID	12 23.5-24.5	12B 23.5-24.5	16 23.5-24.5	16B 23.5-24.5	DW 23.5-24.5	DWB 23.5-24.5
Sample Date	11/18/08	11/18/08	11/18/08	11/18/08	11/19/08	11/19/08
Sample Depth (ft bgs)	23.5 - 24.5	23.5 - 24.5	23.5 - 24.5	23.5 - 24.5	23.5 - 24.5	23.5 - 24.5
Total biomass	1.16E+08	1.19E+08	4.33E+07	1.61E+08	1.62E+08	1.63E+08

Boring Location	SMS-12	SMS-12B	SMS-16	SMS-16B	DW	DWB
Sample ID	12 23.5-24.5	12B 23.5-24.5	16 23.5-24.5	16B 23.5-24.5	DW 23.5-24.5	DWB 23.5-24.5
Sample Date	9/15/09	9/15/09	9/15/09	9/15/09	9/16/09	9/16/09
Sample Depth (ft bgs)	23.5 - 24.5	23.5 - 24.5	23.5 - 24.5	23.5 - 24.5	23.5 - 24.5	23.5 - 24.5
Total biomass	1.00E+08	1.54E+08	1.93E+08	1.72E+08	2.46E+08	1.49E+08

Boring Location	SMS-12	SMS-12B	SMS-16	SMS-16B	DW	DWB
Sample ID	SMS12(22-25)	SMS12B(22-25)	SMS16(22-25)	SMS16B(22-25)	SMS DW(22-25)	SMS DWB(22-25)
Sample Date	3/1/11	3/1/11	3/1/11	3/2/11	9/16/09	3/1/11
Sample Depth (ft bgs)	22-25	22-25	22-25	22-25	23.5 - 24.5	22-525
Total biomass	7.22E+07	8.77E+07	7.78E+07	8.63E+07	2.24E+07	2.34E+07

All sample units in cells/gram

TABLE 3
MULTI SITE G - SMS INSTRUMENTS (SITE # 1-52-026)
PHOSTER SYSTEM SOIL SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY
COMPARISON OF 2006 THROUGH 2011 EVALUATION DATA

Sample Location	NYSDEC	SMS-10	SMS-10	SMS-10
Sample ID	Unre-	SB101819	SB102425	SB285295
Laboratory ID	strictive	E0901-10B	E0901-11B	E0901-12B
Sample Date	Soil	6/28/06	6/28/06	6/28/06
Sample Depth (ft bgs)	Objective	18-19	24-25	28.5-29.5
Dichlorodifluoromethane	NC	ND	ND	ND
Acetone	50	***320*** E	***230***	ND
Carbon Disulfide*	NC	ND	ND	ND
Methylene Chloride	50	ND	ND	ND
2-Butanone	120	ND	ND	ND
Chloroform	370	ND	ND	2 J
1,1,1-Trichloroethane	680	ND	ND	ND
Trichloroethene	470	4 J	ND	ND
1,2-Dichloropropane	NC	ND	ND	ND
Bromodichloromethane	NC	ND	ND	ND
4-Methyl-2-pentanone	NC	ND	ND	ND
Toluene	700	ND	ND	ND
1,1,2-Trichloroethane	NC	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND
Ethylbenzene	1,000	ND	4 J	ND
Xylenes (total)	260	ND	150	ND
Isopropylbenzene	NC	ND	ND	ND
n-Propylbenzene	3,900	ND	ND	ND
2-Chlorotoluene	NC	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	2,500 D	750 D	4 J
4-Chlorotoluene	NC	ND	ND	ND
tert-Butylbenzene	5,900	180	72	ND
1,2,4-Trimethylbenzene	3,600	51	420 D	3 J
sec-Butylbenzene	11,000	72	ND	ND
4-Isopropyltoluene	NC	93	450 E	ND
1,3-Dichlorobenzene	2,400	270 E	ND	ND
1,4-Dichlorobenzene	1,800	330 DJ	ND	ND
n-Butylbenzene	12,000	140	620 D	ND
1,2 Dichlorobenzene	1,100	ND	ND	ND
1,2-Dibromo-3-chloropropane	NC	ND	ND	ND
1,2,4-Trichlorobenzene	NC	ND	ND	ND
Hexachlorobutadiene	NC	ND	ND	ND
Naphthalene	12,000	ND	4 J	ND
1,2,3-Trichlorobenzene	NC	ND	ND	ND
Total BTEX	NC	0	154	0
Total VOCs	<10,000	3,960	2,700	9
Total VOC TICs	NC	27,430 J	19,190 J	7,369 J

Notes:
All units in µg/kg
NC - No Soil Cleanup Objective
J - Estimated value
D - Diluted sample

BOLD/ITALICS - exceeds the unrestricted Soil Cleanup Objective
Shaded columns are the latest sampling data (March 2011)
Soil cleanup objectives taken from 6 NYCRR Part 375-6.8(a)
E - Result exceeds the calibration range, estimated value
Data validation was only performed on the March 2011 data

TABLE 3
MULTI SITE G - SMS INSTRUMENTS (SITE # 1-52-026)
PHOSTER SYSTEM SOIL SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY
COMPARISON OF 2006 THROUGH 2011 EVALUATION DATA

Sample Location	NYSDEC	SMS-12	SMS-12	SMS-12	SMS-12	SMS-12	SMS-12
Sample ID	Unre-	B121617	B121920	SB121920	SMS121920	SMS-12 19-20	SMS-12 19-20
Laboratory ID	strictive	E0901-13B	F0378-01A	G0076-07A	G2173-03A	H1787-11	K0333-01
Sample Date	Soil	6/28/06	3/22/07	1/16/08	11/18/08	9/15/09	3/1/11
Sample Depth (ft bgs)	Objective	16-17	19-20	19-20	19-20	19-20	19-20
Dichlorodifluoromethane	NC	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Carbon Disulfide*	NC	ND	ND	ND	ND	ND	ND
Methylene Chloride	50	ND	ND	ND	ND	ND	3 J
2-Butanone	120	ND	ND	7	ND	ND	ND
Chloroform	370	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND	ND
Trichloroethene	470	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NC	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NC	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NC	ND	ND	ND	ND	ND	ND
Toluene	700	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NC	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND	ND
Ethylbenzene	1,000	ND	ND	ND	ND	ND	ND
Xylenes (total)	260	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NC	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	NC	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	NC	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	NC	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	ND	ND	ND	ND	ND	ND
1,2 Dichlorobenzene	1,100	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NC	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NC	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NC	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NC	ND	ND	ND	ND	ND	ND
Total BTEX	NC	0	0	0	0	0	0
Total VOCs	<10,000	0	0	7	0	0	3
Total VOC TICs	NC	64 J	28,400 J	62 J	1,076 NJ	0	0

Notes:
All units in µg/kg
NC - No Soil Cleanup Objective
J - Estimated value
D - Diluted sample

BOLD/ITALICS - exceeds the unrestricted Soil Cleanup Objective
Shaded columns are the latest sampling data (March 2011)
Soil cleanup objectives taken from 6 NYCRR Part 375-6.8(a)
E - Result exceeds the calibration range, estimated value
Data validation was only performed on the March 2011 data

TABLE 3
MULTI SITE G - SMS INSTRUMENTS (SITE # 1-52-026)
PHOSTER SYSTEM SOIL SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY
COMPARISON OF 2006 THROUGH 2011 EVALUATION DATA

Sample Location	NYSDEC	SMS-12	SMS-12	SMS-12	SMS-12	SMS-12	SMS-12
Sample ID	Unre-	B12235245	B12235245	SB12235245	SMS12235245	SMS 12 23.5-24.5	SMS 12 23.5-24.5
Laboratory ID	strictive	E0901-14B	F0378-02A	G0076-08A	G2173-11A	H1787-12	K0333-02
Sample Date	Soil	6/28/06	3/22/07	1/16/08	11/18/08	9/15/09	3/1/11
Sample Depth (ft bgs)	Objective	23.5-24.5	23.5-24.5	23.5-24.5	23.5-24.5	23.5-24.5	23.5-24.5
Dichlorodifluoromethane	NC	ND	ND	ND	ND	ND	ND
Acetone	50	***3,500*** E	ND	20 J	***58***	ND	200 J
Carbon Disulfide*	NC	ND	ND	ND	ND	ND	ND
Methylene Chloride	50	ND	ND	ND	ND	ND	ND
2-Butanone	120	ND	ND	ND	ND	ND	ND
Chloroform	370	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND	ND
Trichloroethene	470	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NC	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NC	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NC	ND	ND	ND	ND	ND	ND
Toluene	700	ND	ND	93	11	ND	ND
1,1,2-Trichloroethane	NC	ND	ND	ND	ND	3,700	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND	ND
Ethylbenzene	1,000	ND	ND	550	ND	ND	ND
Xylenes (total)	260	***3,800*** D	ND	***3,600***	8	ND	ND
Isopropylbenzene	NC	ND	ND	2,100	200	ND	ND
n-Propylbenzene	3,900	***7,000*** D	ND	2,800 D	400 D	ND	580 J
2-Chlorotoluene	NC	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	***50,000*** D	260	***19,000*** D	3,200 D	ND	5,700 J
4-Chlorotoluene	NC	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	1,800 DJ	ND	610	130	260 J	230 J
1,2,4-Trimethylbenzene	3,600	***55,000*** D	ND	***30,000*** D	***4,400*** D	310 J	***5,000*** J
sec-Butylbenzene	11,000	4,400 D	ND	1,600	330 JD	220 J	640 J
4-Isopropyltoluene	NC	360 E	84	3,400 D	780 D	ND	ND
1,3-Dichlorobenzene	2,400	210	ND	1100	190	150 J	ND
1,4-Dichlorobenzene	1,800	320 E	ND	***2,000***	300 JD	ND	ND
n-Butylbenzene	12,000	***18,000*** D	ND	9,000 D	1,200 D	1,100	2,600 J
1,2 Dichlorobenzene	1,100	98	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NC	ND	ND	450	ND	ND	ND
1,2,4-Trichlorobenzene	NC	2 J	ND	20 J	ND	ND	160 J
Hexachlorobutadiene	NC	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	3 J	ND	720	ND	ND	ND
1,2,3-Trichlorobenzene	NC	ND	ND	ND	ND	ND	ND
Total BTEX	NC	3,800	0	4,243	19	0	0
Total VOCs	<10,000	***144,493***	344	***77,063***	***11,207***	5,740	***15,110***
Total VOC TICs	NC	24,647 J	11,180 J	122,200 J	74,700 NJ	189,000 NJ	189,000 NJ

Notes:
All units in µg/kg
NC - No Soil Cleanup Objective
J - Estimated value
D - Diluted sample

BOLD/ITALICS - exceeds the unrestricted Soil Cleanup Objective
Shaded columns are the latest sampling data (March 2011)
Soil cleanup objectives taken from 6 NYCRR Part 375-6.8(a)
E - Result exceeds the calibration range, estimated value
Data validation was only performed on the March 2011 data

TABLE 3
MULTI SITE G - SMS INSTRUMENTS (SITE # 1-52-026)
PHOSTER SYSTEM SOIL SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY
COMPARISON OF 2006 THROUGH 2011 EVALUATION DATA

Sample Location	NYSDEC	SMS-12	SMS-12	SMS-12	SMS-12	SMS-12	SMS-12
Sample ID	Unre-	SB122930	B122930	SB122930	SMS122930	SMS 12 29-30	SMS 12 29-30
Laboratory ID	strictive	E0901-15B	F0378-03A	G0076-09A	G2173-12A	H1787-10	K0333-03
Sample Date	Soil	6/28/06	3/22/07	1/16/08	11/18/08	9/15/09	3/1/11
Sample Depth (ft bgs)	Objective	29-30	29-30	29-30	29-30	29-30	29-30
Dichlorodifluoromethane	NC	ND	ND	ND	ND	ND	2.1 J
Acetone	50	ND	ND	ND	ND	ND	5.4
Carbon Disulfide*	NC	ND	ND	ND	ND	ND	ND
Methylene Chloride	50	ND	ND	ND	11	ND	8.4
2-Butanone	120	ND	ND	25	ND	ND	ND
Chloroform	370	3 J	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND	ND
Trichloroethene	470	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NC	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NC	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NC	ND	ND	ND	ND	ND	ND
Toluene	700	ND	ND	4 J	ND	ND	ND
1,1,2-Trichloroethane	NC	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND	ND
Ethylbenzene	1,000	ND	ND	ND	ND	ND	ND
Xylenes (total)	260	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NC	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	3 J	ND	ND	ND	ND	ND
2-Chlorotoluene	NC	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	44	ND	ND	ND	ND	ND
4-Chlorotoluene	NC	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	72	ND	1 J	ND	ND	ND
sec-Butylbenzene	11,000	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	NC	40	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	240	ND	ND	ND	ND	ND
1,2 Dichlorobenzene	1,100	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NC	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NC	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NC	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	4 J	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NC	ND	ND	ND	ND	ND	ND
Total BTEX	NC	0	0	4	0	0	0
Total VOCs	<10,000	406	0	30	11	0	16
Total VOC TICs	NC	1,182 J	ND	7 J	0	315 J	

Notes:
All units in µg/kg
NC - No Soil Cleanup Objective
J - Estimated value
D - Diluted sample

BOLD/ITALICS - exceeds the unrestricted Soil Cleanup Objective
Shaded columns are the latest sampling data (March 2011)
Soil cleanup objectives taken from 6 NYCRR Part 375-6.8(a)
E - Result exceeds the calibration range, estimated value
Data validation was only performed on the March 2011 data

TABLE 3
MULTI SITE G - SMS INSTRUMENTS (SITE # 1-52-026)
PHOSTER SYSTEM SOIL SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY
COMPARISON OF 2006 THROUGH 2011 EVALUATION DATA

Sample Location	NYSDEC	SMS-12B	SMS-12B	SMS-12B	SMS-12B	SMS-12B
Sample ID	Unre-	B12B1920	SB12B1920	SMS12B1920	SMS-12B 19-20	SMS-12B 19-20
Laboratory ID	strictive	F0378-04A	G0076-10A	G2173-04A	H1787-08	K0333-04
Sample Date	Soil	3/22/07	1/16/08	11/18/08	9/15/09	3/1/11
Sample Depth (ft bgs)	Objective	19-20	19-20	19-20	19-20	19-20
Dichlorodifluoromethane	NC	ND	ND	ND	ND	2.5 J
Acetone	50	ND	ND	ND	ND	ND
Carbon Disulfide*	NC	ND	ND	ND	ND	ND
Methylene Chloride	50	ND	ND	ND	ND	1.5 J
2-Butanone	120	ND	ND	ND	ND	ND
Chloroform	370	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND
Trichloroethene	470	ND	ND	ND	ND	ND
1,2-Dichloropropane	NC	ND	ND	ND	ND	ND
Bromodichloromethane	NC	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NC	ND	ND	ND	ND	ND
Toluene	700	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NC	ND	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND
Ethylbenzene	1,000	ND	ND	ND	ND	ND
Xylenes (total)	260	ND	ND	ND	ND	ND
Isopropylbenzene	NC	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	ND	ND	ND	ND	ND
2-Chlorotoluene	NC	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	ND	ND	ND	ND	ND
4-Chlorotoluene	NC	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	ND	ND	ND	ND	ND
4-Isopropyltoluene	NC	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	ND	ND	ND	ND	ND
1,2 Dichlorobenzene	1,100	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NC	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NC	ND	ND	ND	ND	ND
Hexachlorobutadiene	NC	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NC	ND	ND	ND	ND	ND
Total BTEX	NC	0	0	0	0	0
Total VOCs	<10,000	0	0	0	0	4
Total VOC TICs	NC	ND	8 J	44.1	0	

Notes:
All units in µg/kg
NC - No Soil Cleanup Objective
J - Estimated value
D - Diluted sample

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Soil cleanup objectives taken from 6 NYCRR Part 375-6.8(a)
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TABLE 3
MULTI SITE G - SMS INSTRUMENTS (SITE # 1-52-026)
PHOSTER SYSTEM SOIL SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY
COMPARISON OF 2006 THROUGH 2011 EVALUATION DATA

Sample Location	NYSDEC	SMS-12B	SMS-12B	SMS-12B	SMS-12B	SMS-12B
Sample ID	Unre-	B12B235245	SB12B235245	SMS12B235245	SMS12B 23.5-24.5	SMS12B 23.5-24.5
Laboratory ID	strictive	F0378-05A	G0076-11A	G2173-13A	H1787-09	K0333-05
Sample Date	Soil	3/22/07	1/16/08	11/18/08	9/15/09	3/1/11
Sample Depth (ft bgs)	Objective	23.5-24.5	23.5-24.5	23.5-24.5	23.5-24.5	23.5-24.5
Dichlorodifluoromethane	NC	ND	ND	ND	ND	ND
Acetone	50	ND	ND	***81***	ND	ND
Carbon Disulfide*	NC	ND	ND	4.9	ND	ND
Methylene Chloride	50	ND	ND	ND	ND	ND
2-Butanone	120	ND	ND	ND	ND	ND
Chloroform	370	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND
Trichloroethene	470	ND	ND	ND	ND	ND
1,2-Dichloropropane	NC	ND	77	ND	ND	ND
Bromodichloromethane	NC	ND	250	ND	ND	ND
4-Methyl-2-pentanone	NC	ND	ND	ND	ND	ND
Toluene	700	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NC	ND	16,000 E	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND
Ethylbenzene	1,000	ND	ND	ND	ND	ND
Xylenes (total)	260	***1,200***	52 J	ND	ND	ND
Isopropylbenzene	NC	2,300 D	300	32	ND	ND
n-Propylbenzene	3,900	***4,600*** D	720	130	ND	ND
2-Chlorotoluene	NC	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	***32,000*** D	3,100 D	4,300 D	ND	1,400 J
4-Chlorotoluene	NC	ND	21 J	ND	ND	160 J
tert-Butylbenzene	5,900	ND	360	120	ND	ND
1,2,4-Trimethylbenzene	3,600	***51,000*** D	3,300 D	2,200 D	ND	540 J
sec-Butylbenzene	11,000	3,400 D	900	170	ND	370 J
4-Isopropyltoluene	NC	4,700 D	1,600	900 D	ND	900 J
1,3-Dichlorobenzene	2,400	ND	120	ND	ND	ND
1,4-Dichlorobenzene	1,800	ND	100	ND	ND	ND
n-Butylbenzene	12,000	***15,000*** D	2,400 D	1,700 D	ND	2,500 J
1,2 Dichlorobenzene	1,100	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NC	ND	460	ND	ND	ND
1,2,4-Trichlorobenzene	NC	ND	ND	1.9 J	ND	ND
Hexachlorobutadiene	NC	ND	ND	ND	ND	ND
Naphthalene	12,000	160	71	ND	ND	ND
1,2,3-Trichlorobenzene	NC	ND	ND	ND	ND	ND
Total BTEX	NC	1,200	52	0	0	0
Total VOCs	<10,000	***114,360***	***29,831***	9,639.8	0	5,870
Total VOC TICs	NC	37,700 J	20,000 J	73,900 NJ	222,000 NJ	222,000 NJ

Notes:
All units in µg/kg
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D - Diluted sample

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Soil cleanup objectives taken from 6 NYCRR Part 375-6.8(a)
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TABLE 3
MULTI SITE G - SMS INSTRUMENTS (SITE # 1-52-026)
PHOSTER SYSTEM SOIL SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY
COMPARISON OF 2006 THROUGH 2011 EVALUATION DATA

Sample Location	NYSDEC	SMS-12B	SMS-12B	SMS-12B	SMS-12B	SMS-12B
Sample ID	Unre-	B12B2930	SB12B2930	SMS12B2930	SMS12B 29-30	SMS12B 29-30
Laboratory ID	strictive	F0378-06A	G0076-12A	G2173-14A	H1787-10	K0333-06
Sample Date	Soil	3/22/07	1/16/08	11/18/08	9/15/09	3/1/11
Sample Depth (ft bgs)	Objective	29-30	29-30	29-30	29-30	29-30
Dichlorodifluoromethane	NC	ND	ND	ND	ND	1.8 J
Acetone	50	ND	ND	ND	ND	7.7
Carbon Disulfide*	NC	ND	ND	ND	ND	ND
Methylene Chloride	50	ND	ND	13	ND	7.2
2-Butanone	120	ND	8	ND	ND	ND
Chloroform	370	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND
Trichloroethene	470	ND	ND	ND	ND	ND
1,2-Dichloropropane	NC	ND	ND	ND	ND	ND
Bromodichloromethane	NC	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NC	ND	ND	ND	ND	ND
Toluene	700	ND	2 J	ND	ND	ND
1,1,2-Trichloroethane	NC	ND	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND
Ethylbenzene	1,000	ND	ND	ND	ND	ND
Xylenes (total)	260	ND	ND	ND	ND	ND
Isopropylbenzene	NC	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	ND	ND	ND	ND	ND
2-Chlorotoluene	NC	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	ND	2 J	ND	ND	ND
4-Chlorotoluene	NC	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	ND	1 J	ND	ND	ND
sec-Butylbenzene	11,000	ND	ND	ND	ND	ND
4-Isopropyltoluene	NC	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	ND	ND	ND	ND	ND
1,2 Dichlorobenzene	1,100	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NC	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NC	ND	ND	ND	ND	ND
Hexachlorobutadiene	NC	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NC	ND	ND	ND	ND	ND
Total BTEX	NC	0	2	0	0	0
Total VOCs	<10,000	0	13	13	0	16.7
Total VOC TICs	NC	ND	346 J	0	0	0

Notes:
All units in µg/kg
NC - No Soil Cleanup Objective
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D - Diluted sample

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Soil cleanup objectives taken from 6 NYCRR Part 375-6.8(a)
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TABLE 3
MULTI SITE G - SMS INSTRUMENTS (SITE # 1-52-026)
PHOSTER SYSTEM SOIL SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY
COMPARISON OF 2006 THROUGH 2011 EVALUATION DATA

Sample Location	NYSDEC	SMS-15	SMS-15	SMS-15	SMS-16
Sample ID	Unre-	B15165175	B152223	B152728	B16165175
Laboratory ID	strictive	E0901-19B	E0901-20B	E0901-22B	E0901-16B
Sample Date	Soil	6/28/06	6/28/06	6/28/06	6/29/06
Sample Depth (ft bgs)	Objective	16.5-17.5	22-23	27-28	16.5-17.5
Dichlorodifluoromethane	NC	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND
Carbon Disulfide*	NC	ND	ND	ND	ND
Methylene Chloride	50	ND	ND	ND	ND
2-Butanone	120	ND	ND	ND	ND
Chloroform	370	ND	ND	ND	2 J
1,1,1-Trichloroethane	680	ND	ND	ND	ND
Trichloroethene	470	ND	ND	ND	ND
1,2-Dichloropropane	NC	ND	ND	ND	ND
Bromodichloromethane	NC	ND	ND	ND	ND
4-Methyl-2-pentanone	NC	ND	ND	ND	ND
Toluene	700	ND	ND	ND	ND
1,1,2-Trichloroethane	NC	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND
Ethylbenzene	1,000	ND	ND	ND	ND
Xylenes (total)	260	ND	ND	ND	ND
Isopropylbenzene	NC	ND	ND	ND	ND
n-Propylbenzene	3,900	ND	ND	ND	ND
2-Chlorotoluene	NC	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	ND	ND	ND	4 J
4-Chlorotoluene	NC	ND	ND	ND	ND
tert-Butylbenzene	5,900	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	ND	ND	ND	6
sec-Butylbenzene	11,000	ND	ND	ND	ND
4-Isopropyltoluene	NC	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	ND	ND	ND	ND
n-Butylbenzene	12,000	ND	ND	ND	7
1,2 Dichlorobenzene	1,100	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NC	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NC	ND	ND	ND	ND
Hexachlorobutadiene	NC	ND	ND	ND	ND
Naphthalene	12,000	4 JB	3 JB	ND	ND
1,2,3-Trichlorobenzene	NC	ND	ND	ND	ND
Total BTEX	NC	0	0	0	0
Total VOCs	<10,000	4	3	0	19
Total VOC TICs	NC	ND	ND	ND	163 J

Notes:
All units in µg/kg
NC - No Soil Cleanup Objective
J - Estimated value
D - Diluted sample

BOLD/ITALICS - exceeds the unrestricted Soil Cleanup Objective
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Soil cleanup objectives taken from 6 NYCRR Part 375-6.8(a)
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TABLE 3
MULTI SITE G - SMS INSTRUMENTS (SITE # 1-52-026)
PHOSTER SYSTEM SOIL SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY
COMPARISON OF 2006 THROUGH 2011 EVALUATION DATA

Sample Location	NYSDEC	SMS-16	SMS-16	SMS-16	SMS-16	SMS-16	SMS-16
Sample ID	Unre-	SB161920	B161920	SB161920	SMS-16 19-20	SMS-16 19-20	SMS-16 19-20
Laboratory ID	strictive	E0901-21B	F0378-11A	G0076-04A	G2173-05A	H1787-04	K0333-13
Sample Date	Soil	6/29/06	3/22/07	1/16/08	11/18/08	9/15/09	3/2/11
Sample Depth (ft bgs)	Objective	19-20	19-20	19-20	19-20	19-20	19-20
Dichlorodifluoromethane	NC	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	4.3 J	ND	ND
Carbon Disulfide*	NC	ND	ND	ND	ND	ND	ND
Methylene Chloride	50	ND	ND	ND	ND	ND	ND
2-Butanone	120	ND	ND	7	ND	ND	ND
Chloroform	370	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	26 J	ND	ND	ND	ND
Trichloroethene	470	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NC	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NC	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NC	ND	ND	ND	ND	ND	ND
Toluene	700	ND	ND	1 J	ND	ND	ND
1,1,2-Trichloroethane	NC	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND	ND
Ethylbenzene	1,000	ND	ND	ND	ND	ND	ND
Xylenes (total)	260	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NC	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	NC	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	ND	70	ND	ND	ND	ND
4-Chlorotoluene	NC	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	ND	51 J	ND	ND	ND	ND
sec-Butylbenzene	11,000	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	NC	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	ND	ND	ND	ND	ND	ND
1,2 Dichlorobenzene	1,100	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NC	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NC	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NC	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NC	ND	ND	ND	ND	ND	ND
Total BTEX	NC	0	0	1	0	0	0
Total VOCs	<10,000	0	147	8	4.3	0	0
Total VOC TICs	NC	ND	42,000 J	7 J	276 J	0	0

Notes:
All units in µg/kg
NC - No Soil Cleanup Objective
J - Estimated value
D - Diluted sample

BOLD/ITALICS - exceeds the unrestricted Soil Cleanup Objective
Shaded columns are the latest sampling data (March 2011)
Soil cleanup objectives taken from 6 NYCRR Part 375-6.8(a)
E - Result exceeds the calibration range, estimated value
Data validation was only performed on the March 2011 data

TABLE 3
MULTI SITE G - SMS INSTRUMENTS (SITE # 1-52-026)
PHOSTER SYSTEM SOIL SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY
COMPARISON OF 2006 THROUGH 2011 EVALUATION DATA

Sample Location	NYSDEC	SMS-16	SMS-16	SMS-16	SMS-16	SMS-16	SMS-16
Sample ID	Unre-	SB1622.523.5	B16235245	SB16235245	16 23.5-24.5	16 23.5-24.5	16 23.5-24.5
Laboratory ID	strictive	E0901-17B	F0378-12A	G0076-05A	G2173-16A	H1787-05	K0333-14
Sample Date	Soil	6/29/06	3/22/07	1/16/08	11/18/08	9/15/09	3/2/11
Sample Depth (ft bgs)	Objective	22.5-23.5	23.5-24.5	23.5-24.5	23.5-24.5	23.5-24.5	23.5-24.5
Dichlorodifluoromethane	NC	ND	ND	ND	ND	ND	ND
Acetone	50	***960***	47	***690***	ND	ND	ND
Carbon Disulfide*	NC	ND	ND	ND	ND	ND	ND
Methylene Chloride	50	ND	ND	ND	ND	ND	ND
2-Butanone	120	ND	ND	***370***	ND	ND	ND
Chloroform	370	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND	ND
Trichloroethene	470	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NC	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NC	ND	ND	300 J	ND	ND	ND
4-Methyl-2-pentanone	NC	ND	ND	ND	ND	ND	ND
Toluene	700	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NC	ND	ND	20,000 E	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND	ND
Ethylbenzene	1,000	***2,100*** E	ND	570	ND	ND	ND
Xylenes (total)	260	***13,000*** D	ND	***4,500***	ND	ND	ND
Isopropylbenzene	NC	1,400 DJ	ND	660	ND	ND	ND
n-Propylbenzene	3,900	1,200 E	ND	1,200	ND	ND	ND
2-Chlorotoluene	NC	ND	ND	93 J	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	***24,000*** D	120	***17,000*** D	3.3 J	ND	1,700 J
4-Chlorotoluene	NC	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	ND	ND	660	ND	ND	350 J
1,2,4-Trimethylbenzene	3,600	***32,000*** D	55	***15,000*** D	2.2 J	ND	960 J
sec-Butylbenzene	11,000	1,000	ND	1,300	ND	ND	1,300 J
4-Isopropyltoluene	NC	ND	ND	2,200	ND	ND	2,300 J
1,3-Dichlorobenzene	2,400	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	1,800 E	ND	***2,600***	ND	ND	ND
n-Butylbenzene	12,000	1,700 E	ND	5,700	ND	ND	6,400 J
1,2 Dichlorobenzene	1,100	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NC	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NC	ND	ND	ND	ND	ND	150 J
Hexachlorobutadiene	NC	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	130	ND	2,100	ND	ND	ND
1,2,3-Trichlorobenzene	NC	ND	ND	ND	ND	ND	ND
Total BTEX	NC	15,100	0	5,070	0	0	0
Total VOCs	<10,000	***79,290***	222	***74,943***	5.5	0	***13,160***
Total VOC TICs	NC	35,950 J	33,300 J	171,200 J	472 NJ	254,900 NJ	

Notes:
All units in µg/kg
NC - No Soil Cleanup Objective
J - Estimated value
D - Diluted sample

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Shaded columns are the latest sampling data (March 2011)
Soil cleanup objectives taken from 6 NYCRR Part 375-6.8(a)
E - Result exceeds the calibration range, estimated value
Data validation was only performed on the March 2011 data

TABLE 3
MULTI SITE G - SMS INSTRUMENTS (SITE # 1-52-026)
PHOSTER SYSTEM SOIL SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY
COMPARISON OF 2006 THROUGH 2011 EVALUATION DATA

Sample Location	NYSDEC	SMS-16	SMS-16	SMS-16	SMS-16	SMS-16	SMS-16
Sample ID	Unre-	SB162930	B162930	SB162930	16 29-30	16 29-30	16 29-30
Laboratory ID	strictive	E0901-18B	F0378-13A	G0076-06A	G2173-17A	H1787-07	K0333-15
Sample Date	Soil	6/29/06	3/22/07	1/16/08	11/18/08	9/15/09	3/2/11
Sample Depth (ft bgs)	Objective	29-30	29-30	29-30	29-30	29-30	29-30
Dichlorodifluoromethane	NC	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	7.8	ND	3.4 J
Carbon Disulfide*	NC	ND	ND	ND	ND	ND	ND
Methylene Chloride	50	ND	ND	ND	ND	ND	6.6
2-Butanone	120	ND	ND	16	ND	ND	ND
Chloroform	370	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND	ND
Trichloroethene	470	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NC	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NC	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NC	ND	ND	ND	ND	ND	ND
Toluene	700	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NC	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND	ND
Ethylbenzene	1,000	ND	ND	ND	ND	ND	ND
Xylenes (total)	260	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NC	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	NC	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	ND	ND	ND	ND	ND	3.2 J
4-Chlorotoluene	NC	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	ND	ND	ND	ND	ND	2.9 J
sec-Butylbenzene	11,000	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	NC	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	ND	ND	ND	ND	ND	1.2 J
1,2 Dichlorobenzene	1,100	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NC	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NC	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NC	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NC	ND	ND	ND	ND	ND	ND
Total BTEX	NC	0	0	0	0	0	0
Total VOCs	<10,000	0	0	16	7.8	0	17.3
Total VOC TICs	NC	ND	ND	114 J	264 NJ	12.5 NJ	

Notes:
All units in µg/kg
NC - No Soil Cleanup Objective
J - Estimated value
D - Diluted sample

BOLD/ITALICS - exceeds the unrestricted Soil Cleanup Objective
Shaded columns are the latest sampling data (March 2011)
Soil cleanup objectives taken from 6 NYCRR Part 375-6.8(a)
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TABLE 3
MULTI SITE G - SMS INSTRUMENTS (SITE # 1-52-026)
PHOSTER SYSTEM SOIL SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY
COMPARISON OF 2006 THROUGH 2011 EVALUATION DATA

Sample Location	NYSDEC	SMS-16B	SMS-16B	SMS-16B	SMS-16B	SMS-16B
Sample ID	Unre-	B16B1920	SB16B1920	SMS16B19-20	SMS16B19-20	SMS16B19-20
Laboratory ID	strictive	F0378-07A	G0076-01A	G2173-06A	H1787-01	K0333-16
Sample Date	Soil	3/22/07	1/16/08	11/18/08	9/15/09	3/2/11
Sample Depth (ft bgs)	Objective	19-20	19-20	19-20	19-20	19-20
Dichlorodifluoromethane	NC	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND
Carbon Disulfide*	NC	ND	ND	ND	ND	ND
Methylene Chloride	50	ND	ND	ND	ND	ND
2-Butanone	120	ND	12	ND	ND	ND
Chloroform	370	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND
Trichloroethene	470	ND	ND	ND	ND	ND
1,2-Dichloropropane	NC	ND	ND	ND	ND	ND
Bromodichloromethane	NC	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NC	ND	ND	ND	ND	ND
Toluene	700	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NC	ND	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND
Ethylbenzene	1,000	ND	ND	ND	ND	ND
Xylenes (total)	260	ND	ND	ND	ND	ND
Isopropylbenzene	NC	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	ND	ND	ND	ND	ND
2-Chlorotoluene	NC	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	ND	ND	ND	ND	ND
4-Chlorotoluene	NC	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	ND	ND	ND	ND	ND
4-Isopropyltoluene	NC	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	ND	ND	ND	ND	ND
1,2 Dichlorobenzene	1,100	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NC	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NC	ND	ND	ND	ND	ND
Hexachlorobutadiene	NC	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NC	ND	ND	ND	ND	ND
Total BTEX	NC	0	0	0	0	0
Total VOCs	<10,000	0	12	0	0	0
Total VOC TICs	NC	8,120 J	5 J	0	3,130 J	

Notes:
All units in µg/kg
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Shaded columns are the latest sampling data (March 2011)
Soil cleanup objectives taken from 6 NYCRR Part 375-6.8(a)
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TABLE 3
MULTI SITE G - SMS INSTRUMENTS (SITE # 1-52-026)
PHOSTER SYSTEM SOIL SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY
COMPARISON OF 2006 THROUGH 2011 EVALUATION DATA

Sample Location	NYSDEC	SMS-16B	SMS-16B	SMS-16B	SMS-16B	SMS-16B
Sample ID	Unre-	B16B225235	SB16B225235	16B 23.5-24.5	16B 23.5-24.5	16B 23.5-24.5
Laboratory ID	strictive	F0378-08A	G0076-02A	G2173-18A	H1787-02	K0333-17
Sample Date	Soil	3/22/07	1/16/08	11/18/08	9/15/09	3/2/11
Sample Depth (ft bgs)	Objective	22.5-23.5	22.5-23.5	23.5-24.5	23.5-24.5	23.5-24.5
Dichlorodifluoromethane	NC	ND	ND	ND	ND	2.5 J
Acetone	50	ND	ND	***78***	ND	9.6 J
Carbon Disulfide*	NC	ND	ND	3.8 J	ND	ND
Methylene Chloride	50	ND	ND	ND	ND	5.5 J
2-Butanone	120	ND	33 J	ND	ND	ND
Chloroform	370	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND
Trichloroethene	470	ND	ND	ND	ND	ND
1,2-Dichloropropane	NC	ND	30 J	ND	ND	ND
Bromodichloromethane	NC	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NC	ND	ND	ND	ND	38 J
Toluene	700	ND	27 J	9.9	ND	ND
1,1,2-Trichloroethane	NC	ND	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND
Ethylbenzene	1,000	ND	45 J	59	ND	ND
Xylenes (total)	260	50 J	***380***	***310***	ND	ND
Isopropylbenzene	NC	ND	85	110	ND	2.5 J
n-Propylbenzene	3,900	ND	ND	190	ND	4.7 J
2-Chlorotoluene	NC	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	480	***8,700*** D	4,700 D	ND	63 J
4-Chlorotoluene	NC	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	ND	240	90	ND	6.7 J
1,2,4-Trimethylbenzene	3,600	300	1,100	3,400 D	ND	95 J
sec-Butylbenzene	11,000	ND	250	71	690 J	5.1 J
4-Isopropyltoluene	NC	120	750	190	ND	21 J
1,3-Dichlorobenzene	2,400	ND	300	380 D	ND	4.7 J
1,4-Dichlorobenzene	1,800	ND	680	570 D	ND	5.3 J
n-Butylbenzene	12,000	ND	1,200	170	3,700	ND
1,2 Dichlorobenzene	1,100	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NC	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NC	ND	ND	ND	ND	ND
Hexachlorobutadiene	NC	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	110	6.3 J	ND	ND
1,2,3-Trichlorobenzene	NC	ND	ND	ND	ND	ND
Total BTEX	NC	50	452	379	0	0
Total VOCs	<10,000	950	***13,930***	***10,338***	4,390	263.6
Total VOC TICs	NC	104,500 J	195,000 J	5,780 NJ	745,000 NJ	

Notes:
All units in µg/kg
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Soil cleanup objectives taken from 6 NYCRR Part 375-6.8(a)
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TABLE 3
MULTI SITE G - SMS INSTRUMENTS (SITE # 1-52-026)
PHOSTER SYSTEM SOIL SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY
COMPARISON OF 2006 THROUGH 2011 EVALUATION DATA

Sample Location	NYSDEC	SMS-16B	SMS-16B	SMS-16B	SMS-16B	SMS-16B
Sample ID	Unre-	B16B2930	SB16B2930	16B 29-30	16B 29-30	16B 29-30
Laboratory ID	strictive	F0378-09A	G0076-03A	G2173-19A	H1787-03	K0333-18
Sample Date	Soil	3/22/07	1/16/08	11/18/08	9/15/09	3/2/11
Sample Depth (ft bgs)	Objective	29-30	29-30	29-30	29-30	29-30
Dichlorodifluoromethane	NC	ND	ND	ND	ND	ND
Acetone	50	ND	ND	2.9 J	ND	6.4
Carbon Disulfide*	NC	ND	ND	ND	ND	ND
Methylene Chloride	50	ND	ND	ND	ND	14
2-Butanone	120	ND	18	ND	ND	ND
Chloroform	370	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND
Trichloroethene	470	ND	ND	ND	ND	ND
1,2-Dichloropropane	NC	ND	ND	ND	ND	ND
Bromodichloromethane	NC	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NC	ND	ND	ND	ND	ND
Toluene	700	ND	2 J	ND	ND	ND
1,1,2-Trichloroethane	NC	ND	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND
Ethylbenzene	1,000	ND	ND	ND	ND	ND
Xylenes (total)	260	ND	ND	ND	ND	ND
Isopropylbenzene	NC	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	ND	ND	ND	ND	ND
2-Chlorotoluene	NC	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	ND	ND	3.6 J	ND	ND
4-Chlorotoluene	NC	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	ND	ND	2.9 J	ND	ND
sec-Butylbenzene	11,000	ND	ND	ND	ND	ND
4-Isopropyltoluene	NC	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	ND	ND	ND	ND	ND
1,2 Dichlorobenzene	1,100	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NC	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NC	ND	ND	ND	ND	ND
Hexachlorobutadiene	NC	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NC	ND	ND	ND	ND	ND
Total BTEX	NC	0	2	0	0	0
Total VOCs	<10,000	0	20	9.4	0	20.4
Total VOC TICs	NC	ND	857 J	321	149.8 NJ	

Notes:
All units in µg/kg
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J - Estimated value
D - Diluted sample

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Soil cleanup objectives taken from 6 NYCRR Part 375-6.8(a)
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TABLE 3
MULTI SITE G - SMS INSTRUMENTS (SITE # 1-52-026)
PHOSTER SYSTEM SOIL SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY
COMPARISON OF 2006 THROUGH 2011 EVALUATION DATA

Sample Location	NYSDEC	SMS-21	SMS-21	SMS-21
Sample ID	Unre-	B211920	B212223	B212930
Laboratory ID	strictive	E0901-06B	E0901-07B	E0901-09B
Sample Date	Soil	6/28/06	6/28/06	6/28/06
Sample Depth (ft bgs)	Objective	19-20	22-23	29-30
Dichlorodifluoromethane	NC	ND	ND	ND
Acetone	50	ND	***110***	ND
Carbon Disulfide*	NC	ND	ND	ND
Methylene Chloride	50	ND	ND	ND
2-Butanone	120	ND	ND	ND
Chloroform	370	2 J	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND
Trichloroethene	470	ND	ND	ND
1,2-Dichloropropane	NC	ND	ND	ND
Bromodichloromethane	NC	ND	ND	ND
4-Methyl-2-pentanone	NC	ND	ND	ND
Toluene	700	ND	6	ND
1,1,2-Trichloroethane	NC	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND
Ethylbenzene	1,000	ND	ND	ND
Xylenes (total)	260	3 J	ND	ND
Isopropylbenzene	NC	ND	ND	ND
n-Propylbenzene	3,900	ND	140	ND
2-Chlorotoluene	NC	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	ND	300 DJ	ND
4-Chlorotoluene	NC	ND	ND	ND
tert-Butylbenzene	5,900	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	ND	170 DJ	ND
sec-Butylbenzene	11,000	ND	190	ND
4-Isopropyltoluene	NC	ND	360 E	ND
1,3-Dichlorobenzene	2,400	ND	ND	ND
1,4-Dichlorobenzene	1,800	3 J	ND	ND
n-Butylbenzene	12,000	ND	490 D	ND
1,2 Dichlorobenzene	1,100	ND	ND	ND
1,2-Dibromo-3-chloropropane	NC	ND	ND	ND
1,2,4-Trichlorobenzene	NC	ND	ND	ND
Hexachlorobutadiene	NC	ND	ND	ND
Naphthalene	12,000	ND	ND	ND
1,2,3-Trichlorobenzene	NC	ND	ND	ND
Total BTEX	NC	3	6	0
Total VOCs	<10,000	8	1,766	0
Total VOC TICs	NC	ND	21,130 J	ND

