V00181

FINAL SITE REMEDIATION REPORT

2614-2620 UNIVERSITY AVENUE
BRONX, NEW YORK

Prepared for:
The Jewish Home and Hospital
New York, New York

Project No.: JHH0201

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1.0 INTRODUCTION

This report summarizes the on-site remedial activities conducted under the December 1998 Remedial Action Work Plan (RAWP) and documents the most recent soil excavation and groundwater remediation conducted as per the approved Supplemental Remedial Action Work Plan (SRAWP) dated August 2003. The RAWP was approved by New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH) in December 1998 and the SRAWP was approved by the NYSDEC and NYSDOH in August 2003. The RAWP document called for the excavation and removal of the three underground storage tanks and the PCE- and BTEX-contaminated soils. The RAWP called for the installation of a Soil Vapor Extraction (SVE) System to address residual concentrations of BTEX in soil and groundwater monitoring to assess the effectiveness of these remedial actions. The SRAWP called for the removal of additional soils, the removal of groundwater, and the application of oxygen release compound (ORC). P. W. Grosser Consulting, Inc. (PWGC) was selected by JHH to implement the RAWP and SRAWP.

2.0 SITE REMEDIAL HISTORY

2.1 Site Preparation for RAWP

Demolition of site buildings began on May 22, 2000 and was completed by mid-June 2000. On July 17 and 18, 2000, in accordance with the RAWP, PWGC conducted an additional subsurface investigation to determine if contamination was present under the former synagogue and in other areas that were inaccessible prior to building demolition. The investigation consisted of drilling ten soil borings (NW-1 through NW-10) and collecting soil samples continuously from grade to bedrock. One sample from each boring was submitted for laboratory analysis for volatile organic compounds (VOCs) by EPA Method 8260. In addition, monitoring wells were installed in soil borings NW-1 and NW-5 where groundwater was encountered. Analytical results for the soil samples collected were compared to the Recommended Soil Cleanup Objectives (RSCOs) listed in NYSDEC TAGM 4046. Results indicated that detected compounds were significantly below their respective RSCOs and did not suggest the presence of any additional contaminant sources.

JHH was required by the terms of the RAWP to install a dewatering trench in the basement of the former dry cleaner located at 2628 University Avenue. The installation work was performed on September 6 and 7, 2000 by Land, Air, Water Environmental Services (LAWES) of Center Moriches, New York and overseen by a PWGC environmental scientist.

As per the RAWP, PWGC collected groundwater samples on September 19, 2000, from the six available on- and off-site monitoring wells (DC-1, NW-1, NW-5, MW-2, MW-3, and PS-15) to serve as a baseline for evaluating the effectiveness of the remedial activities to be conducted at the site. Based on these analytical results, it appeared that PCE in groundwater was not migrating and was being co-metabolized in the presence of BTEX compounds from the release from the former USTs.

The investigation, trench installation and groundwater sampling are summarized in the Source Removal Remediation Report (Volumes 1 and 2) dated March 2001.

2.2 Remedial Measures under the RAWP

The remedial measures conducted under the RAWP included (a) the removal of the underground storage tanks (USTs); (b) the removal of the associated gasoline-contaminated soil (four soil "hot-spots" where BTEX constituents exceeded the RSCOs); (c) the removal of impacted soil from one well-defined PCE "hot-spot" which exceeded the RSCO; (d) the installation of a Soil Vapor Extraction (SVE) System to address any residual contamination; and (e) groundwater monitoring to assess the effectiveness of these remedial actions. JHH retained Clean Venture/Cycle Chem (CVCC) of Elizabeth, New Jersey to perform the UST and soil removal in accordance with the December 1998 RAWP.

2.2.1 October 2000 Source Removal

A review of the historic site information indicated that there were three 550-gallon gasoline USTs located under the western end of the 2614 University Avenue property. The USTs were reportedly abandoned in-place (cleaned and filled with sand) in 1994. However, during the 2000 excavation, only two 550-gallon USTs were discovered. Both USTs were encased in a concrete vault. Note that the third UST was encountered and removed during the 2003 excavation work.

On September 20, 21, 22 and 25, 2000 and October 12, 2000, CVCC performed the excavation of the identified soil "hot-spots"(approximately 150 tons) specified in the RAWP and a significant volume of additional soil (450 tons), as requested by JHH. The additional soil was removed to expedite the remediation and to enhance the effectiveness of the proposed SVE system. The USTs and contaminated soil were removed and properly disposed of off-site by a licensed waste removal company under the oversight of PWGC.

Following the excavation and removal of the approximately 600 tons of soil, PWGC collected thirteen endpoint soil samples from the sidewalls of the excavation for confirmatory laboratory analysis. Analytical results for the endpoint samples indicated that none of the applicable RSCOs were exceeded. The excavation and removal of the abandoned USTs and areas of significantly impacted soil at 2614 University Avenue removed the majority of gasoline contamination and the high concentrations of dry cleaning chemicals at the site.

The October 2000 excavation and tank removal work is presented in the Source Removal Remediation Report (Volumes 1 and 2) dated March 2001.

2.2.2 Soil Vapor Extraction (SVE) System

Following the source removal and related investigations, the SVE system was installed to remove residual soil and groundwater contamination (especially when groundwater levels were low). The SVE system was designed in four separate zones to encompass the footprints of the proposed building and parking lot.

Installation of the SVE system began in July 2001 with operation commencing on August 27, 2001. The SVE system was operated continuously for two years, except for brief periods of maintenance and repair. Air samples were collected on a periodic basis to determine SVE influent levels and emissions. Samples collected during the first three months indicated BTEX and PCE were being recovered and treated. However, there was only one detection after that time (which was not unexpected considering the significant amount of contaminated, unsaturated zone soil that was removed).

In accordance with the RAWP, soil samples were to be collected in the vicinity of the former USTs and analyzed to evaluate the effectiveness of the SVE system operation with the soil data to be used as a guideline for system shut-down. However, because soils in the area of SVE operation (the majority of the site) were excavated and removed, soil sampling is no longer appropriate for use in

determining the effectiveness of the system. Therefore, based on air sampling (influent/effluent) data, the SVE system was proven effective in removing and treating residual unsaturated zone soil contamination. The SVE system is no longer necessary due to the fact that the SVE system acheived its goals on-site and to facilitate the soil excavation activities.

2.3 Semi-annual Groundwater Monitoring

The semi-annual groundwater monitoring program as described in the December 1998 RAWP was implemented in June 2001. The purpose of this monitoring was to confirm the effectiveness of the soil excavation work. Seven monitoring wells were to be sampled, including four on the property adjacent to the south (Orchard Mews), which is hydrologically downgradient of the site. These semi-annual groundwater monitoring sampling events were conducted on January 2002, June 2002, November 2002 (in conjunction with the supplemental soil and groundwater investigation), and July 2003 and are summarized on Table 5. The semi-annual groundwater monitoring data reflect an overall downward tend in contamination throughout the site, consistent with the implementation of the RAWP.

2.4 Soil-Gas Sampling

In October 2001, the State requested that soil gas samples be collected to confirm that no vapors were leaving the site and migrating on to the neighboring property to the south. There was a potential concern because groundwater samples from two wells, PS-11 and PS-12, located just south of the property line and hydrologically downgradient of the site, continued to show high concentrations of BTEX and dry cleaning constituents. The second and third rounds of semi-annual groundwater monitoring (January 2002 and June 2002) indicated a downward trend in concentrations from samples collected from PS-11 and PS-12; however, the reduction was slower than anticipated.

JHH installed six subsurface gas-monitoring points on downgradient neighboring property in accordance with NYSDOH specifications. The first round of soil gas sampling was conducted on May 1, 2002 and indicated detections of toluene in five of the six sampling points with no other

compounds detected. These results were surprising since toluene is not the major on-site soil or groundwater contaminant.

2.5 Supplemental Groundwater, Soil and Soil-Gas Investigation

At a project meeting with NYSDEC and NYSDOH in August 2002, it was agreed that some contaminated soil might be present in saturated zone soils (between groundwater and bedrock) that was contributing to the groundwater contamination in the vicinity of PS-11 and PS-12. Due to structural concerns, the previous excavations were stopped short of the property line and did not remove all the soil below groundwater adjacent to the property line. To address this issue, a site technical meeting was held in September 2002 with NYSDEC and NYSDOH to develop a draft Supplemental Work Plan.

The Supplemental Work Plan was approved and implemented in October 2002. Soil borings were drilled to collect soil samples at different depths and small diameter monitoring wells were installed in each boring. In November 2002, the six soil gas monitoring points were sampled a second time and a complete round of water level measurements and well sampling was also conducted. The results were presented to NYSDEC and NYSDOH in a draft Supplemental Site Investigation (SSI) report dated December 2002. It was concluded that a zone of contaminated soil was present between the former tank bed and wells PS-11 and PS-12 and that these soils were an ongoing source of groundwater contamination. PWGC was instructed by JHH to develop a remediation plan to address this zone of soil contamination.

The results of the second round of soil-gas monitoring conducted in November 2002 indicated that toluene was not detected, but that PCE and breakdown products were detected in three (A-1, A-5 and A-6) of the six soil gas points. The State expressed concern regarding the inconsistent soil gas data and in response, JHH offered to re-sample two of the three points (A-5 and A-6) that indicated the most recent detections. These two points were re-sampled by PWGC in March 2003, and there

were no detections of any volatile organic compounds (detection limits varied between 0.030 and 0.059 mg/m^3).

2.6 Development of Supplemental RAWP

Initially, a multi-phase extraction (MPX) system was proposed to remove contaminants between the former tank bed and the property line because it was believed that excavation of saturated zone soils would be too costly due to structural concerns. However, JHH recognized that excavation was the only remedial option that could meet the HUD deadline. Therefore, JHH proposed to excavate the contaminated soil layer.

With the assistance of two structural engineering firms retained by JHH, PWGC developed a Supplemental Remedial Action Work Plan (SRAWP) to complement the December 1998 RAWP. The SRAWP would involve excavation of contaminated saturated zone soil, dewatering, and adding the oxygen release compound (ORC) to the excavation prior to backfilling. At a meeting held on June 30, 2003, NYSDEC agreed with the SRAWP concept, pending NYSDOH requirements and the submittal of a formal plan for approval. NYSDEC agreed to close the 1996 spill file for the site after the implementation of the SRAWP, provided that engineering and institutional controls requested by NYSDOH and NYSDEC are implemented on-site and that off-site groundwater would continue to be addressed under the signed Voluntary Cleanup Agreement (VCA).

The SRAWP for soil excavation was approved by NYSDEC and NYSDOH on August 4, 2003. A bid specifications package was prepared by PWGC and sent to qualified remediation contractors on August 11, 2003. The zone of contaminated saturated zone soil was to be excavated and disposed of at an appropriate off-site facility. Bids were received in early September 2003, and Brookside Environmental Inc. of Baldwin, New York (Brookside) was selected to perform the work.

3.0 2003 SUPPLEMENTAL REMEDIAL ACTION

Work under the 2003 SRAWP began on October 15 and was completed on November 4, 2003. During the excavation work the SVE system was shut off, decommissioned and completely dismantled. Brookside also removed the SVE equipment and the equipment shed from the site.

