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**GROUNDWATER INTERIM REMEDIAL MEASURE
OPERABLE UNIT NO. 2
FULL-SCALE SYSTEM COMPLETION REPORT
GROUNDWATER CIRCULATION WELL SYSTEM**

**FORMER GENERAL INSTRUMENT CORPORATION SITE
HICKSVILLE, NEW YORK**

PREPARED

BY

ESC ENGINEERING OF NEW YORK, P.C.

OCTOBER 4, 2004

Contents

	Page
Acronym List	iii
Professional Engineer Certification	iv
1.0 Introduction	1
1.1 Site Description	2
1.2 Background Information	2
1.3 Summary of Site Hydrogeology and Constituents of Concern	4
1.3.1 Site Hydrogeology	4
1.3.2 Constituents of Concern	4
1.4 Purpose and Objectives of the IRM	5
2.0 Permitting and Site Access	7
2.1 Site Access	7
2.2 Permitting	7
3.0 UVB System Installation	9
3.1 Final UVB Well Placement and Construction	9
3.2 Site Preparation and Equipment Building	11
3.3 UVB System Equipment	12
3.3.1 Pumps and Packers	13
3.3.2 Air Strippers and Blowers	13
3.3.3 Iron Sequestration and Biological Growth Inhibitors	14
3.3.4 Vapor Treatment Equipment	14
3.3.5 Transfer Piping and Electrical Conduits	15
3.4 System Telemetry	16
4.0 System Startup and Optimization	18
4.1 Baseline Groundwater Sampling	18
4.2 Determination of Optimum Injection and Extraction Rates	20
4.3 VOC Removal Efficiency	23
4.4 Vapor Sampling Results	24
5.0 Evaluation of Air Emissions	26
5.1 Screening Level Analysis	27
5.2 Air Emissions Modeling	28
5.3 Air Emission Controls	29
6.0 System Operation and Maintenance and Reporting	30
6.1 Routine Operation and Maintenance	30
6.2 Performance Monitoring	30
6.3 Reporting	31

Contents
(continued)

	Page
7.0 References	32

List of Figures:

- Figure 1 – Site Location
- Figure 2 – UVB Well Locations and Current Plume Interpretation
- Figure 3 – UVB-2 Pumping Test Results – Extraction Only
- Figure 4 – UVB-2 Pumping Test Results – Upper Injection Only
- Figure 5 – UVB-2 Pumping Test Results – Lower Injection Only
- Figure 6 – UVB-3 Pumping Test Results – Extraction Only
- Figure 7 – UVB-3 Pumping Test Results – Upper Injection Only
- Figure 8 – UVB-3 Pumping Test Results – Lower Injection Only

List of Tables:

- Table 1 – Baseline Well and Groundwater Elevation Data – June 2004
- Table 2 – Baseline Groundwater Sampling Results
- Table 3 – Air Stripper VOC Removal Efficiency Sampling Results
- Table 4 – Historical Groundwater Monitoring and UVB Well Sampling Results
- Table 5 – System Startup Vapor Sampling Results
- Table 6 – Emissions Screening, AG-1, and ISCLT2 Air Modeling Input Data
- Table 7 – Ambient Air Quality Impacts Due to VOC Emissions – Groundwater IRM

List of Sheets:

- Sheet 1 – Title Sheet
- Sheet 2 – Full-Scale IRM System Layout (As-Built)
- Sheet 3 – UVB Well Construction and Site Work Details
- Sheet 4 – Equipment Building Layout
- Sheet 5 – Process and Instrumentation Diagram

List of Appendices:

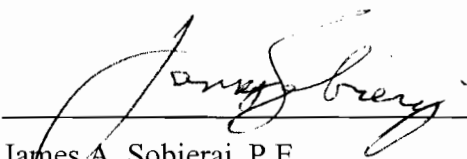
- Appendix A – Photographs
- Appendix B – Well Construction Diagrams
- Appendix C – Baseline Groundwater Sampling Laboratory Reports
- Appendix D – Pumping Test Data
- Appendix E – VOC Removal Efficiency Sampling Laboratory Reports
- Appendix F – Vapor Sampling Laboratory Analytical Reports
- Appendix G – VOC Emissions Modeling Results