Notes:
All units in µg/kg
NC - No Soil Cleanup Objective
J - Estimated value
D - Diluted sample

BOLD/ITALICS - exceeds the unrestricted Soil Cleanup Objective
Shaded columns are the latest sampling data (March 2011)
Soil cleanup objectives taken from 6 NYCRR Part 375-6.8(a)
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Data validation was only performed on the March 2011 data

TABLE 3
MULTI SITE G - SMS INSTRUMENTS (SITE # 1-52-026)
PHOSTER SYSTEM SOIL SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY
COMPARISON OF 2006 THROUGH 2011 EVALUATION DATA

Sample Location	NYSDEC	DW	DW	DW	DW	DW	DW
Sample ID	Unre-	DW-1920	DW-1920	DW-1920	DW 19-20	DW 19-20	DW 19-20
Laboratory ID	strictive	E0901-01B	F0378-15A	G0076-17A	G2173-01A	H1787-15	K0333-10
Sample Date	Soil	6/28/06	3/23/07	1/17/08	11/19/08	9/16/09	3/1/11
Sample Depth (ft bgs)	Objective	19-20	19-20	19-20	19-20	19-20	19-20
Dichlorodifluoromethane	NC	ND	ND	ND	ND	ND	ND
Acetone	50	***66***	ND	ND	ND	ND	4.4
Carbon Disulfide*	NC	ND	ND	ND	ND	ND	ND
Methylene Chloride	50	ND	ND	ND	ND	ND	8.4 J
2-Butanone	120	ND	ND	ND	ND	ND	ND
Chloroform	370	18 J	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND	ND
Trichloroethene	470	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NC	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NC	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NC	ND	ND	ND	ND	ND	12 J
Toluene	700	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NC	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	37	ND	ND	ND	ND	ND
Ethylbenzene	1,000	400	ND	ND	ND	ND	ND
Xylenes (total)	260	***20,000*** D	ND	ND	ND	ND	ND
Isopropylbenzene	NC	210	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	280	ND	ND	ND	ND	ND
2-Chlorotoluene	NC	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	***34,000*** D	ND	ND	ND	ND	6.8 J
4-Chlorotoluene	NC	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	***22,000*** D	ND	ND	ND	ND	1.2 J
sec-Butylbenzene	11,000	300	ND	ND	ND	ND	ND
4-Isopropyltoluene	NC	1,000	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	***8,700*** D	ND	ND	ND	ND	36 J
1,4-Dichlorobenzene	1,800	***41,000*** D	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	ND	ND	ND	ND	ND	ND
1,2 Dichlorobenzene	1,100	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NC	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NC	10,000 D	ND	ND	ND	ND	11 J
Hexachlorobutadiene	NC	ND	ND	ND	ND	ND	1.4 J
Naphthalene	12,000	1,900 D	18 J	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NC	330	ND	ND	ND	ND	ND
Total BTEX	NC	20,400	0	0	0	0	0
Total VOCs	<10,000	***140,241***	18	0	0	0	81.2
Total VOC TICs	NC	63,300 J	2,270 J	83 J	0	348.8 J	

Notes:
All units in µg/kg
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J - Estimated value
D - Diluted sample

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Soil cleanup objectives taken from 6 NYCRR Part 375-6.8(a)
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TABLE 3
MULTI SITE G - SMS INSTRUMENTS (SITE # 1-52-026)
PHOSTER SYSTEM SOIL SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY
COMPARISON OF 2006 THROUGH 2011 EVALUATION DATA

Sample Location	NYSDEC	DW	DW	DW	DW
Sample ID	Unre-	DW215225	DW-2425	DW-2425	DW-2425
Laboratory ID	strictive	E0901-03B	E0901-04B	F0378-16A	G0076-18A
Sample Date	Soil	6/28/06	6/28/06	3/23/07	1/17/08
Sample Depth (ft bgs)	Objective	21.5-22.5	24-25	24-25	24-25
Dichlorodifluoromethane	NC	ND	ND	ND	ND
Acetone	50	***70***	ND	ND	ND
Carbon Disulfide*	NC	ND	ND	ND	ND
Methylene Chloride	50	ND	ND	ND	ND
2-Butanone	120	ND	ND	ND	ND
Chloroform	370	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND	ND
Trichloroethene	470	2 J	ND	ND	ND
1,2-Dichloropropane	NC	ND	ND	ND	ND
Bromodichloromethane	NC	ND	ND	ND	ND
4-Methyl-2-pentanone	NC	ND	ND	ND	ND
Toluene	700	8	ND	ND	ND
1,1,2-Trichloroethane	NC	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND
Ethylbenzene	1,000	130	***3,700***	ND	56 J
Xylenes (total)	260	***3400*** D	***33,000***	ND	***630***
Isopropylbenzene	NC	130	1,900	ND	60
n-Propylbenzene	3,900	93	2,400	ND	ND
2-Chlorotoluene	NC	72	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	***9700*** D	***17,000***	ND	2,000
4-Chlorotoluene	NC	ND	ND	ND	94
tert-Butylbenzene	5,900	ND	600 J	ND	100
1,2,4-Trimethylbenzene	3,600	***7800*** D	***30,000***	ND	1,100
sec-Butylbenzene	11,000	100	1,800	ND	200
4-Isopropyltoluene	NC	170	ND	ND	410
1,3-Dichlorobenzene	2,400	140	ND	ND	ND
1,4-Dichlorobenzene	1,800	***4600*** D	***3,900***	ND	440
n-Butylbenzene	12,000	ND	ND	ND	990
1,2 Dichlorobenzene	1,100	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NC	ND	ND	ND	86
1,2,4-Trichlorobenzene	NC	ND	ND	ND	ND
Hexachlorobutadiene	NC	ND	ND	ND	ND
Naphthalene	12,000	69	1,800	ND	71 B
1,2,3-Trichlorobenzene	NC	ND	ND	ND	ND
Total BTEX	NC	3,538	36,700	0	686
Total VOCs	<10,000	***26,484***	***96,100***	0	6,237
Total VOC TICs	NC	17,426 J	950,800 J	474 J	96,300 J

Notes:
All units in µg/kg
NC - No Soil Cleanup Objective
J - Estimated value
D - Diluted sample

BOLD/ITALICS - exceeds the unrestricted Soil Cleanup Objective
Shaded columns are the latest sampling data (March 2011)
Soil cleanup objectives taken from 6 NYCRR Part 375-6.8(a)
E - Result exceeds the calibration range, estimated value
Data validation was only performed on the March 2011 data

TABLE 3
MULTI SITE G - SMS INSTRUMENTS (SITE # 1-52-026)
PHOSTER SYSTEM SOIL SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY
COMPARISON OF 2006 THROUGH 2011 EVALUATION DATA

Sample Location	NYSDEC	DW	DW	DW
Sample ID	Unre-	DW-23.5-24.5	DW-23.5-24.5	DW-23.5-24.5
Laboratory ID	strictive	G2173-07A	H1787-16	K0333-11
Sample Date	Soil	11/19/08	9/16/09	3/1/11
Sample Depth (ft bgs)	Objective	23.5-24.5	23.5-24.5	23.5-24.5
Dichlorodifluoromethane	NC	ND	ND	ND
Acetone	50	30	ND	ND
Carbon Disulfide*	NC	ND	ND	ND
Methylene Chloride	50	ND	ND	ND
2-Butanone	120	ND	ND	ND
Chloroform	370	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND
Trichloroethene	470	ND	ND	ND
1,2-Dichloropropane	NC	ND	ND	ND
Bromodichloromethane	NC	ND	ND	ND
4-Methyl-2-pentanone	NC	ND	ND	ND
Toluene	700	ND	ND	ND
1,1,2-Trichloroethane	NC	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND
Ethylbenzene	1,000	ND	ND	220 J
Xylenes (total)	260	27	ND	***2,800*** J
Isopropylbenzene	NC	15 J	ND	320 J
n-Propylbenzene	3,900	ND	ND	440 J
2-Chlorotoluene	NC	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	4,500 D	1,300	3,300 J
4-Chlorotoluene	NC	ND	ND	ND
tert-Butylbenzene	5,900	240	ND	ND
1,2,4-Trimethylbenzene	3,600	130	160 J	3,500 J
sec-Butylbenzene	11,000	52	ND	370 J
4-Isopropyltoluene	NC	220	140 J	ND
1,3-Dichlorobenzene	2,400	270	ND	610 J
1,4-Dichlorobenzene	1,800	***1,900 D***	ND	ND
n-Butylbenzene	12,000	ND	670	2,000 J
1,2 Dichlorobenzene	1,100	ND	ND	ND
1,2-Dibromo-3-chloropropane	NC	ND	ND	ND
1,2,4-Trichlorobenzene	NC	ND	ND	ND
Hexachlorobutadiene	NC	ND	ND	ND
Naphthalene	12,000	ND	ND	170 J
1,2,3-Trichlorobenzene	NC	ND	ND	ND
Total BTEX	NC	27	0	3,020
Total VOCs	<10,000	7,384	2,270	**13,730**
Total VOC TICs	NC	83,500 NJ	203,300 NJ	

Notes:
All units in µg/kg
NC - No Soil Cleanup Objective
J - Estimated value
D - Diluted sample

BOLD/ITALICS - exceeds the unrestricted Soil Cleanup Objective
Shaded columns are the latest sampling data (March 2011)
Soil cleanup objectives taken from 6 NYCRR Part 375-6.8(a)
E - Result exceeds the calibration range, estimated value
Data validation was only performed on the March 2011 data

TABLE 3
MULTI SITE G - SMS INSTRUMENTS (SITE # 1-52-026)
PHOSTER SYSTEM SOIL SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY
COMPARISON OF 2006 THROUGH 2011 EVALUATION DATA

Sample Location	NYSDEC	DW	DW	DW	DW	DW
Sample ID	Unre-	DW-2930	DW-2930	DW 29-30	DW 29-30	DW 29-30
Laboratory ID	strictive	F0378-17A	G0076-19A	G2173-08A	H1787-17	K0333-12
Sample Date	Soil	3/23/07	1/17/08	11/19/08	9/16/09	3/1/11
Sample Depth (ft bgs)	Objective	29-30	29-30	29-30	29-30	29-30
Dichlorodifluoromethane	NC	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	3.4 J
Carbon Disulfide*	NC	ND	ND	ND	ND	ND
Methylene Chloride	50	ND	ND	13	ND	5.8
2-Butanone	120	ND	8	ND	ND	ND
Chloroform	370	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND
Trichloroethene	470	ND	ND	ND	ND	ND
1,2-Dichloropropane	NC	ND	ND	ND	ND	ND
Bromodichloromethane	NC	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NC	ND	ND	ND	ND	ND
Toluene	700	ND	2 J	ND	ND	ND
1,1,2-Trichloroethane	NC	ND	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND
Ethylbenzene	1,000	ND	ND	ND	ND	ND
Xylenes (total)	260	ND	ND	ND	ND	ND
Isopropylbenzene	NC	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	ND	ND	ND	ND	ND
2-Chlorotoluene	NC	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	ND	ND	ND	ND	ND
4-Chlorotoluene	NC	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	2 J	ND	ND	ND	ND
sec-Butylbenzene	11,000	ND	ND	ND	ND	ND
4-Isopropyltoluene	NC	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	ND	ND	ND	ND	ND
1,2 Dichlorobenzene	1,100	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NC	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NC	ND	ND	ND	ND	ND
Hexachlorobutadiene	NC	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NC	ND	ND	ND	ND	ND
Total BTEX	NC	0	2	0	0	0
Total VOCs	<10,000	2	10	13	0	9.2
Total VOC TICs	NC	159 J	ND	ND	ND	

Notes:
All units in µg/kg
NC - No Soil Cleanup Objective
J - Estimated value
D - Diluted sample

BOLD/ITALICS - exceeds the unrestricted Soil Cleanup Objective
Shaded columns are the latest sampling data (March 2011)
Soil cleanup objectives taken from 6 NYCRR Part 375-6.8(a)
E - Result exceeds the calibration range, estimated value
Data validation was only performed on the March 2011 data

TABLE 3
MULTI SITE G - SMS INSTRUMENTS (SITE # 1-52-026)
PHOSTER SYSTEM SOIL SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY
COMPARISON OF 2006 THROUGH 2011 EVALUATION DATA

Sample Location	NYSDEC	DW	DWB	DWB	DWB	DWB	DWB
Sample ID	Unre-	DW-3031	DWB-1920	DWB-1920	DWB 19-20	DWB 19-20	DWB 19-20
Laboratory ID	strictive	E0901-05B	F0378-18A	G0076-14A	G2137-02A	H1787-18	K0333-07
Sample Date	Soil	6/28/06	3/23/07	1/17/08	11/19/08	9/16/09	3/1/11
Sample Depth (ft bgs)	Objective	30-31	19-20	19-20	19-20	19-20	19-20
Dichlorodifluoromethane	NC	ND	ND	ND	ND	ND	2.2 J
Acetone	50	ND	ND	ND	ND	ND	ND
Carbon Disulfide*	NC	ND	ND	ND	ND	ND	ND
Methylene Chloride	50	ND	ND	ND	ND	ND	ND
2-Butanone	120	ND	ND	3 J	ND	ND	ND
Chloroform	370	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND	ND
Trichloroethene	470	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NC	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NC	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NC	ND	ND	ND	ND	ND	ND
Toluene	700	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NC	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND	ND
Ethylbenzene	1,000	ND	ND	ND	ND	ND	ND
Xylenes (total)	260	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NC	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	NC	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	NC	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	NC	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	ND	ND	ND	ND	ND	ND
1,2 Dichlorobenzene	1,100	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NC	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NC	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NC	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NC	ND	ND	ND	ND	ND	ND
Total BTEX	NC	0	0	0	0	0	0
Total VOCs	<10,000	0	0	3	0	0	2.2
Total VOC TICs	NC	ND	1,179 J	39 J	0	0	0

Notes:
All units in µg/kg
NC - No Soil Cleanup Objective
J - Estimated value
D - Diluted sample

BOLD/ITALICS - exceeds the unrestricted Soil Cleanup Objective
Shaded columns are the latest sampling data (March 2011)
Soil cleanup objectives taken from 6 NYCRR Part 375-6.8(a)
E - Result exceeds the calibration range, estimated value
Data validation was only performed on the March 2011 data

TABLE 3
MULTI SITE G - SMS INSTRUMENTS (SITE # 1-52-026)
PHOSTER SYSTEM SOIL SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY
COMPARISON OF 2006 THROUGH 2011 EVALUATION DATA

Sample Location	NYSDEC	DWB	DWB	DWB	DWB	DWB
Sample ID	Unre-	DWB-2425	DWB-2425	DWB 23.5-24.5	DWB 23.5-24.5	DWB 23.5-24.5
Laboratory ID	strictive	F0378-19A	G0076-15A	G2173-09A	H1787-19	K0333-08
Sample Date	Soil	3/23/07	1/17/08	11/19/08	9/16/09	3/1/11
Sample Depth (ft bgs)	Objective	24-25	24-25	23.5 - 24.5	23.5 - 24.5	23.5 - 24.5
Dichlorodifluoromethane	NC	ND	ND	ND	ND	2.1 J
Acetone	50	ND	3 J	***67***	ND	7.9 J
Carbon Disulfide*	NC	ND	ND	ND	ND	ND
Methylene Chloride	50	ND	ND	ND	ND	5.3 J
2-Butanone	120	ND	6	ND	ND	ND
Chloroform	370	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND
Trichloroethene	470	ND	ND	ND	ND	ND
1,2-Dichloropropane	NC	ND	1 J	ND	ND	ND
Bromodichloromethane	NC	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NC	ND	ND	ND	ND	ND
Toluene	700	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NC	ND	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND
Ethylbenzene	1,000	***3,100*** D	ND	ND	ND	ND
Xylenes (total)	260	***23,000*** D	9	22	ND	ND
Isopropylbenzene	NC	5,200 D	1 J	33	ND	2.1 J
n-Propylbenzene	3,900	***10,000*** D	ND	48	ND	2.1 J
2-Chlorotoluene	NC	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	***41,000*** D	75	4,400 D	150 J	3.8 J
4-Chlorotoluene	NC	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	ND	3 J	54	330 J	ND
1,2,4-Trimethylbenzene	3,600	***73,000*** D	76	***4,300*** D	ND	9.2 J
sec-Butylbenzene	11,000	2,200 E	5 J	83	1,600	19 J
4-Isopropyltoluene	NC	4,700 D	13	240	2,400	28 J
1,3-Dichlorobenzene	2,400	ND	ND	33	ND	ND
1,4-Dichlorobenzene	1,800	1,400	5 J	90	ND	ND
n-Butylbenzene	12,000	***17,000*** D	29	270	4,400	66 J
1,2 Dichlorobenzene	1,100	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NC	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NC	ND	ND	ND	ND	ND
Hexachlorobutadiene	NC	ND	ND	ND	ND	1.1 J
Naphthalene	12,000	940	3 JB	ND	ND	ND
1,2,3-Trichlorobenzene	NC	ND	ND	ND	ND	ND
Total BTEX	NC	26,100	9	22	0	0
Total VOCs	<10,000	***181,540***	229	9,640	8,880	146.6
Total VOC TICs	NC	9,660 J	7,080 J	9,430 NJ	458,000 NJ	

Notes:
All units in µg/kg
NC - No Soil Cleanup Objective
J - Estimated value
D - Diluted sample

BOLD/ITALICS - exceeds the unrestricted Soil Cleanup Objective
Shaded columns are the latest sampling data (March 2011)
Soil cleanup objectives taken from 6 NYCRR Part 375-6.8(a)
E - Result exceeds the calibration range, estimated value
Data validation was only performed on the March 2011 data

TABLE 3
MULTI SITE G - SMS INSTRUMENTS (SITE # 1-52-026)
PHOSTER SYSTEM SOIL SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY
COMPARISON OF 2006 THROUGH 2011 EVALUATION DATA

Sample Location	NYSDEC	DWB	DWB	DWB	DWB	DWB
Sample ID	Unre-	DWB-2930	DWB-2930	DWB 29-30	DWB 29-30	DWB 29-30
Laboratory ID	strictive	F0378-20A	G0076-16A	G2173-10A	H1787-20	K0333-09
Sample Date	Soil	3/23/07	1/17/08	11/19/08	9/16/09	3/1/11
Sample Depth (ft bgs)	Objective	29-30	29-30	29-30	29-30	29-30
Dichlorodifluoromethane	NC	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	3.7 J
Carbon Disulfide*	NC	ND	ND	ND	ND	ND
Methylene Chloride	50	ND	ND	12	ND	6.4
2-Butanone	120	ND	ND	ND	ND	ND
Chloroform	370	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	ND	ND	ND	ND	ND
Trichloroethene	470	ND	ND	ND	ND	ND
1,2-Dichloropropane	NC	ND	4 J	ND	ND	ND
Bromodichloromethane	NC	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NC	ND	ND	ND	ND	ND
Toluene	700	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NC	ND	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND
Ethylbenzene	1,000	ND	ND	ND	ND	ND
Xylenes (total)	260	ND	ND	ND	ND	ND
Isopropylbenzene	NC	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	ND	ND	ND	ND	ND
2-Chlorotoluene	NC	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	ND	ND	ND	ND	ND
4-Chlorotoluene	NC	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	ND	ND	ND	ND	ND
4-Isopropyltoluene	NC	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	ND	ND	ND	ND	ND
1,2 Dichlorobenzene	1,100	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NC	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NC	ND	ND	ND	ND	ND
Hexachlorobutadiene	NC	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NC	ND	ND	ND	ND	ND
Total BTEX	NC	0	0	0	0	0
Total VOCs	<10,000	0	4	12	0	10.1
Total VOC TICs	NC	51 J	7 J	0	0	0

Notes:
All units in µg/kg
NC - No Soil Cleanup Objective
J - Estimated value
D - Diluted sample

BOLD/ITALICS - exceeds the unrestricted Soil Cleanup Objective
Shaded columns are the latest sampling data (March 2011)
Soil cleanup objectives taken from 6 NYCRR Part 375-6.8(a)
E - Result exceeds the calibration range, estimated value
Data validation was only performed on the March 2011 data

TABLE 4
SMS INSTRUMENTS SITE (1-25-026)
WELL CONSTRUCTION DATA

Well Number	Northing	Easting	GPS Latitude	GPS Longitude	Ground Elevation	Top of Riser Elevation	Top of Casing Elevation	Total Depth of Well
MW-1	4,932.30	5,066.36	40º 45.691'	73º 18.969'	73.7	73.18	73.71	30.3
MW-2	5,030.89	5,162.26	40º 45.712'	73º 18.951'	72.7	72.34	72.73	28.5
MW-3	5,046.01	5,262.27	40º 45.716'	73º 18.930'	72.0	71.40	72.00	26.0
MW-4	4,947.99	5,389.05	40º 45.702'	73º 18.902'	72.7	72.04	72.70	29.6
MW-5	4,864.24	5,367.21	40º 45.689'	73º 18.911'	71.5	70.87	71.54	20.6
MW-6S	4,861.60	5,322.33	40º 45.690'	73º 18.915'	71.2	70.64	71.17	26.2
MW-6D	4,861.31	5,315.87	40º 45.690'	73º 18.919'	71.2	70.70	71.16	95.7
MW-7	4,842.41	5,095.83	40º 45.676'	73º 18.960'	72.6	72.09	72.64	28.7
MW-8	5,155.39	5,151.21	40º 45.728'	73º 18.959'	71.7	71.22	71.70	29.1
MW-9	5,162.70	5,331.93	40º 45.729'	73º 18.923'	71.1	70.58	71.11	28.8
MW-11	4,428.51	5,520.19	Missing		68.1	67.54	68.12	16.5
MW-12	4,426.77	5,391.08	40º 45.613'	73º 18.910'	70.4	69.82	70.43	47.5
MW-13	4,411.78	5,252.31	40º 45.617'	73º 18.907'	71.6	71.16	71.62	36.9
MW-13D	4,420.90	5,267.66	40º 45.620'	73º 18.881'	72.1	71.20	72.06	101.4
MW-14	4,404.80	5,114.02	40º 45.610'	73º 18.932'	71.8	71.29	71.84	45.9
MW-15	4,702.67	5,120.87	40º 45.658'	73º 18.945'	72.0	71.55	72.01	36.6
MW-16S	4,712.87	5,226.27	40º 45.690'	73º 18.915'	72.0	71.47	72.03	36.9
MW-16M	4,713.25	5,233.41	40º 45.690'	73º 18.927'	72.2	71.59	72.17	56.7
MW-16D	4,714.18	5,239.60	40º 45.690'	73º 18.919'	72.1	71.62	72.10	76.9
MW-17	4,745.67	5,393.99	40º 45.671'	73º 18.893'	71.7	71.19	71.68	36.5

Notes:
All elevations and depths in feet
GPS coordinates collected using a Magellan hand-held GPS unit
Field survey performed by YEC, Inc., on March 23, 2007, northings and eastings defined by an arbitrary benchmark located on Markus Blvd by the north driveway entrance
Vertical datum: NAVD 88, for NGVD 29, add 1.13 feet

TABLE 5
SMS INSTRUMENTS SITE (1-52-026)
GROUNDWATER ELEVATIONS

Well #	Reference Elevation	Date	Depth To Water	Water Table Elevation	Comments
MW-1	73.18	2/7/06	17.27	55.91	
		8/13/07	17.98	55.20	
		11/5/08	19.25	53.93	
		3/8/10	18.37	54.81	
		2/28/11	21.03	52.15	
MW-2	72.34	2/7/06	16.26	56.08	
		8/13/07	16.91	55.43	
		11/5/08	18.19	54.15	
		3/8/10	17.36	54.98	
		2/28/11	20.00	52.34	
MW-3	71.40	2/7/06	15.29	56.11	
		8/13/07	15.95	55.45	
		11/5/08	17.22	54.18	
		3/8/10	16.41	54.99	
		2/28/11	19.01	52.39	
MW-4	72.04	2/7/06	15.99	56.05	
		8/13/07	16.68	55.36	
		11/5/08	17.99	54.05	
		3/8/10	17.18	54.86	
		2/28/11	19.70	52.34	
MW-5	70.87	2/7/06	15.04	55.83	
		8/13/07	15.72	55.15	
		11/5/08	16.99	53.88	
		3/8/10	16.16	54.71	
		2/28/11	18.71	52.16	
MW-6S	70.64	2/7/06	14.82	55.82	
		8/13/07	15.51	55.13	
		11/5/08	16.73	53.91	
		3/8/10	15.94	54.70	
		2/28/11	18.55	52.09	
MW-6D	70.70	2/7/06	14.90	55.80	
		8/13/07	15.59	55.11	
		11/5/08	16.75	53.95	
		3/8/10	16.02	54.68	
		2/28/11	18.70	52.00	

TABLE 5
SMS INSTRUMENTS SITE (1-52-026)
GROUNDWATER ELEVATIONS

Well #	Reference Elevation	Date	Depth To Water	Water Table Elevation	Comments
MW-7	72.09	2/7/06	16.33	55.76	
		8/13/07	17.06	55.03	
		11/5/08	18.28	53.81	
		3/8/10	17.41	54.68	
		2/28/11	20.07	52.02	
MW-8	71.22	2/7/06	14.91	56.31	
		2/7/06	15.54	55.68	
		11/5/08	16.85	54.37	
		3/8/10	16.02	55.20	
		2/28/11	18.68	52.54	
MW-9	70.58	2/7/06	14.21	56.37	
		8/13/07	14.87	55.71	
		11/5/08	16.24	54.34	
		3/8/10	15.35	55.23	
		2/28/11	17.97	52.61	
MW-11	67.54	2/7/06	12.62	54.92	
		8/13/07			could not locate
		11/5/08			could not locate
		3/8/10			could not locate
		2/28/11			could not locate
MW-12	69.82	2/7/06	14.88	54.94	
		8/13/07	15.57	54.25	
		11/5/08	16.78	53.04	
		3/8/10	15.85	53.97	
		2/28/11	18.41	51.41	
MW-13	71.16	2/7/06	16.26	54.90	
		8/13/07	17.08	54.08	
		11/5/08	18.19	52.97	
		3/8/10	17.24	53.92	
		2/28/11	19.85	51.31	
MW-13D	71.20	2/7/06	16.33	54.87	
		8/13/07	17.01	54.19	
		11/5/08	18.24	52.96	
		3/8/10	17.28	53.92	
		2/28/11	19.90	51.30	

TABLE 5
SMS INSTRUMENTS SITE (1-52-026)
GROUNDWATER ELEVATIONS

Well #	Reference Elevation	Date	Depth To Water	Water Table Elevation	Comments
MW-14	71.29	2/7/06	16.39	54.90	
		8/13/07	17.24	54.05	
		11/5/08	18.33	52.96	
		3/8/10	17.33	53.96	
		2/28/11	20.00	51.29	
MW-15	71.55	2/7/06	16.06	55.49	
		8/13/07	16.78	54.77	
		11/5/08	18.03	53.52	
		3/8/10	17.10	54.45	
		2/28/11	19.77	51.78	
MW-16S	71.47	2/7/06	15.95	55.52	
		8/13/07	16.64	54.83	
		11/5/08	17.90	53.57	
		3/8/10	17.01	54.46	
		2/28/11	19.60	51.87	
MW-16M	71.59	2/7/06	16.06	55.53	
		8/13/07	16.75	54.84	
		11/5/08	18.01	53.58	
		3/8/10	17.14	54.45	
		2/28/11	19.70	51.89	
MW-16D	71.62	2/7/06	16.10	55.52	
		8/13/07	16.79	54.83	
		11/5/08	18.05	53.57	
		3/8/10	17.15	54.47	
		2/28/11	19.77	51.85	
MW-17	71.19	2/7/06	15.51	55.68	
		8/13/07	16.26	54.93	
		11/5/08	17.51	53.68	
		3/8/10	16.66	54.53	
		2/28/11	19.20	51.99	

All readings are from top of PVC casing.
All measurements are in feet.

TABLE 6
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	EW-1	EW-1	EW-1	EW-1	EW-1	EW-1
Sample ID	Class GA	SMS-EW-1	SMS-EW-1	SMS-EW-1	SMS-EW-1	SMS-EW-1	SMS-EW-1
Laboratory ID	Ground	E0136-20A					
Sample Date	Water	2/9/06	09-12-06	08-14-07	11/5/08	3/8/10	3/1/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Vinyl Chloride	2	ND	NA	NA	NA	NA	NA
Acetone	50	ND	NA	NA	NA	NA	NA
Methyl tert-butyl ether	10	ND	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	ND	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	ND	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5	ND	NA	NA	NA	NA	NA
Tetrachloroethene	5	ND	NA	NA	NA	NA	NA
Trichloroethene	5	ND	NA	NA	NA	NA	NA
Chlorobenzene	5	***32.0***	NA	NA	NA	NA	NA
Chloroform	7	ND	NA	NA	NA	NA	NA
Chloromethane	NC	ND	NA	NA	NA	NA	NA
Ethylbenzene	5	1.0 J	NA	NA	NA	NA	NA
Toluene	5	ND	NA	NA	NA	NA	NA
Xylene (Total)	5	5.0	NA	NA	NA	NA	NA
Isopropylbenzene	5	ND	NA	NA	NA	NA	NA
n-Propylbenzene	5	ND	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	5	ND	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	ND	NA	NA	NA	NA	NA
sec-Butylbenzene	5	ND	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	ND	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	ND	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	ND	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	ND	NA	NA	NA	NA	NA
Hexachlorobutadiene	0.5	ND	NA	NA	NA	NA	NA
Naphthalene	10	ND	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	5	ND	NA	NA	NA	NA	NA
Number of TICs		0	NA	NA	NA	NA	NA
Total TICs		ND	NA	NA	NA	NA	NA

Notes: ND - Not Detected
J - Estimated value
NC - No criterion
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 6
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	EW-2	EW-2	EW-2	EW-2	EW-2	EW-2
Sample ID	Class GA	SMS-EW-2	SMS-EW-2	SMS-EW-2	SMS-EW-2	SMS-EW-2	SMS-EW-2
Laboratory ID	Ground	E0203-03C					
Sample Date	Water	2/23/06	09-12-06	08-14-07	11/5/08	3/8/10	3/1/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Vinyl Chloride	2	ND	NA	NA	NA	NA	NA
Acetone	50	ND	NA	NA	NA	NA	NA
Methyl tert-butyl ether	10	ND	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	ND	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	ND	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	5	ND	NA	NA	NA	NA	NA
Tetrachloroethene	5	ND	NA	NA	NA	NA	NA
Trichloroethene	5	ND	NA	NA	NA	NA	NA
Chlorobenzene	5	ND	NA	NA	NA	NA	NA
Chloroform	7	ND	NA	NA	NA	NA	NA
Chloromethane	NC	ND	NA	NA	NA	NA	NA
Ethylbenzene	5	ND	NA	NA	NA	NA	NA
Toluene	5	ND	NA	NA	NA	NA	NA
Xylene (Total)	5	ND	NA	NA	NA	NA	NA
Isopropylbenzene	5	ND	NA	NA	NA	NA	NA
n-Propylbenzene	5	ND	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	5	ND	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	ND	NA	NA	NA	NA	NA
sec-Butylbenzene	5	ND	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	ND	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	ND	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	3	ND	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	ND	NA	NA	NA	NA	NA
Hexachlorobutadiene	0.5	ND	NA	NA	NA	NA	NA
Naphthalene	10	ND	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	5	ND	NA	NA	NA	NA	NA
Number of TICs		0	0	0	0	0	0
Total TICs		ND	NA	NA	NA	NA	NA

Notes: ND - Not Detected
J - Estimated value
NC - No criterion
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 6
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
Sample ID	Class GA	SMS-MW-1	SMS-MW-1	SMS-MW-1	SMS-MW-1	SMS-MW-1	MW-1
Laboratory ID	Ground	E0153-03A	E1376-16A	F1135-05A	G2029-10C	J0398-04A	K0332-13
Sample Date	Water	2/10/06	09-12-06	08-14-07	11/5/08	3/09/10	3/2/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	***14.0***	4 J	ND	ND	ND	1.5 J
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND
Chloromethane	NC	ND	ND	ND	ND	3.3 J	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Xylene (Total)	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Number of TICs		0	0	0	0	0	0
Total TICs		ND	ND	ND	ND	NA	NA

Notes: ND - Not Detected
J - Estimated value
NC - No criterion
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 6
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2
Sample ID	Class GA	SMS-MW-2	SMS-MW-2	SMS-MW-2	SMS-MW-2	SMS-MW-2	MW-2
Laboratory ID	Ground	E0136-03A	E1376-17A	F1135-13A	G2029-02C	J0398-05A	K0332-05
Sample Date	Water	2/7/06	09-12-06	08-15-07	11/4/08	3/9/10	3/1/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND
Chloromethane	NC	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Xylene (Total)	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	1 J	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Number of TICs		0	0	0	0	0	0
Total TICs		ND	ND	ND	ND	NA	NA

Notes: ND - Not Detected
J - Estimated value
NC - No criterion
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 6
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3
Sample ID	Class GA	SMS-MW-3	SMS-MW-3	SMS-MW-3	SMS-MW-3	SMS-MW-3	MW-3
Laboratory ID	Ground	E0153-05A	E1376-12A	F1135-11A	G2029-03C	J0398-06A	K03332-04
Sample Date	Water	2/10/06	09-12-06	08-15-07	11/4/08	3/9/10	3/1/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Vinyl Chloride	2	ND	ND	***8***	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	***8***	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	1.2 J	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND
Chloromethane	NC	ND	ND	ND	ND	4.2 J	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Xylene (Total)	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Number of TICs		0	0	0	0	0	0
Total TICs		ND	ND	ND	0	NA	NA

Notes: ND - Not Detected
J - Estimated value
NC - No criterion
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 6
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
Sample ID	Class GA	SMS-MW-4	SMS-MW-4	SMS-MW-4	SMS-MW-4	SMS-MW-4	MW-4
Laboratory ID	Ground	E0153-01A	E1376-14A	F1135-14A	G2029-04C	J0398-14A	K0332-03
Sample Date	Water	2/9/06	09-12-06	08-15-07	11/4/08	3/11/10	3/1/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	1.4 J	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND
Chloromethane	NC	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Xylene (Total)	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Number of TICs		0	0	0	0	0	0
Total TICs		ND	ND	ND	ND	NA	NA

Notes: ND - Not Detected
J - Estimated value
NC - No criterion
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 6
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-5		MW-5		MW-5		MW-5		MW-5		MW-5	
Sample ID	Class GA	SMS-MW-5		SMS-MW-5		SMS-MW-5		SMS-MW-5		SMS-MW-5		MW-5	
Laboratory ID	Ground	E0136-19A		E1376-03A		F1135-03A		G2029-05C		J0398-11A		K0332-02	
Sample Date	Water	2/9/06		09-11-06		08-14-07		11/4/08		3/10/10		3/1/11	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		conc	Q	conc	Q	conc	Q	conc	Q	conc	Q	conc	Q
Vinyl Chloride	2	ND		ND		ND		ND		ND		ND	
Acetone	50	ND		ND		ND		ND		ND		ND	
Methyl tert-butyl ether	10	ND		ND		ND		ND		ND		ND	
1,1-Dichloroethane	5	ND		ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	5	ND		ND		ND		ND		ND		ND	
1,1,1-Trichloroethane	5	ND		ND		ND		ND		ND		ND	
Tetrachloroethene	5	ND		ND		ND		ND		ND		ND	
Trichloroethene	5	ND		ND		ND		ND		ND		ND	
Chlorobenzene	5	ND		ND		ND		ND		ND		ND	
Chloroform	7	ND		ND		ND		ND		ND		ND	
Chloromethane	NC	ND		ND		ND		ND		ND		ND	
Ethylbenzene	5	ND		ND		ND		ND		ND		ND	
Toluene	5	ND		ND		ND		ND		ND		ND	
Xylene (Total)	5	ND		ND		ND		ND		ND		ND	
Isopropylbenzene	5	ND		ND		ND		ND		ND		ND	
n-Propylbenzene	5	ND		ND		ND		ND		ND		ND	
1,3,5-Trimethylbenzene	5	ND		ND		ND		ND		ND		ND	
1,2,4-Trimethylbenzene	5	ND		ND		ND		ND		ND		ND	
sec-Butylbenzene	5	ND		ND		ND		ND		ND		ND	
1,3-Dichlorobenzene	3	ND		ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	3	ND		ND		ND		ND		ND		ND	
1,2-Dichlorobenzene	3	ND		ND		ND		ND		ND		ND	
1,2,4-Trichlorobenzene	5	ND		ND		ND		ND		ND		ND	
Hexachlorobutadiene	0.5	ND		ND		ND		ND		ND		ND	
Naphthalene	10	ND		ND		ND		ND		ND		ND	
1,2,3-Trichlorobenzene	5	ND		ND		ND		ND		ND		ND	
Number of TICs		0		0		0		0		0		0	
Total TICs		ND		ND		ND		ND		NA		NA	

Notes: ND - Not Detected
J - Estimated value
NC - No criterion
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 6
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D	MW-6D
Sample ID	Class GA	SMS-MW-6D	SMS-MW-6D	SMS-MW-6D	SMS-MW-6D	SMS-MW-6D	MW-6D
Laboratory ID	Ground	E0136-17A	E1376-05A	F1135-02A	G2029-07C	J0398-10A	K0332-15
Sample Date	Water	2/9/06	09-11-06	08-14-07	11/5/08	3/10/10	3/3/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND
Chloromethane	NC	ND	ND	ND	ND	5.9	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Xylene (Total)	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	1 J	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	***2 J***	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	2 J	ND	ND	ND	ND
Number of TICs		0	0	0	0	0	0
Total TICs		ND	ND	ND	ND	NA	NA

Notes: ND - Not Detected
J - Estimated value
NC - No criterion
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
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Data validation performed on March 2011 data only

TABLE 6
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S
Sample ID	Class GA	SMS-MW-6S	SMS-MW-6S	SMS-MW-6S	SMS-MW-6S	SMS-MW-6S	MW-6S
Laboratory ID	Ground	E0136-13A	E1376-01A	F1135-01A	G2029-08C	J0398-9A	K0332-16
Sample Date	Water	2/8/06	09-11-06	08-14-07	11/5/08	3/10/10	3/3/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	1.0 J	ND	2 J	1.1 J	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND
Chloromethane	NC	ND	ND	ND	ND	5.1	ND
Ethylbenzene	5	ND	2 J	ND	1.2 J	ND	2.3 J
Toluene	5	ND	ND	ND	ND	ND	ND
Xylene (Total)	5	ND	***5***	4 J	4.1 J	ND	***10***
Isopropylbenzene	5	ND	ND	1 J	1.6 J	ND	ND
n-Propylbenzene	5	ND	ND	ND	2 J	ND	ND
1,3,5-Trimethylbenzene	5	ND	3 J	***5***	***11***	1.7 J	4.9 J
1,2,4-Trimethylbenzene	5	ND	***6***	***11***	***21***	ND	***5.1***
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	2 J	1.7 J	ND	1.6 J
1,4-Dichlorobenzene	3	ND	2 J	***4 J***	***3.2 J***	ND	***3.5 J***
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	1 J	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Number of TICs		0	0	0	1	0	0
Total TICs		ND	ND	ND	0 NJ	NA	NA

Notes: ND - Not Detected
J - Estimated value
NC - No criterion
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
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Data validation performed on March 2011 data only

TABLE 6
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-7		MW-7		MW-7		MW-7		MW-7	
Sample ID	Class GA	SMS-MW-7		SMS-MW-7		SMS-MW-7		SMS-MW-7		SMS-MW-7	
Laboratory ID	Ground	E0153-07A		E1376-07A		F1135-04A		G2029-09C		J0398-08A	
Sample Date	Water	2/10/06		09-11-06		08-14-07		11/5/08		3/10/10	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L	
		conc	Q	conc	Q	conc	Q	conc	Q	conc	Q
Vinyl Chloride	2	ND		ND		ND		ND		ND	
Acetone	50	ND		ND		ND		ND		ND	
Methyl tert-butyl ether	10	ND		ND		ND		ND		ND	
1,1-Dichloroethane	5	1.0	J	3	J	***13***	***J***	2.3	J	ND	
cis-1,2-Dichloroethene	5	ND		ND		ND		ND		ND	
1,1,1-Trichloroethane	5	ND		1	J	4	J	ND		ND	
Tetrachloroethene	5	ND		ND		ND		ND		1.6	J
Trichloroethene	5	ND		ND		ND		ND		ND	
Chlorobenzene	5	ND		ND		ND		ND		ND	
Chloroform	7	ND		ND		ND		ND		ND	
Chloromethane	NC	ND		ND		ND		ND		ND	
Ethylbenzene	5	ND		ND		ND		ND		ND	
Toluene	5	ND		ND		ND		ND		ND	
Xylene (Total)	5	ND		ND		ND		ND		ND	
Isopropylbenzene	5	ND		ND		ND		ND		ND	
n-Propylbenzene	5	ND		ND		ND		ND		ND	
1,3,5-Trimethylbenzene	5	ND		ND		ND		ND		ND	
1,2,4-Trimethylbenzene	5	ND		ND		ND		ND		ND	
sec-Butylbenzene	5	ND		ND		ND		ND		ND	
1,3-Dichlorobenzene	3	ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	3	ND		ND		ND		ND		ND	
1,2-Dichlorobenzene	3	ND		ND		ND		ND		ND	
1,2,4-Trichlorobenzene	5	ND		ND		ND		ND		ND	
Hexachlorobutadiene	0.5	ND		ND		ND		ND		ND	
Naphthalene	10	ND		ND		ND		ND		ND	
1,2,3-Trichlorobenzene	5	ND		ND		ND		ND		ND	
Number of TICs		0		0		0		0		0	
Total TICs		ND		ND		ND		ND		NA	