The proposed area of excavation consisted of five contiguous zones located between the former underground storage tank vault and the southern property boundary. Excavation depths were based on the depth to bedrock. The excavation zones and their corresponding depths are shown on Figure 2. Photographs of the work are provided in Appendix A. Work was conducted in accordance with the Health and Safety Plan and Quality Assurance Plan incorporated into the December 1998 RAWP.

3.1 Additional UST

Historic site information and the presence of fill ports indicated that there were three 550-gallon gasoline USTs located in the western portion of the property. The tanks were reportedly abandoned in place in 1994. During the October 2000 soil excavation only two tanks were encountered in one concrete vault. However, the third tank was discovered in its own concrete vault during the soil excavation work. The tank was discovered closer to the University Avenue sidewalk than the other two. This area was not accessible during the October 2000 removal efforts due to the presence of a rubble berm, installed to support the building walls and adjacent sidewalk following the building demolition. The tank had been abandoned, identical to the two USTs previously removed in 2000. Brookside removed the top of the vault to allow access and confirmed that the tank was filled with a mixture of sand and water. Water in the tank (with a slight petroleum odor) was sampled and pumped into a tank truck for disposal. The sample was submitted to Chemtech Laboratories, Mountainside, New Jersey for petroleum fingerprint analysis by EPA Method 8015 to confirm the tank contents. Analytical results indicated that the liquid contained weathered gasoline constituents.

The tank was removed from the excavation and appeared to be in good condition with no evidence of holes and/or corrosion. Brookside cut the tank open and removed the sand which was stored in the contaminated soil stockpile pending proper disposal. Water in the excavation was pumped into a tank truck. After the tank was cleaned it was loaded onto a truck for off-site disposal.

3.2 Soil Management

Based on soil samples collected during the SSI and because the majority of the proposed excavation area was previously excavated to groundwater and backfilled with clean material, three to five feet of overlying soils was believed to be "clean" (with VOC concentrations below NYSDEC Recommended Soil Cleanup Objective (RSCOs)). These materials were excavated, segregated and temporarily stockpiled on the site for re-use. Stockpiled soil was placed on and covered with polyethylene sheeting. Backfill material placed on the site following the previous soil excavation work was previously tested and met the NYSDEC's RSCOs; however, contact with VOC-contaminated media (i.e. groundwater) may have caused the backfill material to become contaminated. One sample of excavated/stockpiled soil was collected for analysis. The sample was submitted to Chemtech Laboratories of Mountainside, New Jersey for analysis of VOCs by EPA Method 8021 (STARS List) and SVOCs by EPA Method 8270 (STARS). Analytical results for the soil sample indicated that several SVOCs were detected at estimated concentrations, but within STARS re-use guidelines. No VOCs were detected. Analytical results for the stockpile sample are summarized on Tables 3 and 4 and the laboratory report is included in Appendix D.

Excavated contaminated soils were stockpiled on site (on top of and covered with polyethylene sheeting) pending receipt of disposal analysis and disposal facility approval, and then transported off-site for proper disposal. Brookside Environmental was responsible for collecting and analyzing excavated soils, as necessary to obtain approval from the selected disposal facility.

Analytical results for the waste disposal samples collected by Brookside indicated that the soils excavated and stockpiled at the site could be disposed of as non-hazardous waste. On October 23

through November 4, 2003, Brookside loaded the stockpiled soils into trucks for transport to the disposal facility. Seventy truck loads of soil were transported by Middlesex Materials to the Mount Hope Recycling facility (EPA ID. No. NJD101241537) in Wharton, New Jersey for recycling/disposal. Copies of the waste disposal analytical data and the non-hazardous waste manifests are included in Appendix B.

3.3 Shoring and Bracing Plan

Due to the depth of the proposed excavations and the close proximity of adjacent structures (apartment building, sidewalk, etc.), JHH retained two structural engineering firms to prepare a shoring and bracing plan for the excavation work. The plan involved excavation within shoring boxes. The boxes were twelve feet long, eight feet wide and eight feet deep.

3.4 Removal of Additional Soil beyond the Scope of the SRAWP

The proposed excavation as shown in the Supplemental RAWP was completed as planned. Approximately 1,000 tons of affected soil was removed with an additional 180 tons from the tank excavation to the west. However, petroleum-stained soil was noted on *parts* of the eastern and northern walls of the excavation. PWGC had Brookside excavate test pits to determine the extent of the affected soil in both directions. Based on these data, the JHH made the decision to remove approximately 340 additional tons of affected soil to the east and north. The total amount of soil removed was 1519.24 tons. The locations of endpoint samples and the horizontal extent of the excavation area are shown on Figure 2.

3.5 Removal and Disposal of Groundwater

Groundwater beneath the site occurs at a depth of approximately six feet below grade in the tight silt and clay. Because the proposed excavation extended to bedrock and below groundwater in most areas, dewatering of the excavation was necessary to facilitate the excavation of deep soils. Because a shoring box system was installed close to bedrock around the perimeter of each of the excavation zones, groundwater infiltration to the excavation was minimized. Groundwater that was present or

infiltrated the excavation area was removed from the excavation by pumping it directly into a tank truck for transportation to an appropriate off-site disposal facility. This removal of groundwater – which may be contaminated – is expected to accelerate cleanup of the site. A total of 31,468 gallons of groundwater were removed during the course of the excavation work. The groundwater was transported from the site by Terrace Transportation for disposal as petroleum contaminated water at the Clean Water of New York, Inc. Facility in Staten Island, New York (EPA ID. No. NYR000080549). Copies of the liquid waste manifests are included in Appendix B. No analyses of this water were conducted by Brookside or PWGC.

3.6 Air Monitoring

In accordance with Section 5.0 of the RAWP, PWGC implemented a community air monitoring plan for organic vapors, as outlined in the NYSDOH's Generic Community Air Monitoring Plan, to provide protection for the surrounding, specifically the downwind, community (i.e. off-site receptors including residences, businesses and on-site workers not directly involved with the subject work activities) and to confirm that the work activities do not spread contamination off-site through the air.

To establish ambient air background concentrations, air was monitored at four locations along the site perimeter prior to the initiation of remedial activities, as designated in the RAWP. These four monitoring points as well as two additional locations immediately downwind of the exclusion zone were monitored continuously in series during site work and readings recorded in the site log book at least once per hour. Air monitoring was conducted for VOCs and particulates. VOCs were monitored using a Hnu Model DI-102 photoionization detector (PID), equipped with an 11.7 eV lamp capable of detecting the petroleum constituents and chlorinated VOCs. Particulates were monitored using a MiniRam Model PDM-3 aerosol monitor with a detection limit of .001 mg/m^3. Monitoring equipment was calibrated and maintained in accordance with the manufacturer's specifications. Equipment was zeroed and checked for accuracy daily. The PID was also checked against the calibrant gas periodically (minimum of twice daily) to document the extent of instrument drift.

The specific guidelines for actions to be taken based on perimeter air monitoring are listed below:

OVA/PID readings less than 5.0 ppm over background - continue work.
OVA/PID readings greater than 5.0 ppm over background - stop work and implement vapor release contingency plan until readings return to acceptable levels.

MiniRam readings less than 100 ug/m^3 over background - continue work.
MiniRam readings between 100 ug/m^3 and 150 ug/m^3 over background - implement dust suppression.

MiniRam readings greater than 150 ug/m^3 over background - stop work, and continue to implement dust suppression; resume work when readings are below 150 ug/m^3.

The vapor release contingency plan identified in the RAWP stated that site work was to be suspended if air monitoring at the site perimeter shows air contaminants above acceptable concentrations (see above). Off-site readings were taken within 20 feet of the nearest residential or commercial property. No readings above background were recorded. Air monitoring data are provided on Table 1.

3.7 Oxygen Release Compound (ORC)

Because of the benefits of using oxygen releasing compounds to enhance the remediation of petroleum constituents, this technology was incorporated into the proposed remedial design. Following excavation of each soil zone, ORC was spread over the floor of the excavation to address dissolved contamination and accelerate groundwater remediation in the vicinity of PS-11 and PS-12. Consistent with previous investigations, groundwater was not encountered above bedrock in some areas of the excavation. The manufacturer (Regenesis) provided software that incorporated excavation dimensions and the SSI groundwater analytical data to calculate the amount of ORC to be used. Approximately 1,100 pounds of ORC were applied directly to groundwater, providing an

ORC application thickness of one-quarter inch in each of the excavation zones that did contain groundwater.

3.8 Backfilling of Excavation

Following collection of the endpoint samples, each excavation zone was backfilled with approved fill material that was tested by Brookside using Environmental Testing Laboratories (ETL) of Farmingdale, New York (NYSDOH Cert #10969). Testing requirements included TCLP VOCs Method 8260, SVOCs Method 8270C, and herbicides/pesticides by Methods 8151 and 8081 and there were no detections of any compounds. TCLP metals were not detected except for barium and silver at low concentrations. Other waste characterization analyses were run and all analytical results are given in Appendix C.

Backfill was compacted to a depth of six inches below the top of the surrounding pavement. Fill material analytical results and fill receipts are included in Appendix C.

3.9 Post-Excavation Soil Sampling

PWGC collected fifteen endpoint soil samples (with three trip blanks) from the sidewalls of the excavation for confirmatory laboratory analysis following the soil excavation. No samples were collected from the floor of the excavation, as soil excavation was extended to bedrock in all areas. Endpoint sample locations are shown on Figure 2, results are summarized on Table 2 and the laboratory reports are provided in Appendix D.

Sampling was conducted in accordance with the procedures specified in the Sampling and Analysis Protocol (Attachment A) and the Data Collection - Quality Assurance Project Plan (Attachment B) of the December 1998 Remedial Action Work Plan (summarized in the August 2003 Supplemental RAWP). The endpoint samples were analyzed by Chemtech Laboratories of Mountainside, New Jersey (NYSDOH Cert# 11376) for VOCS by EPA Method 8260 with Category B deliverables.

One sample, PX-16, was broken in the laboratory, however, this sample was noted by the PWGC geologist as visually uncontaminated and is located in the area where extra soil was removed and bedrock is shallow. In the first quarter 2004, a soil boring will be drilled at this location and a soil sample collected for analysis at a similar depth. PX-4 could not be collected because the former garage foundation wall extended to bedrock. No compounds were detected above the RSCOs in 12 of the 14 samples. The two samples that show constituents each above the RSCOs (PX-2 and PX-3) are on the property line in the southwestern portion of the site. Both samples indicated xylenes above the RSCOs. These samples may not be true endpoints because they were collected directly on the JHH side of the former parking garage foundation wall which straddles the property line and appears to extend to bedrock in that area of the site.

4.0 SUMMARY

In accordance with the December 1998 RAWP and the August 2003 Supplemental RAWP, over 2,100 tons of petroleum and PCE-affected soil were removed from the site. Almost 1,000 tons of this soil was not included in the scope of the two remedial work plans but was removed as a precautionary measure. The three previously abandoned underground gasoline tanks were also removed. In addition, the SVE system operated continuously for two full years. These measures effectively and significantly reduced the vertical and horizontal extent of contaminated soil at the site.

On-site groundwater was also remediated by these measures, as a significant volume of saturated zone (below groundwater) soil was removed and the SVE system was effective when groundwater levels were low. In addition, over 33,000 gallons of groundwater were pumped and removed from the site, and 1,100 pounds of ORC were placed directly into groundwater. The groundwater monitoring program is designed to confirm that this remediation will also reduce off-site groundwater contamination. Soil gas samples will also be collected from the six off-site subsurface monitoring points to establish a consistent post-remediation database.