Acronym List

AGC	Annual Guideline Concentration
bgs	below ground surface
BNL	Brookhaven National Labs
COC	constituent of concern
DCB	dichlorobenzene
DCE	dichloroethene
EPA	U.S. Environmental Protection Agency
GIC	General Instrument Corporation
gpm	gallons per minute
HDPE	high-density polyethylene
IRM	Interim Remedial Measure
lbs/day	pounds per day
lbs/hr	pounds per hour
lbs/yr	pounds per year
LIPA	Long Island Power Authority
µg/l	micrograms per liter
µg/m ³	micrograms per cubic meter
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
OU	Operable Unit
O&M	operations and maintenance
PCE	tetrachloroethene
PID	photoionization detector
PLC	programmable logic controller
psi	pounds per square inch
RI/FS	Remedial Investigation/Feasibility Study
scfm	standard cubic feet per minute
SGC	Short-Term Guideline Concentration
SVE	soil vapor extraction
TCE	trichloroethene
UVB	Unterdruck-Verdampfer-Brunnen
VFD	variable frequency drive
VGS	Vishay General Semiconductor
VOC	volatile organic compound
VTU	vapor treatment unit
wci	water column inches

Professional Engineer Certification

I certify that I am an engineer licensed in the State of New York who has received a baccalaureate and post-graduate degree in engineering and have sufficient training and experience in remediation, groundwater hydrology, and related fields, as demonstrated by state registration and completion of accredited university courses, that enable me to make sound professional judgements regarding engineering design. I further certify that this report, *Groundwater Interim Remedial Measure, Operable Unit No. 2, Full-Scale System Completion Report, Groundwater Circulation Well Technology*, dated October 4, 2004, was prepared under my direction.


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10/4/04
Date



1.0 Introduction

On behalf of Vishay General Semiconductor, LLC (VGS), ESC Engineering of New York, P.C., prepared this *Groundwater Interim Remedial Measure, Operable Unit No. 2, Full-Scale System Completion Report, Groundwater Circulation Well System*, for the former General Instrument Corporation (GIC) site located in Hicksville, New York. VGS, the corporate successor to GIC, is conducting all investigative and remedial work at the former GIC site in accordance with the Order on Consent (#W1-0236-88-07) signed by GIC on December 4, 1989, and the New York State Department of Environmental Conservation (NYSDEC) on January 16, 1990. The purpose of this report is to summarize construction activities and evaluate data collected during installation and startup of the full-scale Interim Remedial Measure (IRM) system. In addition, this report includes a schedule for performance monitoring and a description of operations and maintenance (O&M) activities planned for the equipment.

ESC Engineering of New York, P.C. completed the first phase of the IRM, a pilot test of Unterdruck-Verdampfer-Brunnen (UVB) groundwater circulation well technology, in 2003 to gather information on the stratigraphy and hydrogeology of the IRM location and to refine the design parameters for a full-scale system. A summary of the pilot test and a proposed conceptual design were provided to the NYSDEC in a report entitled *Groundwater Interim Remedial Measure, Operable Unit No. 2, Pilot Test Summary and Conceptual Full-Scale Design Report, Groundwater Circulation Well Technology*, dated September 19, 2003 (ESC Engineering 2003a). During the pilot test phase of the IRM, four monitoring wells and one UVB groundwater circulation well were installed. The UVB well operated for one month during a pilot test to provide the necessary data for full-scale design, and remained in operation while a full-scale system was being designed. Subsequent to the submission of the Pilot Test Summary and Conceptual Design Report, VGS and ESC Engineering met with NYSDEC in Albany, New York and subsequently at the site with Neptune Regional Transmission System (Neptune RTS™), New York State (NYS) Department of Parks & Recreation, NYSDEC, and NYS Department of Transportation and separately with Mr. Jerome Ackerman, to coordinate the full-scale design and installation and to negotiate long-term access agreements for the IRM locations.

Groundwater in the vicinity of the former GIC site has been affected by volatile organic compounds (VOCs), including trichloroethene (TCE) and associated degradation products, from

both onsite and upgradient sources. Source control actions have been implemented at the site but residual concentrations and offsite sources unrelated to GIC are known to exist. Sampling results from several previous groundwater investigations indicate that affected groundwater exists downgradient of the former GIC site property boundary.

This full-scale IRM consists of groundwater circulation wells to address the downgradient portion of the VOC plume emanating from the former GIC site and other upgradient sites. Groundwater circulation technology was selected following an evaluation of several potential remedial options. This technology was identified as the preferred strategy in part because of its success at other sites on Long Island in treating the full vertical and horizontal extent of VOC plumes. In addition, results of the pilot test indicate that circulation well technology will be effective at intercepting the VOC plume and removing VOC mass from the groundwater. A detailed design report entitled *Groundwater Interim Remedial Measure, Operable Unit No. 2, Full-Scale Design Report, Groundwater Circulation System* dated March 26, 2004, and revised on May 18, 2004, was submitted and approved by the NYSDEC in a letter dated June 9, 2004. This completion report provides the details regarding construction and startup of the full-scale groundwater IRM system at the site.