Notes: ND - Not Detected
J - Estimated value
NC - No criterion
Bold/Italics - Exceeds criterion
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TABLE 6
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
Sample ID	Class GA	SMS-MW-8	SMS-MW-8	SMS-MW-8	SMS-MW-8	SMS-MW-8	MW-8
Laboratory ID	Ground	E0136-01A	E1376-02A	F1135-07A	G2029-01C	J0398-03A	K0332-07
Sample Date	Water	2/7/06	09-11-06	08-14-07	11/4/08	3/9/10	3/2/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	5.8	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	1.6 J	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND
Chloromethane	NC	ND	ND	ND	3.5 J	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Xylene (Total)	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Number of TICs		0	0	0	0	0	0
Total TICs		ND	ND	ND	ND	NA	NA

Notes: ND - Not Detected
J - Estimated value
NC - No criterion
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
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TABLE 6
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9
Sample ID	Class GA	SMS-MW-9	SMS-MW-9	SMS-MW-9	SMS-MW-9	SMS-MW-9	MW-9
Laboratory ID	Ground	E0136-02A	E1376-15A	F1135-06A	G2029-16C	J0398-01A	K0332-12
Sample Date	Water	2/7/06	09-12-06	08-14-07	11/6/08	3/9/10	3/2/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND
Chloromethane	NC	ND	ND	ND	ND	4.6 J	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Xylene (Total)	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	1.3 J	1.7 J
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Number of TICs		0	0	0	1	0	0
Total TICs		ND	ND	ND	28 J	NA	NA

Notes: ND - Not Detected
J - Estimated value
NC - No criterion
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
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TABLE 6
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11
Sample ID	Class GA	SMS-MW-11	SMS-MW-11	SMS-MW-11	SMS-MW-11	SMS-MW-11	
Laboratory ID	Ground	E0136-05A	E1400-06A				
Sample Date	Water	2/8/06	09-13-06	08-14-07	11/7/08	3/10/10	2/28/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Vinyl Chloride	2	ND	ND	NA	NA	NA	NA
Acetone	50	ND	ND	NA	NA	NA	NA
Methyl tert-butyl ether	10	ND	ND	NA	NA	NA	NA
1,1-Dichloroethane	5	ND	ND	NA	NA	NA	NA
cis-1,2-Dichloroethene	5	ND	ND	NA	NA	NA	NA
1,1,1-Trichloroethane	5	ND	ND	NA	NA	NA	NA
Tetrachloroethene	5	ND	ND	NA	NA	NA	NA
Trichloroethene	5	ND	ND	NA	NA	NA	NA
Chlorobenzene	5	ND	ND	NA	NA	NA	NA
Chloroform	7	ND	ND	NA	NA	NA	NA
Chloromethane	NC	ND	ND	NA	NA	NA	NA
Ethylbenzene	5	ND	ND	NA	NA	NA	NA
Toluene	5	ND	ND	NA	NA	NA	NA
Xylene (Total)	5	ND	ND	NA	NA	NA	NA
Isopropylbenzene	5	ND	ND	NA	NA	NA	NA
n-Propylbenzene	5	ND	ND	NA	NA	NA	NA
1,3,5-Trimethylbenzene	5	ND	ND	NA	NA	NA	NA
1,2,4-Trimethylbenzene	5	ND	ND	NA	NA	NA	NA
sec-Butylbenzene	5	ND	ND	NA	NA	NA	NA
1,3-Dichlorobenzene	3	ND	ND	NA	NA	NA	NA
1,4-Dichlorobenzene	3	ND	ND	NA	NA	NA	NA
1,2-Dichlorobenzene	3	ND	ND	NA	NA	NA	NA
1,2,4-Trichlorobenzene	5	ND	ND	NA	NA	NA	NA
Hexachlorobutadiene	0.5	ND	ND	NA	NA	NA	NA
Naphthalene	10	ND	ND	NA	NA	NA	NA
1,2,3-Trichlorobenzene	5	ND	ND	NA	NA	NA	NA
Number of TICs		0	0	0	0	0	0
Total TICs		ND	ND	NA	NA	NA	NA

Notes: ND - Not Detected
J - Estimated value
NC - No criterion
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
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TABLE 6
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12
Sample ID	Class GA	SMS-MW-12	SMS-MW-12	SMS-MW-12	SMS-MW-12	SMS-MW-12	MW-12
Laboratory ID	Ground	E0136-06A	E1400-05A	F1159-04A	G2029-23C	J0445-03A	K0332-10
Sample Date	Water	2/8/06	09-13-06	08-17-07	11/7/08	3/12/10	3/3/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND
Chloromethane	NC	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Xylene (Total)	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Number of TICs		0	0	0	1	0	0
Total TICs		ND	ND	ND	31 J	NA	NA

Notes: ND - Not Detected
J - Estimated value
NC - No criterion
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
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Data validation performed on March 2011 data only

TABLE 6
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13
Sample ID	Class GA	SMS-MW-13	SMS-MW-13	SMS-MW-13	SMS-MW-13S	SMS-MW-13S	MW-13
Laboratory ID	Ground	E0136-07A	E1400-01A	F1159-03A	G2029-21C	J0445-02A	K0332-18
Sample Date	Water	2/8/06	09-13-06	8/17/07	11/7/08	3/12/10	3/4/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	1.0 J	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	***7.4***
Chlorobenzene	5	ND	2 J	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND
Chloromethane	NC	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Xylene (Total)	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	***4.6 J***
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Number of TICs		0	0	0	1	0	0
Total TICs		ND	ND	ND	34 J	NA	NA

Notes: ND - Not Detected
J - Estimated value
NC - No criterion
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 6
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D
Sample ID	Class GA	SMS-MW-13D	SMS-MW-13D	SMS-MW-13D	SMS-MW-13D	SMS-MW-13D	MW-13D
Laboratory ID	Ground	E0136-09A	E1400-02A	F1135-19A	G2029-22C	J0398-19A	K0332-19
Sample Date	Water	2/8/06	09-13-06	08-16-07	11/7/08	3/11/10	3/4/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND
Chloromethane	NC	ND	ND	ND	ND	2.9 J	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Xylene (Total)	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Number of TICs		0	0	0	1	0	0
Total TICs		ND	ND	ND	36 J	NA	NA

Notes: ND - Not Detected
J - Estimated value
NC - No criterion
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 6
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14
Sample ID	Class GA	SMS-MW-14	SMS-MW-14	SMS-MW-14	SMS-MW-14	SMS-MW-14	MW-14
Laboratory ID	Ground	E0136-08A	E1400-07A	F1135-18A	G2029-19C	J0445-01A	K0332-17
Sample Date	Water	2/8/06	09-13-06	08-16-07	11/7/08	3/12/10	3/3/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	6	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND
Chloromethane	NC	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Xylene (Total)	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	2.2 J
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Number of TICs		0	0	0	1	0	0
Total TICs		ND	ND	ND	30 J	NA	NA

Notes: ND - Not Detected
J - Estimated value
NC - No criterion
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 6
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15
Sample ID	Class GA	SMS-MW-15	SMS-MW-15	SMS-MW-15	SMS-MW-15	SMS-MW-15	MW-15
Laboratory ID	Ground	E0136-11A	E1376-11A	F1135-17A	G2029-15C	J0398-15A	K0332-09
Sample Date	Water	2/8/06	09-12-06	08-16-07	11/6/08	3/11/10	3/3/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND
Chloromethane	NC	ND	ND	ND	ND	4.1 J	4.1 J
Ethylbenzene	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Xylene (Total)	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Number of TICs		0	0	0	1	0	0
Total TICs		ND	ND	ND	33 J	NA	NA

Notes: ND - Not Detected
J - Estimated value
NC - No criterion
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 6
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-16D	MW-16D	MW-16D	MW-16D	MW-16D	MW-16D
Sample ID	Class GA	SMS-MW-16D	SMS-MW-16D	SMS-MW-16D	SMS-MW-16D	SMS-MW-16D	MW-16D
Laboratory ID	Ground	E0136-16A	E1400-03A	F1135-09A	G2029-14C	J0398-17A	K0332-21
Sample Date	Water	2/9/06	09-13-06	08-13-07	11/6/08	3/11/10	3/4/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	1 J	1 J	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND
Chloromethane	NC	ND	ND	ND	ND	5.3	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Xylene (Total)	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	***1 J***	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Number of TICs		0	0	0	1	0	0
Total TICs		ND	ND	ND	29 J	NA	NA

Notes: ND - Not Detected
J - Estimated value
NC - No criterion
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 6
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-16M	MW-16M	MW-16M	MW-16M	MW-16M	MW-16M
Sample ID	Class GA	SMS-MW-16M	SMS-MW-16M	SMS-MW-16M	SMS-MW-16M	SMS-MW-16M	MW-16M
Laboratory ID	Ground	E0136-15A	E1376-10A	F1135-10A	G2029-13C	J0398-18A	K0332-20
Sample Date	Water	2/9/06	09-12-06	08-13-07	11/6/08	3/11/10	3/4/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	2 J	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	1.3 J	ND	ND
Chloromethane	NC	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Xylene (Total)	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Number of TICs		0	0	0	1	0	0
Total TICs		ND	ND	ND	36 J	NA	NA

Notes: ND - Not Detected
J - Estimated value
NC - No criterion
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 6
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S
Sample ID	Class GA	SMS-MW-16S	SMS-MW-16S	SMS-MW-16S	SMS-MW-16S	SMS-MW-16S	MW-15S
Laboratory ID	Ground	E0136-12A	E1376-09A	F1135-16A	G2029-12C	J0398-16A	K0332-08
Sample Date	Water	2/9/06	09-12-06	08-16-07	11/6/08	3/11/10	3/3/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	2 J	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND
Chloromethane	NC	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND
Xylene (Total)	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Number of TICs		0	0	0	0	0	0
Total TICs		ND	ND	ND	ND	NA	NA

Notes: ND - Not Detected
J - Estimated value
NC - No criterion
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 6
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
VOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17
Sample ID	Class GA	SMS-MW-17	SMS-MW-17	SMS-MW-17	SMS-MW-17	SMS-MW-17	MW-17
Laboratory ID	Ground	E0136-18A	E1376-04A	F1135-15A	G2029-11C	J0398-12A	KK032-01
Sample Date	Water	2/9/06	09-11-06	08-16-07	11/6/08	3/10/10	3/1/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND
Chloromethane	NC	ND	ND	ND	ND	3.2 J	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	1.2 J	ND
Xylene (Total)	5	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	***2 J***	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	1 J	ND	ND	ND	ND
Number of TICs		0	0	0	0	0	0
Total TICs		ND	ND	ND	ND	NA	NA

Notes: ND - Not Detected
J - Estimated value
NC - No criterion
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 7
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
SEMIVOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	EW-1	EW-1	EW-1	EW-1	EW-1	EW-1
Sample ID	Class GA	SMS-EW-01	SMS-EW-01	SMS-EW-01	SMS-EW-01	SMS-EW-01	SMS-EW-01
Laboratory ID	Ground	E0136-20B					
Sample Date	Water	2/9/06	9/12/06	8/14/07	11/5/08	3/9/10	2/28/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Phenol	1	ND	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	ND	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	ND	NA	NA	NA	NA	NA
Isophorone	50	ND	NA	NA	NA	NA	NA
2-Methylphenol	NC	ND	NA	NA	NA	NA	NA
4-Methylphenol	NC	ND	NA	NA	NA	NA	NA
2,4-Dimethylphenol	50	ND	NA	NA	NA	NA	NA
Naphthalene	10	ND	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	NC	ND	NA	NA	NA	NA	NA
Phenanthrene	50	ND	NA	NA	NA	NA	NA
Di-n-butyl phthalate	50	ND	NA	NA	NA	NA	NA
Fluoranthene	50	ND	NA	NA	NA	NA	NA
Pyrene	50	ND	NA	NA	NA	NA	NA
Butylbenzyl phthalate	50	ND	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.002	ND	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	NC	ND	NA	NA	NA	NA	NA
Chrysene	0.002	ND	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	5	***83 B***	NA	NA	NA	NA	NA
Dimethylphthalate	50	ND	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.002	ND	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.002	ND	NA	NA	NA	NA	NA
Benzo(a)pyrene	ND	ND	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.002	ND	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NC	ND	NA	NA	NA	NA	NA
Number of TICs		2	NA	NA	NA	NA	NA
Total TICs		322 J	NA	NA	NA	NA	NA

Notes: ND - Not Detected
J - Estimated value
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
B - Possible laboratory contamination
NC - No criterion
D - Dilution
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 7
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
SEMIVOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	EW-2	EW-2	EW-2	EW-2	EW-2	EW-2
Sample ID	Class GA	SMS-EW-2	SMS-EW-2	SMS-EW-2	SMS-EW-2	SMS-EW-2	SMS-EW-2
Laboratory ID	Ground	E0203-03C					
Sample Date	Water	2/23/06	9/12/06	8/14/07	11/5/08	3/9/10	2/28/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Phenol	1	ND	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	3	ND	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	ND	NA	NA	NA	NA	NA
Isophorone	50	ND	NA	NA	NA	NA	NA
2-Methylphenol	NC	ND	NA	NA	NA	NA	NA
4-Methylphenol	NC	ND	NA	NA	NA	NA	NA
2,4-Dimethylphenol	50	ND	NA	NA	NA	NA	NA
Naphthalene	10	ND	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	NC	ND	NA	NA	NA	NA	NA
Phenanthrene	50	ND	NA	NA	NA	NA	NA
Di-n-butyl phthalate	50	ND	NA	NA	NA	NA	NA
Fluoranthene	50	ND	NA	NA	NA	NA	NA
Pyrene	50	ND	NA	NA	NA	NA	NA
Butylbenzyl phthalate	50	ND	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.002	ND	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	NC	ND	NA	ND	NA	NA	NA
Chrysene	0.002	ND	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	5	1.0 J	NA	NA	NA	NA	NA
Dimethylphthalate	50	ND	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	0.002	ND	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	0.002	ND	NA	NA	NA	NA	NA
Benzo(a)pyrene	ND	ND	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.002	ND	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NC	ND	NA	NA	NA	NA	NA
Number of TICs		NA	NA	NA	NA	NA	NA
Total TICs		ND	NA	NA	NA	NA	NA

Notes: ND - Not Detected
J - Estimated value
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
B - Possible laboratory contamination
NC - No criterion
D - Dilution
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 7
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
SEMIVOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
Sample ID	Class GA	SMS-MW-1	SMS-MW-1	SMS-MW-1	SMS-MW-1	SMS-MW-1	MW-1
Laboratory ID	Ground	E0153-03B	E1376-16B	F1135-05B	G2029-10C	J0398-04C	K0332-13
Sample Date	Water	2/10/06	9/12/06	8/14/07	11/5/08	3/9/10	3/2/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Phenol	1	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
Isophorone	50	ND	ND	ND	ND	ND	ND
2-Methylphenol	NC	ND	ND	ND	ND	ND	ND
4-Methylphenol	NC	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NC	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND
Butylbenzyl phthalate	50	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	NC	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	5	***21.0***	1 J	ND	ND	ND	ND
Dimethylphthalate	50	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	NC	ND	ND	ND	ND	ND	ND
Number of TICs		3	3	3	1	NA	NA
Total TICs		111 J	32 J	28 J	4.1 NJ	NA	NA

Notes: ND - Not Detected
J - Estimated value
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
B - Possible laboratory contamination
NC - No criterion
D - Dilution
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 7
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
SEMIVOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2
Sample ID	Class GA	SMS-MW-2	SMS-MW-2	SMS-MW-2	SMS-MW-2	SMS-MW-2	MW-2
Laboratory ID	Ground	E0136-03C	E1376-17B	F1135-13B	G2029-02C	J0398-05C	K0332-05
Sample Date	Water	2/7/06	9/12/06	8/15/07	11/4/08	3/9/10	3/1/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Phenol	1	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
Isophorone	50	ND	ND	ND	ND	ND	ND
2-Methylphenol	NC	ND	ND	ND	ND	ND	ND
4-Methylphenol	NC	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NC	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND
Butylbenzyl phthalate	50	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	NC	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	5	2.0 J	2 J	ND	ND	ND	ND
Dimethylphthalate	50	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	NC	ND	ND	ND	ND	ND	ND
Number of TICs		2	0	9	0	NA	NA
Total TICs		634 J	ND	34 J	ND	NA	NA

Notes: ND - Not Detected
J - Estimated value
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
B - Possible laboratory contamination
NC - No criterion
D - Dilution
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 7
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
SEMIVOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3
Sample ID	Class GA	SMS-MW-3	SMS-MW-3	SMS-MW-3	SMS-MW-3	SMS-MW-3	MW-3
Laboratory ID	Ground	E0153-05B	E1376-12B	F1135-12B	G2029-03C	J0398-06C	K0332-04
Sample Date	Water	2/10/06	9/12/06	8/15/07	11/4/08	3/9/10	3/1/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Phenol	1	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
Isophorone	50	ND	ND	ND	ND	ND	ND
2-Methylphenol	NC	ND	ND	ND	ND	ND	ND
4-Methylphenol	NC	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NC	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND
Butylbenzyl phthalate	50	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	NC	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	5	2.0 J	2 J	1 J	ND	ND	ND
Dimethylphthalate	50	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	NC	ND	ND	ND	ND	ND	ND
Number of TICs		3	1	4.0	0.0	NA	NA
Total TICs		323 J	7 J	49 J	ND	NA	NA

Notes: ND - Not Detected
J - Estimated value
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
B - Possible laboratory contamination
NC - No criterion
D - Dilution
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 7
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
SEMIVOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
Sample ID	Class GA	SMS-MW-4	SMS-MW-4	SMS-MW-4	SMS-MW-4	SMS-MW-4	MW-4
Laboratory ID	Ground	E0153-01B	E1376-14B	F1135-14B	G2029-04C	J0398-14C	K0332-03
Sample Date	Water	2/9/06	9/12/06	8/15/07	11/4/08	3/11/10	3/1/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Phenol	1	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
Isophorone	50	ND	ND	ND	ND	ND	ND
2-Methylphenol	NC	ND	ND	ND	ND	ND	ND
4-Methylphenol	NC	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NC	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND
Butylbenzyl phthalate	50	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	NC	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	5	ND	ND	ND	ND	ND	***11***
Dimethylphthalate	50	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	NC	ND	ND	ND	ND	ND	ND
Number of TICs		1	0	7	0	NA	NA
Total TICs		9 J	ND	79 J	ND	NA	NA

Notes: ND - Not Detected
J - Estimated value
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
B - Possible laboratory contamination
NC - No criterion
D - Dilution
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 7
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
SEMIVOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
Sample ID	Class GA	SMS-MW-5	SMS-MW-5	SMS-MW-5	SMS-MW-5	SMS-MW-5	MW-5
Laboratory ID	Ground	E0136-19B	E1376-03B	F1135-03B	G2029-05C	J03898-11C	K0332-02
Sample Date	Water	2/9/06	9/11/06	8/14/07	11/4/08	3/10/10	3/1/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Phenol	1	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
Isophorone	50	ND	ND	ND	ND	ND	ND
2-Methylphenol	NC	ND	ND	ND	ND	ND	ND
4-Methylphenol	NC	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NC	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND
Butylbenzyl phthalate	50	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	NC	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	5	ND	1 J	ND	ND	ND	***34***
Dimethylphthalate	50	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	NC	ND	ND	ND	ND	ND	ND
Number of TICs		2	0	3	0	NA	NA
Total TICs		353 J	ND	28 J	ND	NA	NA

Notes: ND - Not Detected
J - Estimated value
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
B - Possible laboratory contamination
NC - No criterion
D - Dilution
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 7
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
SEMIVOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-6D		MW-6D		MW-6D		MW-6D		MW-6D		MW-6D	
Sample ID	Class GA	SMS-MW-6D		SMS-MW-6D		SMS-MW-6D		SMS-MW-6D		SMS-MW-6D		MW-6D	
Laboratory ID	Ground	E0136-17B		E1376-05B		F1135-02B		G2029-07C		J0398-10C		K0332-15	
Sample Date	Water	2/9/06		9/11/06		8/14/07		11/5/08		3/10/10		3/3/11	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		conc	Q	conc	Q	conc	Q	conc	Q	conc	Q	conc	Q
Phenol	1	ND		ND		ND		ND		ND		ND	
1,3-Dichlorobenzene	3	ND		ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	3	ND		ND		ND		ND		ND		ND	
Isophorone	50	ND		ND		ND		ND		ND		ND	
2-Methylphenol	NC	ND		ND		ND		ND		ND		ND	
4-Methylphenol	NC	ND		ND		ND		ND		ND		ND	
2,4-Dimethylphenol	50	ND		ND		ND		ND		ND		ND	
Naphthalene	10	ND		ND		ND		ND		ND		ND	
4-Chloro-3-methylphenol	NC	ND		ND		ND		ND		ND		ND	
Phenanthrene	50	ND		2	J	ND		ND		ND		ND	
Di-n-butyl phthalate	50	ND		2	J	ND		ND		ND		ND	
Fluoranthene	50	2.0	J	2	J	ND		ND		ND		ND	
Pyrene	50	2.0	J	2	J	ND		ND		ND		ND	
Butylbenzyl phthalate	50	ND		ND		ND		ND		ND		ND	
Benzo(a)anthracene	0.002	***1.0***	***J***	ND		ND		ND		ND		ND	
Dibenzo(a,h)anthracene	NC	ND		ND		ND		ND		ND		ND	
Chrysene	0.002	***2.0***	***J***	ND		ND		ND		ND		ND	
bis(2-Ethylhexyl)phthalate	5	***5.0***	***JB***	3	J	4	J	3	J	ND		ND	
Dimethylphthalate	50	ND		ND		ND		ND		ND		ND	
Benzo(b)fluoranthene	0.002	***2.0***	***J***	ND		ND		ND		ND		ND	
Benzo(k)fluoranthene	0.002	***1.0***	***J***	ND		ND		ND		ND		ND	
Benzo(a)pyrene	ND	***2.0***	***J***	ND		ND		ND		ND		ND	
Indeno(1,2,3-cd)pyrene	0.002	***1.0***	***J***	ND		ND		ND		ND		ND	
Benzo(g,h,i)perylene	NC	2.0	J	ND		ND		ND		ND		ND	
Number of TICs		10		0		3		6		NA		NA	
Total TICs		963	J	ND		29	J	177.5	NJ	NA		NA	

Notes: ND - Not Detected
J - Estimated value
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
B - Possible laboratory contamination
NC - No criterion
D - Dilution
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 7
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
SEMIVOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S	MW-6S
Sample ID	Class GA	SMS-MW-6S	SMS-MW-6S	SMS-MW-6S	SMS-MW-6S	SMS-MW-6S	MW-6S
Laboratory ID	Ground	E0136-13C	E1376-01B	F1135-01B	G2029-08C	J0398-09C	K0332-16
Sample Date	Water	2/8/06	9/11/06	8/14/07	11/5/08	3/10/10	3/3/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Phenol	1	ND	ND	ND	***1.2 J***	ND	ND
1,3-Dichlorobenzene	3	1.0 J	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	2.0 J	1 J	ND	1.3 J	ND	1.8 J
Isophorone	50	ND	ND	ND	ND	ND	ND
2-Methylphenol	NC	ND	ND	ND	ND	ND	ND
4-Methylphenol	NC	ND	ND	ND	ND	1.3 J	ND
2,4-Dimethylphenol	50	1.0 J	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NC	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	ND	ND	ND	ND	ND	ND
Fluoranthene	50	1.0 J	ND	2 J	3 J	ND	ND
Pyrene	50	1.0 J	ND	1 J	2 J	ND	ND
Butylbenzyl phthalate	50	5.0 J	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	ND	ND	***1 J***	***1.2 J***	ND	ND
Dibenzo(a,h)anthracene	NC	ND	ND	ND	1.4 J	ND	ND
Chrysene	0.002	***1.0 J***	ND	***2 J***	***2.2 J***	ND	ND
bis(2-Ethylhexyl)phthalate	5	***6.0 JB***	4 J	***6 J***	***12***	2.6 J	ND
Dimethylphthalate	50	ND	ND	ND	1.1 J	ND	ND
Benzo(b)fluoranthene	0.002	***1.0 J***	***1 J***	***3 J***	***8.4 J***	ND	ND
Benzo(k)fluoranthene	0.002	ND	ND	***1 J***	***6.5 J***	ND	ND
Benzo(a)pyrene	ND	ND	ND	***2 J***	***3.1 J***	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	***2 J***	***4.9 J***	ND	ND
Benzo(g,h,i)perylene	NC	1.0 J	ND	3 J	6.4 J	ND	ND
Number of TICs		19	11	8	17	NA	NA
Total TICs		845 J	57 J	57 J	114 NJ	NA	NA

Notes: ND - Not Detected
J - Estimated value
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
B - Possible laboratory contamination
NC - No criterion
D - Dilution
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 7
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
SEMIVOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
Sample ID	Class GA	SMS-MW-7	SMS-MW-7	SMS-MW-7	SMS-MW-7	SMS-MW-7	MW-7
Laboratory ID	Ground	E0203-01A	E1376-07B	F1135-04B	G2029-09C	J0398-08C	K0332-14
Sample Date	Water	2/23/06	9/11/06	8/14/07	11/5/08	3/10/10	3/3/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Phenol	1	ND	ND	***1 J***	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
Isophorone	50	ND	ND	ND	ND	ND	ND
2-Methylphenol	NC	ND	ND	ND	ND	ND	ND
4-Methylphenol	NC	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NC	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND
Butylbenzyl phthalate	50	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	NC	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	5	***11.0***	ND	ND	ND	ND	ND
Dimethylphthalate	50	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	NC	ND	ND	ND	ND	ND	ND
Number of TICs		6.0	0	3	0	NA	NA
Total TICs		53 J	ND	27 J	ND	NA	NA

Notes: ND - Not Detected
J - Estimated value
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
B - Possible laboratory contamination
NC - No criterion
D - Dilution
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 7
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
SEMIVOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-8		MW-8		MW-8		MW-8		MW-8	
Sample ID	Class GA	SMS-MW-8		SMS-MW-8		SMS-MW-8		SMS-MW-8		SMS-MW-8	
Laboratory ID	Ground	E0136-01C		E1376-02B		F1135-07B		G2029-01C		J0398-03C	
Sample Date	Water	2/7/06		9/11/06		8/14/07		11/4/08		3/9/10	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L	
		conc	Q	conc	Q	conc	Q	conc	Q	conc	Q
Phenol	1	ND		ND		ND		ND		ND	
1,3-Dichlorobenzene	3	ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	3	ND		ND		ND		ND		ND	
Isophorone	50	ND		ND		ND		ND		ND	
2-Methylphenol	NC	ND		ND		ND		ND		ND	
4-Methylphenol	NC	ND		ND		ND		ND		ND	
2,4-Dimethylphenol	50	ND		ND		ND		ND		ND	
Naphthalene	10	ND		ND		ND		ND		ND	
4-Chloro-3-methylphenol	NC	ND		ND		ND		ND		ND	
Phenanthrene	50	ND		ND		ND		ND		ND	
Di-n-butyl phthalate	50	ND		ND		ND		ND		ND	
Fluoranthene	50	ND		ND		ND		ND		ND	
Pyrene	50	ND		ND		ND		ND		ND	
Butylbenzyl phthalate	50	ND		ND		ND		ND		ND	
Benzo(a)anthracene	0.002	ND		ND		ND		ND		ND	
Dibenzo(a,h)anthracene	NC	ND		ND		ND		ND		ND	
Chrysene	0.002	ND		ND		ND		ND		ND	
bis(2-Ethylhexyl)phthalate	5	2.0	J	ND		ND		ND		2.5	J
Dimethylphthalate	50	ND		ND		ND		ND		ND	
Benzo(b)fluoranthene	0.002	ND		ND		ND		ND		ND	
Benzo(k)fluoranthene	0.002	ND		ND		ND		ND		ND	
Benzo(a)pyrene	ND	ND		ND		ND		ND		ND	
Indeno(1,2,3-cd)pyrene	0.002	ND		ND		ND		ND		ND	
Benzo(g,h,i)perylene	NC	ND		ND		ND		ND		ND	
Number of TICs		9		0		3		0		NA	
Total TICs		53	J	ND		25	J	ND		NA	

Notes: ND - Not Detected
J - Estimated value
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
B - Possible laboratory contamination
NC - No criterion
D - Dilution
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 7
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
SEMIVOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9
Sample ID	Class GA	SMS-MW-9	SMS-MW-9	SMS-MW-9	SMS-MW-9	SMS-MW-9	MW-9
Laboratory ID	Ground	E0136-02C	E1376-15B	F1135-06B	G2029-16C	J0398-01C	K0332-12
Sample Date	Water	2/7/06	9/12/06	8/14/07	11/6/08	3/9/10	3/2/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Phenol	1	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
Isophorone	50	ND	ND	ND	ND	ND	ND
2-Methylphenol	NC	ND	ND	ND	ND	ND	ND
4-Methylphenol	NC	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	1 J	ND	ND	ND	ND
4-Chloro-3-methylphenol	NC	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND
Butylbenzyl phthalate	50	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	NC	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	5	2.0 J	3 J	ND	ND	ND	ND
Dimethylphthalate	50	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	NC	ND	ND	ND	ND	ND	ND
Number of TICs		8	4	2	9	NA	NA
Total TICs		198 J	26 J	19 J	111.3 NJ	NA	NA

Notes: ND - Not Detected
J - Estimated value
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
B - Possible laboratory contamination
NC - No criterion
D - Dilution
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 7
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
SEMIVOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-11		MW-11		MW-11		MW-11		MW-11		MW-11	
Sample ID	Class GA	SMS-MW-11		SMS-MW-11		SMS-MW-11		SMS-MW-11		SMS-MW-11		SMS-MW-11	
Laboratory ID	Ground	E0136-05C		E1400-06B		NA		NA		NA		NA	
Sample Date	Water	2/8/06		9/13/06		8/14/07		8/14/07		3/9/10		2/28/11	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		conc	Q	conc	Q	conc	Q	conc	Q	conc	Q	conc	Q
Phenol	1	ND		ND		NA		NA		NA		NA	
1,3-Dichlorobenzene	3	ND		ND		NA		NA		NA		NA	
1,4-Dichlorobenzene	3	ND		ND		NA		NA		NA		NA	
Isophorone	50	ND		ND		NA		NA		NA		NA	
2-Methylphenol	NC	ND		ND		NA		NA		NA		NA	
4-Methylphenol	NC	ND		ND		NA		NA		NA		NA	
2,4-Dimethylphenol	50	ND		ND		NA		NA		NA		NA	
Naphthalene	10	ND		ND		NA		NA		NA		NA	
4-Chloro-3-methylphenol	NC	ND		ND		NA		NA		NA		NA	
Phenanthrene	50	ND		ND		NA		NA		NA		NA	
Di-n-butyl phthalate	50	ND		ND		NA		NA		NA		NA	
Fluoranthene	50	ND		ND		NA		NA		NA		NA	
Pyrene	50	ND		ND		NA		NA		NA		NA	
Butylbenzyl phthalate	50	ND		ND		NA		NA		NA		NA	
Benzo(a)anthracene	0.002	ND		ND		NA		NA		NA		NA	
Dibenzo(a,h)anthracene	NC	ND		ND		NA		NA		NA		NA	
Chrysene	0.002	ND		ND		NA		NA		NA		NA	
bis(2-Ethylhexyl)phthalate	5	ND		ND		NA		NA		NA		NA	
Dimethylphthalate	50	ND		ND		NA		NA		NA		NA	
Benzo(b)fluoranthene	0.002	ND		ND		NA		NA		NA		NA	
Benzo(k)fluoranthene	0.002	ND		ND		NA		NA		NA		NA	
Benzo(a)pyrene	ND	ND		ND		NA		NA		NA		NA	
Indeno(1,2,3-cd)pyrene	0.002	ND		ND		NA		NA		NA		NA	
Benzo(g,h,i)perylene	NC	ND		ND		NA		NA		NA		NA	
Number of TICs		3		0									
Total TICs		552	J	ND		NA		NA		NA		NA	

Notes: ND - Not Detected
J - Estimated value
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
B - Possible laboratory contamination
NC - No criterion
D - Dilution
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 7
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
SEMIVOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12
Sample ID	Class GA	SMS-MW-12	SMS-MW-12	SMS-MW-12	SMS-MW-12	SMS-MW-12	MW-12
Laboratory ID	Ground	E0136-06C	E1400-05B	F1159-04B	G2029-23C	J0445-03C	K0332-10
Sample Date	Water	2/8/06	9/13/06	8/17/07	11/7/08	3/12/10	3/3/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Phenol	1	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
Isophorone	50	ND	ND	ND	ND	ND	ND
2-Methylphenol	NC	ND	ND	ND	ND	ND	ND
4-Methylphenol	NC	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NC	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND
Butylbenzyl phthalate	50	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	NC	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	5	ND	1 J	ND	ND	ND	ND
Dimethylphthalate	50	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	NC	ND	ND	ND	ND	ND	ND
Number of TICs		NA	0	3	0	NA	NA
Total TICs		NA	ND	32 J	ND	NA	NA

Notes: ND - Not Detected
J - Estimated value
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
B - Possible laboratory contamination
NC - No criterion
D - Dilution
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 7
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
SEMIVOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-13	MW-13	MW-13	MW-13	MW-13	MW-13
Sample ID	Class GA	SMS-MW-13	SMS-MW-13	SMS-MW-13	SMS-MW-13S	SMS-MW-13S	MW-13S
Laboratory ID	Ground	E0136-07C	E1400-01B	F1159-03B	G2029-21C	J0445-02C	K0332-18
Sample Date	Water	2/8/06	9/13/06	8/17/07	11/7/08	3/12/10	3/4/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Phenol	1	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	2.5 J
Isophorone	50	ND	ND	ND	ND	ND	ND
2-Methylphenol	NC	ND	ND	ND	ND	ND	ND
4-Methylphenol	NC	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NC	ND	ND	ND	ND	ND	1.3 J
Phenanthrene	50	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND
Butylbenzyl phthalate	50	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	NC	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	5	ND	ND	ND	ND	ND	ND
Dimethylphthalate	50	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	NC	ND	ND	ND	ND	ND	ND
Number of TICs		4	1	7	3	NA	NA
Total TICs		290 J	8 J	51 J	50.6 NJ	NA	NA

Notes: ND - Not Detected
J - Estimated value
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
B - Possible laboratory contamination
NC - No criterion
D - Dilution
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 7
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
SEMIVOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D	MW-13D
Sample ID	Class GA	SMS-MW-13D	SMS-MW-13D	SMS-MW-13D	SMS-MW-13D	SMS-MW-13D	MW-13D
Laboratory ID	Ground	E0136-09C	E1400-02B	F1159-02A	G2029-22C	J0398-19C	K0332-19
Sample Date	Water	2/8/06	9/13/06	8/17/07	11/7/08	3/11/10	3/4/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Phenol	1	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
Isophorone	50	2.0 J	ND	ND	ND	ND	ND
2-Methylphenol	NC	ND	ND	ND	ND	ND	ND
4-Methylphenol	NC	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NC	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND
Butylbenzyl phthalate	50	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	NC	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	5	ND	ND	ND	ND	ND	ND
Dimethylphthalate	50	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	NC	ND	ND	ND	ND	ND	ND
Number of TICs		3	0	4	5	NA	NA
Total TICs		256 J	ND	35 J	45.2 NJ	NA	NA

Notes: ND - Not Detected
J - Estimated value
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
B - Possible laboratory contamination
NC - No criterion
D - Dilution
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 7
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
SEMIVOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14
Sample ID	Class GA	SMS-MW-14	SMS-MW-14	SMS-MW-14	SMS-MW-14	SMS-MW-14	MW-14
Laboratory ID	Ground	E0136-08C	E1400-07B	F1135-18B	G2029-19C	J0445-01C	K0332-17
Sample Date	Water	2/8/06	9/13/06	8/16/07	11/7/08	3/12/10	3/3/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Phenol	1	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
Isophorone	50	ND	ND	ND	ND	ND	ND
2-Methylphenol	NC	ND	ND	ND	ND	ND	ND
4-Methylphenol	NC	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NC	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND
Butylbenzyl phthalate	50	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	NC	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	5	ND	2 J	ND	ND	ND	ND
Dimethylphthalate	50	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	NC	ND	ND	ND	ND	ND	ND
Number of TICs		2	0	4	0	NA	NA
Total TICs		171 J	ND	31 J	ND	NA	NA

Notes: ND - Not Detected
J - Estimated value
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
B - Possible laboratory contamination
NC - No criterion
D - Dilution
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 7
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
SEMIVOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-15		MW-15		MW-15		MW-15		MW-15	
Sample ID	Class GA	SMS-MW-15		SMS-MW-15		SMS-MW-15		SMS-MW-15		SMS-MW-15	
Laboratory ID	Ground	E0136-11C		E1376-11B		F1135-17B		G2029-15C		J0398-15C	
Sample Date	Water	2/8/06		9/12/06		8/16/07		11/6/2008		3/11/10	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L	
		conc	Q	conc	Q	conc	Q	conc	Q	conc	Q
Phenol	1	ND		ND		ND		ND		ND	
1,3-Dichlorobenzene	3	ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	3	ND		ND		ND		ND		ND	
Isophorone	50	ND		ND		ND		ND		ND	
2-Methylphenol	NC	ND		ND		ND		ND		ND	
4-Methylphenol	NC	ND		ND		ND		ND		ND	
2,4-Dimethylphenol	50	ND		ND		ND		ND		ND	
Naphthalene	10	ND		ND		ND		ND		ND	
4-Chloro-3-methylphenol	NC	ND		ND		ND		ND		ND	
Phenanthrene	50	ND		ND		ND		ND		ND	
Di-n-butyl phthalate	50	ND		ND		ND		ND		ND	
Fluoranthene	50	ND		ND		ND		ND		ND	
Pyrene	50	ND		ND		ND		ND		ND	
Butylbenzyl phthalate	50	ND		ND		ND		ND		ND	
Benzo(a)anthracene	0.002	ND		ND		ND		ND		ND	
Dibenzo(a,h)anthracene	NC	ND		ND		ND		ND		ND	
Chrysene	0.002	ND		ND		ND		ND		ND	
bis(2-Ethylhexyl)phthalate	5	ND		ND		ND		ND		ND	
Dimethylphthalate	50	ND		ND		ND		ND		ND	
Benzo(b)fluoranthene	0.002	ND		ND		ND		ND		ND	
Benzo(k)fluoranthene	0.002	ND		ND		ND		ND		ND	
Benzo(a)pyrene	ND	ND		ND		ND		ND		ND	
Indeno(1,2,3-cd)pyrene	0.002	ND		ND		ND		ND		ND	
Benzo(g,h,i)perylene	NC	ND		ND		ND		ND		ND	
Number of TICs		1		0		3		1		NA	
Total TICs		7	J	ND		27	J	4.2	J	NA	

Sample Location	NYSDEC	MW-15	
Sample ID	Class GA	MW-15	
Laboratory ID	Ground	K0332-09	
Sample Date	Water	3/3/11	
Units	Criteria	µg/L	
		conc	Q
Phenol	1	ND	
1,3-Dichlorobenzene	3	ND	
1,4-Dichlorobenzene	3	ND	
Isophorone	50	ND	
2-Methylphenol	NC	ND	
4-Methylphenol	NC	ND	
2,4-Dimethylphenol	50	ND	
Naphthalene	10	ND	
4-Chloro-3-methylphenol	NC	ND	
Phenanthrene	50	ND	
Di-n-butyl phthalate	50	ND	
Fluoranthene	50	ND	
Pyrene	50	ND	
Butylbenzyl phthalate	50	ND	
Benzo(a)anthracene	0.002	ND	
Dibenzo(a,h)anthracene	NC	ND	
Chrysene	0.002	ND	
bis(2-Ethylhexyl)phthalate	5	ND	
Dimethylphthalate	50	ND	
Benzo(b)fluoranthene	0.002	ND	
Benzo(k)fluoranthene	0.002	ND	
Benzo(a)pyrene	ND	ND	
Indeno(1,2,3-cd)pyrene	0.002	ND	
Benzo(g,h,i)perylene	NC	ND	
Number of TICs		NA	
Total TICs		NA	