TABLES

THE JEWISH HOME AND HOSPITAL FOR AGED
2614-2620 UNIVERSITY AVENUE
BRONX, NEW YORK

TABLE 1

SUMMARY OF AIR MONITORING RESULTS

DATE	Time	AIR MONITORING LOCATION											
		A-1		A-2		A-3		A-4		A-5		A-6	
		VOCs	Dust	VOCs	Dust	VOCs	Dust	VOCs	Dust	VOCs	Dust	VOCs	Dust
10/15/03	7:45	0.0	18	0.0	9	0.0	100	0.0	108	0.0	88	0.0	19
	13:00	0.0	0	0.0	10	0.0	86	0.0	0	0.0	20	0.0	10
	13:15	0.0	15	0.0	63	0.0	46	0.0	15	0.0	72	0.0	15
	13:30	0.0	14	0.0	52	0.0	59	0.0	32	0.0	16	0.0	0
	13:45	2.0	40	0.0	30	0.0	30	3.0	40	1.0	43	1.0	62
	14:00	1.0	110	0.0	40	1.0	80	2.0	8	1.0	42	0.0	19
	14:15	0.0	40	0.0	35	1.0	10	1.0	126	1.0	56	0.0	137
	14:30	0.0	3	0.0	108	2.0	50	2.0	20	1.0	17	0.0	42
	14:45	1.0	50	0.0	72	2.0	243	1.0	15	0.0	19	0.0	37
	15:00	1.0	31	1.0	56	2.0	59	1.0	14	0.0	152	1.0	209
	15:15	0.0	42	0.0	12	1.0	86	0.0	57	0.0	38	0.0	156
10/16/03	7:15	0.0	20	0.0	35	1.0	15	2.0	16	0.0	8	0.0	42
	9:45	0.0	10	0.0	0	1.0	12	1.0	11	0.0	0	0.0	0
	10:00	0.0	0	0.0	0	2.0	3	2.0	4	0.0	0	0.0	0
	10:15	0.0	0	0.0	3	1.0	45	2.0	10	0.0	0	0.0	10
	10:30	0.0	5	0.0	0	2.0	30	0.0	0	0.0	0	0.0	0
	10:45	0.0	0	0.0	0	3.0	12	4.0	0	2.0	8	0.0	0
	11:00	0.0	0	0.0	0	3.0	15	4.0	0	1.0	10	0.0	0
	11:15	0.0	17	0.0	0	0.0	6	0.0	0	0.0	0	0.0	0
	11:30	0.0	8	0.0	0	0.0	4	0.0	0	0.0	0	0.0	0
	11:45	0.0	0	0.0	7	0.0	7	0.0	0	0.0	0	0.0	0
	13:35	0.0	5	0.0	5	0.0	0	0.0	13	0.0	20	0.0	30
	13:50	0.0	30	0.0	15	0.0	15	0.0	30	0.0	24	0.0	0
	14:05	0.0	3	0.0	3	0.4	15	0.4	9	0.0	8	0.0	6
	14:20	0.0	7	0.0	5	0.4	10	0.0	8	0.0	3	0.0	5
	14:35	0.0	15	0.0	25	0.0	30	0.0	10	0.0	15	0.0	10
	14:50	0.0	0	0.0	0	0.0	30	0.0	70	0.0	50	0.0	30
	15:05	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
10/17/03	8:15	0.7	10	0.4	20	1.7	20	1.0	1	2.9	0	1.4	3
	8:30	1.0	10	1.0	100	0.7	2	0.7	10	0.7	0	1.0	0
	8:45	1.3	50	1.0	48	1.3	11	1.0	10	2.2	0	1.0	0
	9:00	1.0	2	0.7	33	1.0	10	1.0	12	1.3	0	1.0	2
	9:15	1.3	8	1.0	15	1.0	11	0.7	12	0.7	20	1.0	18
	9:45	0.7	7	1.6	33	0.0	11	0.4	3	0.4	19	0.7	17
	10:15	0.2	5	0.2	20	0.0	1	0.0	1	0.0	3	0.0	0
	10:30	0.0	5	0.2	50	0.0	10	0.0	10	0.0	20	0.0	6
	10:45	0.0	4	0.4	40	0.0	8	0.4	20	0.0	20	0.0	2
	11:00	0.0	7	0.2	40	0.0	11	0.2	15	0.0	10	0.0	7
	12:10	0.3	0	0.3	0	0.8	0	0.1	0	0.1	0	0.0	0
	12:25	0.8	0	0.3	0	0.0	0	0.3	0	0.0	0	0.0	0
	12:40	0.3	0	0.6	30	0.6	0	0.1	0	0.0	0	0.0	0
	12:55	0.6	0	1.0	20	0.8	0	0.1	0	0.3	30	0.3	0
	13:10	0.3	0	0.1	0	0.3	4	0.3	7	0.3	10	0.0	0
	13:25	0.0	0	0.0	30	0.1	5	0.1	5	0.1	0	0.0	0
	13:40	0.1	0	0.0	0	0.0	7	0.0	0	0.0	0	0.0	0
	13:55	0.0	0	0.1	12	0.0	0	0.0	15	0.0	5	0.1	0
	14:10	0.1	0	0.3	20	0.0	0	0.1	10	0.1	10	0.1	0

THE JEWISH HOME AND HOSPITAL FOR AGED
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BRONX, NEW YORK

TABLE 1

SUMMARY OF AIR MONITORING RESULTS

DATE	Time	AIR MONITORING LOCATION											
		A-1		A-2		A-3		A-4		A-5		A-6	
		VOCs	Dust	VOCs	Dust	VOCs	Dust	VOCs	Dust	VOCs	Dust	VOCs	Dust
10/20/03	7:30	0.0	10	0.0	0	0.0	5	0.0	7	0.0	15	0.0	9
	7:45	0.0	10	0.4	4	0.7	0	0.0	0	0.0	2	0.0	7
	8:00	0.0	4	0.0	12	0.0	19	0.0	4	0.0	0	0.0	8
	8:15	0.0	0	0.0	0	0.2	31	0.0	16	0.0	3	0.0	6
	8:30	0.0	12	0.4	17	0.3	16	0.0	2	0.0	3	0.0	11
	8:45	0.0	6	11.0	10	0.0	21	0.0	8	0.0	4	0.0	9
	9:00	0.0	12	0.2	15	0.0	10	0.0	9	0.0	12	0.0	12
	9:15	0.0	5	0.0	8	0.0	0	0.0	5	0.0	3	0.0	8
	9:30	0.0	15	0.0	10	0.0	0	0.0	0	0.0	7	0.0	7
	9:45	0.0	10	2.0	12	0.1	0	0.0	2	0.0	16	0.0	7
	10:00	0.0	20	0.0	14	0.0	10	0.0	5	0.0	92	0.0	3
	10:15	0.0	17	0.0	1	0.0	50	0.0	14	0.0	34	0.0	1
	10:30	0.0	0	0.2	12	0.0	36	0.0	14	0.0	12	0.0	2
	10:45	0.0	26	0.1	14	0.0	51	0.1	42	0.0	2	0.0	5
	11:00	0.0	32	0.0	8	1.2	41	0.0	32	0.0	0	0.0	6
	11:15	0.0	12	15.0	0	0.0	34	0.0	2	0.0	0	0.0	10
	11:30	0.0	32	0.2	43	0.0	17	0.0	11	0.0	0	2.0	3
	11:45	0.0	26	0.0	37	0.0	27	0.0	14	0.0	2	0.0	2
	12:00	0.0	10	0.0	11	0.0	8	0.0	14	0.0	2	0.0	3
	12:15	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
	12:45	0.0	12	0.0	13	0.0	8	0.0	3	0.0	4	0.0	1
	13:00	0.0	2	0.0	4	0.0	0	0.0	3	0.0	2	0.0	1
	13:15	0.0	6	0.0	12	0.0	32	0.0	15	0.0	17	0.0	3
	13:30	0.0	5	0.0	16	0.0	53	0.0	45	0.0	30	0.0	57
	13:45	0.0	5	2.0	53	1.3	42	1.1	36	1.0	42	0.0	31
	14:00	0.0	13	0.2	12	0.4	52	0.5	43	2.0	14	0.0	0
	14:15	0.0	15	0.0	35	0.0	14	0.0	16	0.0	12	0.0	42
	14:30	0.0	10	0.0	0	0.0	13	0.0	12	0.0	29	0.0	12
	14:45	0.0	10	0.0	9	0.0	15	0.0	12	0.0	4	0.0	6
	15:00	0.0	3	0.0	5	0.0	15	0.0	14	0.0	25	0.0	6
10/21/03	7:25	0.1	0	0.1	0	0.1	0	0.1	0	0.0	30	0.1	0
	7:40	0.1	0	0.1	0	0.0	0	0.1	0	0.0	0	0.0	0
	7:55	0.1	10	0.1	10	0.0	0	0.0	1	0.0	0	0.1	0
	8:10	0.1	50	0.0	0	0.0	0	0.0	0	0.0	0	0.0	30
	8:25	0.1	30	0.1	5	0.1	0	0.1	0	0.1	0	0.1	30
	8:40	0.1	90	0.1	45	0.0	0	0.1	0	0.1	0	0.0	80
	8:55	0.1	80	0.1	40	0.1	0	0.1	0	0.0	0	0.0	70
	9:10	0.4	90	0.1	45	0.0	0	0.1	0	0.1	10	0.1	80
	9:45	0.1	90	0.1	22	0.0	0	0.1	0	0.0	8	0.1	80
	10:00	0.1	96	0.1	19	0.1	0	0.1	0	0.0	20	0.1	57
	10:15	0.1	26	0.1	0	0.1	2	0.1	0	0.1	11	0.1	95
	10:30	0.1	45	0.1	25	0.1	0	0.1	0	0.1	12	0.1	86
	10:45	0.1	13	0.1	54	0.1	0	0.0	0	0.0	7	0.1	0
	11:00	0.1	10	0.1	20	0.0	0	0.1	11	0.1	0	0.1	0
	11:15	0.1	0	0.1	0	0.0	0	0.1	1	0.0	0	0.1	0
	11:30	0.1	0	0.1	20	0.0	0	0.1	0	0.0	0	0.1	0
	11:45	0.0	0	0.1	11	0.0	0	0.0	0	0.1	0	0.1	0
	12:00	0.0	0	0.1	8	0.0	0	0.0	0	0.1	0	0.0	15
	13:00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
	13:15	0.0	0	0.0	5	0.0	5	0.0	0	0.0	22	0.0	0
	13:30	0.0	0	0.1	12	0.0	0	0.0	0	0.0	10	0.0	0
	13:45	0.0	10	0.0	33	0.0	5	0.0	10	0.0	5	0.0	0
	14:00	0.0	13	0.0	5	0.0	7	0.0	80	0.0	17	0.0	0
	14:15	0.0	11	0.0	12	0.0	0	0.0	13	0.0	10	0.0	0
	14:30	0.0	27	0.0	45	0.0	12	0.0	28	0.0	13	0.0	0
	14:45	0.0	0	0.0	26	0.0	1	0.3	24	0.0	16	0.0	0