1.1 Site Description

The former GIC site is located at 600 West John Street northeast of the intersection of West John Street and Cantiague Rock Road in Hicksville, New York (Figure 1). The 11.5-acre site is located in a light industrial section of Hicksville and was developed in 1960 for General Transistor, who was subsequently acquired by GIC. GIC used the facility, including two one-story buildings and one two-story building, for the research, design, and manufacture of semiconductors, radar systems, and electronic equipment until operations ceased in 1994. 600 West John LLC currently owns the property and leases the buildings to industrial and commercial tenants. The site is surrounded by industrial and commercial properties.

1.2 Background Information

The conditions at the site have been investigated since 1981. Three potential areas of VOC releases were identified on the former GIC site: a former 2,000-gallon underground waste solvent tank (Area A), a former 1,000-gallon underground waste solvent tank (Area B), and a

sump in an underground tunnel (Area C). A preliminary investigation was conducted in two phases between 1981 and 1986 and included the installation of six monitoring wells. The investigation found that chlorinated VOCs, primarily TCE, tetrachloroethene (PCE), and 1,2-dichlorobenzene (DCB), were present in groundwater beneath the site. A groundwater pump and treat system was installed during this time period, but was considered ineffective and operation was discontinued.

In 1986, GIC entered into an Order on Consent with the NYSDEC and the former GIC site was listed as an inactive hazardous waste disposal site. Under the Order, GIC agreed to identify and investigate releases of contaminants onsite and offsite. In January 1990, GIC and NYSDEC entered into a second Order on Consent to conduct a Remedial Investigation/Feasibility Study (RI/FS). Two operable units (OU-1 and OU-2) were defined: affected onsite soil is referred to as OU-1 while affected groundwater is referred to as OU-2.

In 1994, a soil vapor extraction (SVE) system was installed as an IRM to address onsite soil. In March 1997 following 16 years of site investigation, the NYSDEC issued a Record of Decision for OU-1 requiring SVE for treatment of onsite soils and as a result the system was upgraded. Closure testing conducted in the fall of 2001 indicated that Areas B and C were sufficiently remediated to allow shutting down the system but that continued operation in Area A was still producing benefits. Additional testing conducted in Areas B and C in December 2002 confirmed these results and these areas were permanently closed with the approval of the NYSDEC. Modifications to the SVE system were performed in the spring of 2003 and the system continues to operate in Area A.

After the preliminary investigations conducted between 1981 and 1986, five additional phases of groundwater investigation were conducted from 1990 through 2003. In 1992, 11 monitoring wells and two deep soil borings were installed as part of the Phase I RI. The 1994 Phase II RI included the installation of one well and a survey of soil vapor along the western and southern property boundaries. Investigations continued with the installation of three wells as part of the Phase III RI in 1997, the installation of three soil borings in 1998, and the installation of six additional soil borings and three well couplets as part of the Phase IV RI in 2001. More recently, 11 monitoring wells were installed as part of the 2002 Phase V RI.

In the summer of 2003, a pilot test of groundwater circulation technology was conducted to provide additional information for the design and operation of a full-scale circulation well

system. In preparation for the pilot test, VGS continuously sampled soils to 380 feet below ground surface and installed four monitoring wells. The results of the pilot test indicated that the technology will be successful at achieving the stated objectives of the IRM: intercepting the VOC plume and removing substantive mass of VOCs from the aquifer. In addition, the pilot test provided information on the soil stratigraphy in the vicinity of the IRM, the yield of a UVB well, achievable groundwater extraction and injection rates, the efficiency of the air stripper, geochemistry and biochemistry data, and the maximum spacing between UVB wells to fully intercept the targeted width and depth of the VOC plume (ESC Engineering 2003a).

1.3 Summary of Site Hydrogeology and Constituents of Concern

The former GIC site is underlain by 1,100 feet of unconsolidated material, and the groundwater table is located at approximately 70 feet below ground surface (bgs). Regional soils consist of gravelly sand (0 to 40 feet bgs), fine to medium sand (40 to 100 feet bgs), and silty fine sand (greater than 100 feet bgs).

1.3.1 Site Hydrogeology

The Magothy formation, which underlies the Upper Glacial Aquifer, is the primary drinking water source for Long Island. Analysis of groundwater elevations recorded during historic sampling events indicates that the groundwater flow direction is toward the south, with a slight westward component at depths of 200 feet or less. The closest municipal drinking water well is 6,600 feet away.