Notes: ND - Not Detected
J - Estimated value
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
B - Possible laboratory contamination
NC - No criterion
D - Dilution
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 7
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
SEMIVOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-16D	MW-16D	MW-16D	MW-16D	MW-16D	MW-16D
Sample ID	Class GA	SMS-MW-16D	SMS-MW-16D	SMS-MW-16D	SMS-MW-16D	SMS-MW-16D	MW-16D
Laboratory ID	Ground	E0136-16B	E1400-03B	F1135-09B	G2029-14C	J0398-17C	K0332-21
Sample Date	Water	2/9/06	9/13/06	8/13/07	11/6/08	3/11/10	3/4/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Phenol	1	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
Isophorone	50	ND	ND	ND	ND	ND	ND
2-Methylphenol	NC	ND	ND	ND	ND	ND	ND
4-Methylphenol	NC	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NC	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND
Butylbenzyl phthalate	50	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	NC	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	5	***190 DB***	ND	2 J	ND	ND	ND
Dimethylphthalate	50	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	NC	ND	ND	ND	ND	ND	ND
Number of TICs		2	0	4	1	NA	NA
Total TICs		140 J	ND	31 J	4.2 J	NA	NA

Notes: ND - Not Detected
J - Estimated value
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NA - Not analyzed - see text for explanation
B - Possible laboratory contamination
NC - No criterion
D - Dilution
Shaded columns are the latest sampling data (March 2011)

TABLE 7
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
SEMIVOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-16M		MW-16M		MW-16M		MW-16M		MW-16M	
Sample ID	Class GA	SMS-MW-16M		SMS-MW-16M		SMS-MW-16M		SMS-MW-16M		SMS-MW-16M	
Laboratory ID	Ground	E0136-15B		E1376-10B		F1135-10B		G2029-13C		J0398-18C	
Sample Date	Water	2/9/06		9/12/06		08-13-07		11/6/08		3/11/10	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L	
		conc	Q	conc	Q	conc	Q	conc	Q	conc	Q
Phenol	1	ND		ND		ND		ND		ND	
1,3-Dichlorobenzene	3	ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	3	ND		ND		ND		ND		ND	
Isophorone	50	ND		ND		ND		ND		ND	
2-Methylphenol	NC	ND		ND		ND		ND		ND	
4-Methylphenol	NC	ND		ND		ND		ND		ND	
2,4-Dimethylphenol	50	ND		ND		ND		ND		ND	
Naphthalene	10	ND		ND		ND		ND		ND	
4-Chloro-3-methylphenol	NC	ND		ND		ND		ND		ND	
Phenanthrene	50	ND		ND		ND		ND		ND	
Di-n-butyl phthalate	50	ND		ND		ND		ND		ND	
Fluoranthene	50	ND		ND		ND		ND		ND	
Pyrene	50	ND		ND		ND		ND		ND	
Butylbenzyl phthalate	50	ND		ND		ND		ND		ND	
Benzo(a)anthracene	0.002	ND		ND		ND		ND		ND	
Dibenzo(a,h)anthracene	NC	ND		ND		ND		ND		ND	
Chrysene	0.002	ND		ND		ND		ND		ND	
bis(2-Ethylhexyl)phthalate	5	2.0	JB	ND		1.0	J	ND		ND	
Dimethylphthalate	50	ND		ND		ND		ND		ND	
Benzo(b)fluoranthene	0.002	ND		ND		ND		ND		ND	
Benzo(k)fluoranthene	0.002	ND		ND		ND		ND		ND	
Benzo(a)pyrene	ND	ND		ND		ND		ND		ND	
Indeno(1,2,3-cd)pyrene	0.002	ND		ND		ND		ND		ND	
Benzo(g,h,i)perylene	NC	ND		ND		ND		ND		ND	
Number of TICs		4		0		3		1		NA	
Total TICs		329	J	ND		28	J	9	NJ	NA	

Notes: ND - Not Detected
J - Estimated value
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
B - Possible laboratory contamination
NC - No criterion
D - Dilution
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 7
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
SEMIVOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S	MW-16S
Sample ID	Class GA	SMS-MW-16S	SMS-MW-16S	SMS-MW-16S	SMS-MW-16S	SMS-MW-16S	MW-16S
Laboratory ID	Ground	E0136-12C	E1376-09B	F1135-16B	G2029-12C	J0398-16C	K0332-08
Sample Date	Water	2/8/06	09-12-06	08-16-07	11/6/08	3/11/10	3/3/11
Units	Criteria	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		conc Q	conc Q	conc Q	conc Q	conc Q	conc Q
Phenol	1	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND
Isophorone	50	ND	ND	ND	ND	ND	ND
2-Methylphenol	NC	ND	ND	ND	ND	ND	ND
4-Methylphenol	NC	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NC	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND
Butylbenzyl phthalate	50	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.002	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	NC	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	5	ND	ND	ND	ND	ND	ND
Dimethylphthalate	50	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.002	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	NC	ND	ND	ND	ND	ND	ND
Number of TICs		3	1	3	3	NA	NA
Total TICs		188 J	23 J	27 J	111.8 J	NA	NA

Notes: ND - Not Detected
J - Estimated value
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
B - Possible laboratory contamination
NC - No criterion
D - Dilution
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Data validation performed on March 2011 data only

TABLE 7
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
SEMIVOLATILE ORGANIC COMPOUNDS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-17		MW-17		MW-17		MW-17		MW-17		MW-17	
Sample ID	Class GA	SMS-MW-17		SMS-MW-17		SMS-MW-17		SMS-MW-17		SMS-MW-17		MW-17	
Laboratory ID	Ground	E0136-18B		E1453-01A		F1135-15B		G2029-11C		J0398-12C		K0332-01	
Sample Date	Water	2/9/06		09-21-06		08-16-07		11/6/08		3/10/10		3/1/11	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		conc	Q	conc	Q	conc	Q	conc	Q	conc	Q	conc	Q
Phenol	1	ND		ND		ND		ND		ND		ND	
1,3-Dichlorobenzene	3	ND		ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	3	ND		ND		ND		ND		ND		ND	
Isophorone	50	ND		ND		ND		ND		ND		ND	
2-Methylphenol	NC	ND		ND		ND		ND		ND		ND	
4-Methylphenol	NC	ND		ND		ND		ND		ND		ND	
2,4-Dimethylphenol	50	ND		ND		ND		ND		ND		ND	
Naphthalene	10	ND		ND		ND		ND		ND		ND	
4-Chloro-3-methylphenol	NC	ND		ND		ND		ND		ND		ND	
Phenanthrene	50	ND		ND		ND		ND		ND		ND	
Di-n-butyl phthalate	50	ND		ND		ND		ND		ND		ND	
Fluoranthene	50	ND		ND		ND		ND		ND		ND	
Pyrene	50	ND		ND		ND		ND		ND		ND	
Butylbenzyl phthalate	50	ND		ND		ND		ND		ND		ND	
Benzo(a)anthracene	0.002	ND		ND		ND		ND		ND		ND	
Dibenzo(a,h)anthracene	NC	ND		ND		ND		ND		ND		ND	
Chrysene	0.002	ND		ND		ND		ND		ND		ND	
bis(2-Ethylhexyl)phthalate	5	ND		1	J	ND		ND		ND		ND	
Dimethylphthalate	50	ND		ND		ND		ND		ND		ND	
Benzo(b)fluoranthene	0.002	ND		ND		ND		ND		ND		ND	
Benzo(k)fluoranthene	0.002	ND		ND		ND		ND		ND		ND	
Benzo(a)pyrene	ND	ND		ND		ND		ND		ND		ND	
Indeno(1,2,3-cd)pyrene	0.002	ND		ND		ND		ND		ND		ND	
Benzo(g,h,i)perylene	NC	ND		ND		ND		ND		ND		ND	
Number of TICs		2		5		3		0		NA		NA	
Total TICs		102	J	30	J	28	J	ND		NA		NA	

Notes: ND - Not Detected
J - Estimated value
Bold/Italics - Exceeds criterion
NA - Not analyzed - see text for explanation
B - Possible laboratory contamination
NC - No criterion
D - Dilution
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TABLE 8
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
TARGET ANALYTE LIST METALS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	EW-1		EW-1		EW-1		EW-1		EW-1		EW-1	
Sample ID	Class GA	SMS-EW-1		SMS-EW-1		SMS-EW-1		SMS-EW-1		SMS-EW-1		SMS-EW-1	
Laboratory ID	Ground	E0136-20B											
Sample Date	Water	2/9/06		9/12/06		8-14-07		11/5/08		3/9/10			
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Aluminum	NC	28.8	BE	NA		NA		NA		NA		NA	
Antimony	3	ND		NA		NA		NA		NA		NA	
Arsenic	25	ND		NA		NA		NA		NA		NA	
Barium	1,000	34.1	B	NA		NA		NA		NA		NA	
Beryllium	3	ND		NA		NA		NA		NA		NA	
Cadmium	5	0.97	B	NA		NA		NA		NA		NA	
Calcium	NC	13,300	E	NA		NA		NA		NA		NA	
Chromium	50	3.4	B	NA		NA		NA		NA		NA	
Cobalt	NC	4.4	BE	NA		NA		NA		NA		NA	
Copper	200	8.9	B	NA		NA		NA		NA		NA	
Iron	300	***3,650***	NE	NA		NA		NA		NA		NA	
Lead	25	0.93	B	NA		NA		NA		NA		NA	
Magnesium	35,000	2,000	E	NA		NA		NA		NA		NA	
Manganese	300	***684***	E	NA		NA		NA		NA		NA	
Mercury	0.7	ND		NA		NA		NA		NA		NA	
Nickel	100	4.3	B	NA		NA		NA		NA		NA	
Potassium	NC	2,810		NA		NA		NA		NA		NA	
Selenium	10	3.3	B	NA		NA		NA		NA		NA	
Silver	50	ND		NA		NA		NA		NA		NA	
Sodium	20,000	17,300	E	NA		NA		NA		NA		NA	
Thallium	0.5	***4.3***	B	NA		NA		NA		NA		NA	
Vanadium	NC	0.92	B	NA		NA		NA		NA		NA	
Zinc	2,000	52.7	E	NA		NA		NA		NA		NA	

Notes: B - Estimated value
Bold/Italics - Exceeds criterion
E - result is estimated due to interference or exceedance of the calibrated range
ND - Not Detected
NA - Not analyzed - see text for explanation
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Data validation performed on March 2011 data only

TABLE 8
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
TARGET ANALYTE LIST METALS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	EW-2		EW-2		EW-2		EW-2		EW-2		EW-2	
Sample ID	Class GA	SMS-EW-2		SMS-EW-2		SMS-EW-2		SMS-EW-2		SMS-EW-2		SMS-EW-2	
Laboratory ID	Ground	E0203-03											
Sample Date	Water	2/23/06		9/12/06		8-14-07		11/5/08		3/9/10			
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Aluminum	NC	77.2	B	NA		NA		NA		NA		NA	
Antimony	3	***4.0***	B	NA		NA		NA		NA		NA	
Arsenic	25	1.6	B	NA		NA		NA		NA		NA	
Barium	1,000	88.3	B	NA		NA		NA		NA		NA	
Beryllium	3	0.15	B	NA		NA		NA		NA		NA	
Cadmium	5	ND		NA		NA		NA		NA		NA	
Calcium	NC	22,400		NA		NA		NA		NA		NA	
Chromium	50	8.3	B	NA		NA		NA		NA		NA	
Cobalt	NC	1.3	B	NA		NA		NA		NA		NA	
Copper	200	4.6	B	NA		NA		NA		NA		NA	
Iron	300	***2,670***		NA		NA		NA		NA		NA	
Lead	25	3.6	B	NA		NA		NA		NA		NA	
Magnesium	35,000	3,780		NA		NA		NA		NA		NA	
Manganese	300	200		NA		NA		NA		NA		NA	
Mercury	0.7	ND		NA		NA		NA		NA		NA	
Nickel	100	9.4	B	NA		NA		NA		NA		NA	
Potassium	NC	9,610		NA		NA		NA		NA		NA	
Selenium	10	2.0	B	NA		NA		NA		NA		NA	
Silver	50	1.8	B	NA		NA		NA		NA		NA	
Sodium	20,000	18,400		NA		NA		NA		NA		NA	
Thallium	0.5	***2.6***	B	NA		NA		NA		NA		NA	
Vanadium	NC	ND		NA		NA		NA		NA		NA	
Zinc	2,000	126		NA		NA		NA		NA		NA	

Notes: B - Estimated value
Bold/Italics - Exceeds criterion
E - result is estimated due to interference or exceedance of the calibrated range
ND - Not Detected
NA - Not analyzed - see text for explanation
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Data validation performed on March 2011 data only

TABLE 8
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
TARGET ANALYTE LIST METALS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-1		MW-1		MW-1		MW-1		MW-1		MW-1	
Sample ID	Class GA	SMS-MW-1		SMS-MW-1		SMS-MW-1		SMS-MW-1		SMS-MW-1		MW-1	
Laboratory ID	Ground	E0153-03C		E1376-16C		F1135-05C		G2029-10C		J0398-04C		K03332-13	
Sample Date	Water	2/10/06		9/12/06		8-14-07		11/5/08		3/9/10		3/2/11	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Aluminum	NC	236	E	319		4,360		705		604		ND	
Antimony	3	***3.3***	B	ND		***12.6***	***B***	ND		ND		ND	
Arsenic	25	3.5	B	ND		ND		ND		7.5	B	ND	
Barium	1,000	48.7	B	71.5	B	91	B	76.7	B	85.9	B	78.9	B
Beryllium	3	ND		ND		0.48	B	0.19	B	0.17	B	ND	
Cadmium	5	0.67	B	0.19	B	0.39	B	0.6	B	ND		ND	
Calcium	NC	24,000		19,500		20,100		38,600		33,600		29,900	
Chromium	50	9.6	B	2.7	B	18	B	12.3	B	10.5	B	1.3	B
Cobalt	NC	2.5	B	1.2	B	9.3	B	4.0	B	2.3	B	1.2	B
Copper	200	16.8	B	ND		33.8		41.3		30.8		ND	
Iron	300	***30,000***	E	***12,500***		***110,000***		***50,300***		***96,300***		***1,990***	
Lead	25	3.2	B	0.95	B	17.3		6.5	B	31.2		ND	
Magnesium	35,000	4,610	E	3,370		4,230		6,880		5,160		3,460	
Manganese	300	226	E	126		***585***		***724***		***310***		***380***	
Mercury	0.7	ND		ND		0.066	B	ND		ND		ND	
Nickel	100	13.9	B	4.8	B	19.8	B	16.7	B	11.2	B	2.4	B
Potassium	NC	7,940		9,380		4,450		9,970		16,700		8,360	
Selenium	10	ND		ND		***29.5***	***B***	ND		***17***	***B***	ND	
Silver	50	ND		ND		ND		ND		ND		ND	
Sodium	20,000	***28,400***		***27,200***		***73,900***		***32,200***		***35,100***		19,400	
Thallium	0.5	ND		ND		***18.5***	***B***	ND		ND		ND	
Vanadium	NC	1.3	B	0.85	B	9.3	B	2.0	B	0.94	B	ND	
Zinc	2,000	55.1		87.1		234		128		142		27.9	B

Notes: B - Estimated value
Bold/Italics - Exceeds criterion
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ND - Not Detected
NA - Not analyzed - see text for explanation
Shaded columns are the latest sampling data (March 2011)
Data validation performed on March 2011 data only

TABLE 8
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
TARGET ANALYTE LIST METALS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-2		MW-2		MW-2		MW-2		MW-2		MW-2	
Sample ID	Class GA	SMS-MW-2		SMS-MW-2		SMS-MW-2		SMS-MW-2		SMS-MW-2		MW-2	
Laboratory ID	Ground	E0136-03B		E1376-17C		F1135-13C		G2029-02C		J0398-05C		K0332-05	
Sample Date	Water	2/7/06		9/12/06		8-15-07		11/4/08		3/9/10		3/1/11	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Aluminum	NC	1,930	E	6,060		3,440		929		2480		ND	
Antimony	3	2.2	B	ND		***8.9***	***B***	ND		***9.4***	***B***	ND	
Arsenic	25	2.6	B	4.4	B	ND		ND		5.9	B	ND	
Barium	1,000	28.2	B	63.2	B	78.9	B	64.5	B	75.2	B	35.6	B
Beryllium	3	ND		0.27	B	0.30	B	0.17	B	0.34	B	ND	
Cadmium	5	4.1	B	3.2	B	3.9	B	***9.2***		***29.1***		ND	
Calcium	NC	13,100	E	18,300		19,700		24,700		26,200		23,400	
Chromium	50	12.1	B	16.9	B	12.6	B	6.5	B	6.8	B	ND	
Cobalt	NC	2.4	BE	3.7	B	4.4	B	1.3	B	2.5	B	ND	
Copper	200	43.0		35.6		37.0		37.5		40.6		ND	
Iron	300	***28,100***	NE	***25,100***		***40,400***		***20,500***		***166,000***		ND	
Lead	25	***135***		***128***		***197***		***271***		***347***		ND	
Magnesium	35,000	3,380	E	4,660		4590		5,950		6,960		3,970	
Manganese	300	221	E	***715***		***1,080***		295		***422***		ND	
Mercury	0.7	ND		ND		0.055	B	ND		ND		ND	
Nickel	100	13.6	B	14.0	B	10.9	B	5.6	B	10.3	B	ND	
Potassium	NC	4,210		6,750		14,100		11,100		5,440		8,970	
Selenium	10	5.1	B	ND		***14.5***	***B***	ND		***23.4***	B	ND	
Silver	50	ND		ND		ND		1.2	B	ND		ND	
Sodium	20,000	8,240	E	16,500		***20,100***		***25,900***		***28,700***		***27,400***	
Thallium	0.5	***1.2***	B	ND		***2.5***	***B***	ND		ND		ND	
Vanadium	NC	11.1	B	18.8	B	14.6	B	6.0	B	8.8	B	ND	
Zinc	2,000	***4,620***	E	***2,720***		***3,360***		***4,230***		***11,800***		25	B

Notes: B - Estimated value
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TABLE 8
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
TARGET ANALYTE LIST METALS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-3		MW-3		MW-3		MW-3		MW-3		MW-3	
Sample ID	Class GA	SMS-MW-3		SMS-MW-3		SMS-MW-3		SMS-MW-3		SMS-MW-3		MW-3	
Laboratory ID	Ground	E0153-05C		E1376-12C		F1135-12C		G2029-03C		J0398-06C		K0332-04	
Sample Date	Water	2/10/06		9-12-06		8-15-07		11/4/08		3/9/10		3/1/11	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Aluminum	NC	886	E	1,860		1,860		184	B	428		ND	
Antimony	3	2.3	B	ND		***8.6***	***B***	ND		***4.5***	***B***	ND	
Arsenic	25	2.2	B	3.0	B	ND		ND		6.1	B	ND	
Barium	1,000	72.7	B	49.8	B	56.9	B	49.8	B	39.6	B	21.8	B
Beryllium	3	ND		ND		0.16	B	ND		0.16	B	ND	
Cadmium	5	1.6	B	1.0	B	1.3	B	0.24	B	ND		ND	
Calcium	NC	32,500		25,000		23,000		25,200		29,500		32,700	
Chromium	50	15.4	B	10.6	B	12.6	B	3.5	B	6.8	B	5.4	B
Cobalt	NC	3.6	B	2.2	B	4.4	B	ND		1.9	B	ND	
Copper	200	29.8	B	21.6	B	27.1	B	14.4	B	13.1	B	ND	
Iron	300	***26,700***	E	***20,400***		***46,400***		***12,600***		***43,100***		***1,850***	
Lead	25	6.8	B	4.3	B	9.5	B	4.8	B	4.9	B	ND	
Magnesium	35,000	4,790	E	3,630		3,550		3,950		4,320		5,160	
Manganese	300	***399***	E	***502***		***910***		***499***		***566***		94.8	
Mercury	0.7	ND		ND		ND		ND		ND		ND	
Nickel	100	18.5	B	8.5	B	12.3	B	2.2	B	7.4	B	3.6	B
Potassium	NC	10,300		7,410		9,170		6,830		7,750		5,540	
Selenium	10	ND		ND		***15.2***	***B***	ND		***11.9***	***B***	ND	
Silver	50	1.6	B	ND		ND		0.99	B	ND		ND	
Sodium	20,000	16,900		20,000		12,700		17,600		16,700		18,300	
Thallium	0.5	ND		ND		***4.7***	***B***	ND		ND		ND	
Vanadium	NC	3.5	B	5.2	B	4.6	B	1.2	B	1.0	B	ND	
Zinc	2,000	66.1		52.6		59.8		47.7	B	62.2		18.7	B

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TABLE 8
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
TARGET ANALYTE LIST METALS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-4		MW-4		MW-4		MW-4		MW-4		MW-4	
Sample ID	Class GA	SMS-MW-4		SMS-MW-4		SMS-MW-4		SMS-MW-4		SMS-MW-4		MW-4	
Laboratory ID	Ground	E0153-01C		E1376-14C		F1135-14C		G2029-04C		J0398-14C		KI0332-03	
Sample Date	Water	2/9/06		9/12/06		8-15-07		11/4/08		3/11/10		3/1/11	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Aluminum	NC	139	BE	114	B	876		208		644		ND	
Antimony	3	***4.7***	B	2.5	B	***11.2***	B	ND		***6.4***	***B***	ND	
Arsenic	25	ND		ND		ND		ND		7.8	B	ND	
Barium	1,000	31.8	B	26	B	64	B	53.8	B	47.6	B	17.2	B
Beryllium	3	ND		ND		ND		0.15	B	0.14	B	ND	
Cadmium	5	0.51	B	ND		ND		0.4	B	ND		ND	
Calcium	NC	16,300		25,400		21,400		12,800		22,500		27,200	
Chromium	50	2.4	B	2.3	B	5.7	B	5.0	B	7	B	1.5	B
Cobalt	NC	2.1	B	0.79	B	3.2	B	3.0	B	0.67	B	ND	
Copper	200	ND		ND		ND		12.0	B	10.1	B	5.5	B
Iron	300	***47,800***	E	***23,800***		***78,200***		***20,800***		***52,200***		***1,400***	
Lead	25	1.5	B	ND		4.5	B	5.5	B	5	B	ND	
Magnesium	35,000	3,020	E	1,500		1,470		1,110		3,210		4,810	
Manganese	300	***544***	E	210		***686***		***541***		216		38.8	B
Mercury	0.7	ND		ND		ND		ND		ND		ND	
Nickel	100	6.6	B	2.1	B	5.3	B	3.7	B	1.8	B	1.3	B
Potassium	NC	2,370		5,600		5,690		1,790		2,880		2,570	
Selenium	10	3.5	B	ND		***14.1***	***B***	ND		ND		ND	
Silver	50	ND		ND		ND		1.5	B	ND		ND	
Sodium	20,000	6,310		3,990		3,600		3,030		13,100		14,500	
Thallium	0.5	ND		ND		***9.7***	***B***	ND		ND		ND	
Vanadium	NC	2.1	B	2.5	B	5.1	B	3.0	B	3.4	B	ND	
Zinc	2,000	35.2	B	32.4	B	42.5	B	51.2		31.4	B	21.0	B

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TABLE 8
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
TARGET ANALYTE LIST METALS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-5		MW-5		MW-5		MW-5		MW-5		MW-5	
Sample ID	Class GA	SMS-MW-5		SMS-MW-5		SMS-MW-5		SMS-MW-5		SMS-MW-5		MW-5	
Laboratory ID	Ground	E0136-19C		E1376-03C		F1135-03C		G2029-05C		J0398-11C		K032-02	
Sample Date	Water	2/9/06		9/11/06		8-14-07		11/4/08		3/10/10		3/1/11	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Aluminum	NC	284	E	1140		583		130	B	289		ND	
Antimony	3	1.7	B	2.0	B	***8.8***	B	ND		ND		ND	
Arsenic	25	6.9	B	5.5	B	2.0	B	ND		12.7	B	ND	
Barium	1,000	22.3	B	39.2	B	199	B	190	B	95.4	B	27.9	B
Beryllium	3	ND		ND		0.16	B	0.14	B	0.14	B	ND	
Cadmium	5	***5.8***		3.4	B	***8.4***		5.0	B	3.4	B	ND	
Calcium	NC	10,500	E	15,100		21,600		13,400		20,400		18,400	
Chromium	50	8.8	B	18.1	B	17.5	B	3.5	B	10.3	B	0.73	B
Cobalt	NC	2.3	BE	2.4	B	5.0	B	4.8	B	5.4	B	1.1	B
Copper	200	30.9		30.0	B	24.5	B	35.5		20.5	B	ND	
Iron	300	***44,700***	NE	***23,400***		***61,000***		***8,990***		***49,300***		***2,080***	
Lead	25	4.2	B	7.9	B	8.4	B	4.0	B	5.5	B	ND	
Magnesium	35,000	1,560	E	2,500		3,570		2,150		1,790		3,290	
Manganese	300	291	E	***551***		***548***		***777***		***760***		92.8	
Mercury	0.7	ND		ND		ND		ND		ND		ND	
Nickel	100	13.4	B	12.8	B	13.7	B	6.7	B	7.9	B	0.99	B
Potassium	NC	2,240		3,100		3050		2,360		2,290		3,610	
Selenium	10	6.3	B	ND		***13.4***	B	ND		***11.9***	B	ND	
Silver	50	ND		ND		ND		1.1	B	ND		ND	
Sodium	20,000	3,670	E	5,230		12,600		3,690		7,350		9,350	
Thallium	0.5	ND		ND		***9.4***	B	ND		ND		ND	
Vanadium	NC	4.3	B	7.3	B	8.1	B	1.1	B	5.1	B	ND	
Zinc	2,000	44.3	BE	40.2	B	40.6	B	39.6	B	25.6	B	16.5	B

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TABLE 8
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
TARGET ANALYTE LIST METALS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-6D		MW-6D		MW-6D		MW-6D		MW-6D		MW-6D	
Sample ID	Class GA	SMS-MW-6D		SMS-MW-6D		SMS-MW-6D		SMS-MW-6D		SMS-MW-6D		MW-6D	
Laboratory ID	Ground	E0136-17C		E1376-05C		F1135-02C		G2029-07C		J0398-10C		K0332-15	
Sample Date	Water	2/9/06		9/11/06		8-14-07		11/5/08		3/10/10		3/3/11	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Aluminum	NC	2,340	E	197	B	416		254		931		107	B
Antimony	3	2.3	B	2.3	B	***6.2***	B	ND		ND		ND	
Arsenic	25	5.1	B	1.7	B	ND		ND		3.3	B	ND	
Barium	1,000	52.1	B	60	B	16.5	B	24.4	B	25	B	22.6	B
Beryllium	3	ND		ND		ND		ND		0.1	B	ND	
Cadmium	5	4.1	B	0.37	B	0.76	B	1.4	B	0.86	B	2.3	B
Calcium	NC	24,000	E	22,400		13,700		18,800		16,700		19,500	
Chromium	50	16.7	B	6.7	B	4.9	B	4.0	B	5.6	B	41.8	
Cobalt	NC	28.2	BE	54.1		10.8	B	6.5	B	7.2	B	22.5	B
Copper	200	74.5		9.3	B	20.7	B	27.9	B	17.6	B	5.2	B
Iron	300	***72,300***	NE	***9,810***		***39,300***		***5,350***		***26,000***		***1,720***	
Lead	25	21.7		ND		4.7	B	5.5	B	10		ND	
Magnesium	35,000	5,140	E	5,780		1,210		2,320		2,200		9,490	
Manganese	300	***593***	E	276		256		281		294		44.0	B
Mercury	0.7	ND		ND		ND		ND		0.11	B	ND	
Nickel	100	25.8	B	12.9	B	12.7	B	5.2	B	6.9	B	23.4	B
Potassium	NC	3,180		3,480		2,790		1,720		6,930		2,870	
Selenium	10	***12.5***	B	ND		3.9	B	ND		***11.9***	B	ND	
Silver	50	ND		ND		ND		0.75	B	ND		ND	
Sodium	20,000	13,100	E	***31,100***		16,000		3,380		16,600		***33,900***	
Thallium	0.5	ND		ND		***10.6***	B	ND		ND		ND	
Vanadium	NC	9.8	B	1.1	B	1.5	B	1.2	B	2.7	B	ND	
Zinc	2,000	225	E	113		76.2		76.8		63.9		35.1	B

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TABLE 8
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
TARGET ANALYTE LIST METALS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-6S		MW-6S		MW-6S		MW-6S		MW-6S		MW-6S	
Sample ID	Class GA	SMS-MW-6S		SMS-MW-6S		SMS-MW-6S		SMS-MW-6S		SMS-MW-6		MW-6S	
Laboratory ID	Ground	E0136-13B		E1376-01C		F1135-01C		G2029-08C		J0398-09C		K0332-16	
Sample Date	Water	2/8/06		9-11-06		8-14-07		11/5/08		3/10/10		3/3/11	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Aluminum	NC	2,740	E	2790		8,920		21,400		8,700		ND	
Antimony	3	2.0	B	ND		***6.2***	B	ND		ND		ND	
Arsenic	25	8.1	B	5.8	B	12.1	B	13.7	B	17.5	B	ND	
Barium	1,000	44.2	B	52.4	B	86.7	B	96.1	B	87	B	16.6	B
Beryllium	3	0.24	B	0.45	B	1.0	B	***9.8***		***3.7***	***B***	ND	
Cadmium	5	3.3	B	1.4	B	2.6	B	***9.7***		3.7	B	ND	
Calcium	NC	54,000	E	27,300		30,300		40,300		47,200		35,800	
Chromium	50	15.0	B	16.4	B	***111***		***68.2***		***66.5***		21.8	
Cobalt	NC	21.2	BE	10.8	B	22	B	56.9		20.6	B	1.6	B
Copper	200	70.4		45.8		135		156		84.9		5.0	B
Iron	300	***17,700***	NE	***8,790***		***40,400***		***42,000***		***46,700***		***6,920***	
Lead	25	20.5		12.1		***58.1***		***81.1***		***37***		ND	
Magnesium	35,000	13,700	E	8,340		9,290		9,060		8,100		5,690	
Manganese	300	***869***	E	223		***732***		***1,800***		***308***		114	
Mercury	0.7	ND		ND		0.3		ND		0.2		ND	
Nickel	100	21.1	B	9.6	B	24.8	B	55.9		23.2	B	13.2	B
Potassium	NC	4,710		2,720		3,530		3,500		2,910		3,100	
Selenium	10	5.9	B	ND		***24.5***	B	ND		ND		ND	
Silver	50	ND		ND		ND		ND		3.5	B	ND	
Sodium	20,000	16,800	E	8,450		5,530		6,050		9,140		***21,000***	
Thallium	0.5	***6.4***	B	***1.8***	B	***7.9***	B	ND		ND		ND	
Vanadium	NC	13.5	B	14.2	B	41.1	B	40	B	53.3		2.0	B
Zinc	2,000	***3,280***	E	608		1,390		1,570		487		42.0	B

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TABLE 8
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
TARGET ANALYTE LIST METALS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-7		MW-7		MW-7		MW-7		MW-7		MW-7	
Sample ID	Class GA	SMS-MW-7		SMS-MW-7		SMS-MW-7		SMS-MW-7		SMS-MW-7		MW-7	
Laboratory ID	Ground	E0153-07C		E1376-07C		F1135-04C		G2029-09C		J0398-08C		K0332-14	
Sample Date	Water	2/10/06		9-11-06		8-14-07		11/5/08		3/10/10		3/3/11	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Aluminum	NC	161	BE	816		410		106	B	207		ND	
Antimony	3	***3.5***	B	ND		***8.0***	B	ND		ND		ND	
Arsenic	25	4.0	B	3.3	B	ND		ND		5	B	ND	
Barium	1,000	30.2	B	39.3	B	62.6	B	56.7	B	59.6	B	20.7	B
Beryllium	3	0.19	B	0.16	B	0.22	B	0.23	B	0.22	B	ND	
Cadmium	5	2.2	B	1.7	B	2.2	B	2.1	B	1.2	B	ND	
Calcium	NC	20,400		21,800		26,200		32,400		30,100		26,000	
Chromium	50	10.1	B	12.6	B	7.7	B	6.6	B	6.4	B	ND	
Cobalt	NC	2.8	B	2.0	B	4.8	B	2.6	B	4.4	B	ND	
Copper	200	19.6	B	14.3	B	ND		14.7	B	27	B	ND	
Iron	300	***72,000***	E	***60,300***		***96,100***		***34,700***		***99,500***		257	
Lead	25	1.4	B	2.9	B	4.6	B	4.4	B	3.8	B	ND	
Magnesium	35,000	3,910	E	4,380		3,900		4,690		5,910		4,000	
Manganese	300	***445***	E	***592***		***696***		***683***		***890***		ND	
Mercury	0.7	ND		ND		ND		ND		ND		ND	
Nickel	100	15.4	B	9.7	B	9.0	B	3.9	B	10.2	B	ND	
Potassium	NC	3,230		3,900		6,600		5,690		7,900		5,190	
Selenium	10	3.9	B	ND		***17.9***	B	ND		ND		ND	
Silver	50	ND		ND		ND		1.5	B	ND		ND	
Sodium	20,000	10,200		15,400		16,800		14,500		16,400		15,100	
Thallium	0.5	ND		ND		***17.6***	B	ND		ND		ND	
Vanadium	NC	3.6	B	8.2	B	5.6	B	2.1	B	1.1	B	ND	
Zinc	2,000	35.9	B	47.4	B	39.0	B	51.1		51.7		17.3	B

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TABLE 8
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
TARGET ANALYTE LIST METALS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-8		MW-8		MW-8		MW-8		MW-8		MW-8	
Sample ID	Class GA	SMS-MW-8		SMS-MW-8		SMS-MW-8		SMS-MW-8		SMS-MW-8		MW-8	
Laboratory ID	Ground	E0136-01B		E1376-02C		F1135-07C		G2029-01C		J0398-03C		K0332-17	
Sample Date	Water	2/7/06		9-11-06		8-14-07		11/4/08		3/9/10		3/2/11	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Aluminum	NC	194	BE	161	B	120	B	69.8	B	384		ND	
Antimony	3	2.8	B	ND		***8.9***	B	ND		ND		ND	
Arsenic	25	5.6	B	ND		ND		ND		ND		ND	
Barium	1,000	43.4	B	39.6	B	61.3	B	119	B	103	B	37.3	B
Beryllium	3	ND		ND		ND		ND		0.27	B	ND	
Cadmium	5	1.2	B	0.11	B	ND		ND		0.54	B	ND	
Calcium	NC	24,500	E	27,200		25,000		35,700		30,300		37,000	
Chromium	50	31.7		9.9	B	26.1		6.7	B	15.5	B	8.6	B
Cobalt	NC	3.4	BE	1.1	B	7.3	B	2.1	B	9	B	ND	
Copper	200	72.7		9.6	B	18.4	B	37.9		67.2		ND	
Iron	300	***107,000***	NE	***15,900***		***71,400***		***27,600***		***236,000***		***2,700***	
Lead	25	7.0	B	ND		3.0	B	4.5	B	6.3	B	ND	
Magnesium	35,000	3,870	E	3,520		4,960		5,300		3,610		5,030	
Manganese	300	***456***	E	82.1		236		279		***1,020***		25.8	B
Mercury	0.7	ND		ND		ND		ND		ND		ND	
Nickel	100	40.3	B	9.8	B	26.3	B	4.6	B	24.8	B	5.3	B
Potassium	NC	6,370		6,970		13,400		21,500		16,200		11,100	
Selenium	10	9.9	B	ND		***20.6***	***B***	ND		***22.9***	***B***	ND	
Silver	50	ND		ND		ND		1.5	B	ND		ND	
Sodium	20,000	***23,400***	E	***26,000***		***26,400***		***29,800***		***25,200***		16,200	
Thallium	0.5	ND		ND		***13.5***	B	ND		ND		ND	
Vanadium	NC	2.5	B	1.0	B	0.51	B	1.8	B	0.69	B	ND	
Zinc	2,000	95.5	E	31.0	B	68.6		72.0		123		24.4	B

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TABLE 8
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
TARGET ANALYTE LIST METALS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-9		MW-9		MW-9		MW-9		MW-9		MW-9	
Sample ID	Class GA	SMS-MW-9		SMS-MW-9		SMS-MW-9		SMS-MW-9		SMS-MW-9		MW-9	
Laboratory ID	Ground	E0136-02C		E1376-15C		F1135-06C		G2029-16C		J0398-01C		K0332-12	
Sample Date	Water	2/7/06		9-12-06		8-14-07		11/6/08		3/9/10		3/2/11	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Aluminum	NC	50.6	BE	21.9	B	40.8	B	ND		92.1	B	ND	
Antimony	3	2.3	B	ND		***6.7***	B	ND		***8.2***	***B***	ND	
Arsenic	25	3.0	B	2.1	B	2.5	B	ND		4.3	B	ND	
Barium	1,000	35.1	B	25.7	B	34.4	B	50.3	B	45.1	B	40.2	B
Beryllium	3	ND		ND		ND		0.19	B	0.3	B	ND	
Cadmium	5	0.65	B	0.12	B	ND		0.30	B	ND		ND	
Calcium	NC	9,130	E	16,400		29,200		23,300		23,700		26,000	
Chromium	50	38.5		6.3	B	5.4	B	2.8	B	12.6	B	0.73	B
Cobalt	NC	2.0	BE	0.66	B	4.4	B	4.6	B	5.5	B	1.0	B
Copper	200	34.7		ND		ND		14.7	B	37.2		ND	
Iron	300	***78,300***	NE	***21,700***		***57,100***		***29,600***		***115,000***		175	
Lead	25	3.9	B	ND		2.9	B	4.7	B	15.5		ND	
Magnesium	35,000	1,530	E	2,560		4,860		3,770		3,620		4,060	
Manganese	300	***339***	E	82.2		***520***		***1,060***		***954***		28.5	B
Mercury	0.7	ND		ND		ND		ND		ND		ND	
Nickel	100	35.3	B	4.8	B	8.4	B	5.9	B	14.5	B	0.98	B
Potassium	NC	5,400		3,990		4,540		3,540		2,800		8,580	
Selenium	10	7.1	B	ND		***14.2***	B	ND		***23.5***	B	ND	
Silver	50	ND		ND		ND		1.9	B	ND		ND	
Sodium	20,000	11,400	E	11,400		12,000		13,600		17,700		18,700	
Thallium	0.5	ND		ND		***9.2***	B	ND		ND		ND	
Vanadium	NC	1.7	B	1.7	B	1.6	B	1.4	B	2.5	B	ND	
Zinc	2,000	33.9	BE	22.2	B	18.1	B	36.4	B	28.4	B	12.2	B

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TABLE 8
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
TARGET ANALYTE LIST METALS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-11		MW-11		MW-11	MW-11	MW-11	MW-11
Sample ID	Class GA	SMS-MW-11		SMS-MW-11					
Laboratory ID	Ground	E0136-05C		E1400-06C					
Sample Date	Water	2/8/06		9-13-06		Aug 2007	Nov 2008	3/9/10	2/28/11
Units	Criteria	µg/L		µg/L		µg/L	µg/L	µg/L	µg/L
		Conc	Q	Conc	Q	Conc Q	Conc Q	Conc Q	Conc Q
Aluminum	NC	44.9	BE	159	B	NA	NA	NA	NA
Antimony	3	ND		ND		NA	NA	NA	NA
Arsenic	25	ND		ND		NA	NA	NA	NA
Barium	1,000	19.8	B	25.6	B	NA	NA	NA	NA
Beryllium	3	ND		ND		NA	NA	NA	NA
Cadmium	5	0.16	B	0.23	BE	NA	NA	NA	NA
Calcium	NC	13,200	E	14,400		NA	NA	NA	NA
Chromium	50	1.5	B	0.99	BE	NA	NA	NA	NA
Cobalt	NC	1.4	BE	0.57	B	NA	NA	NA	NA
Copper	200	9.9	B	ND		NA	NA	NA	NA
Iron	300	***12,000***	NE	***11,800***		NA	NA	NA	NA
Lead	25	ND		3.5	B	NA	NA	NA	NA
Magnesium	35,000	1,800	E	2,030	E	NA	NA	NA	NA
Manganese	300	177	E	201	*E	NA	NA	NA	NA
Mercury	0.7	ND		ND		NA	NA	NA	NA
Nickel	100	4.2	B	3.3	B	NA	NA	NA	NA
Potassium	NC	3,730		3,040		NA	NA	NA	NA
Selenium	10	1.6	B	1.7	B	NA	NA	NA	NA
Silver	50	ND		ND		NA	NA	NA	NA
Sodium	20,000	14,800	E	9,370		NA	NA	NA	NA
Thallium	0.5	***1.5***	B	***2.9***	B	NA	NA	NA	NA
Vanadium	NC	ND		3.2	B	NA	NA	NA	NA
Zinc	2,000	56.4	E	21.2	B	NA	NA	NA	NA

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TABLE 8
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
TARGET ANALYTE LIST METALS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-12		MW-12		MW-12		MW-12		MW-12		MW-12	
Sample ID	Class GA	SMS-MW-12		SMS-MW-12		SMS-MW-12		SMS-MW-12		SMS-MW-12		MW-12	
Laboratory ID	Ground	E0136-06B		E1400-05C		F1159-04C		G2029-23C		J0445-03C		K0332-10	
Sample Date	Water	2/8/06		09-13-06		08-17-07		11/7/08		3/12/10		3/3/11	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Aluminum	NC	48.8	BE	55.8	B	165	B	101	B	211		ND	
Antimony	3	ND		ND		2.5	B	ND		ND		ND	
Arsenic	25	ND		3.5	B	ND		ND		3.3	B	ND	
Barium	1,000	9.2	B	29.7	B	36.9	B	27.4	B	29.2	B	23.8	B
Beryllium	3	ND		ND		ND		ND		ND		ND	
Cadmium	5	0.32	B	0.4	BE	1.3	B	1.8	B	0.63	B	ND	
Calcium	NC	8,410	E	16,700		16,000		13,100		12,500		16,600	
Chromium	50	2.1	B	2.1	BE	0.86	B	2.7	B	1.2	B	1.6	B
Cobalt	NC	1.4	BE	1.0	B	3.7	B	ND		1.4	B	4.6	B
Copper	200	10.2	B	6.4	B	6.4	B	19	B	10.9	B	ND	
Iron	300	***6,600***	NE	***19,700***		***23,000***		***3,810***		***35,100***		***4,610***	
Lead	25	1.0	B	3.2	B	1.8	B	7.2	B	ND		ND	
Magnesium	35,000	1,210	E	2,190	E	2,180		1,700		848		998	
Manganese	300	249	E	***956***	*E	***854***		***503***		***468***		***434***	
Mercury	0.7	ND		ND		ND		0.020	B	ND		ND	
Nickel	100	5.0	B	3.6	B	4.5	B	5.1	B	3.4	B	1.9	B
Potassium	NC	7,140		2,970		3,330		6,340		4,760		2,810	
Selenium	10	1.3	B	ND		8.3	B	ND		***12***	B	ND	
Silver	50	ND		1.8	B	ND		6.5	B	ND		ND	
Sodium	20,000	10,100	E	5,050		4,120		7,390		5,970		6,150	
Thallium	0.5	***2.0***	B	***2.4***	B	ND		ND		ND		ND	
Vanadium	NC	ND		4.2	B	ND		ND		0.76	B	ND	
Zinc	2,000	44.5	BE	22.6	B	37.4	B	99.2		26.8	B	17.7	B