THE JEWISH HOME AND HOSPITAL FOR AGED
2614-2620 UNIVERSITY AVENUE
BRONX, NEW YORK

TABLE 1

SUMMARY OF AIR MONITORING RESULTS

DATE	Time	AIR MONITORING LOCATION											
		A-1		A-2		A-3		A-4		A-5		A-6	
		VOCs	Dust	VOCs	Dust	VOCs	Dust	VOCs	Dust	VOCs	Dust	VOCs	Dust
10/22/03	7:30	0.0	0	0.0	0	0.0	0	1.1	0	0.7	0	0.0	0
	7:45	0.0	10	0.0	0	0.0	0	0.1	0	0.0	0	0.0	0
	8:00	0.0	11	0.0	21	0.0	0	0.3	0	0.0	11	0.0	0
	8:15	0.0	0	0.0	0	0.0	0	0.0	10	0.0	0	0.0	0
	8:30	0.0	0	0.0	20	0.1	0	0.0	0	0.0	0	0.0	0
	8:45	0.1	0	0.0	3	0.0	0	0.0	0	0.1	0	0.0	0
	9:00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
	9:15	0.1	0	33.0	0	0.0	0	0.1	0	0.0	0	0.0	0
	9:30	0.1	0	0.0	59	0.0	0	0.0	0	0.0	0	0.0	0
	9:45	0.1	13	0.0	27	0.0	0	0.1	11	0.0	0	0.0	0
	10:00	0.0	3	0.0	11	0.0	0	0.0	7	0.0	10	0.0	0
	10:15	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
	10:30	0.1	0	0.0	22	0.0	0	0.0	0	0.0	0	0.0	0
	10:45	0.1	0	0.0	20	0.0	0	0.0	0	0.0	0	0.0	0
	11:00	0.0	0	0.0	30	0.0	0	0.0	0	0.0	0	0.0	0
	11:15	0.0	0	0.0	26	0.0	0	0.0	0	0.0	0	0.0	0
	11:30	0.1	10	0.0	33	0.0	0	0.0	0	0.0	0	0.0	0
	11:45	0.0	0	0.0	30	0.0	0	0.0	0	0.0	0	0.0	0
	12:30	0.0	0	0.0	50	0.0	20	0.0	33	0.0	11	0.0	0
	12:45	0.0	0	0.0	20	0.0	0	0.0	0	0.0	0	0.0	0
	13:00	0.0	0	0.0	11	0.0	0	0.0	0	0.0	0	0.0	0
	13:15	0.0	0	0.0	20	0.0	0	0.0	0	0.0	0	0.0	0
	13:30	0.0	0	0.0	20	0.0	0	0.0	23	0.0	11	0.0	0
	13:45	0.0	0	0.0	23	0.0	10	0.0	17	0.0	3	0.0	0
	14:00	0.0	7	0.0	33	0.0	11	0.0	7	0.0	0	0.0	0
10/23/03	7:20	0.0	0	0.0	0	0.0	0	0.4	15	0.0	10	0.0	0
	7:30	0.0	0	0.0	0	0.0	15	0.0	12	0.0	16	0.0	0
	7:45	0.0	12	0.0	32	0.0	14	0.2	15	0.0	9	0.0	0
	8:00	0.0	21	0.0	12	0.0	14	0.0	19	0.0	14	0.0	0
	8:15	0.0	12	0.0	11	0.0	6	0.0	32	0.0	14	0.0	2
	8:30	0.0	12	0.0	14	0.0	16	0.0	8	0.0	12	0.0	3
	8:45	0.0	10	0.0	14	0.0	22	0.0	10	0.0	6	0.0	14
	9:00	0.0	3	0.0	3	0.0	9	0.0	17	0.0	4	0.0	2
	9:15	0.0	4	0.0	14	0.0	51	0.0	36	0.0	12	0.0	0
	9:30	0.0	6	0.0	11	0.0	23	0.0	19	0.0	12	0.0	11
	9:45	0.0	8	0.0	6	0.0	4	0.0	10	0.0	11	0.0	4
	10:00	0.0	3	0.0	11	0.0	6	0.0	14	0.0	13	0.0	0
	10:15	0.0	14	0.0	25	1.0	43	1.0	16	0.0	32	0.0	10
	10:30	0.0	32	0.0	26	0.0	36	0.4	14	0.0	11	0.0	12
	10:45	0.0	14	1.3	56	1.2	32	1.1	59	0.0	14	0.0	3
	11:00	0.0	12	0.6	6	0.2	15	0.3	14	0.0	4	0.0	6
	11:15	0.0	10	0.4	5	0.1	27	0.1	24	0.0	3	0.0	5
	11:30	0.0	7	0.0	3	0.0	19	0.0	15	0.0	3	0.0	2
	11:45	0.0	8	0.0	14	0.0	30	0.0	12	0.0	14	0.0	15
	12:00	0.0	23	0.0	36	0.0	43	0.0	32	0.0	14	0.0	12
	12:15	0.0	36	0.0	29	0.0	43	0.0	27	0.0	14	0.0	56
	13:15	0.0	24	0.0	13	0.0	30	0.0	14	0.0	50	0.0	16
	13:30	0.0	30	0.0	24	0.0	16	0.0	43	0.0	66	0.0	14
	13:45	0.0	29	0.0	32	0.0	14	0.0	27	0.0	31	0.0	40
	14:00	0.0	20	0.0	36	0.0	47	0.0	51	0.0	43	0.0	48
	14:15	0.0	22	0.0	14	0.0	10	0.0	58	0.0	16	0.0	23
	14:30	0.0	13	0.0	29	0.0	56	0.0	12	0.0	50	0.0	32
	14:45	0.0	14	0.0	19	0.0	13	0.0	12	0.0	43	0.0	46

THE JEWISH HOME AND HOSPITAL FOR AGED
2614-2620 UNIVERSITY AVENUE
BRONX, NEW YORK

TABLE 1

SUMMARY OF AIR MONITORING RESULTS

DATE	Time	AIR MONITORING LOCATION											
		A-1		A-2		A-3		A-4		A-5		A-6	
		VOCs	Dust	VOCs	Dust	VOCs	Dust	VOCs	Dust	VOCs	Dust	VOCs	Dust
10/24/03	7:15	0.0	32	0.0	15	0.0	62	0.0	13	0.0	14	0.0	23
	7:30	0.0	12	0.0	14	0.0	26	0.0	13	0.0	29	0.0	32
	7:45	0.0	23	0.0	42	0.0	15	0.0	32	0.0	14	0.0	27
	8:00	0.0	14	0.0	33	0.0	19	0.0	47	0.0	18	0.0	36
	8:15	0.0	26	0.0	41	0.0	32	0.0	15	0.0	19	0.0	38
	8:30	0.0	31	0.0	14	0.0	60	0.0	39	0.0	23	0.0	42
	8:45	0.0	21	0.0	43	0.0	13	0.0	16	0.0	42	0.0	42
	9:00	0.0	16	0.0	29	0.0	14	0.0	31	0.0	18	0.0	36
	9:15	0.0	12	0.0	14	0.0	17	0.0	15	0.0	19	0.0	14
	9:30	0.0	47	0.0	22	0.0	36	0.0	0	0.0	12	0.0	16
	9:45	0.0	36	0.0	13	0.0	41	0.0	3	0.0	23	0.0	8
	10:00	0.0	12	0.0	14	0.0	23	0.0	15	0.0	8	0.0	19
	10:15	0.0	32	0.0	17	0.0	4	0.0	18	0.0	32	0.0	9
	10:30	0.0	14	0.0	16	0.0	27	0.0	19	0.0	8	0.0	10
	10:45	0.0	32	0.0	16	0.0	5	0.0	9	0.0	10	0.0	15
	11:00	0.0	3	0.0	57	0.0	18	0.0	12	0.0	59	0.0	18
	11:15	0.0	19	0.0	14	0.0	16	0.0	16	0.0	12	0.0	9
	11:30	0.0	72	0.0	14	0.0	31	0.0	39	0.0	18	0.0	3
	11:45	0.0	13	0.0	29	0.0	18	0.0	14	0.0	3	0.0	12
	12:00	0.0	16	0.0	14	0.0	27	0.0	8	0.0	15	0.0	42
	13:00	0.0	22	0.1	62	0.2	19	0.1	17	0.0	13	0.0	15
	13:15	0.0	33	0.0	14	0.0	29	0.0	40	0.0	16	0.0	29
	13:30	0.0	13	0.0	23	0.0	19	0.0	15	0.0	20	0.0	1
	13:45	0.0	25	0.0	36	0.0	19	0.0	34	0.0	18	0.0	67
	14:00	0.0	36	0.0	14	0.0	29	0.0	57	0.0	12	0.0	11
	14:15	0.0	14	0.0	30	0.0	15	0.0	29	0.0	18	0.0	6
	14:30	0.0	13	0.0	24	0.0	19	0.0	15	0.0	19	0.0	32
	14:45	0.0	15	0.0	50	0.0	18	0.0	16	0.0	12	0.0	15
	15:00	0.0	30	0.0	16	0.0	27	0.0	36	0.0	14	0.0	18
10/27/03	7:15	0.0	10	0.0	12	0.0	15	0.0	20	0.0	13	0.0	14
	7:30	0.0	12	0.0	12	0.0	9	0.0	6	0.0	12	0.0	13
	7:45	0.0	16	0.0	13	0.0	14	0.0	14	0.0	20	0.0	18
	8:00	0.0	8	0.0	9	0.0	3	0.0	8	0.0	6	0.0	2
	8:15	0.0	9	0.0	4	0.0	0	0.0	4	0.0	2	0.0	3
	8:30	0.0	15	0.0	14	0.0	3	0.0	9	0.0	6	0.0	2
	8:45	0.0	20	0.0	30	0.0	15	0.0	16	0.0	3	0.0	6
	9:00	0.0	2	0.0	0	0.0	8	0.0	12	0.0	2	0.0	1
	9:15	0.0	16	0.0	14	0.0	13	0.0	10	0.0	6	0.0	2
	9:30	0.0	2	0.0	10	0.0	8	0.0	14	0.0	13	0.0	9
	9:45	0.0	3	0.0	11	0.0	10	0.0	13	0.0	6	0.0	8
	10:00	0.0	6	0.0	6	0.0	12	0.0	9	0.0	7	0.0	9
	10:15	0.0	14	0.0	9	0.0	14	0.0	5	0.0	4	0.0	2
	10:30	0.0	10	0.0	8	0.0	11	0.0	3	0.0	5	0.0	1
	10:45	0.0	16	0.0	12	0.0	13	0.0	8	0.0	5	0.0	4
	11:00	0.0	3	0.0	4	0.0	6	0.0	8	0.0	3	0.0	14
	11:15	0.0	4	0.0	13	0.0	5	0.0	10	0.0	6	0.0	2
	11:30	0.0	6	0.0	12	0.0	6	0.0	11	0.0	9	0.0	1
	11:45	0.0	9	0.0	19	0.0	9	0.0	9	0.0	3	0.0	4
	12:00	0.0	4	0.0	3	0.0	5	0.0	3	0.0	9	0.0	2
	13:00	0.0	6	0.0	2	0.0	3	0.0	4	0.0	6	0.0	18
	13:15	0.0	4	0.0	3	0.0	5	0.0	6	0.0	10	0.0	2