Based on boring logs for wells completed for the pilot test, soils in the immediate vicinity of the IRM location generally consist of sand with thin layers of clay, clayey sand, or silt. The majority of the clay and clayey sand layers were encountered at depths greater than 100 feet, are less than 1.5 feet in thickness, and appear to be localized. Clay lenses detected while installing monitoring wells W-35-380 and W-27-240 in 2003 were not continuous throughout the entire pilot test area and did not have a significant impact on the overall circulation cell development.

1.3.2 Constituents of Concern

As described previously, there are numerous sources of VOCs in the area. The primary constituents of concern (COCs) associated with the former GIC site are chlorinated solvents, including TCE and associated degradation compounds. Other VOCs such as PCE, xylenes, ethylbenzene, and DCB have also been detected.

As described in the Phase V RI Report, the plume associated with the former GIC site extends from the source areas, under the King Kullen property located south of the former GIC property, to beyond the southern boundary of the Ackerman property (ESC Engineering and Stearns & Wheler 2003b). There are several converging plumes (only one of which is attributable to GIC) in the vicinity of the former GIC site. The plume that may be attributed to the former GIC site is depicted on Figure 2. Data from previous investigations suggest that, near the southern Ackerman property line, the combined plume extends from approximately 160 to more than 380 feet bgs.

1.4 Purpose and Objectives of the IRM

The purpose and objectives of the IRM are to control the rate of migration of VOCs downgradient from the former GIC site and to remove VOC mass from groundwater. The IRM was designed to treat the plume originating from the former GIC site, and will also address those portions of this plume that have commingled with plumes from other sources. As described in the Phase V RI Report, VOCs identified in groundwater samples from the easternmost well (W-26) and the westernmost well (W-28) along the southern boundary of the Ackerman property are likely attributable to sources other than the former GIC site (ESC Engineering and Stearns & Wheler 2003b). While some COCs from other plumes may be removed from the subsurface, the IRM will not capture the plumes that originated offsite in their entirety.

As described in the Pilot Test Summary and Conceptual Full-Scale Design Report, UVB well systems consist of a single well with multiple screened intervals hydraulically separated by packers. A submersible pump extracts groundwater from one of the screened intervals, and pumps it to a below-grade air stripper located in a vault near the ground surface. The treated groundwater is then returned to the subsurface through the remaining screened intervals using either passive or active methods. Under ideal conditions, the simultaneous extraction and recharge causes a spherical zone of circulation to develop around the well casing. The shape of the zone of circulation can vary depending on the isotropic nature of the subsurface. The air stripper blower allows transfer of the VOCs from the groundwater to vapor for either subsequent treatment or discharge to the atmosphere.

UVB well technology was selected for the IRM in part because of the documented success of this technology at the Brookhaven National Labs (BNL) site in Upton, New York,

where subsurface conditions, target depths, and constituents are similar to those encountered at the IRM location. Seven UVB wells at the BNL site achieved 92.82 percent average removal efficiency during startup of the system.

UVB well technology was also selected because of the flexibility inherent in this type of system to adjust to unanticipated site conditions. The UVB well could be modified to change which zones are used for extraction and recharge. The configuration could also permit the introduction of an oxidant, such as ozone or potassium permanganate, into the subsurface through the discharge piping or top of the well casing.

2.0 Permitting and Site Access

The full-scale IRM system consists of three UVB wells: two installed on the NYS Park Service property at 508 Duffy Avenue, and one installed on the Ackerman property at 100-136 Charlotte Avenue. Before the full-scale IRM system could be constructed, permitting and site access agreements were a fundamental design consideration. The locations of the wells were sited and agreed upon by all of the stakeholders in the properties, including VGS, the NYS Park Service, the Long Island Power Authority (LIPA), Neptune RTS™, Mr. Jerome Ackerman and the NYSDEC.

2.1 Site Access

The three UVB wells are not on properties owned by VGS. The Ackerman property is currently used for light commercial and industrial operations and no major land use changes are anticipated. In contrast, LIPA has awarded a contract to Neptune RTS™ to install an electrical converter station on the NYS Park Service property. Therefore, the location of well UVB-2, which was agreed upon by all stakeholders in these projects, was selected on the far west portion of the NYS Park Service property as shown on Sheet 2.

According to access agreements with Koack & Associates, Inc. (owner of the Ackerman property) and the NYS Park Service, ESC Engineering and their subcontractors will be allowed to access the wells and treatment equipment through several gates installed around the wells and equipment. Koack & Associates agreed to allow VGS to install well UVB-3 in a fenced enclosure in the parking lot to control access to the well. VGS, ESC Engineering, and their subcontractors will have permission to access the wells during routine and non-routine operations and maintenance and sampling site visits.