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TABLE 8
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
TARGET ANALYTE LIST METALS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-13		MW-13		MW-13		MW-13		MW-13		MW-13	
Sample ID	Class GA	SMS-MW-13		SMS-MW-13		SMS-MW-13		SMS-MW-13		SMS-MW-13		MW-13S	
Laboratory ID	Ground	E0136-07B		E1400-01C		F1159-03C		G2029-21C		J0445-02C		K0332-18	
Sample Date	Water	2/8/06		09-13-06		8-17-07		11/7/08		3/12/10		3/4/11	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Aluminum	NC	82.6	BE	84	B	66.4	B	120	B	145	B	ND	
Antimony	3	ND		ND		***4.7***	B	ND		ND		ND	
Arsenic	25	3.2	B	3.3	B	ND		ND		7.6	B	ND	
Barium	1,000	103	B	39.4	B	29.2	B	20.8	B	16.3	B	121	B
Beryllium	3	ND		ND		ND		ND		ND		ND	
Cadmium	5	1.4	B	0.89	BE	1.7	B	1.6	B	1.1	B	0.99	B
Calcium	NC	30,200	E	11,500		6,280		5,350		5,260		23,200	
Chromium	50	3.1	B	1.9	BE	3.4	B	3.2	B	3.3	B	2.4	B
Cobalt	NC	5.6	BE	2.3	B	5.3	B	3.5	B	3.8	B	5.5	B
Copper	200	11.5	B	9.3	B	ND		8.7	B	11	B	6.5	B
Iron	300	***52,600***	NE	***15,400***		***40,200***		***25,800***		***28,600***		***7,830***	
Lead	25	1.0	B	2.3	B	0.84	B	2.4	B	ND		ND	
Magnesium	35,000	3,260	E	1,230	E	1,020		902		677		2520	
Manganese	300	***867***	E	186	*E	***401***		***413***		***434***		293	
Mercury	0.7	ND		ND		ND		0.095	B	ND		ND	
Nickel	100	9.3	B	3.6	B	6.0	B	4.9	B	5.5	B	4.3	B
Potassium	NC	11,200		14,600		15,800		17,200		18,300		13,300	
Selenium	10	2.2	B	1.9	B	3.3	B	ND		ND		ND	
Silver	50	ND		1.8	B	ND		0.89	B	ND		ND	
Sodium	20,000	19,900	E	15,000		12,400		12,000		12,400		***37,500***	
Thallium	0.5	***4.4***	B	***4.0***	B	***7.8***	B	ND		***9.7***	B	ND	
Vanadium	NC	0.79	B	3.4	B	ND		ND		1.1	B	ND	
Zinc	2,000	88.0	E	37.7	B	85.7		301		68		14.9	B

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TABLE 8
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
TARGET ANALYTE LIST METALS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-13D		MW-13D		MW-13D		MW-13D		MW-13D		MW-13D	
Sample ID	Class GA	SMS-MW-13D		SMS-MW-13D		SMS-MW-13D		SMS-MW-13D		SMS-MW-13D		MW-13D	
Laboratory ID	Ground	E0136-09C		E1400-02C		F1135-19C		G2029-22C		J0398-19C		K0332-19	
Sample Date	Water	2/8/06		09-13-06		08-16-07		11/7/08		3/11/10		3/4/11	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Aluminum	NC	53.0	BE	82.0	B	24.5	B	63.7	B	86.0	B	117	B
Antimony	3	ND		ND		***8.3***	B	ND		***8.0***	***B***	ND	
Arsenic	25	ND		ND		ND		ND		ND		ND	
Barium	1,000	67.2	B	69.6	B	76.9	B	66.8	B	75.4	B	102	B
Beryllium	3	ND		ND		ND		ND		0.064	B	ND	
Cadmium	5	***72.8***		***72.8***	E	***65.5***		***79***		***57.6***		ND	
Calcium	NC	12,900	E	13,300		13,100		13,000		13,100		12,700	
Chromium	50	7.8	B	5.0	BE	1.7	B	5.8	B	20	B	***195***	
Cobalt	NC	1.1	BE	0.81	B	0.87	B	ND		ND		4	B
Copper	200	32.9		19.6	B	15.3	B	28.4	B	19.5	B	5.2	B
Iron	300	***746***	NE	210		241		***383***		***515***		***1,390***	
Lead	25	0.83	B	1.7	B	ND		2.4	B	4.2	B	ND	
Magnesium	35,000	7,790	E	8,300	E	8,340		7,990		7,390		5,810	
Manganese	300	12.3	BE	5.9	B*E	6.3	B	25.2	B	18.5	B	117	
Mercury	0.7	ND		ND		ND		ND		ND		ND	
Nickel	100	15.1	B	11.2	B	9.2	B	18.5	B	***139***		***185***	
Potassium	NC	2,430		2,440		2,960		3,030		3,470		4,960	
Selenium	10	3.3	B	2.2	B	***10.7***	B	7.0	B	***15.6***	***B***	ND	
Silver	50	ND		ND		1.4	B	1.9	B	ND		ND	
Sodium	20,000	***27,500***	***E***	***28,700***		***31,800***		***28,700***		***26,100***		***45,700***	
Thallium	0.5	ND		ND		ND		ND		ND		ND	
Vanadium	NC	ND		1.1	B	ND		ND		0.44	B	ND	
Zinc	2,000	72.4	E	74.2		67.2		84.3		60.4		46.2	B

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TABLE 8
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
TARGET ANALYTE LIST METALS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-14		MW-14		MW-14		MW-14		MW-14		MW-14	
Sample ID	Class GA	SMS-MW-14		SMS-MW-14		SMS-MW-14		SMS-MW-14		SMS-MW-14		MW-14	
Laboratory ID	Ground	E0136-08B		E1400-07C		F1135-18C		G2029-19C		J0445-01C		K0332-17	
Sample Date	Water	2/8/06		09-13-06		08-16-07		11/7/08		3/12/10		3/3/11	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Aluminum	NC	334	E	154	B	1,040		161	B	229		ND	
Antimony	3	ND		ND		***15.7***	B	ND		***8.5***	B	ND	
Arsenic	25	ND		11.4	B	ND		ND		5.3	B	ND	
Barium	1,000	15.9	B	35.1	B	78.7	B	40.6	B	31	B	126	B
Beryllium	3	ND		ND		ND		ND		ND		ND	
Cadmium	5	0.86	B	0.21	BE	2.7	B	0.68	B	ND		ND	
Calcium	NC	12,100	E	21,800		16,500		26,000		16,100		28,400	
Chromium	50	1.7	B	1.4	BE	2.9	B	2.5	B	1.2	B	ND	
Cobalt	NC	1.0	BE	ND		4.6	B	ND		0.72	B	0.76	B
Copper	200	12.8	B	ND		ND		10.7	B	9.1	B	ND	
Iron	300	***27,100***	NE	***48,000***		***296,000***		***65,100***		***63,000***		***7,260***	
Lead	25	2.6	B	4.3	B	12.7		5.8	B	ND		ND	
Magnesium	35,000	1,610	E	2,520	E	2,470		2,990		1,810		2,980	
Manganese	300	287	E	***910***	*E	***1,290***		***508***		***350***		180	
Mercury	0.7	ND		ND		0.052	B	ND		ND		ND	
Nickel	100	6.1	B	3.0	B	13.3	B	3.3	B	2.7	B	0.9	B
Potassium	NC	2,460		4,990		8,340		13,200		9,900		29,700	
Selenium	10	ND		ND		***41.2***		ND		***13***	B	ND	
Silver	50	ND		3.5	B	ND		1.4	B	ND		ND	
Sodium	20,000	2,230	E	8,710		6,000		***22,900***		9,680		***31,400***	
Thallium	0.5	ND		***2.6***	B	***64.8***		ND		ND		ND	
Vanadium	NC	2.2	B	9.8	B	4.5	B	3.1	B	0.38	B	ND	
Zinc	2,000	29.2	BE	41.6	B	60.8		57.0		17.7	B	12.7	B

Notes: B - Estimated value
Bold/Italics - Exceeds criterion
E - result is estimated due to interference or exceedance of the calibrated range
ND - Not Detected
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Data validation performed on March 2011 data only

TABLE 8
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
TARGET ANALYTE LIST METALS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-15		MW-15		MW-15		MW-15		MW-15		MW-15	
Sample ID	Class GA	SMS-MW-15		SMS-MW-15		SMS-MW-15		SMS-MW-15		SMS-MW-15		MW-15	
Laboratory ID	Ground	E0136-11B		E1376-11C		F1135-17C		G2029-15C		J0398-15C		K0332-09	
Sample Date	Water	2/8/06		09-12-06		08-16-07		11/6/08		3/11/10		3/3/11	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Aluminum	NC	43.2	BE	199	B	37.9	B	122	B	132	B	ND	
Antimony	3	ND		ND		***9.6***	B	ND		***5.0 B***		ND	
Arsenic	25	ND		2.0	B	1.6	B	ND		3.3	B	ND	
Barium	1,000	12.4	B	19.4	B	24.8	B	19.6	B	42.4	B	45.8	B
Beryllium	3	ND		ND		ND		ND		0.097	B	ND	
Cadmium	5	4.1	B	0.85	B	ND		4.1	B	1.4	B	ND	
Calcium	NC	13,800	E	12,800		20,100		4,990		17,600		24,600	
Chromium	50	9.8	B	***275***		18.1	B	12.8	B	***125***		17.7	B
Cobalt	NC	1.1	BE	2.6	B	1.3	B	1.9	B	7.5	B	0.9	B
Copper	200	9.5	B	10.5	B	ND		9.0	B	ND		3.9	B
Iron	300	276	NE	***1,730***		228		***661***		***2,150***		***442***	
Lead	25	2.3	B	2.6	B	ND		4.1	B	6.9	B	ND	
Magnesium	35,000	2,260	E	2320		4,210		1,480		4,030		4,740	
Manganese	300	27.9	BE	175		19.3	B	188		***457***		25	B
Mercury	0.7	ND		ND		ND		0.15	B	ND		ND	
Nickel	100	6.9	B	24.9	B	3.0	B	12.9	B	59		10.7	B
Potassium	NC	3,330		3470		6,850		2,680		12,300		12,200	
Selenium	10	ND		ND		***19.6***	B	ND		ND		ND	
Silver	50	ND		ND		1.6	B	5.6	B	ND		ND	
Sodium	20,000	9,790	E	11,000		15,600		4,880		***20,600***		15,500	
Thallium	0.5	ND		ND		ND		ND		ND		ND	
Vanadium	NC	ND		1.2	B	ND		1.7	B	1.5	B	ND	
Zinc	2,000	19.8	BE	29.8	B	20.1	B	56.0		23.2	B	18.6	B

Notes: B - Estimated value
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Data validation performed on March 2011 data only

TABLE 8
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
TARGET ANALYTE LIST METALS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-16D		MW-16D		MW-16D		MW-16D		MW-16D		MW-16D	
Sample ID	Class GA	SMS-MW-16D		SMS-MW-16D		SMS-MW-16D		SMS-MW-16D		SMS-MW-16D		MW-16D	
Laboratory ID	Ground	E0136-16C		E1400-03C		F1135-09C		G2029-14C		J0398-17C		K0332-21	
Sample Date	Water	2/9/06		09-13-06		08-13-07		11/6/08		3/11/10		3/4/11	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Aluminum	NC	29.0	BE	97.3	B	45.2	B	104	B	200		ND	
Antimony	3	ND		ND		2.5	B	ND		ND		ND	
Arsenic	25	ND		ND		1.6	B	ND		ND		ND	
Barium	1,000	51.9	B	48.3	B	45.6	B	43.8	B	44.6	B	97.1	B
Beryllium	3	ND		ND		ND		ND		0.05	B	ND	
Cadmium	5	***23.4***		***11.8***	E	***5.1***		***35.3***		***24.9***		3.3	B
Calcium	NC	18,200	E	18,500		19,100		18,500		19,000		26,400	
Chromium	50	34.6		41.6	E	44.9		48.7		39.7		40.5	
Cobalt	NC	1.3	BE	0.87	B	1.4	B	ND		ND		1.4	B
Copper	200	17.0	B	ND		ND		12.8	B	6.2	B	5.5	B
Iron	300	262	NE	232		234		***420***		***516***		242	
Lead	25	2.5	B	1.2	B	0.88	B	3.3	B	4.2	B	ND	
Magnesium	35,000	3,250	E	3,430	E	3,530		3,690		3,610		4,230	
Manganese	300	60.7	E	196	*E	51.6		53.2		36.5	B	***455***	
Mercury	0.7	ND		ND		ND		ND		ND		ND	
Nickel	100	10.6	B	11.3	B	6.7	B	9.0	B	8.0	B	54.8	
Potassium	NC	5,280		5,040		5,260		5,990		5,720		5,850	
Selenium	10	ND		ND		9.5	B	ND		***14.7***	B	ND	
Silver	50	ND		ND		1.8	B	1.6	B	ND		ND	
Sodium	20,000	15,600	E	16,000		16,700		15,100		14,700		***26,600***	
Thallium	0.5	ND		ND		ND		ND		ND		ND	
Vanadium	NC	ND		0.89	B	ND		ND		0.66	B	ND	
Zinc	2,000	61.4	E	40.2	B	20.5	B	39.1	B	30.5	B	18.9	B

Notes: B - Estimated value
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ND - Not Detected
NA - Not analyzed - see text for explanation
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Data validation performed on March 2011 data only

TABLE 8
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
TARGET ANALYTE LIST METALS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-16M		MW-16M		MW-16M		MW-16M		MW-16M		MW-16M	
Sample ID	Class GA	SMS-MW-16M		SMS-MW-16M		SMS-MW-16M		SMS-MW-16M		SMS-MW-16M		MW-16M	
Laboratory ID	Ground	E0136-15C		E1376-10C		F1135-10C		G2029-13C		J0398-18C		K0332-20	
Sample Date	Water	2/9/06		09-12-06		08-13-07		11/6/08		3/11/10		3/4/11	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Aluminum	NC	203	E	94.2	B	55.0	B	91.6	B	176	B	ND	
Antimony	3	1.3	B	ND		***4.5***	B	ND		ND		ND	
Arsenic	25	ND		2.2	B	4.7	B	ND		5.6	B	ND	
Barium	1,000	97.9	B	93.6	B	97.5	B	91.6	B	83.6	B	55.9	B
Beryllium	3	ND		ND		ND		ND		0.078	B	ND	
Cadmium	5	4.0	B	2.3	B	0.22	B	2.2	B	0.84	B	ND	
Calcium	NC	23,900	E	19,200		21,900		17,600		23,600		20,700	
Chromium	50	25.4		45.9		10.3	B	9.6	B	8.7	B	***126***	
Cobalt	NC	2.5	BE	8.0	B	2.6	B	5.4	B	2.6	B	3	B
Copper	200	26.6	B	ND		ND		13.2	B	5.3	B	6.6	B
Iron	300	***458***	NE	***814***		***375***		***822***		***571***		***693***	
Lead	25	1.5	B	0.58	B	ND		4.4	B	6	B	ND	
Magnesium	35,000	2,650	E	2,950		2,940		2,380		3,200		2,860	
Manganese	300	34.0	BE	***536***		29.0	B	125		107		35.2	B
Mercury	0.7	ND		ND		ND		0.038	B	0.057	B	ND	
Nickel	100	12.4	B	46.9	B	27.9	B	31.7	B	5.3	B	100	
Potassium	NC	12,300		9,340		10,000		13,400		8,360		5,310	
Selenium	10	ND		ND		***13.2***	B	ND		ND		ND	
Silver	50	ND		ND		2.1	B	ND		ND		ND	
Sodium	20,000	17,500	E	15,300		17,900		12,000		***31,600***		***32,100***	
Thallium	0.5	***2.1***	B	***1.5***	B	ND		ND		ND		ND	
Vanadium	NC	0.59	B	0.71	B	ND		ND		0.76	B	ND	
Zinc	2,000	106	E	30.8	B	31.7	B	107		24.3	B	17.4	B

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ND - Not Detected
NA - Not analyzed - see text for explanation
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Data validation performed on March 2011 data only

TABLE 8
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
TARGET ANALYTE LIST METALS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-16S		MW-16S		MW-16S		MW-16S		MW-16S		MW-16S	
Sample ID	Class GA	SMS-MW-16S		SMS-MW-16S		SMS-MW-16S		SMS-MW-16S		SMS-MW-16S		MW-16S	
Laboratory ID	Ground	E0136-12B		E1376-09C		F1135-16C		G2029-12C		J0398-16C		K0332-08	
Sample Date	Water	2/8/06		09-12-06		08-16-07		11/6/08		3/11/10		3/3/11	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Aluminum	NC	135	BE	69.2	B	51.6	B	73.2	B	114	B	ND	
Antimony	3	ND		ND		1.2	B	ND		***4.5***	***B***	ND	
Arsenic	25	ND		ND		ND		ND		3.4	B	ND	
Barium	1,000	46.1	B	18.7	B	18.2	B	38.1	B	36.7	B	40.0	B
Beryllium	3	ND		ND		ND		ND		0.051	B	ND	
Cadmium	5	***17.4***		3.0	B	0.47	B	***33.4***		***5.1***		ND	
Calcium	NC	27,900	E	17,800		25,200		25,300		29,200		33,400	
Chromium	50	31.3		***117***		***95.7***		***54.2***		***59.8***		12.6	B
Cobalt	NC	2.3	BE	2.1	B	3.6	B	4.0	B	4.1	B	1.4	B
Copper	200	17.6	B	ND		ND		11.9	B	11.6	B	3.8	B
Iron	300	***480***	NE	***433***		***587***		***626***		***1,200***		***984***	
Lead	25	2.0	B	ND		ND		ND		ND		ND	
Magnesium	35,000	4,920	E	3,270		3,920		3,290		4,970		4,070	
Manganese	300	251	E	108		173		***394***		***443***		186	
Mercury	0.7	ND		0.1	B	ND		ND		0.067	B	ND	
Nickel	100	28.6	B	47.7	B	37.9	B	65.3		20.2	B	13.9	B
Potassium	NC	5,460		5,630		4,870		6,720		4,930		7,060	
Selenium	10	ND		ND		***12.7***	B	ND		ND		ND	
Silver	50	ND		ND		1.8	B	ND		ND		ND	
Sodium	20,000	12,100	E	14,100		17,300		12,800		19,500		***24,900***	
Thallium	0.5	***2.2***	B	ND		ND		ND		ND		ND	
Vanadium	NC	0.52	B	0.80	B	1.0	B	1.7	B	1.2	B	ND	
Zinc	2,000	66.8	E	18.4	B	17.4	B	42.7	B	28.3	B	21.2	B

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TABLE 8
SMS INSTRUMENTS SITE (#1-52-026)
GROUNDWATER SAMPLING
TARGET ANALYTE LIST METALS, DETECTIONS ONLY (2006 THROUGH 2011)

Sample Location	NYSDEC	MW-17		MW-17		MW-17		MW-17		MW-17		MW-17	
Sample ID	Class GA	SMS-MW-17		SMS-MW-17		SMS-MW-17		SMS-MW-17		SMS-MW-17		MW-17	
Laboratory ID	Ground	E0136-18C		E1376-04C		F1135-15C		G2029-11C		J0398-12C		K0332-01	
Sample Date	Water	2/9/06		09-11-06		08-16-07		11/6/08		3/10/10		3/1/11	
Units	Criteria	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
		Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q	Conc	Q
Aluminum	NC	72.0	BE	34.3	B	19.6	B	57.7	B	530		362	
Antimony	3	2.6	B	2.3	B	***10.0***	B	ND		***11.1***	B	ND	
Arsenic	25	ND		ND		3.7	B	ND		ND		ND	
Barium	1,000	22.8	B	28.4	B	29.1	B	72.7	B	69.9	B	181	B
Beryllium	3	ND		ND		ND		ND		0.093	B	ND	
Cadmium	5	3.1	B	0.65	B	0.16	B	3.1	B	3.1	B	***6.9***	
Calcium	NC	13,900	E	17,200		24,800		12,600		14,100		22,500	
Chromium	50	14.8	B	11.3	B	9.0	B	6.9	B	***161***		33.7	
Cobalt	NC	1.6	BE	1.1	B	2.0	B	3.6	B	8.5	B	23.4	B
Copper	200	12.7	B	7.1	B	ND		9.9	B	11.2	B	13.4	B
Iron	300	***645***	NE	284		220		145	B	***3,940***		***1,100***	
Lead	25	1.3	B	ND		ND		ND		9.5	B	ND	
Magnesium	35,000	1,930	E	1,160		1,830		1,100		985		1,500	
Manganese	300	77.9	E	109		113		***1,940***		***2,640***		***8,160***	
Mercury	0.7	0.14	B	ND		ND		ND		ND		ND	
Nickel	100	15.6	B	5.7	B	2.8	B	7.1	B	14.8	B	15.9	B
Potassium	NC	2,760		3,960		3,220		3,110		2,410		5,610	
Selenium	10	ND		ND		***13.6***	B	ND		ND		ND	
Silver	50	ND		ND		2.1	B	0.73	B	ND		ND	
Sodium	20,000	5,940	E	2,690		6,680		3,060		3,560		7,150	
Thallium	0.5	ND		ND		ND		ND		ND		ND	
Vanadium	NC	2.1	B	2.4	B	1.7	B	3.4	B	4.9	B	6.1	B
Zinc	2,000	43.4	BE	18.6	B	18.8	B	36.6	B	30.2	B	27.6	B

Notes: B - Estimated value
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TABLE 9
SMS INSTRUMENTS SITE (1-52-026)
AIR SAMPLING LOCATIONS AND SAMPLING RATIONALE, MARCH 2011

Property Address		Property Type	Year	Sample Type				Rationale
				Sub Slab	Basement	Outdoor Air	Soil Vapor	
120 Marcus Blvd	SMS Building	Commercial	2010	SS-01	IA-01	OA-01		Two sub slab, indoor air plus a duplicate, and one ambient outdoor air
				SS-02	IA-51	-		
120 Marcus Blvd	SMS Building	Commercial	2011	B1-SS1	B1-IA1/B1-DUP			Two sub slab, two indoor air plus a duplicate
				B1-SS2	B1-IA2	-		
210 Marcus Blvd	SMS Building	Commercial	2011	B2-SS1	B2-IA2	AA1	SG1	One sub slab, one indoor air, one ambient outdoor air and two soil vapor samples
				-	-	-	SG2	
90 Marcus Blvd	Jim Mar Building	Commercial	2011	B3-SS1	B3-IA2			One sub slab and one indoor air

TABLE 10
MULTI SITE G - SMS INSTRUMENTS (1-52-026)
SAMPLING SUMMARY OF VOLATILE ORGANIC COMPOUNDS
IN SOIL VAPOR, SUBSLAB, AND INDOOR AIR AT SMS BUILDING

Location	SG-1	SG-2	SS-01	SS-02	IA-01
Sample ID	SG-1-030311	SG-2-030311	H02-SS01-20100224	H02-SS02-20100224	H02-IA01-20100224
Lab Sample ID	SB25245-09	SB25245-11	SB08559-08	SB08559-01	SB08559-03
Matrix	Soil Vapor	Soil Vapor	Subslab	Subslab	Indoor Air
Sample Date	3/3/2011	3/3/2011	2/25/2010	2/25/2010	2/25/2010
1,1,1,2-Tetrachloroethane	0.32 U	1.13 U	21.09 U	21.09 U	2.11 U
1,1,1-Trichloroethane	0.6	0.87 U	7.47 U	7.47 U	0.75 U
1,1,2,2-Tetrachloroethane	0.45 U	1.17 U	29.94 U	29.94 U	2.99 U
1,1,2-Trichloroethane	0.36 U	0.68 U	12.77 U	12.77 U	1.28 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.69 J	1.55 U	17.25 U	17.25 U	1.72 U
1,1-Dichloroethane	0.2 U	0.61 U	7.73 U	7.73 U	0.77 U
1,1-Dichloroethene	0.29 U	0.65 UJ	7.86 U	7.86 U	0.79 U
1,2,4-Trichlorobenzene	0.39 U	2.49 U	11.88 U	11.88 U	1.19 U
1,2,4-Trimethylbenzene	1.57	0.44 U	12.83 U	12.83 U	5.06
1,2-Dibromoethane (Ethylene Dibromide)	0.33 U	0.68 U	11.53 U	11.53 U	1.15 U
1,2-Dichlorobenzene	0.32 U	0.9 U	87.78	13.65 U	1.36 U
1,2-Dichloroethane	0.19 U	0.66 U	5.75 U	5.75 U	0.57 U
1,2-Dichloropropane	0.23 U	0.34 U	7.95 U	7.95 U	0.79 U
1,2-Dichlorotetrafluoroethane	0.4 U	2.73 U	17.19 U	17.19 U	1.72 U
1,3,5-Trimethylbenzene (Mesitylene)	0.39 J	1.04 U	14.01 U	14.01 U	3.1
1,3-Butadiene	0.12 U	0.33 U	5.65 U	5.65 U	0.57 U
1,3-Dichlorobenzene	0.33 U	0.75 U	16.59 U	16.59 U	1.66 U
1,4-Dichlorobenzene	0.37 U	1.02 U	15.57 U	15.57 U	1.56 U
1,4-Dioxane (P-Dioxane)	0.24 U	0.31 U	14.07 U	14.07 U	1.41 U
Methyl Ethyl Ketone (2-Butanone)	2.57	1.24 J	150.1	37.45	2.83
2-Hexanone	0.17 U	0.43 U	34.42	9.18 U	0.92 U
1-Bromo-4-Fluorobenzene (Bromofluorobenzene)	94	102	NA	NA	NA
4-Ethyltoluene	0.84	0.46 U	13.77 U	13.77 U	2.31 J
Cymene	0.33 U	0.47 U	13.15 U	13.15 U	1.31 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.22 U	0.54 U	331.54	50	1.43 J
Acetone	23.38	10.43	1820.2	2036.5	0.71 U
Acrylonitrile	0.14 U	0.15 U	3.27 UJ	3.27 UJ	0.33 UJ
Benzene	1.63	2.39	4.82 U	4.82 U	1.47 J
Benzyl Chloride	0.32 U	0.85 UJ	12.73 U	12.73 U	1.27 U
Bromodichloromethane	0.36 U	0.85 U	12.06 U	12.06 U	1.21 U
Bromoform	0.48 U	1.58 U	32.66 U	32.66 U	3.27 U
Bromomethane	0.2 U	0.97 U	8.23 U	8.23 U	0.82 U
Carbon Disulfide	0.18 U	0.58 U	5.79 U	5.79 U	0.58 U
Carbon Tetrachloride	0.5 J	1.11 U	9.12 U	9.12 U	0.91 U
Chlorobenzene	0.28 U	0.61 U	12.99 U	12.99 U	1.3 U
Chloroethane	0.2 U	0.58 U	7.12 U	7.12 U	0.71 U
Chloroform	0.22 U	1.31 J	7.35 U	7.35 U	0.73 U
Chloromethane	0.48	0.94 U	5.91 U	5.91 U	1.51
Cis-1,2-Dichloroethylene	0.19 U	0.4 U	5.35 U	5.35 U	0.54 U
Cis-1,3-Dichloropropene	0.21 U	0.47 U	8.63 U	8.63 U	0.86 U
Cyclohexane	0.28 U	0.22 U	7.37 U	7.37 U	0.74 U
Dibromochloromethane	0.5 U	1.11 U	16.44 U	16.44 U	1.64 U
Dichlorodifluoromethane	2.13	3.26	12.02 U	12.02 U	3.07
Ethanol	2.53	0.83 U	373.33	138.96	44.12

TABLE 10
MULTI SITE G - SMS INSTRUMENTS (1-52-026)
SAMPLING SUMMARY OF VOLATILE ORGANIC COMPOUNDS
IN SOIL VAPOR, SUBSLAB, AND INDOOR AIR AT SMS BUILDING

Location	SG-1	SG-2	SS-01	SS-02	IA-01
Sample ID	SG-1-030311	SG-2-030311	H02-SS01-20100224	H02-SS02-20100224	H02-IA01-20100224
Lab Sample ID	SB25245-09	SB25245-11	SB08559-08	SB08559-01	SB08559-03
Matrix	Soil Vapor	Soil Vapor	Subslab	Subslab	Indoor Air
Sample Date	3/3/2011	3/3/2011	2/25/2010	2/25/2010	2/25/2010
Ethyl Acetate	0.3 U	1.2 U	6.99 U	6.99 U	2.49
Ethylbenzene	2.12	1.04 J	14.31 J	8.28 U	3.12
Hexachlorobutadiene	0.43 U	1.49 U	26.44 U	26.44 U	2.64 U
N-Hexane	1.76	2.33	4.62 U	4.62 U	2.12
Isopropanol	0.83 J	0.52 U	296.93	137.67	16.07
Isopropylbenzene (Cumene)	0.28 U	0.46 U	12.73 U	12.73 U	1.27 U
M And P Xylenes	8.06	2.04 J	68.93	21.2 U	6.42
Tert-Butyl Methyl Ether	0.18 U	0.28 U	6.93 U	6.93 U	0.69 U
Methylene Chloride	0.31 J	0.45 UJ	8.82 U	8.82 U	7.6
N-Butylbenzene	0.31 U	0.51 U	11.69 U	11.69 U	1.17 U
N-Heptane	0.82	1.16 U	5.66 U	5.66 U	4.18
Naphthalene	0.96 U	0.96 U	NA	NA	NA
O-Xylene (1,2-Dimethylbenzene)	1.86	0.48 U	26.45	11.53 U	1.86 J
Propylene	1.86	3.03	5.06 UJ	5.06 UJ	0.51 UJ
Sec-Butylbenzene	0.29 U	0.69 U	14.49 U	14.49 U	1.45 U
Styrene	0.23 U	0.21 U	7.95 U	7.95 U	1.53 J
Tetrachloroethene (PCE)	1.29	2.37 J	86.8	12.95 U	1.3 U
Tetrahydrofuran	0.16 U	0.49 U	6.63 U	6.63 U	0.66 U
Toluene	103.3	212.6	28.6	5.87 U	16.07
Trans-1,2-Dichloroethene	0.17 U	0.26 U	7.57 U	7.57 U	0.76 U
Trans-1,3-Dichloropropene	0.21 U	0.30 U	7.22 U	7.22 U	0.72 U
Trichloroethene (TCE)	0.28 U	0.43 U	15.10 U	15.10 U	3.12
Trichlorofluoromethane	1.46	2.13 U	16.13 UJ	16.13 UJ	2.25 J
Vinyl Chloride	0.16 U	0.71 U	5.96 U	5.96 U	0.60 U

Notes:
U - Not Detected
J - Estimated value

TABLE 10
MULTI SITE G - SMS INSTRUMENTS (1-52-026)
SAMPLING SUMMARY OF VOLATILE ORGANIC COMPOUNDS
IN SOIL VAPOR, SUBSLAB, AND INDOOR AIR AT SMS BUILDING

Location	IA-51	B1-SS1	B1-IA1	B1-Dup	B1-SS2
Sample ID	H02-IA51-20100224	B1-SS1-030211	B1-IA1-030211	B1-Dup-030211	B1-SS2-030211
Lab Sample ID	SB08559-05	SB25245-05	SB25245-06	SB25245-10	SB25245-03
Matrix	Indoor Air	Subslab	Indoor Air	Indoor Air	Subslab
Sample Date	2/25/2010	3/2/2011	3/2/2011	3/2/2011	3/2/2011
1,1,1,2-Tetrachloroethane	2.11 U	1.13 U	0.32 U	0.32 U	1.13 U
1,1,1-Trichloroethane	0.75 U	1.64 J	0.28 U	0.28 U	0.87 U
1,1,2,2-Tetrachloroethane	2.99 U	1.17 U	0.45 U	0.45 U	1.17 U
1,1,2-Trichloroethane	1.28 U	0.68 U	0.36 U	0.36 U	0.68 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.72 U	1.55 U	0.69 J	0.54 J	1.55 U
1,1-Dichloroethane	0.77 U	0.61 U	0.2 U	0.2 U	0.61 U
1,1-Dichloroethene	0.79 U	0.65 UJ	0.29 U	0.29 U	0.65 UJ
1,2,4-Trichlorobenzene	1.19 U	2.49 U	0.39 U	0.39 U	2.49 U
1,2,4-Trimethylbenzene	23.55	0.44 U	0.79	0.84	0.44 U
1,2-Dibromoethane (Ethylene Dibromide)	1.15 U	0.68 U	0.33 U	0.33 U	0.68 U
1,2-Dichlorobenzene	1.36 U	0.9 U	0.32 U	0.32 U	0.9 U
1,2-Dichloroethane	0.57 U	0.66 U	0.32 J	0.28 J	0.66 U
1,2-Dichloropropane	0.79 U	0.34 U	0.23 U	0.23 U	0.34 U
1,2-Dichlorotetrafluoroethane	1.72 U	2.73 U	0.4 U	0.4 U	2.73 U
1,3,5-Trimethylbenzene (Mesitylene)	10.47	1.04 U	0.23 U	0.25 J	1.04 U
1,3-Butadiene	0.57 U	0.33 U	0.12 U	0.12 U	0.33 U
1,3-Dichlorobenzene	1.66 U	0.75 U	0.33 U	0.33 U	0.75 U
1,4-Dichlorobenzene	1.56 U	1.02 U	0.37 U	0.37 U	1.02 U
1,4-Dioxane (P-Dioxane)	1.41 U	0.31 U	0.24 U	1.84	0.31 U
Methyl Ethyl Ketone (2-Butanone)	2.42	2.01	2.51	2.48	9.29
2-Hexanone	0.92 U	0.43 U	0.17 U	0.17 U	0.43 U
1-Bromo-4-Fluorobenzene (Bromofluorobenzene)	NA	104	98	123	102
4-Ethyltoluene	9.14	0.46 U	0.27 U	0.27 U	0.46 U
Cymene	1.31 U	0.47 U	0.33 U	0.33 U	0.47 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.94 U	0.54 U	0.29 J	0.22 U	5.61
Acetone	0.71 U	0.64 U	8.63	12.48	87.92
Acrylonitrile	0.33 UJ	0.15 U	0.14 U	0.14 U	0.15 U
Benzene	0.48 U	0.32 U	0.77	0.64	1.66
Benzyl Chloride	1.27 U	0.85 UJ	0.32 U	0.32 U	0.85 UJ
Bromodichloromethane	1.21 U	0.85 U	0.36 U	0.36 U	0.85 U
Bromoform	3.27 U	1.58 U	0.48 U	0.48 U	1.58 U
Bromomethane	0.82 U	0.97 U	0.2 U	0.2 U	0.97 U
Carbon Disulfide	0.58 U	0.58 U	0.18 U	0.18 U	0.84 J
Carbon Tetrachloride	0.91 U	1.11 U	0.5 J	0.44 J	1.11 U
Chlorobenzene	1.3 U	0.61 U	0.28 U	0.28 U	0.61 U
Chloroethane	0.71 U	0.58 U	0.2 U	0.2 U	0.58 U
Chloroform	0.73 U	1.27 J	0.22 U	0.22 U	1.51 J
Chloromethane	1.57	0.94 U	1.01	1.03	0.94 U
Cis-1,2-Dichloroethylene	0.54 U	0.4 U	0.19 U	0.19 U	0.4 U
Cis-1,3-Dichloropropene	0.86 U	0.47 U	0.21 U	0.21 U	0.47 U
Cyclohexane	0.74 U	0.22 U	0.28 U	0.34	0.22 U
Dibromochloromethane	1.64 U	1.11 U	0.5 U	0.5 U	1.11 U
Dichlorodifluoromethane	2.97	3.26	2.37	2.37	3.81
Ethanol	48.83	0.83 U	21.49	14.3	4.85

TABLE 10
MULTI SITE G - SMS INSTRUMENTS (1-52-026)
SAMPLING SUMMARY OF VOLATILE ORGANIC COMPOUNDS
IN SOIL VAPOR, SUBSLAB, AND INDOOR AIR AT SMS BUILDING

Location	IA-51	B1-SS1	B1-IA1	B1-Dup	B1-SS2
Sample ID	H02-IA51-20100224	B1-SS1-030211	B1-IA1-030211	B1-Dup-030211	B1-SS2-030211
Lab Sample ID	SB08559-05	SB25245-05	SB25245-06	SB25245-10	SB25245-03
Matrix	Indoor Air	Subslab	Indoor Air	Indoor Air	Subslab
Sample Date	2/25/2010	3/2/2011	3/2/2011	3/2/2011	3/2/2011
Ethyl Acetate	2.52	1.2 U	3.68	2.99	1.2 U
Ethylbenzene	3.12	0.27 U	1.04	1.08	0.27 U
Hexachlorobutadiene	2.64 U	1.49 U	0.43 U	0.43 U	1.49 U
N-Hexane	1.83	1.97	0.74 J	0.92 J	2.22
Isopropanol	16.22	0.74 J	3.44	3.14	3.48
Isopropylbenzene (Cumene)	1.43 J	0.46 U	0.28 U	0.28 U	0.46 U
M And P Xylenes	7.46	1.65 J	2.47	2.34	1.56 J
Tert-Butyl Methyl Ether	0.69 U	0.28 U	0.18 U	0.18 U	0.28 U
Methylene Chloride	7.5	0.45 UJ	2.85	2.85	0.9 J
N-Butylbenzene	1.17 U	0.51 U	0.31 U	0.31 U	0.51 U
N-Heptane	4.06	1.16 U	0.37 J	0.45	1.16 U
Naphthalene	NA	0.96 U	1.62 J	0.96 U	0.96 U
O-Xylene (1,2-Dimethylbenzene)	2.95	0.48 U	0.95	0.91	0.48 U
Propylene	0.51 UJ	0.16 U	0.14 U	0.14 U	0.16 U
Sec-Butylbenzene	1.45 U	0.69 U	0.29 U	0.29 U	0.69 U
Styrene	2.51	0.21 U	1.57	0.94	0.21 U
Tetrachloroethene (PCE)	1.3 U	126.81	1.08	2.03	75.27
Tetrahydrofuran	0.66 U	0.49 U	0.16 U	0.16 U	0.49 U
Toluene	15.54	9.26	3.95	3.65	9.18
Trans-1,2-Dichloroethene	0.76 U	0.26 U	0.17 U	0.17 U	0.26 U
Trans-1,3-Dichloropropene	0.72 U	0.30 U	0.21 U	0.21 U	0.30 U
Trichloroethene (TCE)	3.28	0.43 U	0.28 U	0.28 U	0.43 U
Trichlorofluoromethane	2.3 J	2.13 U	1.52	1.46	2.59 J
Vinyl Chloride	0.60 U	0.71 U	0.16 U	0.16 U	0.71 U

Notes:
U - Not Detected
J - Estimated value

TABLE 10
MULTI SITE G - SMS INSTRUMENTS (1-52-026)
SAMPLING SUMMARY OF VOLATILE ORGANIC COMPOUNDS
IN SOIL VAPOR, SUBSLAB, AND INDOOR AIR AT SMS BUILDING