THE JEWISH HOME AND HOSPITAL FOR AGED
2614-2620 UNIVERSITY AVENUE
BRONX, NEW YORK

TABLE 1

SUMMARY OF AIR MONITORING RESULTS

DATE	Time	AIR MONITORING LOCATION											
		A-1		A-2		A-3		A-4		A-5		A-6	
		VOCs	Dust	VOCs	Dust	VOCs	Dust	VOCs	Dust	VOCs	Dust	VOCs	Dust
10/28/03	7:30	0.0	6	0.0	10	0.0	12	0.0	11	0.0	9	0.0	18
	7:45	0.0	12	0.0	8	0.0	11	0.0	8	0.0	6	0.0	2
	8:00	0.0	7	0.0	0	0.0	12	0.0	15	0.0	16	0.0	23
	8:15	0.0	14	0.0	22	0.0	19	0.0	6	0.0	14	0.0	18
	8:30	0.0	16	0.0	29	0.0	19	0.0	18	0.0	13	0.0	12
	8:45	0.0	6	0.0	23	0.0	9	0.0	18	0.0	30	0.0	14
	9:00	0.0	12	0.0	14	0.0	8	0.0	6	0.0	8	0.0	4
	9:15	0.0	6	0.0	8	0.0	3	0.0	1	0.0	0	0.0	9
	9:30	0.0	16	0.0	9	0.0	10	0.0	21	0.0	13	0.0	0
	9:45	0.0	0	0.0	3	0.0	18	0.0	16	0.0	16	0.0	12
	10:00	0.0	14	0.0	9	0.0	3	0.0	2	0.0	0	0.0	6
	10:15	0.0	10	0.0	10	0.0	14	0.0	3	0.0	4	0.0	10
	10:30	0.0	6	0.0	0	0.0	6	0.0	2	0.0	9	0.0	6
	10:45	0.0	4	0.0	9	0.0	27	0.0	2	0.0	9	0.0	26
	11:00	0.0	3	0.0	15	0.0	10	0.0	4	0.0	15	0.0	3
	11:15	0.0	4	0.0	11	0.0	9	0.0	6	0.0	11	0.0	13
	11:30	0.0	9	0.0	12	0.0	8	0.0	9	0.0	14	0.0	2
	11:45	0.0	6	0.0	14	0.0	17	0.0	10	0.0	26	0.0	14
	12:00	0.0	8	0.0	9	0.0	8	0.0	0	0.0	13	0.0	16
	13:00	0.0	6	0.0	14	0.0	8	0.0	4	0.0	3	0.0	9
	13:15	0.0	15	0.0	26	0.0	19	0.0	4	0.0	5	0.0	12
	13:30	0.0	15	0.0	42	0.0	13	0.0	12	0.0	15	0.0	16
	13:45	0.0	53	0.0	42	0.0	69	0.0	12	0.0	35	0.0	19
	14:00	0.0	14	0.0	36	0.0	33	0.0	56	0.0	14	0.0	45
	14:15	0.0	3	0.0	10	0.0	15	0.0	9	0.0	42	0.0	13
	14:30	0.0	9	0.0	12	0.0	43	0.0	19	0.0	36	0.0	23
	14:45	0.0	50	0.0	42	0.0	18	0.0	36	0.0	14	0.0	29
10/29/03	7:30	0.0	0	0.0	0	0.0	5	0.0	11	0.0	1	0.0	3
	7:45	0.0	6	0.0	12	0.0	4	0.0	0	0.0	9	0.0	9
	8:00	0.0	9	0.0	13	0.0	9	0.0	2	0.0	3	0.0	10
	8:15	0.0	15	0.0	2	0.0	3	0.0	5	0.0	5	0.0	14
	8:30	0.0	6	0.0	9	0.0	15	0.0	21	0.0	13	0.0	12
	8:45	0.0	22	0.0	19	0.0	23	0.0	111	0.0	15	0.0	6
	9:00	0.0	16	0.0	0	0.0	3	0.0	2	0.0	15	0.0	25
	9:15	0.0	6	0.0	6	0.0	9	0.0	1	0.0	10	0.0	3
	9:30	0.0	4	0.0	0	0.0	15	0.0	12	0.0	9	0.0	6
	9:45	0.0	22	0.0	15	0.0	16	0.0	31	0.0	14	0.0	23
	10:00	0.0	15	0.0	17	0.0	12	0.0	9	0.0	6	0.0	17
	10:15	0.0	0	0.0	9	0.0	12	0.0	61	0.0	20	0.0	10
	10:30	0.0	10	0.0	6	0.0	42	0.0	18	0.0	34	0.0	11
	10:45	0.0	15	0.2	13	0.2	13	0.0	19	0.0	37	0.0	13
	11:00	0.0	16	0.2	4	0.4	64	0.5	35	0.0	29	0.0	6
	11:15	0.0	42	0.4	15	0.3	57	0.1	14	0.0	16	0.0	4
	11:30	0.0	39	0.3	29	0.2	18	0.1	9	0.0	42	0.0	16
	11:45	0.0	16	0.3	18	0.4	32	0.3	81	0.0	15	0.0	37
	12:00	0.0	14	0.2	2	0.1	14	0.3	29	0.0	0	0.0	9
	12:15	0.0	89	0.2	18	0.1	63	0.3	67	0.0	30	0.0	6
	12:30	0.2	13	0.1	16	0.3	56	0.2	15	0.0	42	0.0	1
	12:45	0.0	15	0.2	43	0.1	29	0.2	28	0.0	12	0.0	13
	13:00	0.0	17	0.0	14	0.0	15	0.0	82	0.0	67	0.0	19
	13:15	0.0	14	0.0	19	0.0	29	0.0	14	0.0	12	0.0	13
	13:30	0.0	30	0.0	23	0.0	19	0.0	63	0.0	18	0.0	9

THE JEWISH HOME AND HOSPITAL FOR AGED
2614-2620 UNIVERSITY AVENUE
BRONX, NEW YORK

TABLE 1

SUMMARY OF AIR MONITORING RESULTS

DATE	Time	AIR MONITORING LOCATION											
		A-1		A-2		A-3		A-4		A-5		A-6	
		VOCs	Dust	VOCs	Dust	VOCs	Dust	VOCs	Dust	VOCs	Dust	VOCs	Dust
10/30/03	7:30	0.0	0	0.0	2	0.0	5	0.0	11	0.0	1	0.0	3
	7:45	0.0	6	0.0	12	0.0	4	0.0	0	0.0	9	0.0	4
	8:00	0.0	9	0.0	13	0.0	9	0.0	2	0.0	3	0.0	10
	8:15	0.0	15	0.0	6	0.0	3	0.0	5	0.0	5	0.0	14
	8:30	0.0	6	0.0	9	0.0	15	0.0	21	0.0	13	0.0	12
	8:45	0.0	22	0.0	19	0.0	23	0.0	14	0.0	19	0.0	6
	9:00	0.0	14	0.0	6	0.0	2	0.0	2	0.0	15	0.0	25
	9:15	0.0	6	0.0	6	0.0	9	0.0	1	0.0	10	0.0	3
	9:30	0.0	4	0.0	6	0.0	11	0.0	12	0.0	9	0.0	6
	9:45	0.0	22	0.0	15	0.0	16	0.0	31	0.0	14	0.0	23
	10:00	0.0	15	0.0	17	0.0	12	0.0	9	0.0	6	0.0	17
	10:15	0.0	6	0.0	9	0.0	12	0.0	61	0.0	26	0.0	10
	10:30	0.0	10	0.0	6	0.0	42	0.0	18	0.0	34	0.0	11
	10:45	0.0	15	0.0	13	0.2	13	0.0	19	0.0	32	0.0	19
	11:00	0.0	16	0.2	4	0.4	64	0.5	33	0.0	29	0.0	9
	11:15	0.0	42	0.4	15	0.3	59	0.1	14	0.0	16	0.0	4
	11:30	0.0	39	0.3	29	0.2	18	0.1	9	0.0	47	0.0	16
	11:45	0.0	16	0.3	18	0.4	32	0.3	81	0.0	15	0.0	37
	12:00	0.0	14	0.2	2	0.1	14	0.3	29	0.0	21	0.0	9
	12:15	0.2	29	0.2	18	0.1	63	0.3	67	0.0	30	0.0	6
	12:30	0.0	13	0.1	16	0.3	56	0.2	15	0.0	42	0.0	1
	12:45	0.0	15	0.2	43	0.1	29	0.2	28	0.0	12	0.0	13
	13:00	0.0	17	0.0	14	0.0	15	0.0	81	0.0	67	0.0	19
	13:15	0.0	14	0.0	19	0.0	29	0.0	14	0.0	12	0.0	13
	13:30	0.0	30	0.0	23	0.0	19	0.0	63	0.0	18	0.0	9
10/31/03	7:30	0.0	6	0.0	12	0.0	19	0.0	13	0.0	26	0.0	13
	7:45	0.0	8	0.0	3	0.0	14	0.0	6	0.0	26	0.0	13
	8:00	0.0	36	0.0	22	0.0	27	0.0	19	0.0	6	0.0	14
	8:15	0.0	12	0.0	36	0.0	29	0.0	52	0.0	4	0.0	9
	8:30	0.0	36	0.0	53	0.0	18	0.0	16	0.0	5	0.0	6
	8:45	0.0	14	0.0	29	0.0	36	0.0	23	0.0	12	0.0	19
	9:00	0.0	29	0.0	14	0.0	12	0.0	27	0.0	8	0.0	12
	9:15	0.0	15	0.0	17	0.0	22	0.0	18	0.0	6	0.0	15
	9:30	0.0	8	0.0	10	0.0	5	0.0	15	0.0	14	2.0	1
	9:45	0.0	6	0.0	12	0.0	23	0.0	9	0.0	23	0.0	22
	10:00	0.0	11	0.0	73	0.0	19	0.0	27	0.0	26	0.0	31
	10:15	0.0	27	0.0	29	0.0	43	0.0	37	0.0	16	0.0	29
	10:30	0.0	16	0.0	9	0.0	12	0.0	3	0.0	13	0.0	29
	10:45	0.0	14	0.0	17	0.0	6	0.0	15	0.0	36	0.0	42
	11:00	0.0	16	0.0	29	0.0	15	0.0	11	0.0	27	0.0	4
	11:15	0.0	23	0.0	36	0.0	29	0.0	19	0.0	18	0.0	9
	11:30	0.0	14	0.0	47	0.0	10	0.0	43	0.0	21	0.0	12
	11:45	0.0	16	0.0	36	0.0	29	0.0	18	0.0	14	0.0	3
	12:45	0.0	23	0.0	42	0.0	13	0.0	22	0.0	17	0.0	9
	13:00	0.0	14	0.0	19	0.0	8	0.0	28	0.0	12	0.0	18
	13:15	0.2	26	0.2	6	0.2	14	0.2	19	0.2	13	0.2	29
	13:30	0.0	16	0.0	13	0.0	33	0.0	39	0.0	14	0.0	21
	13:45	0.0	12	0.0	29	0.0	26	0.0	21	0.0	12	0.0	18