Location	B1-IA2	B2-SS1	B2-IA1
Sample ID	B1-IA2-030211	B2-SS1-030211	B2-IA1-030211
Lab Sample ID	SB25245-07	SB25245-08	SB25245-12
Matrix	Indoor Air	Subslab	Indoor Air
Sample Date	3/2/2011	3/2/2011	3/2/2011
1,1,1,2-Tetrachloroethane	0.32 U	0.65 U	0.32 U
1,1,1-Trichloroethane	0.28 U	4.58	0.28 U
1,1,2,2-Tetrachloroethane	0.45 U	0.91 U	0.45 U
1,1,2-Trichloroethane	0.36 U	0.72 U	0.36 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.61 J	1.23 J	0.61 J
1,1-Dichloroethane	0.2 U	0.4 J	0.2 U
1,1-Dichloroethene	0.29 U	0.58 U	0.29 U
1,2,4-Trichlorobenzene	0.39 U	0.79 U	0.39 U
1,2,4-Trimethylbenzene	0.19 U	0.38 U	0.54
1,2-Dibromoethane (Ethylene Dibromide)	0.33 U	0.66 U	0.33 U
1,2-Dichlorobenzene	0.32 U	0.64 U	0.32 U
1,2-Dichloroethane	0.81	0.37 U	0.19 U
1,2-Dichloropropane	0.23 U	0.45 U	0.23 U
1,2-Dichlorotetrafluoroethane	0.4 U	0.8 U	0.4 U
1,3,5-Trimethylbenzene (Mesitylene)	0.23 U	0.45 U	0.23 U
1,3-Butadiene	0.12 U	0.24 U	0.12 U
1,3-Dichlorobenzene	0.33 U	0.66 U	0.33 U
1,4-Dichlorobenzene	0.37 U	0.73 U	0.37 U
1,4-Dioxane (P-Dioxane)	0.24 U	0.48 U	0.24 U
Methyl Ethyl Ketone (2-Butanone)	2.62	4.72	2.48
2-Hexanone	0.17 U	0.34 U	0.17 U
1-Bromo-4-Fluorobenzene (Bromofluorobenzene)	96	94	95
4-Ethyltoluene	0.27 U	0.54 U	0.27 U
Cymene	0.33 U	0.67 U	0.33 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.66	0.43 U	0.25 J
Acetone	18.23	25.38	12.43
Acrylonitrile	0.14 U	0.28 U	0.14 U
Benzene	0.83	1.66	0.89
Benzyl Chloride	0.32 U	0.64 U	0.32 U
Bromodichloromethane	0.36 U	0.71 U	0.36 U
Bromoform	0.48 U	0.95 U	0.48 U
Bromomethane	0.2 U	0.4 U	0.2 U
Carbon Disulfide	0.18 U	0.37 J	0.18 U
Carbon Tetrachloride	0.44 J	0.75 J	0.5 J
Chlorobenzene	0.28 U	0.56 U	0.32 J
Chloroethane	0.2 U	0.4 U	0.2 U
Chloroform	0.22 U	0.49 J	0.22 U
Chloromethane	0.89	1.07	0.99
Cis-1,2-Dichloroethylene	0.19 U	0.39 U	0.19 U
Cis-1,3-Dichloropropene	0.21 U	0.43 U	0.21 U
Cyclohexane	0.45	0.56 U	0.69
Dibromochloromethane	0.5 U	1.01 U	0.5 U
Dichlorodifluoromethane	2.32	4.25	2.37
Ethanol	16.6	18.21	15.5

TABLE 10
MULTI SITE G - SMS INSTRUMENTS (1-52-026)
SAMPLING SUMMARY OF VOLATILE ORGANIC COMPOUNDS
IN SOIL VAPOR, SUBSLAB, AND INDOOR AIR AT SMS BUILDING

Location	B1-IA2	B2-SS1	B2-IA1
Sample ID	B1-IA2-030211	B2-SS1-030211	B2-IA1-030211
Lab Sample ID	SB25245-07	SB25245-08	SB25245-12
Matrix	Indoor Air	Subslab	Indoor Air
Sample Date	3/2/2011	3/2/2011	3/2/2011
Ethyl Acetate	2.77	9.95	2.74
Ethylbenzene	0.91	0.69 J	0.87
Hexachlorobutadiene	0.43 U	0.85 U	0.43 U
N-Hexane	4.44	9.38	5.04
Isopropanol	6.21	4.42	4.69
Isopropylbenzene (Cumene)	0.28 U	0.55 U	0.28 U
M And P Xylenes	1.08	1.3 J	1.86
Tert-Butyl Methyl Ether	0.18 U	0.35 U	0.18 U
Methylene Chloride	7.08	1.04	2.22
N-Butylbenzene	0.31 U	0.61 U	0.31 U
N-Heptane	0.53	0.57 J	0.45
Naphthalene	0.96 U	1.92 U	0.96 U
O-Xylene (1,2-Dimethylbenzene)	0.3 J	0.53 U	0.61
Propylene	0.14 U	2.41	0.14 U
Sec-Butylbenzene	0.29 U	0.57 U	0.29 U
Styrene	0.34 J	0.45 U	0.94
Tetrachloroethene (PCE)	3.87	5.02	27.46
Tetrahydrofuran	0.16 U	0.31 U	0.16 U
Toluene	3.39	19.27	3.09
Trans-1,2-Dichloroethene	0.17 U	0.33 U	0.17 U
Trans-1,3-Dichloropropene	0.21 U	0.43 U	0.21 U
Trichloroethene (TCE)	0.43 J	0.56 U	0.48 J
Trichlorofluoromethane	1.24	2.81	1.57
Vinyl Chloride	0.16 U	0.33 U	0.16 U

Notes:
U - Not Detected
J - Estimated value

TABLE 11
MULTI SITE G - SMS INSTRUMENTS (1-52-026)
SAMPLING SUMMARY OF VOLATILE ORGANIC COMPOUNDS
IN SUBSLAB AND INDOOR AIR IN GRANITE.COM BUILDING

Location	B3-SS1	B3-IA1
Sample ID	B3-SS1-030211	B3-IA1-030211
Lab Sample ID	SB25245-01	SB25245-04
Matrix	Subslab	Indoor Air
Sample Date	3/2/2011	3/2/2011
1,1,1,2-Tetrachloroethane	0.32 U	0.32 U
1,1,1-Trichloroethane	0.28 U	0.28 U
1,1,2,2-Tetrachloroethane	0.45 U	0.45 U
1,1,2-Trichloroethane	0.36 U	0.36 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.61 J	0.69 J
1,1-Dichloroethane	0.2 U	0.2 U
1,1-Dichloroethene	0.29 U	0.29 U
1,2,4-Trichlorobenzene	0.39 U	0.39 U
1,2,4-Trimethylbenzene	0.64	1.18
1,2-Dibromoethane (Ethylene Dibromide)	0.33 U	0.33 U
1,2-Dichlorobenzene	0.32 U	0.32 U
1,2-Dichloroethane	0.19 U	0.19 U
1,2-Dichloropropane	0.23 U	0.23 U
1,2-Dichlorotetrafluoroethane	0.4 U	0.4 U
1,3,5-Trimethylbenzene (Mesitylene)	0.23 U	0.34 J
1,3-Butadiene	0.12 U	0.12 U
1,3-Dichlorobenzene	0.33 U	0.33 U
1,4-Dichlorobenzene	0.37 U	0.37 U
1,4-Dioxane (P-Dioxane)	0.24 U	0.24 U
Methyl Ethyl Ketone (2-Butanone)	4.42	1.62
2-Hexanone	0.17 U	0.17 U
1-Bromo-4-Fluorobenzene (Bromofluorobenzene)	96	97
4-Ethyltoluene	0.29 J	0.34 J
Cymene	0.33 U	0.33 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.22 U	0.22 U
Acetone	19.51	8.22
Acrylonitrile	0.14 U	0.14 U
Benzene	1.21	1.34
Benzyl Chloride	0.32 U	0.32 U
Bromodichloromethane	0.36 U	0.36 U
Bromoform	0.48 U	0.48 U
Bromomethane	0.2 U	0.2 U
Carbon Disulfide	0.34 J	0.18 U
Carbon Tetrachloride	0.31 J	0.5 J
Chlorobenzene	0.28 U	0.28 U
Chloroethane	0.2 U	0.2 U
Chloroform	1.9	0.22 U
Chloromethane	0.19 U	0.99
Cis-1,2-Dichloroethylene	0.19 U	0.19 U
Cis-1,3-Dichloropropene	0.21 U	0.21 U
Cyclohexane	0.34	0.28 U
Dibromochloromethane	0.5 U	0.5 U
Dichlorodifluoromethane	1.58	2.13
Ethanol	4.58	23

TABLE 11
MULTI SITE G - SMS INSTRUMENTS (1-52-026)
SAMPLING SUMMARY OF VOLATILE ORGANIC COMPOUNDS
IN SUBSLAB AND INDOOR AIR IN GRANITE.COM BUILDING

Location	B3-SS1	B3-IA1
Sample ID	B3-SS1-030211	B3-IA1-030211
Lab Sample ID	SB25245-01	SB25245-04
Matrix	Subslab	Indoor Air
Sample Date	3/2/2011	3/2/2011
Ethyl Acetate	0.79	0.32 J
Ethylbenzene	1.13	0.69
Hexachlorobutadiene	0.43 U	0.43 U
N-Hexane	1.3 J	2.57
Isopropanol	1.3	1.37
Isopropylbenzene (Cumene)	0.28 U	0.28 U
M And P Xylenes	2.82	2.21
Tert-Butyl Methyl Ether	0.18 U	0.18 U
Methylene Chloride	0.24 J	0.76
N-Butylbenzene	0.31 U	0.31 U
N-Heptane	0.57	0.61
Naphthalene	0.96 U	0.96 U
O-Xylene (1,2-Dimethylbenzene)	0.82	0.82
Propylene	1.96	0.14 U
Sec-Butylbenzene	0.29 U	0.29 U
Styrene	0.98	3.02
Tetrachloroethene (PCE)	5.22	1.63
Tetrahydrofuran	0.16 U	0.16 U
Toluene	24.76	10.39
Trans-1,2-Dichloroethene	0.17 U	0.17 U
Trans-1,3-Dichloropropene	0.21 U	0.21 U
Trichloroethene (TCE)	0.28 U	0.28 U
Trichlorofluoromethane	1.35	1.52
Vinyl Chloride	0.16 U	0.16 U

Notes:
U - Not Detected
J - Estimated value

TABLE 12
MULTI SITE G - SMS INSTRUMENTS (1-52-026)
SAMPLING SUMMARY OF VOLATILE
ORGANIC COMPOUNDS IN OUTDOOR AIR

Location	OA-01	AA1
Sample ID	H02-OA01-20100224	AA1-030211
Lab Sample ID	SB08559-02	SB25245-02
Matrix	Outdoor Air	Outdoor Air
Sample Date	2/25/2010	3/2/2011
1,1,1,2-Tetrachloroethane	2.27 U	0.32 U
1,1,1-Trichloroethane	0.82 U	0.28 U
1,1,2,2-Tetrachloroethane	3.37 U	0.45 U
1,1,2-Trichloroethane	1.3 U	0.36 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.66 U	0.61 J
1,1-Dichloroethane	0.87 U	0.2 U
1,1-Dichloroethene	0.81 U	0.29 U
1,2,4-Trichlorobenzene	1.11 UJ	0.39 U
1,2,4-Trimethylbenzene	1.47 U	0.29 J
1,2-Dibromoethane (Ethylene Dibromide)	1.43 U	0.33 U
1,2-Dichlorobenzene	1.54 U	0.32 U
1,2-Dichloroethane	0.69 U	0.19 U
1,2-Dichloropropane	0.67 U	0.23 U
1,2-Dichlorotetrafluoroethane	2.14 U	0.4 U
1,3,5-Trimethylbenzene (Mesitylene)	1.5 U	0.23 U
1,3-Butadiene	0.68 U	0.12 U
1,3-Dichlorobenzene	2.14 U	0.33 U
1,4-Dichlorobenzene	1.54 U	0.37 U
1,4-Dioxane (P-Dioxane)	0.47 U	0.24 U
Methyl Ethyl Ketone (2-Butanone)	1.16 U	2.89
2-Hexanone	0.89 U	0.17 U
1-Bromo-4-Fluorobenzene (Bromofluorobenzene)	NA	102
4-Ethyltoluene	1.62 U	0.27 U
Cymene	1.5 U	0.33 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.98 U	0.22 U
Acetone	14.59	17.04
Acrylonitrile	0.39 U	0.14 U
Benzene	0.55 U	0.7
Benzyl Chloride	1.69 UJ	0.32 U
Bromodichloromethane	1.45 U	0.36 U
Bromoform	4.25 U	0.48 U
Bromomethane	0.94 U	0.2 U
Carbon Disulfide	0.67 U	0.18 U
Carbon Tetrachloride	0.91 U	0.38 J
Chlorobenzene	1.34 U	0.28 U
Chloroethane	0.9 U	0.2 U
Chloroform	0.7 U	0.22 U
Chloromethane	1.76	0.99
Cis-1,2-Dichloroethylene	0.59 U	0.19 U
Cis-1,3-Dichloropropene	1 U	0.21 U
Cyclohexane	2.03 U	0.28 U
Dibromochloromethane	2.3 U	0.5 U
Dichlorodifluoromethane	3.01	2.52

TABLE 12
MULTI SITE G - SMS INSTRUMENTS (1-52-026)
SAMPLING SUMMARY OF VOLATILE
ORGANIC COMPOUNDS IN OUTDOOR AIR

Location	OA-01	AA1
Sample ID	H02-OA01-20100224	AA1-030211
Lab Sample ID	SB08559-02	SB25245-02
Matrix	Outdoor Air	Outdoor Air
Sample Date	2/25/2010	3/2/2011
Ethanol	13.3	5.37
Ethyl Acetate	0.79 U	0.3 U
Ethylbenzene	0.88 U	0.29 U
Hexachlorobutadiene	2.73 UJ	0.43 U
N-Hexane	8.79	0.49 J
Isopropanol	18.35	8.69
Isopropylbenzene (Cumene)	1.08 U	0.28 U
M And P Xylenes	2.21 U	1
Tert-Butyl Methyl Ether	0.95 U	0.18 U
Methylene Chloride	5.07	0.28 J
N-Butylbenzene	1.27 U	0.31 U
N-Heptane	0.7 U	0.25 U
Naphthalene	NA	0.96 U
O-Xylene (1,2-Dimethylbenzene)	1.25 U	0.3 J
Propylene	0.62 U	0.14 U
Sec-Butylbenzene	1.60 U	0.29 U
Styrene	1.02 U	0.23 U
Tetrachloroethene (PCE)	1.64 U	0.41 U
Tetrahydrofuran	0.84 U	1.03
Toluene	0.65 U	2.03
Trans-1,2-Dichloroethene	0.86 U	0.17 U
Trans-1,3-Dichloropropene	0.84 U	0.21 U
Trichloroethene (TCE)	1.75 U	0.28 U
Trichlorofluoromethane	1.71 J	1.46
Vinyl Chloride	0.84 U	0.16 U

Notes:
U - Not Detected
J - Estimated value

TABLE 13
AIR SAMPLE FIELD DUPLICATE PRECISION
SMS INSTRUMENTS (1-52-026)

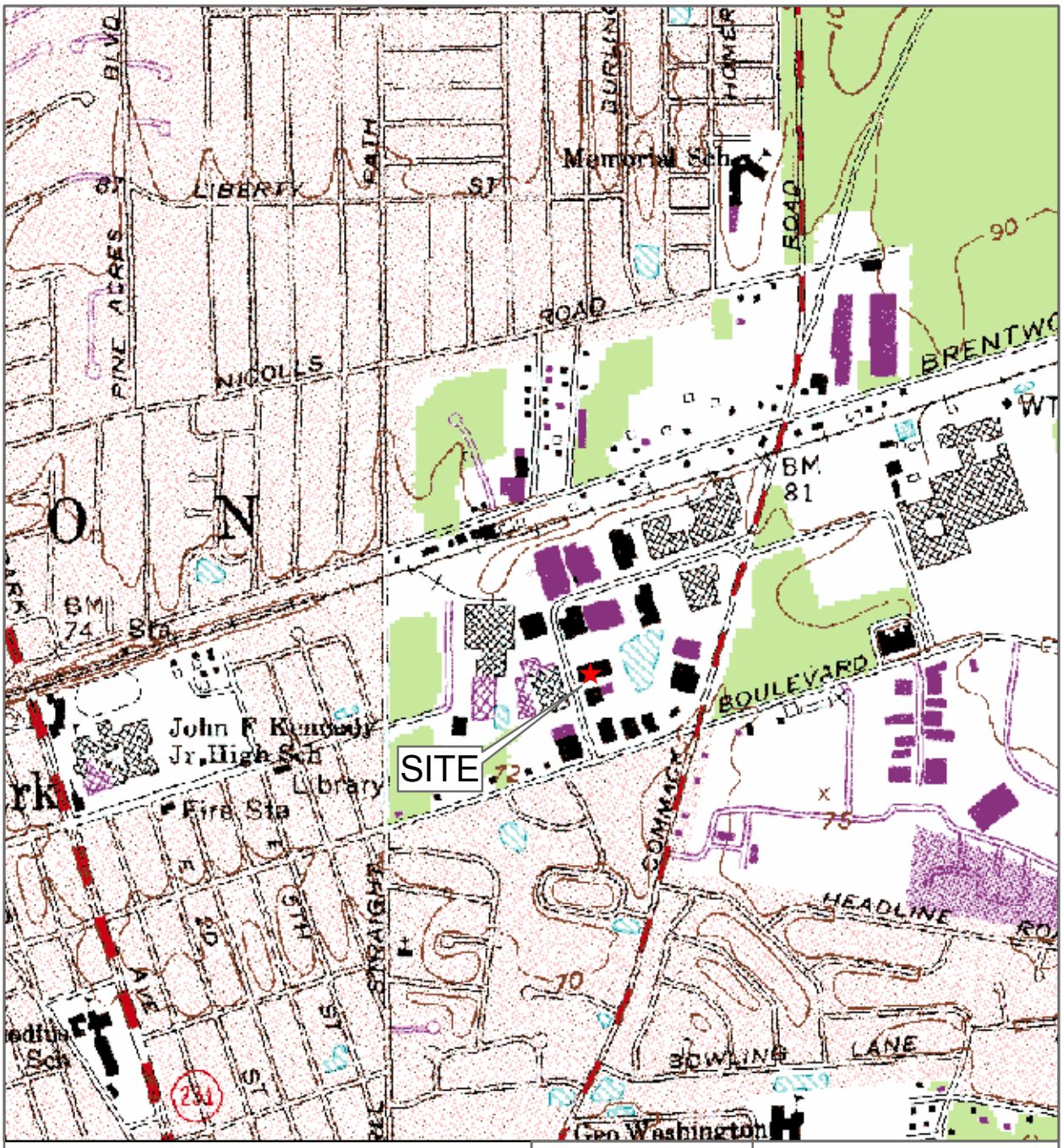
Location	B1-IA1	B1-Dup	Precision
Sample ID	B1-IA1-030211	B1-Dup-030211	Relative
Lab Sample ID	SB25245-06	SB25245-10	Percent
Matrix	Indoor Air	Indoor Air	Difference
Sample Date	3/2/2011	3/2/2011	RPD
1,1,1,2-Tetrachloroethane	0.32 U	0.32 U	NC
1,1,1-Trichloroethane	0.28 U	0.28 U	NC
1,1,2,2-Tetrachloroethane	0.45 U	0.45 U	NC
1,1,2-Trichloroethane	0.36 U	0.36 U	NC
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.69 J	0.54 J	24.4%
1,1-Dichloroethane	0.2 U	0.2 U	NC
1,1-Dichloroethene	0.29 U	0.29 U	NC
1,2,4-Trichlorobenzene	0.39 U	0.39 U	NC
1,2,4-Trimethylbenzene	0.79	0.84	6.1%
1,2-Dibromoethane (Ethylene Dibromide)	0.33 U	0.33 U	NC
1,2-Dichlorobenzene	0.32 U	0.32 U	NC
1,2-Dichloroethane	0.32 J	0.28 J	13.3%
1,2-Dichloropropane	0.23 U	0.23 U	NC
1,2-Dichlorotetrafluoroethane	0.4 U	0.4 U	NC
1,3,5-Trimethylbenzene (Mesitylene)	0.23 U	0.25 J	NC
1,3-Butadiene	0.12 U	0.12 U	NC
1,3-Dichlorobenzene	0.33 U	0.33 U	NC
1,4-Dichlorobenzene	0.37 U	0.37 U	NC
1,4-Dioxane (P-Dioxane)	0.24 U	1.84	NC
Methyl Ethyl Ketone (2-Butanone)	2.51	2.48	1.2%
2-Hexanone	0.17 U	0.17 U	NC
1-Bromo-4-Fluorobenzene (Bromofluorobenzene)	98	123	22.6%
4-Ethyltoluene	0.27 U	0.27 U	NC
Cymene	0.33 U	0.33 U	NC
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	0.29 J	0.22 U	NC
Acetone	8.63	12.48	36.5%
Acrylonitrile	0.14 U	0.14 U	NC
Benzene	0.77	0.64	18.4%
Benzyl Chloride	0.32 U	0.32 U	NC
Bromodichloromethane	0.36 U	0.36 U	NC
Bromoform	0.48 U	0.48 U	NC
Bromomethane	0.2 U	0.2 U	NC
Carbon Disulfide	0.18 U	0.18 U	NC
Carbon Tetrachloride	0.5 J	0.44 J	12.8%
Chlorobenzene	0.28 U	0.28 U	NC
Chloroethane	0.2 U	0.2 U	NC
Chloroform	0.22 U	0.22 U	NC
Chloromethane	1.01	1.03	2.0%
Cis-1,2-Dichloroethylene	0.19 U	0.19 U	NC
Cis-1,3-Dichloropropene	0.21 U	0.21 U	NC
Cyclohexane	0.28 U	0.34	NC
Dibromochloromethane	0.5 U	0.5 U	NC
Dichlorodifluoromethane	2.37	2.37	0.0%

TABLE 13
AIR SAMPLE FIELD DUPLICATE PRECISION
SMS INSTRUMENTS (1-52-026)

Location	B1-IA1	B1-Dup	Precision
Sample ID	B1-IA1-030211	B1-Dup-030211	Relative
Lab Sample ID	SB25245-06	SB25245-10	Percent
Matrix	Indoor Air	Indoor Air	Difference
Sample Date	3/2/2011	3/2/2011	RPD
Ethanol	21.49	14.3	40.2%
Ethyl Acetate	3.68	2.99	20.7%
Ethylbenzene	1.04	1.08	3.8%
Hexachlorobutadiene	0.43 U	0.43 U	NC
N-Hexane	0.74 J	0.92 J	21.7%
Isopropanol	3.44	3.14	9.1%
Isopropylbenzene (Cumene)	0.28 U	0.28 U	NC
M And P Xylenes	2.47	2.34	5.4%
Tert-Butyl Methyl Ether	0.18 U	0.18 U	NC
Methylene Chloride	2.85	2.85	0.0%
N-Butylbenzene	0.31 U	0.31 U	NC
N-Heptane	0.37 J	0.45	19.5%
Naphthalene	1.62 J	0.96 U	NC
O-Xylene (1,2-Dimethylbenzene)	0.95	0.91	4.3%
Propylene	0.14 U	0.14 U	NC
Sec-Butylbenzene	0.29 U	0.29 U	NC
Styrene	1.57	0.94	50.2%
Tetrachloroethene (PCE)	1.08	2.03	61.1%
Tetrahydrofuran	0.16 U	0.16 U	NC
Toluene	3.95	3.65	7.9%
Trans-1,2-Dichloroethene	0.17 U	0.17 U	NC
Trans-1,3-Dichloropropene	0.21 U	0.21 U	NC
Trichloroethene (TCE)	0.28 U	0.28 U	NC
Trichlorofluoromethane	1.52	1.46	4.0%
Vinyl Chloride	0.16 U	0.16 U	NC

Notes:
U - Not Detected
J - Estimated value

Figures



N

0 162.5 325 650 Feet

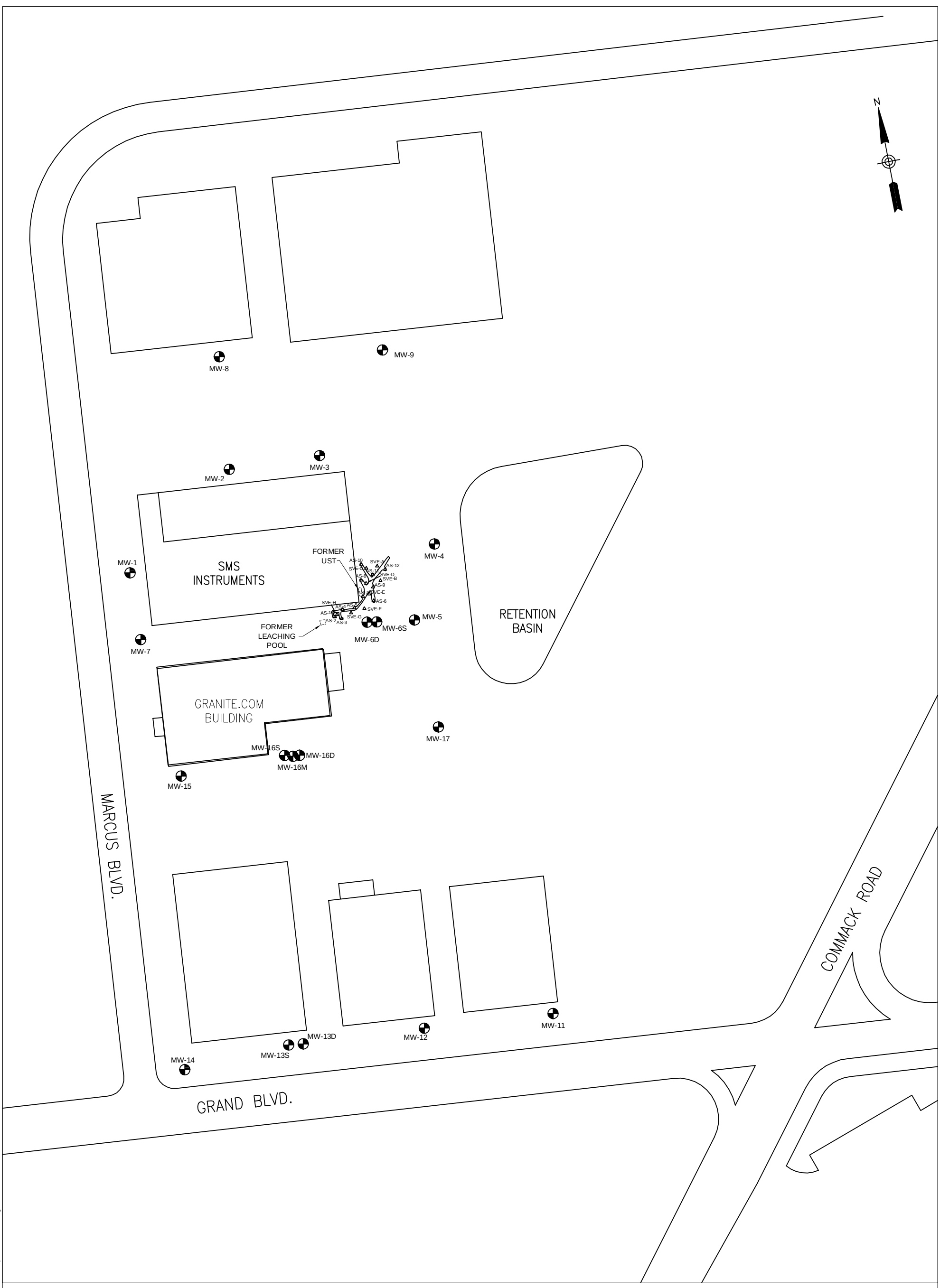
AECOM

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SMS INSTRUMENTS
DEER PARK, NEW YORK

SITE LOCATION MAP

FIGURE 1



LEGEND:

MW-14 EXISTING MONITORING WELLS

GRAPHIC SCALE

50 0 50 100 150

Prepared by : AECOM

SUBMITTED BY : PK	MULTI SITE G - SMS INSTRUMENTS SITE SITE NO. 1-52-026		
DRAWN BY : MKC/jk	SITE PLAN		
APPROVED BY :	DATE : APRIL 2011	SCALE : AS SHOWN	DRAWING NO. : 2

J:\Project\SMS Instruments\Figures\Figures_GW_April 2011.dwg

SMS-12	Jun, 2006	Mar, 2007	Jan, 2008	Nov, 2008	Sep, 2009	Mar, 2011
16-17	ND	-	-	-	-	-
19-20	-	ND	7	ND	ND	3
23.5-24.5	**144,493**	344	**77,063**	**11,207**	5,740	**15,110**
29-30	406	ND	30	11	ND	16

SMS-12B	Mar, 2007	Jan, 2008	Nov, 2008	Sep, 2009	Mar, 2011
19-20	ND	ND	ND	ND	4
23.5-24.5	**114,360**	**29,831**	9,640	ND	5,870
29-30	ND	13	13	ND	16.7

SMS-15	Jun, 2006
16.5-17.5	4
22-23	3
27-28	ND

SMS
INSTRUMENTS

SMS-16	Jun, 2006	Mar, 2007	Jan, 2008	Nov, 2008	Sep, 2009	Mar, 2011
16.5-17.5	19	-	-	-	-	-
19-20	ND	147	8	4.3	ND	ND
22.5-23.5	**79,290**	-	-	-	-	**-**
23.5-24.5	-	222	**74,943**	5.5	ND	**13,160**
29-30	ND	ND	16	7.8	ND	17.3

SMS-10	Jun, 2006
18-19	3,960
24-25	2,700
28.5-29.5	9

SMS-16B	Mar, 2007	Jan, 2008	Nov, 2008	Sep, 2009	Mar, 2011
19-20	ND	12	ND	ND	ND
22.5-23.5	950	**13,900**	-	-	-
23.5-24.5	-	-	**10,338**	4,390	263.6
29-30	ND	20	9.4	ND	20.4

SMS-21	Jun, 2006
19-20	8
22-23	1,766
29-30	ND

DW	Jun, 2006	Mar, 2007	Jan, 2008	Nov, 2008	Sep, 2009	Mar, 2011
19-20	**140,241**	18	ND	ND	ND	81.2
21.5-22.5	**26,484**	-	-	-	-	-
23.5-24.5	-	-	-	7,384	2,270	**13,730**
24-25	**96,100**	ND	6,237	-	-	-
29-30	-	2	10	13	ND	9.2
30-31	ND	-	-	-	-	-

DWB	Mar, 2007	Jan, 2008	Nov, 2008	Sep, 2009	Mar, 2011
19-20	ND	3	ND	ND	2.2
23.5-24.5	-	-	9,640	8,880	146.6
24-25	**181,540**	229	-	-	-
29-30	ND	4	12	ND	10.1

SMS-23
SMS-13
SMS-22
AS-10
SVE-A
SMS-15
SMS-17
SMS-12B
SMS-12
SVE-C
AS-12
AS-11
AS-8
SMS-10
SMS-19
SVE-B
SMS-24
SVE-D
FORMER UST
SMS-16
AS-9
SVE-E
SMS-16B
SMS-7
AS-7
SMS-18
AS-6
SMS-21
SMS-20
DWB
SMS-8
AS-5
AS-4
AS-1
EW-3
SVE-F
DW
SVE-H
SVE-G
MW-6S
SMS-9
MW-6D
MW-5
AS-2
AS-3
SMS-1
SMS-6
FORMER
LEACHING
POOL
SMS-3
SMS-2
SMS-5
SMS-4
SMS-14
GRANITE.COM BUILDING
N

LEGEND:

- ○ Previous Boring
- SMS-● New Soil Boring (each new location was offset by 1-2 ft from the previous location).
- △ Air Sparge and Soil Vapor Extraction Point
- ⊕ Monitoring Well
- ⊕ Extraction Well

All Concentations in ug/kg

BOLD Indicates Exceedance of the 10,000 mg/kg Criteria.

ND = Not Detected

NS = Not Sampled

GRAPHIC SCALE
10 0 10 20 30

J:\Project\SMS Instruments\Figures\Figures_SOIL_April 2011.dwg

Prepared by : AECOM

SUBMITTED BY : PK

DRAWN BY : MKC/jk

APPROVED BY :

MULTI SITE G - SMS INSTRUMENTS SITE
SITE NO. 1-52-026

SUMMARY OF VOCs IN SOIL

DATE : APRIL 2011

SCALE : AS SHOWN

DRAWING NO. : 3

SMS-12	2006	2007	JAN 2008	NOV2008	SEP 2009	MAR 2011
16-17	ND	-	-	-	-	-
19-20	-	ND	ND	ND	ND	ND
23.5-24.5	3,800	ND	4,243	19	ND	ND
29-30	ND	ND	ND	ND	ND	ND

SMS-12B	2007	JAN 2008	NOV 2008	SEP 2009	MAR 2011
19-20	ND	ND	ND	ND	ND
23.5-24.5	1,200	52	ND	ND	ND
29-30	ND	ND	ND	ND	ND

SMS-15	2006
16.5-17.5	ND
22-23	ND
27-28	ND

SMS
INSTRUMENTS

SMS-16	2006	2007	JAN 2008	NOV 2008	SEP 2009	MAR 2011
16.5-17.5	ND	-	-	-	-	-
19-20	-	ND	ND	ND	ND	ND
22.5-23.5	**15,100**	-	-	-	-	-
23.5-24.5	-	ND	5,070	ND	ND	ND
29-30	ND	ND	ND	ND	ND	ND

SMS-10	2006
18-19	ND
24-25	154
28.5-29.5	ND

SMS-16B	2007	JAN 2008	NOV 2008	SEP 2009	MAR 2011
19-20	ND	ND	ND	ND	ND
23.5-24.5	50	425	378.9	ND	ND
29-30	ND	ND	ND	ND	ND

SMS-21	2006
19-20	3
22-23	6
29-30	ND

DW	2006	2007	JAN 2008	NOV 2008	SEP 2009	MAR 2011
19-20	**20,400**	ND	ND	ND	ND	ND
21.5-22.5	3,538	-	-	-	-	-
23.5-24.5	-	-	-	27	ND	3,020
24-25	**36,700**	ND	686	-	-	-
29-30	-	ND	ND	ND	ND	ND
30-31	ND	-	-	-	-	-

DWB	2007	JAN 2008	NOV 2008	SEP 2008	MAR 2011
19-20	ND	ND	ND	ND	ND
23.5-24.5	-	-	22	ND	ND
24-25	**26,100**	9	-	-	-
29-30	ND	ND	ND	ND	ND

N

SMS-23
SMS-13
SMS-22
AS-10
SMS-12
SVE-A
SMS-15
SMS-17
SMS-12B
SVE-C
AS-12
AS-11
AS-8
SMS-10
SMS-19
SVE-B
SMS-24
SVE-D
FORMER UST
SMS-16
AS-9
SVE-E
SMS-16B
SMS-7
AS-7
SMS-18
AS-6
SMS-21
SMS-20
DWB
SMS-8
AS-5
AS-4
AS-1
EW-3
SVE-F
DW
SVE-H
SVE-G
MW-6S
SMS-9
MW-6D
MW-5
AS-2
AS-3
SMS-1
SMS-6
FORMER
LEACHING
POOL
SMS-3
SMS-2
SMS-5
SMS-4
SMS-14
GRANITE.COM BUILDING

LEGEND:

- ○ Previous Boring
- SMS-16 ● New Soil Boring (each new location was offset by 1-2 ft from the previous location).
- △ Air Sparge and soil Vapor Extraction Point
- ⊕ Monitoring Well
- ⊕ Extraction Well

All Concentations in ug/kg

BOLD Indicates Exceedance of the 10,000 mg/kg Criteria.

ND = Not Detected

GRAPHIC SCALE

10 0 10 20 30

J: \Project\SMS Instruments\Figures\Figures_SOIL_April 2011.dwg

Prepared by : AECOM

SUBMITTED BY : PK

DRAWN BY : MKC/jk

APPROVED BY :

MULTI SITE G - SMS INSTRUMENTS SITE
SITE NO. 1-52-026

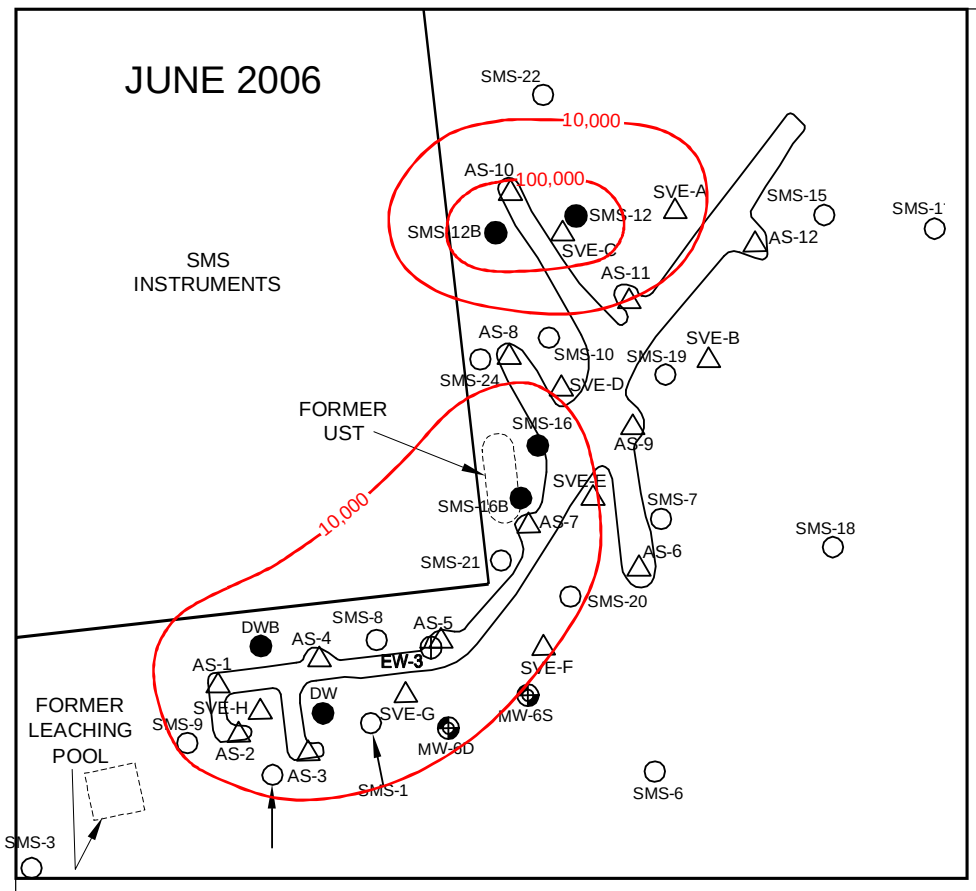
SUMMARY OF BTEX IN SOIL

DATE : APRIL 2011

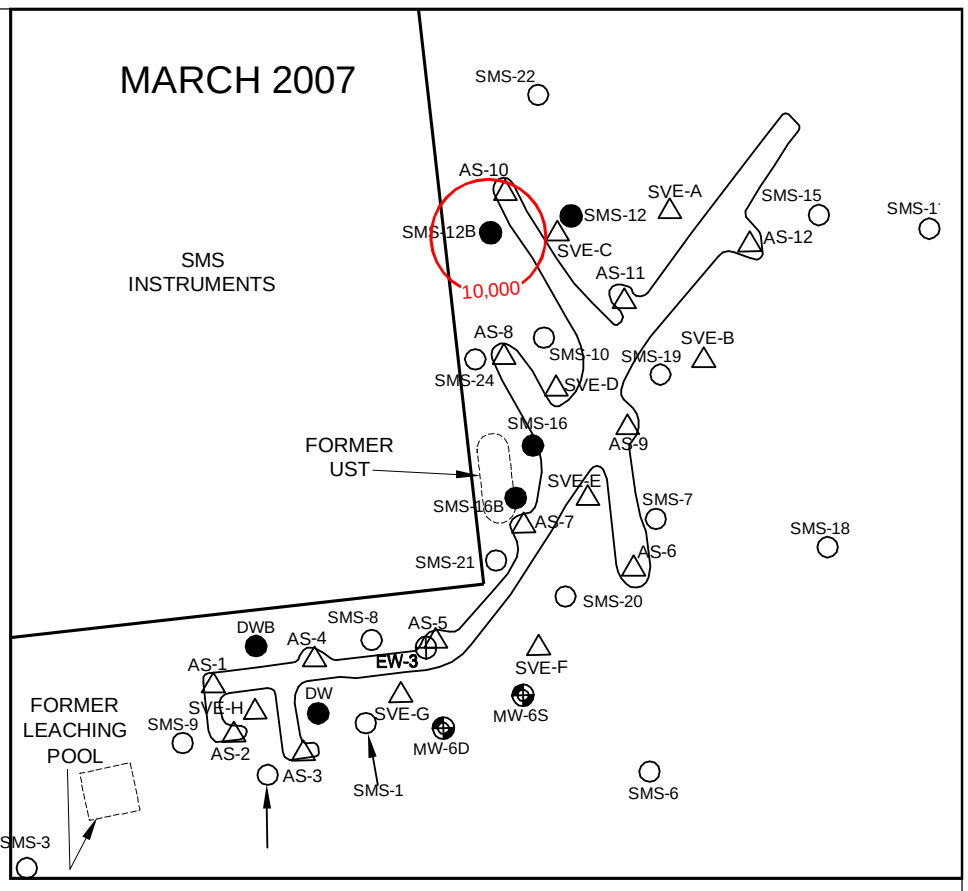
SCALE : AS SHOWN

DRAWING NO. : 4

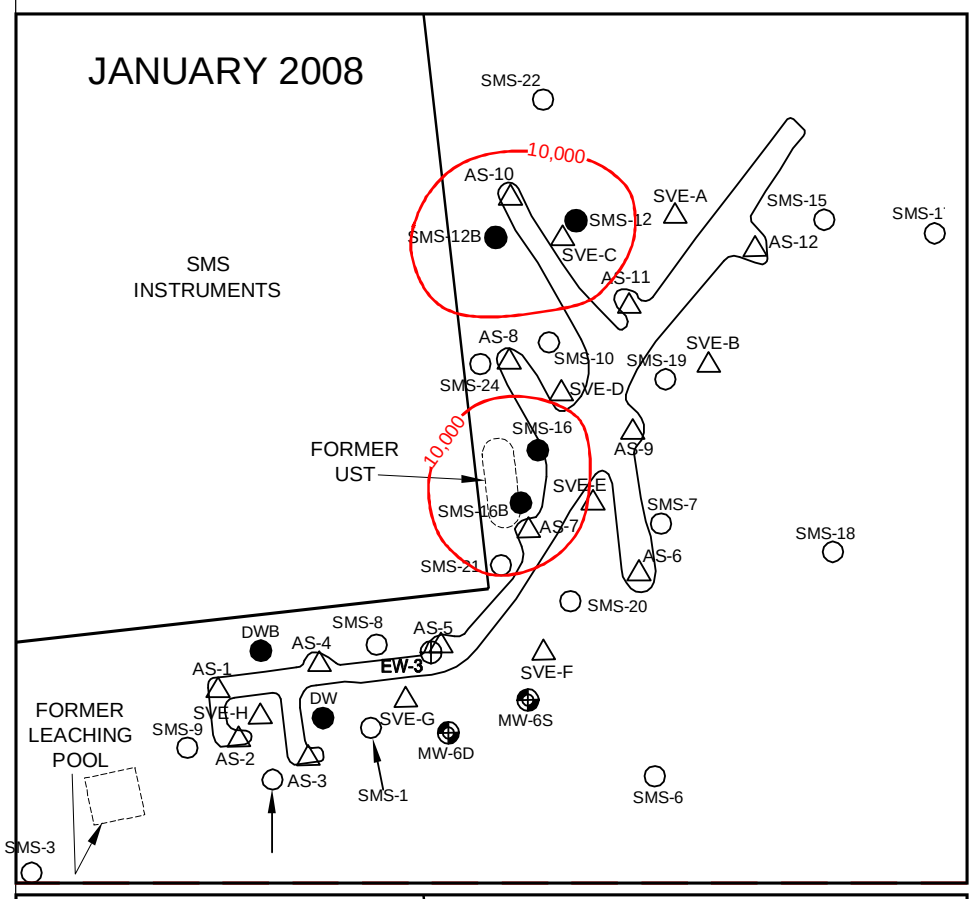
JUNE 2006



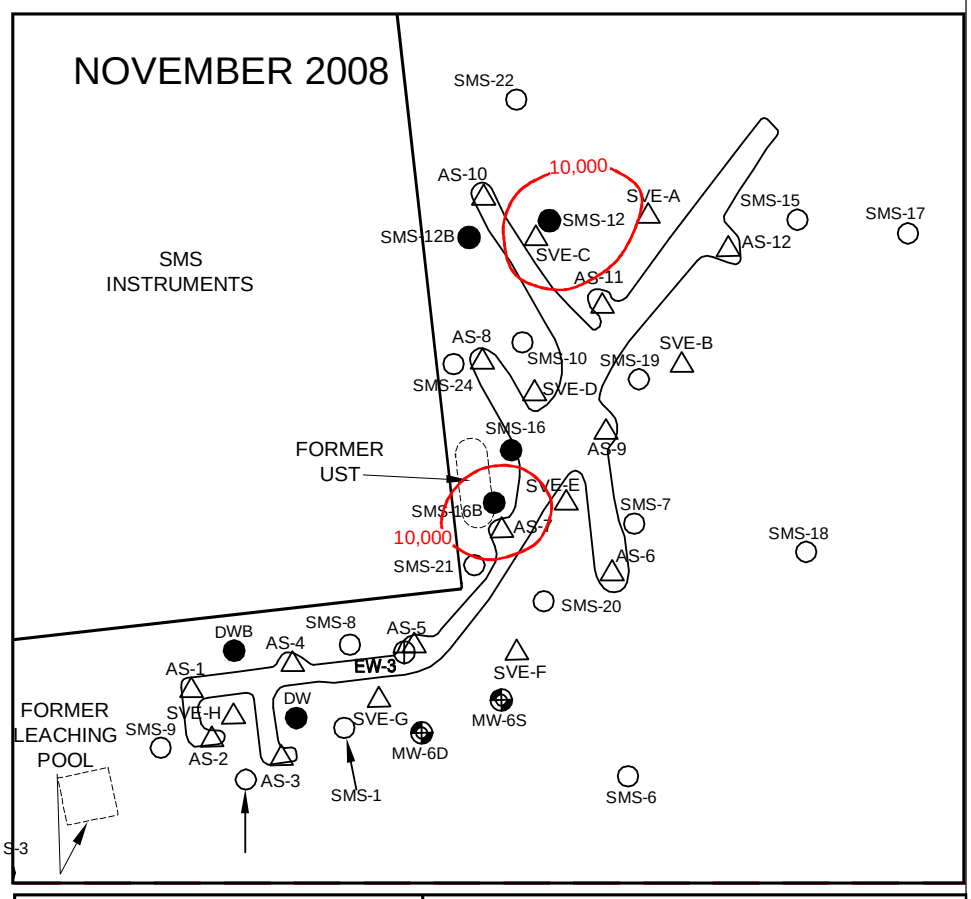
MARCH 2007



JANUARY 2008

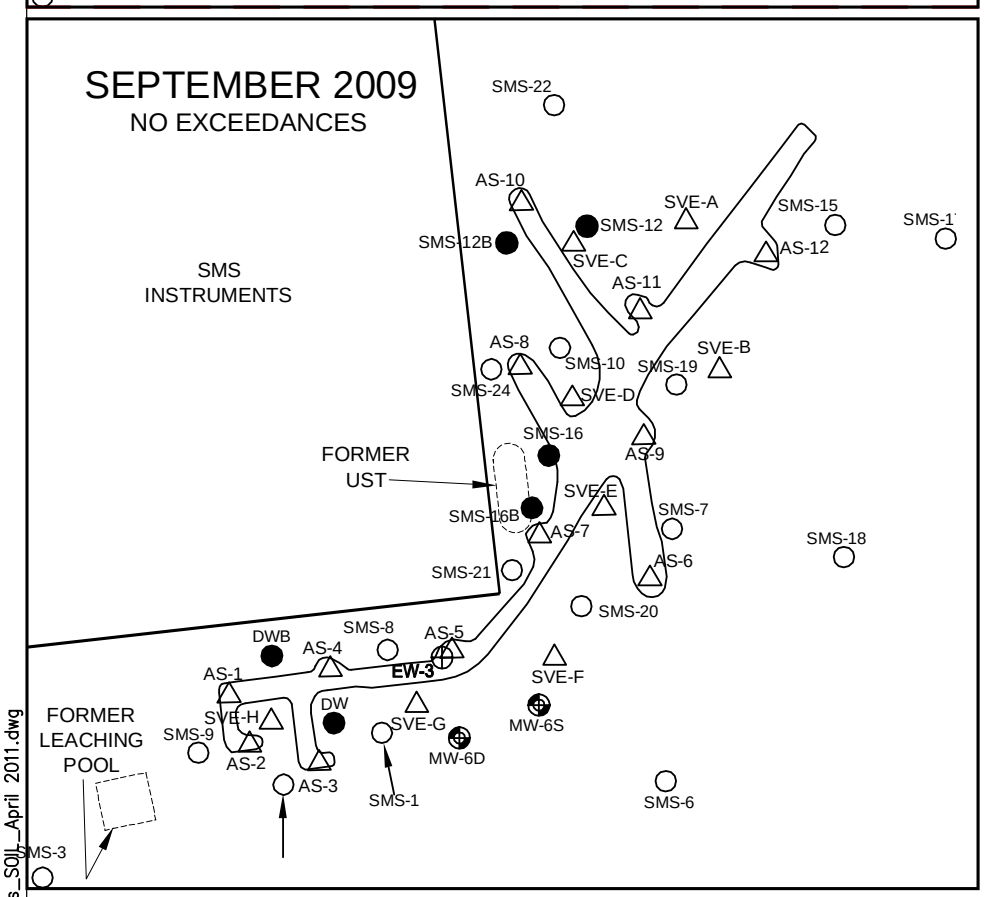


NOVEMBER 2008

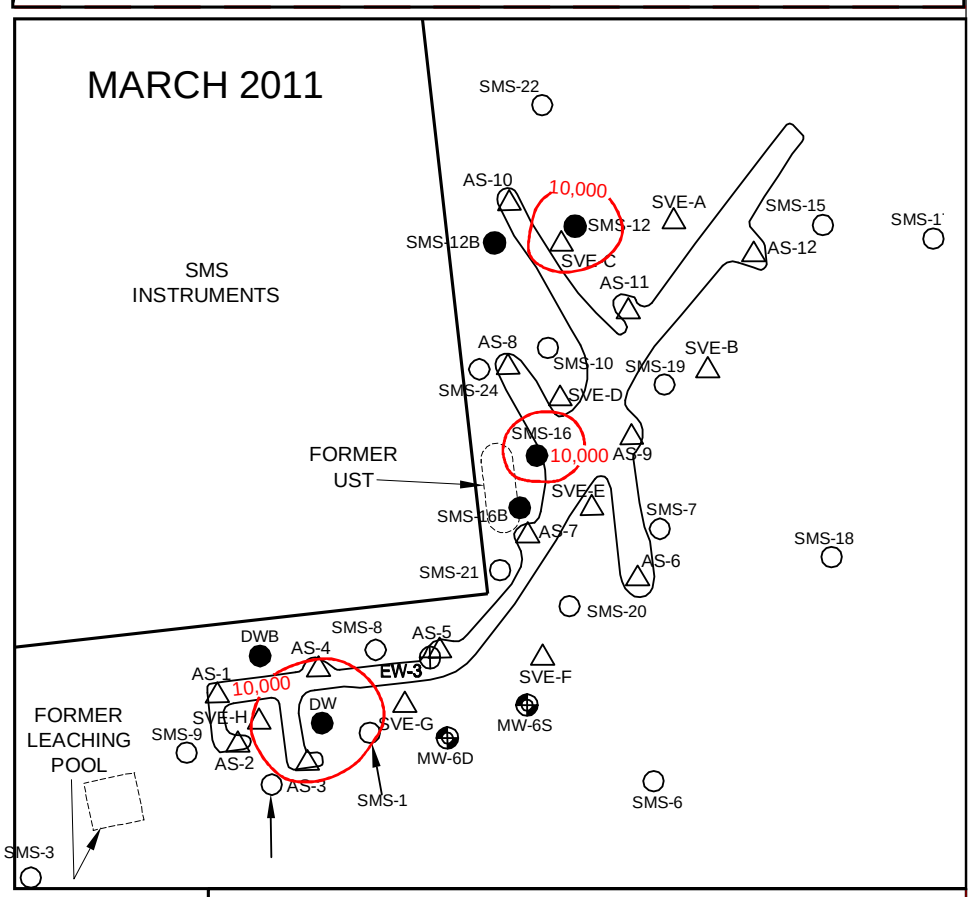


SEPTEMBER 2009

NO EXCEEDANCES



MARCH 2011



LEGEND:

- Previous Boring
- SMS-16 — New Soil Boring (each new location was offset by 1-2 ft from the previous location).
- Air Sparge and soil Vapor Extraction Point
- Monitoring Well
- Extraction Well
- 10,000 — Concentration Isopleth in ug/kg

GRAPHIC SCALE

10 0 10 20 30

Prepared by : AECOM

SUBMITTED BY : PK	MULTI SITE G - SMS INSTRUMENTS SITE SITE NO. 1-52-026
DRAWN BY : MKC/jk	**TOTAL VOCs ISOPLETH MAP** 22.5-25.9 FT INTERVAL JUNE 2006, MARCH 2007, JANUARY 2008, NOVEMBER 2008 AND MARCH 2011
APPROVED BY :	DATE : APRIL 2011 / SCALE : AS SHOWN / DRAWING NO. : 5

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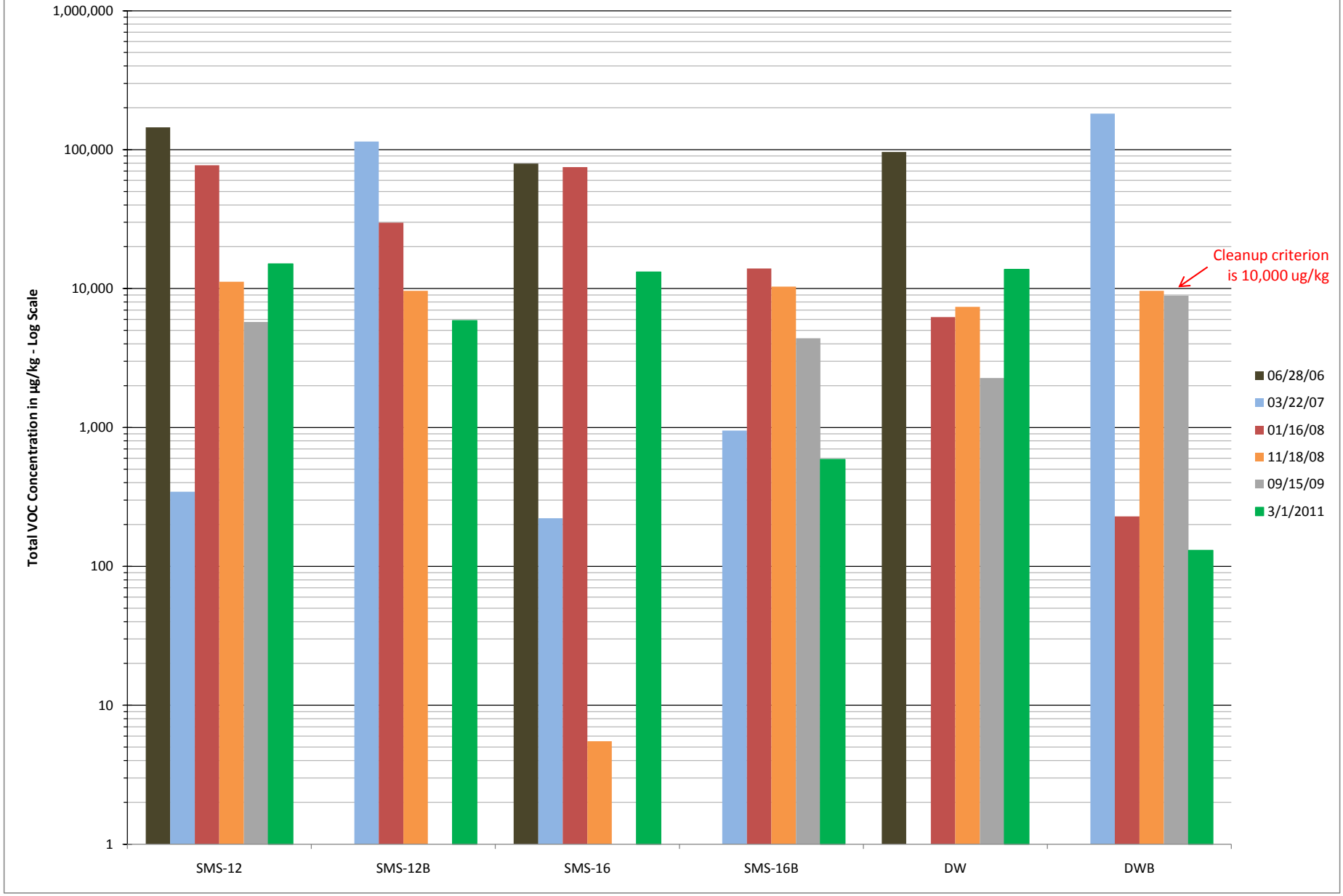
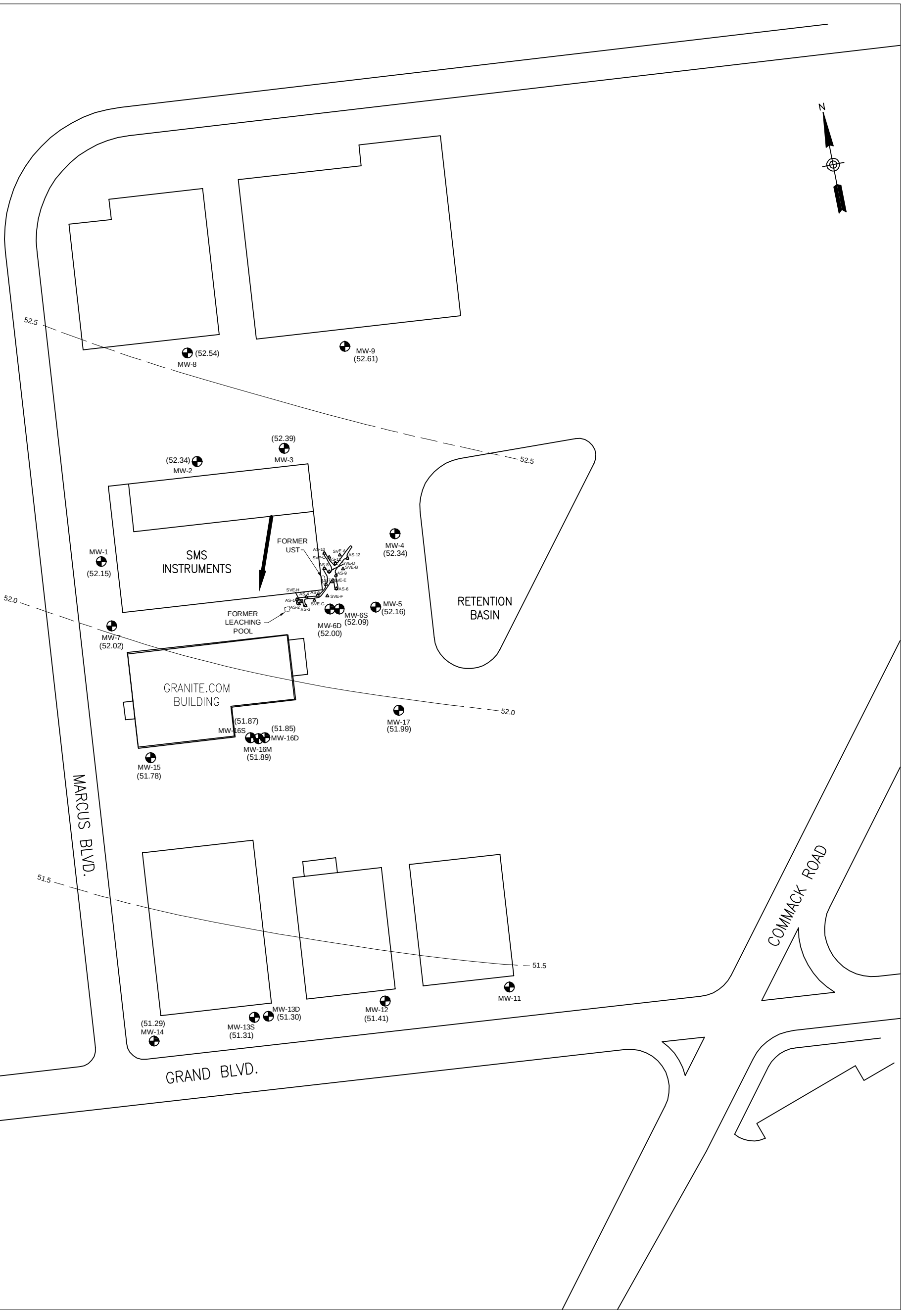
FIGURE 6
TOTAL VOC CONCENTRATIONS iN SOIL, 22 - 25 FT DEPTH INTERVAL





LEGEND:

MW-14 — EXISTING MONITORING WELLS

(51.29) — GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL

51.5 — GROUNDWATER CONTOUR ISOPLETH, CONTOUR INTERVAL =0.5 FT

DIRECTION OF GROUNDWATER FLOW

GRAPHIC SCALE

50 0 50 100 150

Prepared by : AECOM

SUBMITTED BY : PK

DRAWN BY : MKC/jk

APPROVED BY :

MULTI SITE G - SMS INSTRUMENTS SITE
SITE NO. 1-52-026

GROUNDWATER CONTOUR MAP

FEBRUARY 28, 2011

DATE : APRIL 2011

SCALE : AS SHOWN

DRAWING NO. : 7

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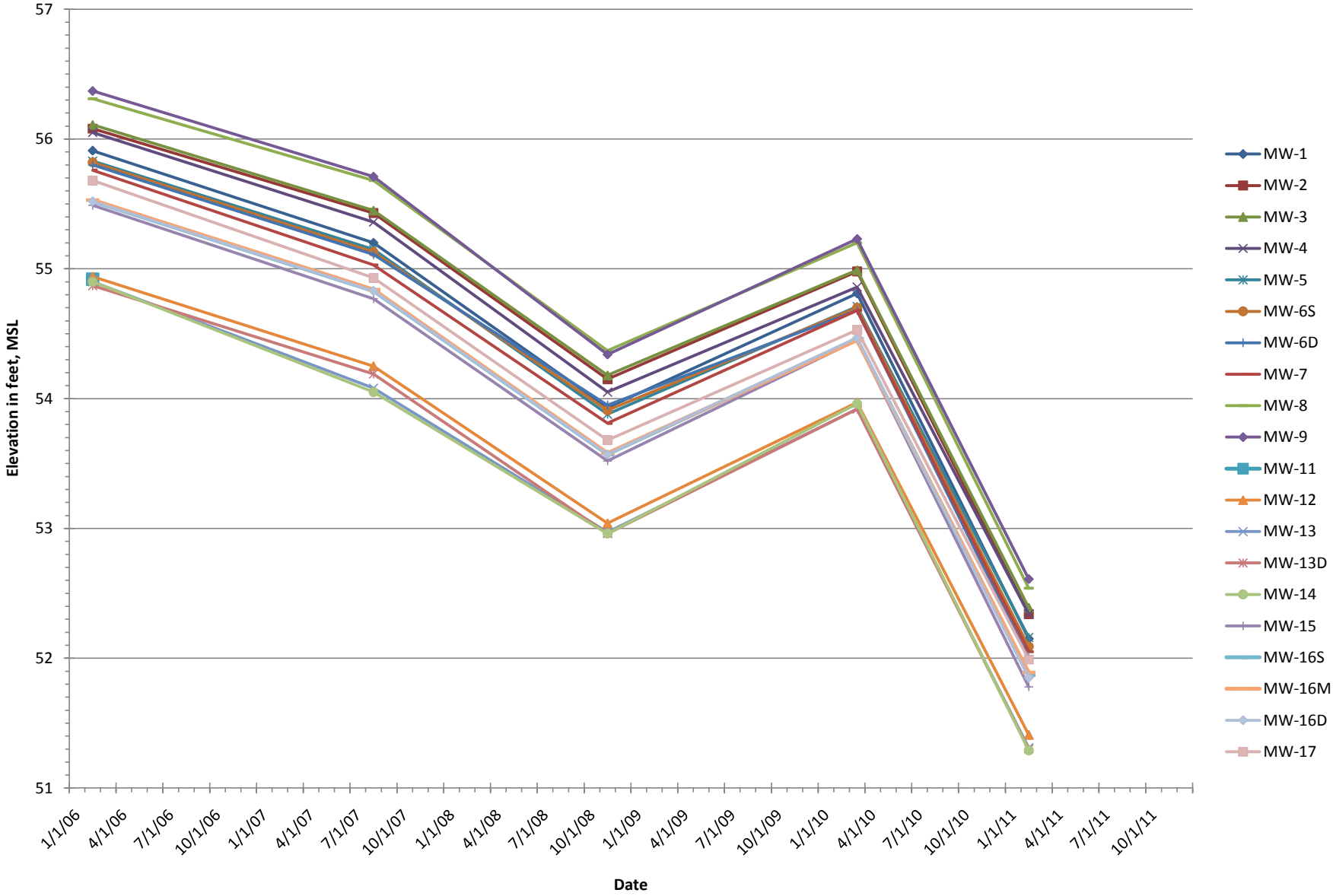
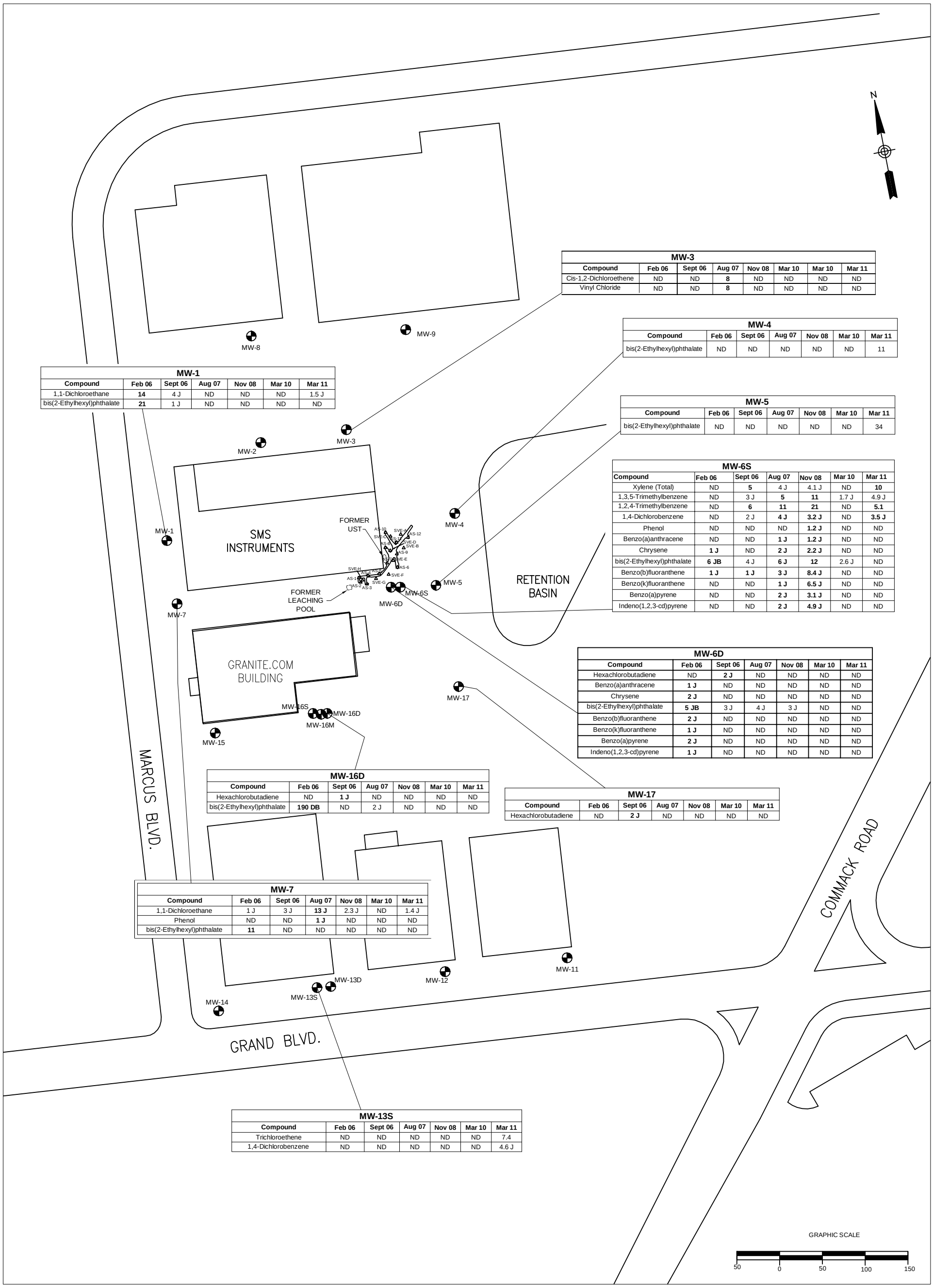
FIGURE 8
GROUNDWATER HYDROGRAPH





MW-1

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
1,1-Dichloroethane	**14**	4 J	ND	ND	ND	1.5 J
bis(2-Ethylhexyl)phthalate	**21**	1 J	ND	ND	ND	ND

MW-3

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 10	Mar 11
Cis-1,2-Dichloroethene	ND	ND	**8**	ND	ND	ND	ND
Vinyl Chloride	ND	ND	**8**	ND	ND	ND	ND

MW-4

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	11

MW-5

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	34

MW-6S

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
Xylene (Total)	ND	**5**	4 J	4.1 J	ND	**10**
1,3,5-Trimethylbenzene	ND	3 J	**5**	**11**	1.7 J	4.9 J
1,2,4-Trimethylbenzene	ND	**6**	**11**	**21**	ND	**5.1**
1,4-Dichlorobenzene	ND	2 J	**4 J**	**3.2 J**	ND	**3.5 J**
Phenol	ND	ND	ND	**1.2 J**	ND	ND
Benzo(a)anthracene	ND	ND	**1 J**	**1.2 J**	ND	ND
Chrysene	**1 J**	ND	**2 J**	**2.2 J**	ND	ND
bis(2-Ethylhexyl)phthalate	**6 JB**	4 J	**6 J**	**12**	2.6 J	ND
Benzo(b)fluoranthene	**1 J**	**1 J**	**3 J**	**8.4 J**	ND	ND
Benzo(k)fluoranthene	ND	ND	**1 J**	**6.5 J**	ND	ND
Benzo(a)pyrene	ND	ND	**2 J**	**3.1 J**	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	**2 J**	**4.9 J**	ND	ND

MW-6D

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
Hexachlorobutadiene	ND	**2 J**	ND	ND	ND	ND
Benzo(a)anthracene	**1 J**	ND	ND	ND	ND	ND
Chrysene	**2 J**	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	**5 JB**	3 J	4 J	3 J	ND	ND
Benzo(b)fluoranthene	**2 J**	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	**1 J**	ND	ND	ND	ND	ND
Benzo(a)pyrene	**2 J**	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	**1 J**	ND	ND	ND	ND	ND

MW-16D

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
Hexachlorobutadiene	ND	**1 J**	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	**190 DB**	ND	2 J	ND	ND	ND

MW-17

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
Hexachlorobutadiene	ND	**2 J**	ND	ND	ND	ND

MW-7

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
1,1-Dichloroethane	1 J	3 J	**13 J**	2.3 J	ND	1.4 J
Phenol	ND	ND	**1 J**	ND	ND	ND
bis(2-Ethylhexyl)phthalate	**11**	ND	ND	ND	ND	ND

MW-13S

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
Trichloroethene	ND	ND	ND	ND	ND	7.4
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	4.6 J

LEGEND:

MW-14 — EXISTING MONITORING WELLS

NOTES:

1. ALL UNITS IN ug/L
2. **BOLD** INDICATES EXCEEDANCE OF NYSDEC GROUNDWATER STANDARDS
3. ND - NOT DETECTED
4. NA - NO SAMPLE COLLECTED

NYSDEC GROUNDWATER STANDARDS

VOCs	ug/L
Vinyl Chloride	**2**
Acetone	**50**
1,1-Dichloroethane	**5**
cis-1,2-Dichloroethene	**5**
Trichloroethene	**5**
Xylene (Total)	**5**
1,3,5-Trimethylbenzene	**5**
1,2,4-Trimethylbenzene	**5**
1,4-Dichlorobenzene	**3**
Hexachlorobutadiene	**0.5**

SVOCs	ug/L
Phenol	**1**
Benzo(a)anthracene	**0.002**
Chrysene	**0.002**
bis(2-Ethylhexyl)phthalate	**5**
Benzo(b)fluoranthene	**0.002**
Benzo(k)fluoranthene	**0.002**
Benzo(a)pyrene	**ND**
Indeno(1,2,3-cd)pyrene	**0.002**

Prepared by : AECOM

SUBMITTED BY : PK

DRAWN BY : MKC

APPROVED BY : PK

MULTI SITE G - SMS INSTRUMENTS SITE
SITE NO. 1-52-026

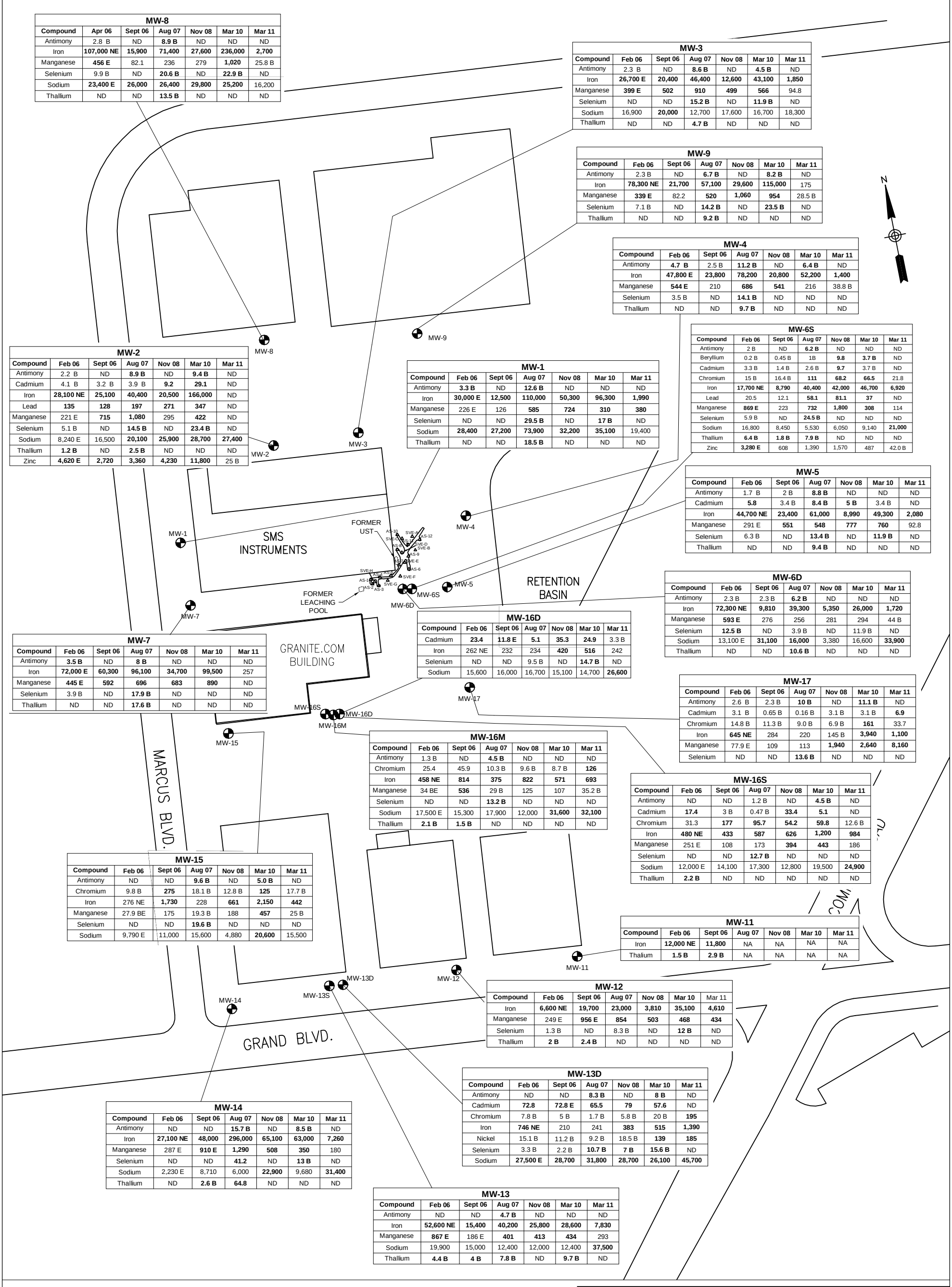
VOCs & SVOCs EXCEEDANCES IN GROUNDWATER

DATE : NOVEMBER 2007

SCALE : AS SHOWN

DRAWING NO. : **9**

J:\Project\SMS Instruments\Figures\Figures_GW_April 2011.dwg



MW-8

Compound	Apr 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
Antimony	2.8 B	ND	**8.9 B**	ND	ND	ND
Iron	**107,000 NE**	**15,900**	**71,400**	**27,600**	**236,000**	**2,700**
Manganese	**456 E**	82.1	236	279	**1,020**	25.8 B
Selenium	9.9 B	ND	**20.6 B**	ND	**22.9 B**	ND
Sodium	**23,400 E**	**26,000**	**26,400**	**29,800**	**25,200**	16,200
Thallium	ND	ND	**13.5 B**	ND	ND	ND

MW-3

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
Antimony	2.3 B	ND	**8.6 B**	ND	**4.5 B**	ND
Iron	**26,700 E**	**20,400**	**46,400**	**12,600**	**43,100**	**1,850**
Manganese	**399 E**	**502**	**910**	**499**	**566**	94.8
Selenium	ND	ND	**15.2 B**	ND	**11.9 B**	ND
Sodium	16,900	**20,000**	12,700	17,600	16,700	18,300
Thallium	ND	ND	**4.7 B**	ND	ND	ND

MW-9

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
Antimony	2.3 B	ND	**6.7 B**	ND	**8.2 B**	ND
Iron	**78,300 NE**	**21,700**	**57,100**	**29,600**	**115,000**	175
Manganese	**339 E**	82.2	**520**	**1,060**	**954**	28.5 B
Selenium	7.1 B	ND	**14.2 B**	ND	**23.5 B**	ND
Thallium	ND	ND	**9.2 B**	ND	ND	ND

MW-4

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
Antimony	**4.7 B**	2.5 B	**11.2 B**	ND	**6.4 B**	ND
Iron	**47,800 E**	**23,800**	**78,200**	**20,800**	**52,200**	**1,400**
Manganese	**544 E**	210	**686**	**541**	216	38.8 B
Selenium	3.5 B	ND	**14.1 B**	ND	ND	ND
Thallium	ND	ND	**9.7 B**	ND	ND	ND

MW-6S

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
Antimony	2 B	ND	**6.2 B**	ND	ND	ND
Beryllium	0.2 B	0.45 B	1B	**9.8**	**3.7 B**	ND
Cadmium	3.3 B	1.4 B	2.6 B	**9.7**	3.7 B	ND
Chromium	15 B	16.4 B	**111**	**68.2**	**66.5**	21.8
Iron	**17,700 NE**	**8,790**	**40,400**	**42,000**	**46,700**	**6,920**
Lead	20.5	12.1	**58.1**	**81.1**	**37**	ND
Manganese	**869 E**	223	**732**	**1,800**	**308**	114
Selenium	5.9 B	ND	**24.5 B**	ND	ND	ND
Sodium	16,800	8,450	5,530	6,050	9,140	**21,000**
Thallium	**6.4 B**	**1.8 B**	**7.9 B**	ND	ND	ND
Zinc	**3,280 E**	608	1,390	1,570	487	42.0 B

MW-2

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
Antimony	2.2 B	ND	**8.9 B**	ND	**9.4 B**	ND
Cadmium	4.1 B	3.2 B	3.9 B	**9.2**	**29.1**	ND
Iron	**28,100 NE**	**25,100**	**40,400**	**20,500**	**166,000**	ND
Lead	**135**	**128**	**197**	**271**	**347**	ND
Manganese	221 E	**715**	**1,080**	295	**422**	ND
Selenium	5.1 B	ND	**14.5 B**	ND	**23.4 B**	ND
Sodium	8,240 E	16,500	**20,100**	**25,900**	**28,700**	**27,400**
Thallium	**1.2 B**	ND	**2.5 B**	ND	ND	ND
Zinc	**4,620 E**	**2,720**	**3,360**	**4,230**	**11,800**	25 B

MW-1

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
Antimony	**3.3 B**	ND	**12.6 B**	ND	ND	ND
Iron	**30,000 E**	**12,500**	**110,000**	**50,300**	**96,300**	**1,990**
Manganese	226 E	126	**585**	**724**	**310**	**380**
Selenium	ND	ND	**29.5 B**	ND	**17 B**	ND
Sodium	**28,400**	**27,200**	**73,900**	**32,200**	**35,100**	19,400
Thallium	ND	ND	**18.5 B**	ND	ND	ND

MW-5

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
Antimony	1.7 B	2 B	**8.8 B**	ND	ND	ND
Cadmium	**5.8**	3.4 B	**8.4 B**	**5 B**	3.4 B	ND
Iron	**44,700 NE**	**23,400**	**61,000**	**8,990**	**49,300**	**2,080**
Manganese	291 E	**551**	**548**	**777**	**760**	92.8
Selenium	6.3 B	ND	**13.4 B**	ND	**11.9 B**	ND
Thallium	ND	ND	**9.4 B**	ND	ND	ND

MW-6D

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
Antimony	2.3 B	2.3 B	**6.2 B**	ND	ND	ND
Iron	**72,300 NE**	**9,810**	**39,300**	**5,350**	**26,000**	**1,720**
Manganese	**593 E**	276	256	281	294	44 B
Selenium	**12.5 B**	ND	3.9 B	ND	11.9 B	ND
Sodium	13,100 E	**31,100**	**16,000**	3,380	16,600	**33,900**
Thallium	ND	ND	**10.6 B**	ND	ND	ND

MW-7

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
Antimony	**3.5 B**	ND	**8 B**	ND	ND	ND
Iron	**72,000 E**	**60,300**	**96,100**	**34,700**	**99,500**	257
Manganese	**445 E**	**592**	**696**	**683**	**890**	ND
Selenium	3.9 B	ND	**17.9 B**	ND	ND	ND
Thallium	ND	ND	**17.6 B**	ND	ND	ND

MW-16D

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
Cadmium	**23.4**	**11.8 E**	**5.1**	**35.3**	**24.9**	3.3 B
Iron	262 NE	232	234	**420**	**516**	242
Selenium	ND	ND	9.5 B	ND	**14.7 B**	ND
Sodium	15,600	16,000	16,700	15,100	14,700	**26,600**

MW-17

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
Antimony	2.6 B	2.3 B	**10 B**	ND	**11.1 B**	ND
Cadmium	3.1 B	0.65 B	0.16 B	3.1 B	3.1 B	**6.9**
Chromium	14.8 B	11.3 B	9.0 B	6.9 B	**161**	33.7
Iron	**645 NE**	284	220	145 B	**3,940**	**1,100**
Manganese	77.9 E	109	113	**1,940**	**2,640**	**8,160**
Selenium	ND	ND	**13.6 B**	ND	ND	ND

MW-16M

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
Antimony	1.3 B	ND	**4.5 B**	ND	ND	ND
Chromium	25.4	45.9	10.3 B	9.6 B	8.7 B	**126**
Iron	**458 NE**	**814**	**375**	**822**	**571**	**693**
Manganese	34 BE	**536**	29 B	125	107	35.2 B
Selenium	ND	ND	**13.2 B**	ND	ND	ND
Sodium	17,500 E	15,300	17,900	12,000	**31,600**	**32,100**
Thallium	**2.1 B**	**1.5 B**	ND	ND	ND	ND

MW-16S

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
Antimony	ND	ND	1.2 B	ND	**4.5 B**	ND
Cadmium	**17.4**	3 B	0.47 B	**33.4**	**5.1**	ND
Chromium	31.3	**177**	**95.7**	**54.2**	**59.8**	12.6 B
Iron	**480 NE**	**433**	**587**	**626**	**1,200**	**984**
Manganese	251 E	108	173	**394**	**443**	186
Selenium	ND	ND	**12.7 B**	ND	ND	ND
Sodium	12,000 E	14,100	17,300	12,800	19,500	**24,900**
Thallium	**2.2 B**	ND	ND	ND	ND	ND