THE JEWISH HOME AND HOSPITAL FOR AGED
2614-2620 UNIVERSITY AVENUE
BRONX, NEW YORK

TABLE 1

SUMMARY OF AIR MONITORING RESULTS

DATE	Time	AIR MONITORING LOCATION											
		A-1		A-2		A-3		A-4		A-5		A-6	
		VOCs	Dust	VOCs	Dust	VOCs	Dust	VOCs	Dust	VOCs	Dust	VOCs	Dust
11/3/03	7:00	0.0	7	0.0	21	0.0	10	0.0	8	0.0	0	0.0	0
	7:15	0.0	10	0.0	30	0.0	8	0.0	3	0.0	0	0.0	0
	7:30	0.0	8	0.0	27	0.0	11	0.0	2	0.0	0	0.0	0
	10:15	0.0	6	0.0	38	0.0	13	0.0	0	0.0	0	0.0	0
	10:30	0.0	4	0.0	24	0.0	2	0.0	10	0.0	0	0.0	0
	12:30	0.0	2	0.0	17	0.0	6	0.0	0	0.0	0	0.0	0
11/4/03	7:00	0.0	0	0.0	30	0.0	12	0.0	0	0.0	0	0.0	30
	7:15	0.0	0	0.0	33	0.0	6	0.0	0	0.0	0	0.0	0
	7:30	0.0	0	0.0	27	0.0	7	0.0	0	0.0	0	0.0	0
	7:45	0.0	0	0.0	17	0.0	2	0.0	0	0.0	0	0.0	0
	10:00	0.1	64	0.0	37	0.0	41	0.0	40	0.0	20	0.0	40
	10:15	0.0	0	0.0	33	0.0	11	0.0	24	0.0	26	0.0	30
	10:45	0.0	0	0.0	31	0.0	10	0.0	0	0.0	0	0.0	0
	12:30	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
	12:45	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0

Notes:
VOCs units are parts per million (ppm).
Dust units are mg/m^3
Detection Limits- VOCs .005 ppm; Dust .001 mg/m3

THE JEWISH HOME AND HOSPITAL FOR AGED
2614-2620 UNIVERSITY AVENUE
BRONX, NEW YORK

TABLE 2

ENDPOINT SOIL ANALYTICAL RESULTS VOLATILE ORGANIC COMPOUNDS

Compound	NYSDEC Standard (1)	PX-1	PX-2	PX-3	PX-5	PX-6	PX-7	PX-7 DUP	PX-8	PX-9	PX-12	PX-13	PX-14	PX-15	PX-17	TB-1	TB-2	TB-3
Chloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	200	ND	ND	ND	ND	ND	31	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	100	ND	ND	ND	ND	28 J	ND	ND	ND	ND	39	42	ND	ND	9.9 J	ND	ND	ND
Carbon Disulfide	2,700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	50	ND	ND	ND	6.1 B	10 B	19 B	5.2 JB	15 B	29 B	ND	ND	ND	15 B	8.2 B	1.2	ND	1.7 B
trans-1,2-Dichloroethene	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.4 J	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	200	ND	ND	ND	ND	ND	45	29	ND	ND	ND	ND	ND	ND	1.4 J	ND	ND	ND
Chloroform	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	60	ND	ND	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1,500	ND	ND	140	ND	ND	ND	ND	ND	ND	ND	ND	80	ND	ND	ND	ND	ND
t-1,3-Dichloropropene	240	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	240	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1,300	ND	ND	ND	6.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	5,500	ND	1,700	320	ND	ND	4.5 J	2.6 J	ND	ND	ND	1.9 J	200	ND	ND	ND	ND	ND
m&p-Xylenes	1,200	ND	**6,200**	**1,600**	ND	ND	12	7.8	ND	ND	ND	4.9 J	1,100	ND	ND	ND	ND	ND
o-Xylene	600	11	**1,200**	510	ND	ND	ND	ND	ND	ND	ND	1.6 J	580	ND	ND	ND	ND	ND
Styrene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
1 - NYSDEC TAGM Recommended Soil Cleanup Objectives, April 1995
* - Guidance Value
ND - Not detected.
J - Estimated concentration.
Bold text denotes RSCO Exceedance.
All units are ug/kg.

THE JEWISH HOME AND HOSPITAL FOR AGED
2614-2620 UNIVERSITY AVENUE
BRONX, NEW YORK

TABLE 2 (con't)

ENDPOINT SOIL ANALYTICAL RESULTS VOLATILE ORGANIC COMPOUNDS

Compound	NYSDEC Standard (1)	PX-1	PX-2	PX-3	PX-5	PX-6	PX-7	PX-7 DUP	PX-8	PX-9	PX-12	PX-13	PX-14	PX-15	PX-17	TB-1	TB-2	TB-3
2-Chloroethyl vinyl ether	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1400	ND	ND	ND	1.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	5500	ND	ND	ND	ND	2.8 J	ND	ND	ND	ND	ND	8.2 J	ND	ND	ND	ND	ND	ND
m/p-Xylene	1200 **	ND	ND	ND	ND	2.1 J	ND	ND	ND	ND	ND	35	ND	ND	ND	ND	ND	ND
o-Xylene	1200 **	ND	ND	ND	ND	31	ND	ND	ND	ND	ND	14 J	ND	ND	ND	ND	ND	ND
Styrene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	NS	ND	ND	ND	ND	23	ND	ND	ND	ND	2.5 J	14 J	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.3	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3400	ND	ND	ND	ND	22	ND	ND	ND	ND	ND	330	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	NS	ND	ND	ND	ND	3.5 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichloeobenzene	8500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	NS	ND	ND	ND	ND	5 J	ND	ND	ND	ND	5.7 J	94	ND	ND	ND	ND	ND	ND
1,2-Dichlorbenzene	7900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadine	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	NS	ND	ND	ND	ND	ND	ND	ND	1.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total TICs	NS	ND	22 J	28 J	37.5 J	101.5 J	ND	18 J	41.2 J	16 J	170 J	3440 J	22 J	33 J	ND	ND	ND	ND

Notes:
1 - NYSDEC TAGM Recommended Soil Cleanup Objectives, April 1995
** - Applies to the sum of the isomers.
ND - Not detected.
J - Estimated concentration.
Bold text denotes RSCO Exceedance.
All units are ug/kg.

THE JEWISH HOME AND HOSPITAL FOR AGED
2614-2620 UNIVERSITY AVENUE
BRONX, NEW YORK

TABLE 3

STOCKPILE ANALYTICAL RESULTS-VOLATILE COMPOUNDS

Compound	NYSDEC Groundwater Protection (1)	NYSDEC Human Health (1)	NYSDEC Nuisance Characteristics (1)	SP-1
MTBE	1000	NS	10,000	ND
Benzene	14	2.4×10^4	10,000	ND
Toluene	100	2×10^7	10,000	ND
Ethyl Benzene	100	8×10^6	10,000	ND
m + p Xylene	100	2×10^8	10,000	ND
o Xylene	100	2×10^8	10,000	ND
Isopropylbenzene	100	NS	10,000	ND
1,3,5-Trimethylbenzene	100	NS	10,000	ND
n-Propylbenzene	100	NS	10,000	ND
tert-Butylbenzene	100	NS	10,000	ND
1,2,4-Trimethylbenzene	100	NS	10,000	ND
sec-Butylbenzene	100	NS	10,000	ND
p-Isopropyltoluene	100	NS	10,000	ND
n-Butylbenzene	100	NS	10,000	ND
Naphtalene	200	3×10^5	10,000	ND

Notes:
1 - NYSDEC STARS Memo #1, August 1992
All units are ug/kg.

THE JEWISH HOME AND HOSPITAL FOR AGED
2614-2620 UNIVERSITY AVENUE
BRONX, NEW YORK

TABLE 4

STOCKPILE ANALYTICAL RESULTS-SEMIVOLATILE COMPOUNDS

Compound	NYSDEC Groundwater Protection (1)	NYSDEC Human Health (1)	NYSDEC Nuisance Characteristics (1)	SP-1
Naphthalene	200	3×10^5	10,000	ND
Acenaphthylene	NS	NS	10,000	ND
Acenaphthene	400	5×10^6	10,000	ND
Fluorene	1000	3×10^6	10,000	ND
Phenanthrene	1000	NS	10,000	54 J
Anthracene	1000	2×10^7	10,000	ND
Fluoranthene	1000	3×10^6	10,000	140 J
Pyrene	1000	2×10^6	10,000	150 J
Benzo(a)anthracene	0.04	220	10,000	70 J
Chrysene	0.04	NS	10,000	67 J
Benzo(b)fluoroanthene	0.04	220	10,000	60 J
Benzo(k)fluoroanthene	0.04	220	10,000	ND
Benzo(a)pyrene	0.04	61	10,000	ND
Indeno(1,2,3-cd)pyrene	0.04	NS	10,000	ND
Dibenzo(a,h)anthracene	1000	14	10,000	ND
Benzo(g,h,i)perylene	0.04	NS	10,000	ND

Notes:
1 - NYSDEC STARS Memo #1, August 1992
All units are ug/kg.

THE JEWISH HOME AND HOSPITAL FOR AGED
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TABLE 5
GROUNDWATER ANALYTICAL RESULTS VOLATILE ORGANIC COMPOUNDS

Compounds	NYSDEC Standard (1) ug/L	NW-1 7/28/03	NW-1 11/7/02	NW-1 5/15/02	NW-1 5/15/02	NW-1 5/15/02	NW-1 1/21/02	NW-1 6/21/01	NW-1 DUP 6/21/01	NW-1 9/19/00
Chloromethane	5	NS	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	NS	ND	ND	ND	ND	ND	ND	ND	16
Bromomethane	5	NS	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	NS	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50 *	NS	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NR	NS	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	NS	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	NS	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50 *	NS	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	NS	ND	ND	ND	ND	24	55	39	350 E
Chloroform	7	NS	13	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	NS	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	NS	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	NS	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	NS	ND	ND	ND	ND	12	19	14	280 E
1,2-Dichloropropane	1	NS	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50 *	NS	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	NR	NS	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	NS	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4**	NS	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4**	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5	NS	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50 *	NS	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	5	NS	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	NS	35	ND	ND	ND	85	110	88	880 E
Chlorobenzene	5	NS	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	5	NS	ND	ND	ND	ND	ND	ND	ND	35
m/p-Xylene	5	NS	ND	ND	ND	ND	ND	ND	ND	9.9
o-Xylene	5	NS	ND	ND	ND	ND	ND	ND	ND	4.7 J
Styrene	5	NS	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	50 *	NS	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	NS	ND	ND	ND	ND	ND	ND	ND	ND
Total TICs	NR	NS	ND	11.3 J	11.3 J	11.3 J	407 J	72 J	70 J	1,207 J

Notes:
1 - NYSDEC Class GA Groundwater Standards, June 1998
* - Guidance Value
** - Applies to the sum of the isomers.
ND - Not detected.
NA - Not applicable
D - Compound identified in an analysis at a secondary dilution factor.
E - Indicates that the analyte's concentration exceeds the calibrated range og the GC/MS instrument for that specific analysis.
J - Estimated concentration.
DL - Sample analyzed at a secondary dilution factor.
DUP - Blind Duplicate sample collected from NW-1 and identified to the lab as NW-30 on the chain-of-custody.
All units are ug/L.

THE JEWISH HOME AND HOSPITAL FOR AGED
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BRONX, NEW YORK

TABLE 5 (con't)
GROUNDWATER ANALYTICAL RESULTS VOLATILE ORGANIC COMPOUNDS

Compounds	NYSDEC Standard (1) ug/L	NW-5 7/28/03	NW-5 11/7/02	NW-5 DL 11/7/02	NW-5 5/15/02	NW-5 5/15/02	NW-5 5/15/02	NW-5 1/21/02	NW-5 DL 1/21/02	NW-5 6/21/01	NW-5 9/19/00
Chloromethane	5	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50 *	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NR	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	NS	ND	42 D	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50 *	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	NS	27	31 D	17	17	17	18	24 JD	12	71
Chloroform	7	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	NS	0.53 J	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	NS	26	27 D	10	10	10	18	22 JD	8.3	76
1,2-Dichloropropane	1	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50 *	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	NR	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4**	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4**	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50 *	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	5	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	NS	410 E	470 D	110	110	110	380 E	390 D	88	530 E
Chlorobenzene	5	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	5	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
m/p-Xylene	5	NS	1.7	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	5	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	50 *	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total TICs	NR	NS	ND	ND	ND	ND	ND	ND	ND	14 J	ND

Notes:
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** - Applies to the sum of the isomers.
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NA - Not applicable
D - Compound identified in an analysis at a secondary dilution factor.
E - Indicates that the analyte's concentration exceeds the calibrated range og the GC/MS instrument for that specific analysis.
J - Estimated concentration.
DL - Sample analyzed at a secondary dilution factor.
DUP - Blind Duplicate sample collected from NW-1 and identified to the lab as NW-30 on the chain-of-custody.
All units are ug/L.

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Table 5 (con't)
GROUNDWATER ANALYTICAL RESULTS VOLATILE ORGANIC COMPOUNDS

Compounds	NYSDEC Standard (1) ug/L	PS-11 7/28/03	PS-11 DL 7/28/03	PS-11 DL2 7/28/03	PS-11 11/7/02	PS-11 DL 11/7/02	PS-11 DL2 11/7/02	PS-11 5/15/02	PS-11 DL 5/15/02	PS-11 1/21/02	PS-11 DL 1/21/02
Chloromethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	340 E	600 D	690 D	84 E	360 D	370 D	50 J	ND	490 E	400 JD
Bromomethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	3	ND	ND	ND	ND	ND	ND	ND	3.2 J	ND
Acetone	50 *	ND	ND	ND	ND	ND	ND	68	ND	ND	ND
Carbon Disulfide	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND	110 BD	340 BD	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	27	ND	ND	ND	ND	ND	ND	ND	11	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50 *	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	1,600 E	6,800 ED	7,600 D	1,300 E	3,500 ED	3,700 D	2,200 E	2,100 D	2,600 E	5,000 D
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	370 E	1,300 D	1,600 D	340 E	880 D	950 D	430	410 JD	870 E	1,300 D
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	23	ND
1,2-Dichloropropane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50 *	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	510 E	810 D	1,000 D	290 E	540 D	560 D	300	280 JD	670 E	770 D
trans-1,3-Dichloropropene	0.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50 *	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	5.6	ND	ND	6.6	ND	ND	ND	ND	80	67 JD
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	5	760 E	2,900 ED	3,200 D	300 E	1,800 D	1,900 D	580	540 D	1,400 E	1,800 D
m/p-Xylene	5	790 E	6,400 ED	6,400 D	280 E	3,400 D	3,600 D	1100	1,000 D	1,300 E	3,000 D
o-Xylene	5	300 E	750 D	870 D	150 E	460 D	530 D	290	270 JD	580 E	650 D
Styrene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	50 *	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total TICs	NR	NA	NA	NA	ND	ND	ND	1,755 J	600 JD	2,640 J	2,810 J

Notes:
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* - Guidance Value
** - Applies to the sum of the isomers.
ND - Not detected.
NA - Not applicable
D - Compound identified in an analysis at a secondary dilution factor.
E - Indicates that the analyte's concentration exceeds the calibrated range og the GC/MS instrument for that specific analysis.
J - Estimated concentration.
DL - Sample analyzed at a secondary dilution factor.
DUP - Blind Duplicate sample collected from NW-1 and identified to the lab as NW-30 on the chain-of-custody.
All units are ug/L.

THE JEWISH HOME AND HOSPITAL FOR AGED
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BRONX, NEW YORK

TABLE 5 (con't)

GROUNDWATER ANALYTICAL RESULTS VOLATILE ORGANIC COMPOUNDS

Compounds	NYSDEC Standard (1) ug/L	PS-12 7/28/03	PS-12 DL 7/28/03	PS-12 DL2 7/28/03	PS-12 11/7/02	PS-12 5/15/02	PS-12 1/21/02	PS-12 6/21/01
Chloromethane	5	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	120 E	140 D	170 D	ND	7.4	49	8.9
Bromomethane	5	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	0.56	ND	ND	ND	ND	ND	ND
Acetone	50 *	ND	ND	ND	ND	6.4	ND	ND
Carbon Disulfide	NR	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	14 B	ND	ND	ND
trans-1,2-Dichloroethene	5	5.2	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50 *	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	720 E	1,400 ED	1,600 D	100	15	180	120
Chloroform	7	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND
Benzene	1	250 E	330 D	390 D	28	28	420	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	8.1 J	2.1 J
1,2-Dichloropropane	1	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50 *	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	NR	ND	ND	ND	ND	ND	ND	ND
Toluene	5	100 E	100 D	120 D	ND	3.1 J	46	ND
trans-1,3-Dichloropropene	0.4**	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4**	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50 *	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	20 J	20
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	5	240 E	260 D	300 D	22	12	190	ND
m/p-Xylene	5	64	67 D	81 JD	ND	ND	47	ND
o-Xylene	5	58 E	64 D	77 JD	ND	ND	30	ND
Styrene	5	ND	ND	ND	ND	ND	ND	ND
Bromoform	50 *	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND	ND
Total TICs	NR	NA	NA	NA	ND	110.4 J	1445 J	415 J

Notes:
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* - Guidance Value
** - Applies to the sum of the isomers.
ND - Not detected.
NA - Not applicable
D - Compound identified in an analysis at a secondary dilution factor.
E - Indicates that the analyte's concentration exceeds the calibrated range og the GC/MS instrument for that specific analysis.
J - Estimated concentration.
DL - Sample analyzed at a secondary dilution factor.
DUP - Blind Duplicate sample collected from NW-1 and identified to the lab as NW-30 on the chain-of-custody.
All units are ug/L.

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TABLE 5 (con't)

GROUNDWATER ANALYTICAL RESULTS VOLATILE ORGANIC COMPOUNDS

Compounds	NYSDEC Standard (1) ug/L	PS-15 7/28/03	PS-15 RE 7/28/03	PS-15 11/7/02	PS-15 5/15/02	PS-15 1/21/02	PS-15 6/21/01	PS-15 9/19/00
Chloromethane	5	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	35
Bromomethane	5	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND
Acetone	50 *	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NR	ND	ND	0.94 J	ND	3.7 J	ND	28
Methylene Chloride	5	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50 *	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	0.67 J	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	2.6	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND	ND
Benzene	1	5.1	5	19	ND	14	2.7 J	3.1 J
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50 *	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	NR	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	2.7 J	ND	ND
trans-1,3-Dichloropropene	0.4**	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4**	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50 *	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	5	9.8	7	39	ND	23	ND	ND
m/p-Xylene	5	3.2	2.1	14	ND	4.8 J	ND	ND
o-Xylene	5	2	1.3	7.5	ND	4.9 J	ND	ND
Styrene	5	ND	ND	ND	ND	ND	ND	ND
Bromoform	50 *	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND	ND
Total TICs	NR	NA	NA	ND	59	223 J	510 J	55.6 J

Notes:
1 - NYSDEC Class GA Groundwater Standards, June 1998
* - Guidance Value
** - Applies to the sum of the isomers.
ND - Not detected.
NA - Not applicable
D - Compound identified in an analysis at a secondary dilution factor.
E - Indicates that the analyte's concentration exceeds the calibrated range og the GC/MS instrument for that specific analysis.
J - Estimated concentration.
DL - Sample analyzed at a secondary dilution factor.
DUP - Blind Duplicate sample collected from NW-1 and identified to the lab as NW-30 on the chain-of-custody.
All units are ug/L.

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TABLE 5 (con't)

GROUNDWATER ANALYTICAL RESULTS VOLATILE ORGANIC COMPOUNDS

Compounds	NYSDEC Standard (1) ug/L	PS-16 7/28/03	PS-16 11/7/03	PS-16 DL 11/7/02	PS-16 5/15/02	PS-16 1/21/02	PS-16 6/21/01
Chloromethane	5	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	37	60 E	130 D	ND	44	ND
Bromomethane	5	ND	ND	ND	ND	ND	ND
Chloroethane	5	6.2	4.1	6.5 JD	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Acetone	50 *	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NR	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	1.6 J	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND
2-Butanone	50 *	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	40	130 E	180 D	40 J	120	ND
Chloroform	7	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND	ND
Benzene	1	2.8	7.1	9.3 JD	ND	15	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	2.6	ND	ND	3.7 J	ND
1,2-Dichloropropane	1	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50 *	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	NR	ND	ND	ND	ND	ND	ND
Toluene	5	ND	1.6	ND	ND	1.7 J	ND
trans-1,3-Dichloropropene	0.4**	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4**	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5	ND	ND	ND	ND	ND	ND
2-Hexanone	50 *	ND	ND	ND	ND	ND	ND
Dibromochloromethane	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	0.62 J	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND
Ethyl Benzene	5	ND	2.5	ND	ND	ND	ND
m/p-Xylene	5	ND	5.8	ND	ND	ND	ND
o-Xylene	5	ND	0.63 J	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND	ND	ND
Bromoform	50 *	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND
Total TICs	NR	NA	ND	ND	ND	455.6 J	18 J

Notes:

1 - NYSDEC Class GA Groundwater Standards, June 1998

* - Guidance Value

** - Applies to the sum of the isomers.

ND - Not detected.

NA - Not applicable

D - Compound identified in an analysis at a secondary dilution factor.

E - Indicates that the analyte's concentration exceeds the calibrated range og the GC/MS instrument for that specific analysis.

J - Estimated concentration.

DL - Sample analyzed at a secondary dilution factor.

DUP - Blind Duplicate sample collected from NW-1 and identified to the lab as NW-30 on the chain-of-custody.

All units are ug/L.

THE JEWISH HOME AND HOSPITAL FOR AGED
2614-2620 UNIVERSITY AVENUE
BRONX, NEW YORK

TABLE 5 (con't)

GROUNDWATER ANALYTICAL RESULTS VOLATILE ORGANIC COMPOUNDS

Compounds	NYSDEC Standard (1) ug/L	Field Blank 7/28/03	Field Blank 11/7/02	Field Blank 5/15/02	Field Blank 1/21/02	Field Blank 6/21/01
Chloromethane	5	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND
Acetone	50 *	ND	ND	ND	ND	ND
Carbon Disulfide	NR	ND	ND	ND	ND	ND
Methylene Chloride	5	ND	1.7 B	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND
2-Butanone	50 *	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND	ND
Bromodichloromethane	50 *	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	NR	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4**	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4**	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5	ND	ND	ND	ND	ND
2-Hexanone	50 *	ND	ND	ND	ND	ND
Dibromochloromethane	5	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND
Ethyl Benzene	5	ND	ND	ND	ND	ND
m/p-Xylene	5	ND	ND	ND	ND	ND
o-Xylene	5	ND	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND	ND
Bromoform	50 *	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND
Total TICs	NR	NA	ND	ND	ND	65 J

Notes:
1 - NYSDEC Class GA Groundwater Standards, June 1998
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J - Estimated concentration.
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All units are ug/L.