MW-15

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
Antimony	ND	ND	**9.6 B**	ND	**5.0 B**	ND
Chromium	9.8 B	**275**	18.1 B	12.8 B	**125**	17.7 B
Iron	276 NE	**1,730**	228	**661**	**2,150**	**442**
Manganese	27.9 BE	175	19.3 B	188	**457**	25 B
Selenium	ND	ND	**19.6 B**	ND	ND	ND
Sodium	9,790 E	11,000	15,600	4,880	**20,600**	15,500

MW-11

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
Iron	**12,000 NE**	**11,800**	NA	NA	NA	NA
Thalium	**1.5 B**	**2.9 B**	NA	NA	NA	NA

MW-12

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
Iron	**6,600 NE**	**19,700**	**23,000**	**3,810**	**35,100**	**4,610**
Manganese	249 E	**956 E**	**854**	**503**	**468**	**434**
Selenium	1.3 B	ND	8.3 B	ND	**12 B**	ND
Thallium	**2 B**	**2.4 B**	ND	ND	ND	ND

MW-13D

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
Antimony	ND	ND	**8.3 B**	ND	**8 B**	ND
Cadmium	**72.8**	**72.8 E**	**65.5**	**79**	**57.6**	ND
Chromium	7.8 B	5 B	1.7 B	5.8 B	20 B	**195**
Iron	**746 NE**	210	241	**383**	**515**	**1,390**
Nickel	15.1 B	11.2 B	9.2 B	18.5 B	**139**	**185**
Selenium	3.3 B	2.2 B	**10.7 B**	**7 B**	**15.6 B**	ND
Sodium	**27,500 E**	**28,700**	**31,800**	**28,700**	**26,100**	**45,700**

MW-14

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
Antimony	ND	ND	**15.7 B**	ND	**8.5 B**	ND
Iron	**27,100 NE**	**48,000**	**296,000**	**65,100**	**63,000**	**7,260**
Manganese	287 E	**910 E**	**1,290**	**508**	**350**	180
Selenium	ND	ND	**41.2**	ND	**13 B**	ND
Sodium	2,230 E	8,710	6,000	**22,900**	9,680	**31,400**
Thallium	ND	**2.6 B**	**64.8**	ND	ND	ND

MW-13

Compound	Feb 06	Sept 06	Aug 07	Nov 08	Mar 10	Mar 11
Antimony	ND	ND	**4.7 B**	ND	ND	ND
Iron	**52,600 NE**	**15,400**	**40,200**	**25,800**	**28,600**	**7,830**
Manganese	**867 E**	186 E	**401**	**413**	**434**	293
Sodium	19,900	15,000	12,400	12,000	12,400	**37,500**
Thallium	**4.4 B**	**4 B**	**7.8 B**	ND	**9.7 B**	ND

LEGEND:

EXISTING MONITORING WELLS
MW-14

NOTES:

1. ALL UNITS IN ug/L
2. **BOLD** INDICATES EXCEEDANCE OF NYSDEC GROUNDWATER STANDARDS
3. ND - NOT DETECTED
4. NA - NO SAMPLE COLLECTED

NYSDEC GROUNDWATER STANDARD

ANALYTE	ug/L
Antimony	**3**
Beryllium	**3**
Cadmium	**5**
Chromium	**50**
Iron	**300**
Lead	**25**
Manganese	**300**
Selenium	**10**
Sodium	**20,000**
Thallium	**0.5**
Zinc	**2,000**

GRAPHIC SCALE
50 0 50 100 150

Prepared by : AECOM

SUBMITTED BY : PK

DRAWN BY : SC

APPROVED BY : PK

MULTI SITE G - SMS INSTRUMENTS SITE
SITE NO. 1-52-026

METALS EXCEEDANCE IN GROUNDWATER

DATE : APRIL 2011

SCALE : AS SHOWN

DRAWING NO. : 10

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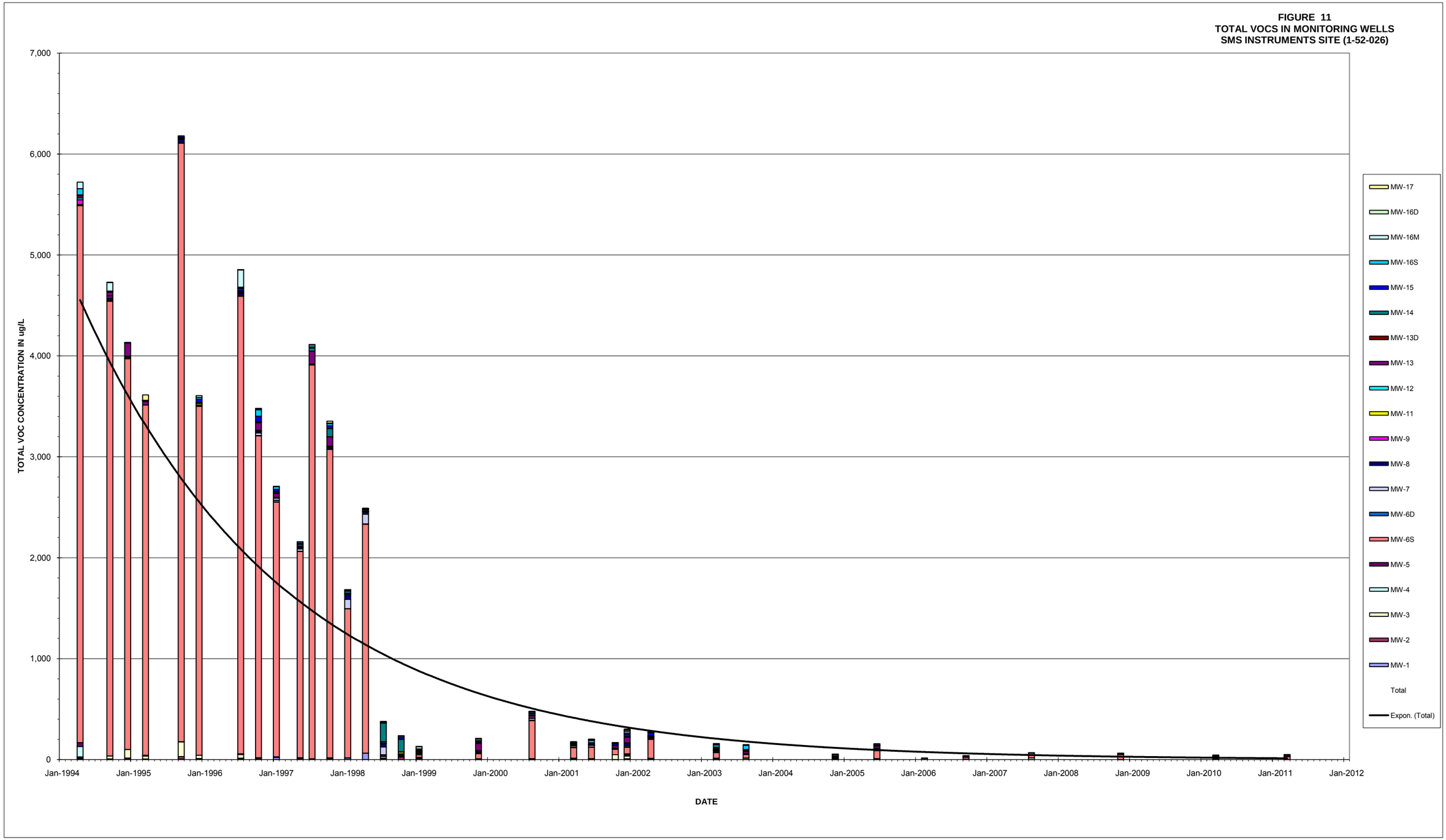
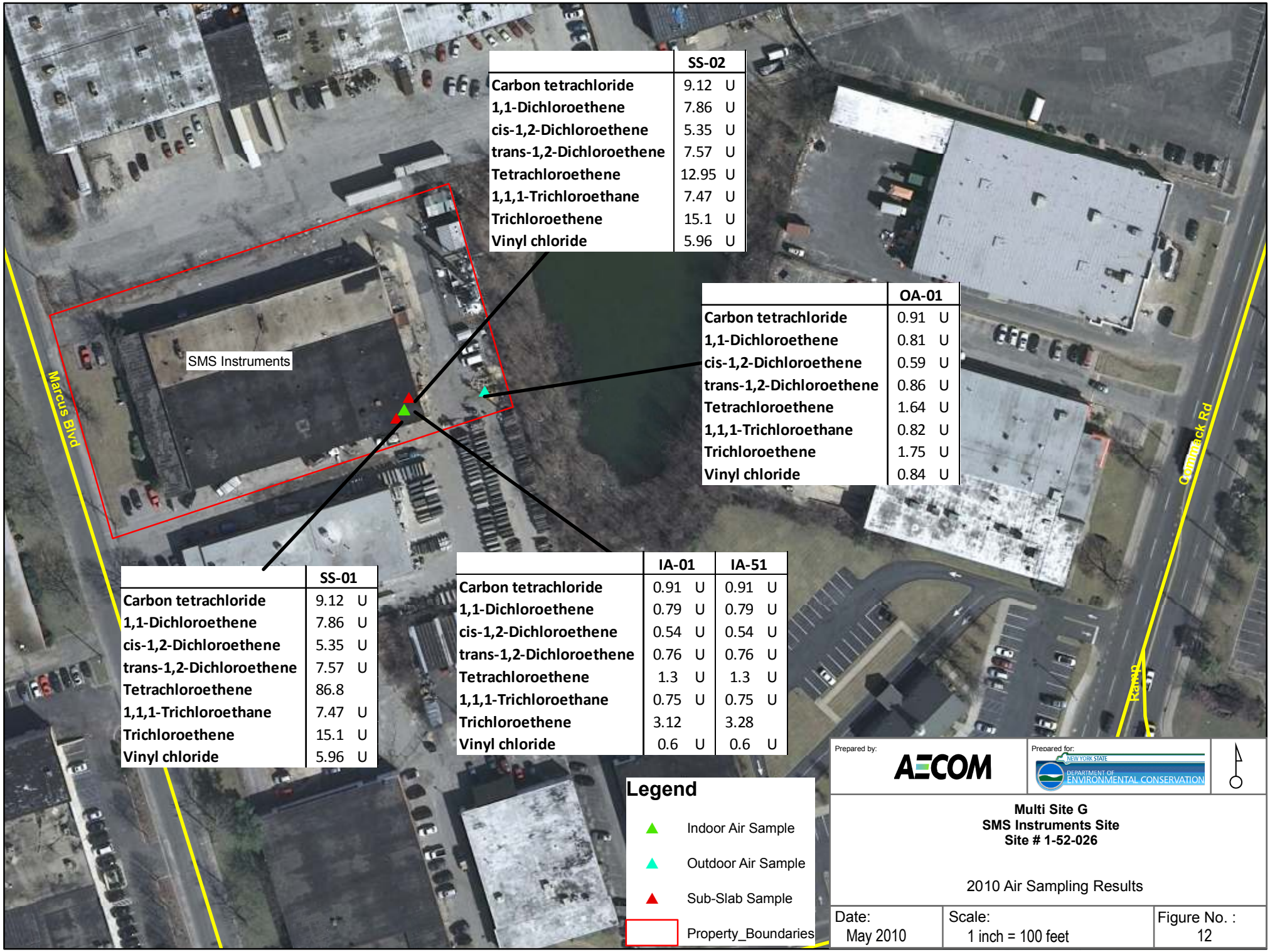
FIGURE 11
TOTAL VOCS IN MONITORING WELLS
SMS INSTRUMENTS SITE (1-52-026)





	SS-02	
Carbon tetrachloride	9.12	U
1,1-Dichloroethene	7.86	U
cis-1,2-Dichloroethene	5.35	U
trans-1,2-Dichloroethene	7.57	U
Tetrachloroethene	12.95	U
1,1,1-Trichloroethane	7.47	U
Trichloroethene	15.1	U
Vinyl chloride	5.96	U

	OA-01	
Carbon tetrachloride	0.91	U
1,1-Dichloroethene	0.81	U
cis-1,2-Dichloroethene	0.59	U
trans-1,2-Dichloroethene	0.86	U
Tetrachloroethene	1.64	U
1,1,1-Trichloroethane	0.82	U
Trichloroethene	1.75	U
Vinyl chloride	0.84	U

	SS-01	
Carbon tetrachloride	9.12	U
1,1-Dichloroethene	7.86	U
cis-1,2-Dichloroethene	5.35	U
trans-1,2-Dichloroethene	7.57	U
Tetrachloroethene	86.8	
1,1,1-Trichloroethane	7.47	U
Trichloroethene	15.1	U
Vinyl chloride	5.96	U

	IA-01		IA-51	
Carbon tetrachloride	0.91	U	0.91	U
1,1-Dichloroethene	0.79	U	0.79	U
cis-1,2-Dichloroethene	0.54	U	0.54	U
trans-1,2-Dichloroethene	0.76	U	0.76	U
Tetrachloroethene	1.3	U	1.3	U
1,1,1-Trichloroethane	0.75	U	0.75	U
Trichloroethene	3.12		3.28	
Vinyl chloride	0.6	U	0.6	U

Legend

- Indoor Air Sample
- Outdoor Air Sample
- Sub-Slab Sample
- Property_Boundaries

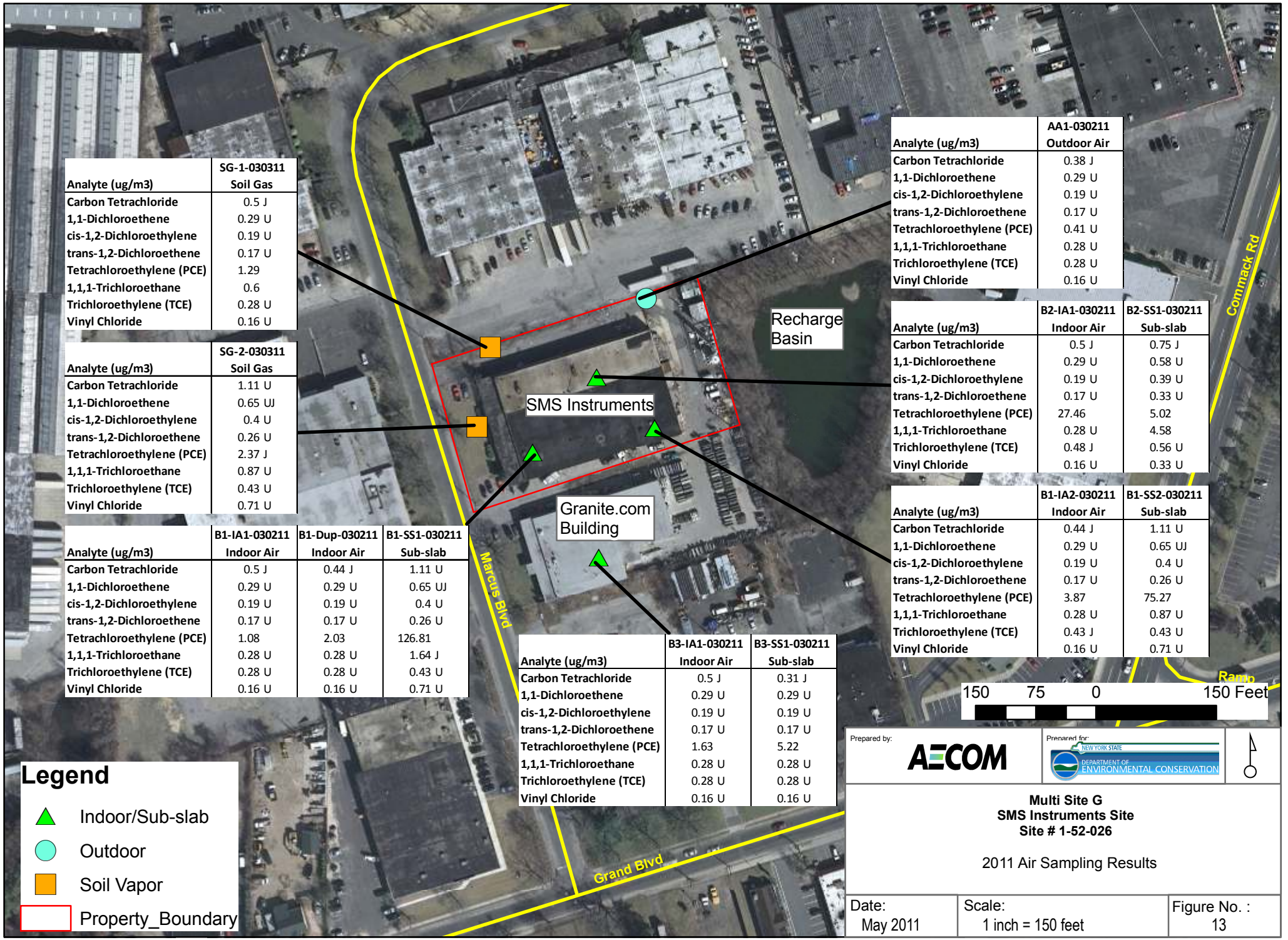
Prepared by: AECOM

Prepared for: NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Multi Site G
SMS Instruments Site
Site # 1-52-026

2010 Air Sampling Results

Date:	Scale:	Figure No. :
May 2010	1 inch = 100 feet	12



Analyte (ug/m3)	SG-1-030311 Soil Gas
Carbon Tetrachloride	0.5 J
1,1-Dichloroethene	0.29 U
cis-1,2-Dichloroethylene	0.19 U
trans-1,2-Dichloroethene	0.17 U
Tetrachloroethylene (PCE)	1.29
1,1,1-Trichloroethane	0.6
Trichloroethylene (TCE)	0.28 U
Vinyl Chloride	0.16 U

Analyte (ug/m3)	SG-2-030311 Soil Gas
Carbon Tetrachloride	1.11 U
1,1-Dichloroethene	0.65 UJ
cis-1,2-Dichloroethylene	0.4 U
trans-1,2-Dichloroethene	0.26 U
Tetrachloroethylene (PCE)	2.37 J
1,1,1-Trichloroethane	0.87 U
Trichloroethylene (TCE)	0.43 U
Vinyl Chloride	0.71 U

Analyte (ug/m3)	B1-IA1-030211 Indoor Air	B1-Dup-030211 Indoor Air	B1-SS1-030211 Sub-slab
Carbon Tetrachloride	0.5 J	0.44 J	1.11 U
1,1-Dichloroethene	0.29 U	0.29 U	0.65 UJ
cis-1,2-Dichloroethylene	0.19 U	0.19 U	0.4 U
trans-1,2-Dichloroethene	0.17 U	0.17 U	0.26 U
Tetrachloroethylene (PCE)	1.08	2.03	126.81
1,1,1-Trichloroethane	0.28 U	0.28 U	1.64 J
Trichloroethylene (TCE)	0.28 U	0.28 U	0.43 U
Vinyl Chloride	0.16 U	0.16 U	0.71 U

Analyte (ug/m3)	B3-IA1-030211 Indoor Air	B3-SS1-030211 Sub-slab
Carbon Tetrachloride	0.5 J	0.31 J
1,1-Dichloroethene	0.29 U	0.29 U
cis-1,2-Dichloroethylene	0.19 U	0.19 U
trans-1,2-Dichloroethene	0.17 U	0.17 U
Tetrachloroethylene (PCE)	1.63	5.22
1,1,1-Trichloroethane	0.28 U	0.28 U
Trichloroethylene (TCE)	0.28 U	0.28 U
Vinyl Chloride	0.16 U	0.16 U

Analyte (ug/m3)	AA1-030211 Outdoor Air
Carbon Tetrachloride	0.38 J
1,1-Dichloroethene	0.29 U
cis-1,2-Dichloroethylene	0.19 U
trans-1,2-Dichloroethene	0.17 U
Tetrachloroethylene (PCE)	0.41 U
1,1,1-Trichloroethane	0.28 U
Trichloroethylene (TCE)	0.28 U
Vinyl Chloride	0.16 U

Analyte (ug/m3)	B2-IA1-030211 Indoor Air	B2-SS1-030211 Sub-slab
Carbon Tetrachloride	0.5 J	0.75 J
1,1-Dichloroethene	0.29 U	0.58 U
cis-1,2-Dichloroethylene	0.19 U	0.39 U
trans-1,2-Dichloroethene	0.17 U	0.33 U
Tetrachloroethylene (PCE)	27.46	5.02
1,1,1-Trichloroethane	0.28 U	4.58
Trichloroethylene (TCE)	0.48 J	0.56 U
Vinyl Chloride	0.16 U	0.33 U

Analyte (ug/m3)	B1-IA2-030211 Indoor Air	B1-SS2-030211 Sub-slab
Carbon Tetrachloride	0.44 J	1.11 U
1,1-Dichloroethene	0.29 U	0.65 UJ
cis-1,2-Dichloroethylene	0.19 U	0.4 U
trans-1,2-Dichloroethene	0.17 U	0.26 U
Tetrachloroethylene (PCE)	3.87	75.27
1,1,1-Trichloroethane	0.28 U	0.87 U
Trichloroethylene (TCE)	0.43 J	0.43 U
Vinyl Chloride	0.16 U	0.71 U

Legend

- Indoor/Sub-slab
- Outdoor
- Soil Vapor
- Property_Boundary

Prepared by: AECOM

Prepared for: NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Multi Site G
SMS Instruments Site
Site # 1-52-026

2011 Air Sampling Results

Date:	Scale:	Figure No. :
May 2011	1 inch = 150 feet	13

Appendix A

Chronology of Events

Chronology of Events

1971 to 1983 – SMS Instruments, Inc. operates at the Site overhauling military aircraft components. Industrial wastes generated from degreasing and other refurbishing operations were discharged to a leaching poll on-site. A 6,000-gallon UST containing jet fuel was sued at the Site.

1983 – The leaching pool was pumped out, filled with sand and the inlet lines were sealed.

October 15, 1984 – USEPA proposes the SMS site for inclusion on the National Priorities List (NPL).

June 10, 1986 – USEPA includes the Site on the NPL.

1987 to 1989 – USEPA performed a RI/FS at the Site, found organic and inorganic contamination in soil and groundwater.

February 17, 1988 – USEPA removed a UST form the east side of the SMS Building.

September 29, 1989 – A ROD for OU-1 (on-site soil and groundwater contamination) was issued for the Site. Remedies included SVE and pump and treat.

1992 to 1994 – An SVE system was operated near the former leaching pond ad UST areas. The SVE system was demobilized in March 1994 after the cleanup criteria were met.

September 27, 1993 – USEPA completed a RI for upgradient sources. No contamination was found and the ROD for OU-2 specifying “No Action” was signed.

1994 - Construction of the groundwater pump and treat system was completed and the system became operational.

November 1995 – USEPA removed approximately 50 drums from a storage shed located in the northeast corner of the Site.

August 2004 – direct push sampling was conducted to delineate soil contamination in the vicinity of monitoring well MW-6S.

May 24, 2005 – Earth Tech installs and begins operation of the PHOSter™ System.

July 15, 2005 - USEPA turns over control of the Site to NYSDEC.

August 31, 2005 - Influent/effluent sampling of P&T system for system evaluation.

October 6, 2005 - Earth Tech letter to NYSDEC recommending shutdown of pump and treat system.

October 21, 2005 - NYSDEC letter of concurrence on shutdown of pump and treat system.

February 2006 - Round 1 groundwater sampling.

June 28 and 29, 2006 - PHOSter™ System soil sampling.

September 2006 - Round 2 groundwater sampling.

October 13, 2006 - Final Semiannual Groundwater Sampling Report (Feb 06 event).

October 13, 2006 - Final PHOSter™ System Soil Sampling (June 2006 Event).

December 6, 2006 - Final Groundwater Sampling Report (Sept 2006 event).

December 19, 2006 - NYSDEC letter of concurrence with recommendation to dismantle the P&T system and request for a Dismantlement Plan.

April 26, 2007 - Submission of Final Dismantlement Plan.

May 2, 2007 - NYSDEC issues Notice to Proceed with the P&T system dismantlement.

May 29 to June 7, 2007 - Phase I demolition: removal of all above ground piping and tanks, removal of all equipment from inside the blue metal building (except chemicals).

June 22, 2007 - Final PHOSter™ System Soil Sampling Report (March 2007 sampling event).

July 16, 2007 - Electrical work: construct new “H” frame and terminate the electric service into the P&T building (subcontracted to ADB & Son Electric).

August 13 through 18, 2007 – Round 3 groundwater sampling.

October 9, 2007 - Spent carbon (from the air stripper tower) removed from the Site by Siemens.

November 2, 2007 - Remove all chemical waste from the P&T building (subcontracted to Veolia ES Technical Solutions LLC).

November 20, 2007 - Terminate the potable water line to the P&T building (excavation and plumbing work subcontracted to Pro Mechanical).

December 12, 2007 - Receipt of demolition permit from Town of Babylon, NY.

December 26 to 28, 2007 - Completion of P&T building demolition, move PHOSter™ system trailer to new location.

January 16 & 17, 2008 – PHOSter™ System soil sampling.

February 2008 – Final Groundwater Sampling Report (August 2007 event).

May 2008 - Final GW P&T System Dismantlement Report.

May 2008 - Final PHOSter™ System Soil Sampling Report (January 2008 sampling event).

November 4 through 7, 2008 – Round 3 groundwater sampling.

November 18 & 19, 2008 - PHOSter™ System soil sampling.

March 2009 - Final Groundwater Sampling Report (November 2008 event).

April 2009 - Final PHOSter™ System Soil Sampling Report (November 2008 sampling event).

September 15 & 16, 2009 - PHOSter™ System soil sampling.

January 6, 2010 – Temporary shutdown of the PHOSter™ system.

January 2010 - Final PHOSter™ System Soil Sampling Report (September 2008 sampling event).

February 24 & 25, 2010 - Subslab and Indoor air sampling inside the SMS Instruments Building.

March 8 through 12, 2010 – Round 5 groundwater sampling.

August 2010 – Final Indoor Air Sampling Report (February 2010 sampling event).

August 2010 - Final Groundwater Sampling Report (March 2010 event).

February 2011 – Indoor Air Sampling Work Plan.

February 28 through March 4, 2011 – closeout sampling: subslab/indoor air, groundwater and PHOSter™ system soil sampling.

Appendix B

Soil Boring Logs - March 2011 Sampling Event

AECOM

DIRECT PUSH BORING LOG

Boring No.: DW

PROJECT: SMS Instruments (1-52-026)			PAGE 1 OF 2	
PROJECT No.: 60135736	CONTRACTOR: LAWES		DATE: 3-1-11	
LOCATION: Deer Park, NY	DRILLERS NAME: Ernesto		AECOM REP.: SW	
WATER LEVELS	DESIGNATION OF DRILL RIG: Geoprobe 66 DT			
DATE / TIME / DEPTH	SIZE AND TYPE OF EQUIPMENT:			
	REFERENCE ELEVATION:	DEPTH OF BOREHOLE: 30 ft		
	THICKNESS OF OVERBURDEN:	DISPOSITION OF BOREHOLE: grouted		
LABORATORY ANALYSES: VOCs, methanotrophs				

Depth (ft)	Sample Number & Time	Rec. (feet)	PID Readings (ppm)	SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES
1	S-1 1410	3.0	0.0	Asphalt/gravel Dark brown f-c SAND, little silt, little fine gravel, dry, no odor
2				
3				
4			0.0	Light brown f^{+}-c SAND, little silt, little fine gravel, dry, no odor
5				
6	S-2 1415	4.0	0.0	Light brown f^{+}-c SAND, little silt, little fine gravel, dry, no odor
7				
8				
9				
10				
11	S-3 1420	3.0	0.0	Light brown f^{+}-c SAND, little silt, little fine gravel, dry, no odor
12				
13				
14				
15				
16	S-4 1430	4.0	0.0	Light brown f^{+}-c SAND, little silt, little fine gravel, very moist @ 20', slight petroleum odor @ 20'
17				
18				
19				
20			3.8	**Collect sample DW (19-20)**

AECOM

DIRECT PUSH BORING LOG

Boring No.: DW

PROJECT: SMS Instruments

PROJECT No.: 60135736

Depth (ft)	Sample Number & Time	Rec. (feet)	PID Readings (ppm)	SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES
20				
21			28.9	Same as above
22	S-5 1440	4.0	471	Dark gray f^{+}-c SAND, little silt, little fine gravel, wet, strong petroleum odor
23				
24				**Collect sample DW (23.5-24.5)**
25				
26				
27	S-6 1515	2.5	0.0	Light brown f^{+}-c SAND, little fine gravel, trace silt, wet, no odor
28				
29				
30				**Collect sample DW (29-30)**
31				Bottom of boring, no refusal
42				
33				
34				
35				
36				
37				
38				
39				
40				

AECOM

DIRECT PUSH BORING LOG

Boring No.: DW-B

PROJECT: SMS Instruments (1-52-026)				PAGE 1 OF 2
PROJECT No.: 60135736		CONTRACTOR: LAWES		DATE: 3-1-11
LOCATION: Deer Park, NY		DRILLERS NAME: Ernesto		AECOM REP.: SW
WATER LEVELS		DESIGNATION OF DRILL RIG: Geoprobe 66 DT		
DATE / TIME / DEPTH		SIZE AND TYPE OF EQUIPMENT:		
		REFERENCE ELEVATION:	DEPTH OF BOREHOLE: 30 ft	
		THICKNESS OF OVERBURDEN:	DISPOSITION OF BOREHOLE: grouted	
LABORATORY ANALYSES: VOCs, methanotrophs				

Depth (ft)	Sample Number & Time	Rec. (feet)	PID Readings (ppm)	SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES
1				Asphalt/gravel
2	S-1 1140		0.0	Dark brown f-c SAND, little silt, little fine gravel, brick fragments, dry, no odor
3				
4			0.0	Light brown f^{+}-c SAND, little silt, little fine gravel, dry, no odor
5				
6				
7	S-2 1145		0.0	Light brown f^{+}-c SAND, little silt, little fine gravel, dry, no odor
8				Approx. 3" dark reddish-brown layer @ 9'
9				
10				
11				
12	S-3 1155		0.0	Light brown f^{+}-c SAND, little silt, little fine gravel, dry, no odor
13				
14				
15				
16				
17	S-4 1205		0.0	Light brown f^{+}-c SAND, little silt, little fine gravel, very moist @ 20', no odor
18				
19				
20				**Collect sample DW-19-20**

AECOM

DIRECT PUSH BORING LOG

Boring No.: DW-B

PROJECT: SMS Instruments

PROJECT No.: 60135736

Depth (ft)	Sample Number & Time	Rec. (feet)	PID Readings (ppm)	SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES
20				
21			1.1	Same as above
22	S-5 1220		124	Gray f^{+}-c SAND, little silt, little fine gravel, wet, moderate petroleum odor
23				
24				**Collect sample DW-23.5-24.5**
25				
26				
27	S-6 1230		0.0	Light brown f^{+}-c SAND, little fine gravel, trace silt, wet, no odor
28				
29				
30				**Collect sample DW-29-30**
31				Bottom of boring, no refusal
42				
33				
34				
35				
36				
37				
38				
39				
40				

AECOM

DIRECT PUSH BORING LOG

Boring No.: SMS-12

PROJECT: SMS Instruments (1-52-026)				PAGE 1 OF 2	
PROJECT No.: 60135736		CONTRACTOR: LAWES		DATE: 3-1-11	
LOCATION: Deer Park, NY		DRILLERS NAME: Ernesto		AECOM REP.: SW	
WATER LEVELS		DESIGNATION OF DRILL RIG: Geoprobe 66 DT			
DATE	TIME	DEPTH	SIZE AND TYPE OF EQUIPMENT:		
			REFERENCE ELEVATION:	DEPTH OF BOREHOLE: 30 ft	
			THICKNESS OF OVERBURDEN:	DISPOSITION OF BOREHOLE: grouted	
LABORATORY ANALYSES: VOCs, methanotrophs					

Depth (ft)	Sample Number & Time	Rec. (feet)	PID Readings (ppm)	SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES
1	S-1 1015	3.0		Asphalt/gravel
1			1.2	Dark brown f-c SAND, little silt, little fine gravel, dry, no odor
2				
3				
4			0.0	Light brown f^{+}-c SAND, little silt, little fine gravel, dry, no odor
5				
6	S-2 1020	4.0	0.0	Light brown f^{+}-c SAND, little silt, little fine gravel, dry, no odor
7				
8				
9				
10				
11	S-3 1030	3.5	0.0	Light brown f^{+}-c SAND, little silt, little fine gravel, dry, no odor
12				
13				
14				
15				
16	S-4 1045	4.0	0.0	Light brown f^{+}-c SAND, little silt, little fine gravel, very moist @ 20', slight petroleum odor @20'
17				
18				
19				
20			10.6	**Collect sample SMS-12 (19-20)**

AECOM

DIRECT PUSH BORING LOG

Boring No.: SMS-12

PROJECT: SMS Instruments

PROJECT No.: 60135736

Depth (ft)	Sample Number & Time	Rec. (feet)	PID Readings (ppm)	SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES
20				
21				
22	S-5 1055	3.5	344	Gray/dark gray f^{+}-c SAND, little silt, little fine gravel, wet, strong petroleum odor
23				
24				**Collect sample SMS-12 (23.5-24.5)**
25				
26				
27	S-6 1110	3.5	1.3	Light brown f^{+}-c SAND, little fine gravel, trace silt, wet, no odor
28				
29				
30				**Collect sample SMS-12 (29-30)**
31				Bottom of boring, no refusal
42				
33				
34				
35				
36				
37				
38				
39				
40				

AECOM

DIRECT PUSH BORING LOG

Boring No.: SB-12B

PROJECT: SMS Instruments (1-52-026)				PAGE 1 OF 2
PROJECT No.: 60135736		CONTRACTOR: LAWES		DATE: 3-1-11
LOCATION: Deer Park, NY		DRILLERS NAME: Ernesto		AECOM REP.: SW
WATER LEVELS		DESIGNATION OF DRILL RIG: Geoprobe 66 DT		
DATE	TIME / DEPTH	SIZE AND TYPE OF EQUIPMENT:		
		REFERENCE ELEVATION:	DEPTH OF BOREHOLE: 30 ft	
		THICKNESS OF OVERBURDEN:	DISPOSITION OF BOREHOLE: grouted	
LABORATORY ANALYSES: VOCs, methanotrophs				

Depth (ft)	Sample Number & Time	Rec. (feet)	PID Readings (ppm)	SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES
1	S-1 915	3.0	0.0	Asphalt/gravel Dark brown f-c SAND, little silt, little fine gravel, dry, no odor
2				
3				
4			0.0	Light brown f^{+}-c SAND, little silt, little fine gravel, dry, no odor
5				
6	S-2 920	4.0	0.0	Light brown f^{+}-c SAND, little silt, little fine gravel, dry, no odor
7				
8				
9				
10				
11	S-3 925	4.0	0.0	Light brown f^{+}-c SAND, little silt, little fine gravel, dry, no odor
12				
13				
14				
15				
16	S-4 935	4.0	0.0	Light brown f^{+}-c SAND, little silt, little fine gravel, very moist @ 20', no odor
17				
18				
19				
20				**Collect sample SMS-12B (19-20)**

AECOM

DIRECT PUSH BORING LOG

Boring No.: SB-12B

PROJECT: SMS Instruments

PROJECT No.: 60135736

Depth (ft)	Sample Number & Time	Rec. (feet)	PID Readings (ppm)	SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES
20				
21			206	Same as above, strong petroleum odor
22	S-5 950	3.0	644	Gray/dark gray f^{+}-c SAND, little silt, little fine gravel, wet, strong petroleum odor
23				
24				**Collect sample SMS-12B (23.5-24.5)**
25				
26				
27	S-6 1000	3.0	3.4	Light brown f^{+}-c SAND, little fine gravel, trace silt, wet, no odor
28				
29				
30				**Collect sample SMS-12B (29-30)**
31				Bottom of boring, no refusal
42				
33				
34				
35				
36				
37				
38				
39				
40				

AECOM

DIRECT PUSH BORING LOG

Boring No.: SMS-16

PROJECT: SMS Instruments (1-52-026)				PAGE 1 OF 2
PROJECT No.: 60135736		CONTRACTOR: LAWES		DATE: 3-2-11
LOCATION: Deer Park, NY		DRILLERS NAME: Ernesto		AECOM REP.: SW
WATER LEVELS		DESIGNATION OF DRILL RIG: Geoprobe 66 DT		
DATE	TIME / DEPTH	SIZE AND TYPE OF EQUIPMENT:		
		REFERENCE ELEVATION:	DEPTH OF BOREHOLE: 30 ft	
		THICKNESS OF OVERBURDEN:	DISPOSITION OF BOREHOLE: grouted	
LABORATORY ANALYSES: VOCs, methanotrophs				

Depth (ft)	Sample Number & Time	Rec. (feet)	PID Readings (ppm)	SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES
1	S-1 940	3.5	1.4	Asphalt/gravel Dark brown f-c SAND, little silt, little fine gravel, dry, no odor
2				
3				
4			0.0	Light brown f^{+}-c SAND, little silt, little fine gravel, dry, no odor
5				
6	S-2 945	4.0	0.0	Light brown f^{+}-c SAND, little silt, little fine gravel, dry, no odor
7				
8				
9				
10				
11	S-3 955	4.0	0.0	Light brown f^{+}-c SAND, little silt, little fine gravel, dry, no odor
12				
13				
14				
15				
16	S-4 1000	4.0	0.0	Light brown f^{+}-c SAND, little silt, little fine gravel, very moist @ 20', no odor
17				
18				
19				
20				**Collect sample SMS-16 (19-20)**

AECOM

DIRECT PUSH BORING LOG

Boring No.: SMS-16

PROJECT: SMS Instruments

PROJECT No.: 60135736

Depth (ft)	Sample Number & Time	Rec. (feet)	PID Readings (ppm)	SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES
20				
21	S-5 1010	4.0	266	Gray f^{+}-c SAND, little silt, little fine gravel, wet, strong petroleum odor
22				
23				
24				**Collect sample SMS-16 (23.5-24.5)**
25	S-6 1020	3.0	0.0	Light brown f^{+}-c SAND, little silt, little fine gravel, wet, no odor
26				
27				
28				
29				
30				**Collect sample SMS-16 (29-30)**
31				Bottom of boring, no refusal
42				
33				
34				
35				
36				
37				
38				
39				
40				

AECOM

DIRECT PUSH BORING LOG

Boring No.: SMS-16B

PROJECT: SMS Instruments (1-52-026)				PAGE 1 OF 2
PROJECT No.: 60135736		CONTRACTOR: LAWES		DATE: 3-2-11
LOCATION: Deer Park, NY		DRILLERS NAME: Ernesto		AECOM REP.: SW
WATER LEVELS		DESIGNATION OF DRILL RIG: Geoprobe 66 DT		
DATE / TIME / DEPTH		SIZE AND TYPE OF EQUIPMENT:		
		REFERENCE ELEVATION:	DEPTH OF BOREHOLE: 30 ft	
		THICKNESS OF OVERBURDEN:	DISPOSITION OF BOREHOLE: grouted	

LABORATORY ANALYSES: VOCs, methanotrophs

Depth (ft)	Sample Number & Time	Rec. (feet)	PID Readings (ppm)	SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES
0				Asphalt/gravel
1			0.0	Dark brown f-c SAND, little silt, little fine gravel, dry, no odor
2	S-1 835	3.0		
3				
4			0.0	Light brown f^{+}-c SAND, little silt, little fine gravel, dry, no odor
5				
6				
7	S-2 840	3.5	0.0	Light brown f^{+}-c SAND, little silt, little fine gravel, dry, no odor
8				
9				
10				
11				
12	S-3 850	4.0	0.0	Light brown f^{+}-c SAND, little silt, little fine gravel, dry, no odor
13				
14				
15				
16				
17	S-4 900	3.5	0.0	Light brown f^{+}-c SAND, little silt, little fine gravel, very moist @ 20', no odor
18				
19				
20				**Collect sample SMS-16B (19-20)**

AECOM

DIRECT PUSH BORING LOG

Boring No.: SMS-16B

PROJECT: SMS Instruments

PROJECT No.: 60135736

Depth (ft)	Sample Number & Time	Rec. (feet)	PID Readings (ppm)	SAMPLE DESCRIPTION, REMARKS, AND STRATUM CHANGES
20				
21				
22	S-5 1010	4.0	312	Gray/dark gray f^{+}-c SAND, little silt, little fine gravel, wet, strong petroleum odor
23				
24				**Collect sample SMS-16B (23.5-24.5)**
25				
26			110	Same as above
27	S-6 1020	4.0	0.0	Light brown f^{+}-c SAND, little fine gravel, trace silt, wet, no odor
28				
29				
30				**Collect sample SMS-16B (29-30)**
31				Bottom of boring, no refusal
42				
33				
34				
35				
36				
37				
38				
39				
40				

Appendix C

Laboratory Data Package – Soils

Appendix D

Microbial Insights Data Package

Appendix E

Data Validation Report - Soils

Appendix F

NYSDEC Monitoring Well Field Inspection Logs - February 2011

Appendix G

Groundwater Field Sampling Forms – March 2011 Sampling Event

Appendix H

Laboratory Data Package – Groundwater

Appendix I

Data Validation Report – Groundwater

Appendix J

Building Survey Forms

Appendix K

Summa Canister Sampling Sheets

Appendix L

Laboratory Data Package – Air

Appendix M

NYSDOH Matrices and Table 3.1

Appendix N

Data Validation - Air

These pages were not reproduced for this copy. They are included in the CD at the end of the report.