THE JEWISH HOME AND HOSPITAL FOR AGED
2614-2620 UNIVERSITY AVENUE
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TABLE 5 (con't)

GROUNDWATER ANALYTICAL RESULTS VOLATILE ORGANIC COMPOUNDS

Compounds	NYSDEC Standard (1) ug/L	Trip Blank 7/28/03	Trip Blank 11/7/02	Trip Blank 5/5/02	Trip Blank 1/21/02	Trip Blank 6/21/01
Chloromethane	5	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND
Acetone	50 *	ND	ND	ND	ND	ND
Carbon Disulfide	NR	ND	ND	ND	ND	ND
Methylene Chloride	5	ND	1.6 B	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND
2-Butanone	50 *	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND	ND
Bromodichloromethane	50 *	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	NR	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4**	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4**	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	5	ND	ND	ND	ND	ND
2-Hexanone	50 *	ND	ND	ND	ND	ND
Dibromochloromethane	5	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND
Ethyl Benzene	5	ND	ND	ND	ND	ND
m/p-Xylene	5	ND	ND	ND	ND	ND
o-Xylene	5	ND	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND	ND
Bromoform	50 *	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND
Total TICs	NR	NA	ND	ND	ND	99 J

Notes:

1 - NYSDEC Class GA Groundwater Standards, June 1998

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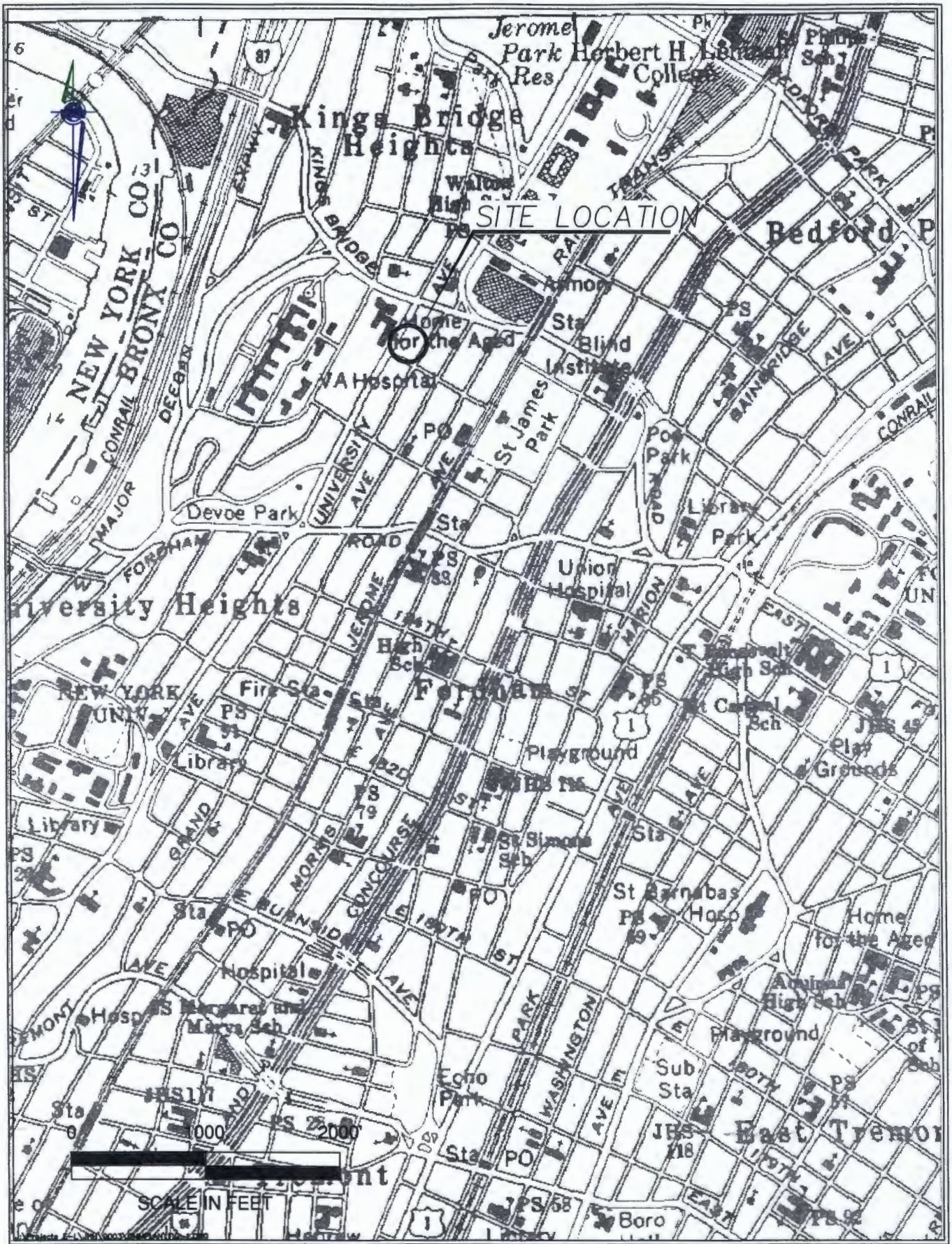
All units are ug/L.

FIGURES



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Prepared By	KT
Reviewed By	JMD
Drawn By	KT
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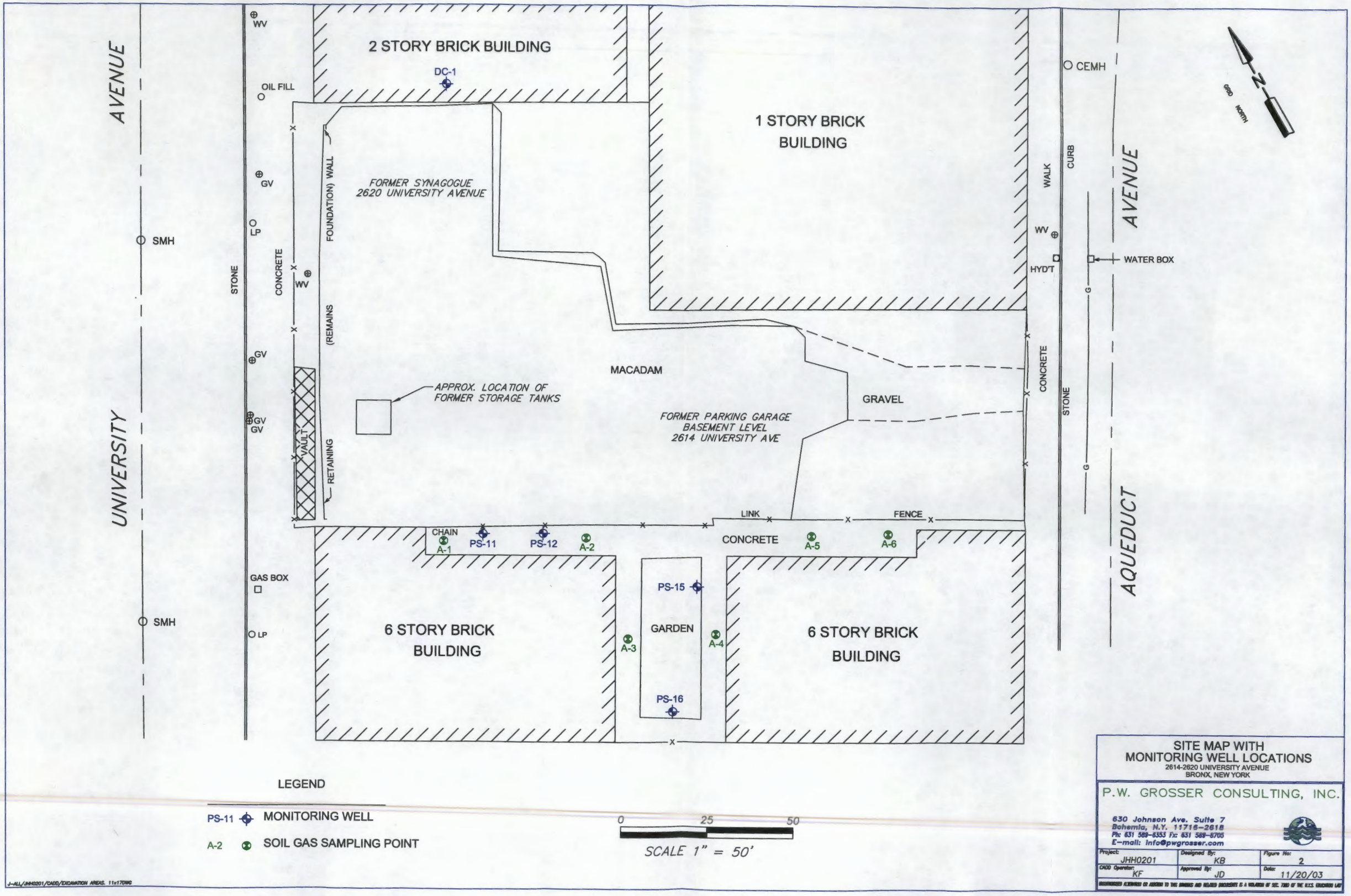
Date	2/11/02



LEGEND

PS-11 MONITORING WELL

A-2 SOIL GAS SAMPLING POINT

0 25 50

SCALE 1" = 50'

SITE MAP WITH MONITORING WELL LOCATIONS

2614-2620 UNIVERSITY AVENUE
BRONX, NEW YORK

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JHH0201	KB	2
CADD Operator: KF	Approved By: JD	Date: 11/20/03

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APPENDIX A

PROJECT PHOTOGRAPHS

Figure 1 – Excavation of the southwest corner of the site along the Orchard Mews building

Figure 2 – Soil excavated to bedrock in western portion of the excavation. A concrete encased 550 gallon tank was encountered.

Figure 3 – Concrete vault around the tank was removed to access the tank.

Figure 4 – Removal of soils along the south property line. Photo taken following the backfilling of the western portion of the excavation.

Figure 5 – ORC application within the excavation shown on Figure 3.

Figure 6 – Excavation to bedrock along the south property line.

Figure 7 – Excavation along the south property line. Impacted soil was noted at approximately eight feet below grade.

Figure 8 – Impacted soils encountered in the central portion of the excavation.

Figure 9 – Overnight groundwater would seep into the open excavation.

Figure 10 – ORC application within the excavation.

Figure 11 – View of the eastern excavation area with the central portion partially backfilled.

Figure 12 – View of the intended eastern end of the excavation prior to extending the excavation further eastward.

Figure 13 – Eastern portion of the excavation after it was backfilled.

Figure 14 – Central portion of the site backfilled.

Figure 15 – Excavation was extended to the north to remove impacted soils.

Figure 16 – View of the additional excavation to the north.

Figure 17 – During the excavation phase, the stockpile was covered each night.

Figure 18 – Soil was loaded out by dump truck for disposal.

Figure 19 – The SVE system was dismantled and removed from the site.