2.2 Permitting

ESC Engineering reviewed applicable federal, state, and local permitting requirements. Because the State of New York owns the 508 Duffy Avenue property, the Town of Oyster Bay required no building permits for the treatment equipment building.

As a groundwater remediation system, the UVB system is exempt from air permitting requirements as a trivial activity under 6 NYCRR Part 201-3.3(c)(29). However, the NYSDEC

has expressed concern regarding potential ambient air quality impacts due to vinyl chloride emissions from the UVB system. To address this concern, ESC Engineering completed an evaluation of potential vinyl chloride emissions from the proposed system and determined short-term and annual guideline concentrations (SGCs and AGCs) as listed in the New York State DAR-1 Guidelines for the Control of Toxic Ambient Air Contaminants (Guidelines) will not be exceeded at any location. This evaluation is summarized in the Full-Scale Design Report and concluded that vapor treatment for vinyl chloride was not required based on the Guidelines. The full-scale design included the use of activated carbon to remove other VOCs from the vapor stream; however, based on startup data, ESC Engineering performed an air emissions evaluation for all VOCs in the vapor stream. This evaluation, which is presented in Section 5, demonstrates that vapor treatment is not required for the IRM system.

Well development and purge water generated during the installation and sampling of wells UVB-2 and UVB-3 was temporarily containerized onsite. The water was treated using activated carbon and discharged to the ground surface on the NYS Park Service property or the adjacent Nassau County Department of Public Works recharge basin following the protocol used for the pilot test. No other permits are required to operate the full-scale IRM system at this time.

3.0 UVB System Installation

After evaluating the types of groundwater circulation wells commercially available, a UVB well system was selected for the IRM. IEG Technologies Corporation of Mooresville, North Carolina, licenses use of UVB well systems in the United States and assisted ESC Engineering during the full-scale UVB well equipment installation and startup. Photographs taken during the UVB system installation can be found in Appendix A.

3.1 Final UVB Well Placement and Construction

As described in the Phase V RI Report (ESC Engineering and Stearns & Wheeler 2003b), field screening and groundwater sampling data collected in the summer of 2002 indicate that VOCs are present along the southern Ackerman property boundary and the NYS Park Service property. In addition, the analytical results indicate that multiple plumes are commingled both horizontally and vertically in the area of the full-scale IRM system. Figure 2 depicts the current plume interpretation for the former GIC site with the June 2004 potentiometric surface. As shown on this figure, the portion of the commingled plumes that may be attributable to the former GIC site extends (horizontally) from the vicinity of monitoring wells W-28-262 to W-30-285.

To address the portion of the commingled plumes that may be attributable to the former GIC site, two additional UVB wells with stacked cells were installed such that all three UVB wells are a maximum of 330 feet apart on center along planes perpendicular to the groundwater flow direction. The IRM wells were installed downgradient of the former GIC site on the NYS Park Service and Ackerman properties at the locations shown on Sheet 2. The well locations were selected based on numerical computer modeling described in Section 3.5 of the Pilot Test Summary and Conceptual Full-Scale Design Report and were limited as described in Section 2.1 by a proposed electrical converter station on the western portion of the NYS Park Service property and use of the parking lot on the Ackerman property.

For well UVB-2, temporary access was cleared through the trees on the western portion of the NYS Park Service property. Care was taken to minimize the number of large trees removed during the well installation. A pit was excavated adjacent to the well location to contain drilling fluids during well construction. A new locking gate will be installed in the fence

in October 2004 to allow long-term access to well UVB-2. After the converter station is built, well UVB-2 will be accessed using the proposed perimeter access road to be constructed by Neptune RTS™. For well UVB-3, pavement on the Ackerman property was saw-cut for the trench and mixing pit. While excavating the pit, the site was deemed not suitable for a subsurface pit and aboveground tanks were used to contain the drilling fluids.

Each well was installed to a final depth of 392 feet bgs using a trailer-mounted Failing Jet A rotary drill rig. Installation of well UVB-2 was similar to that of well UVB-1. A 20-inch ID welded steel conductor casing was installed from the surface to approximately 75 feet bgs (below the water table) using mud rotary techniques. After the surface casing was grouted in place, the drill rig was converted to reverse rotary and this steel casing was used to maintain hydrostatic pressure for the remainder of the borehole.

The installation of well UVB-3 differed due to the use of aboveground tanks to contain the drilling fluids. Installing the conductor casing using the same mud rotary techniques used in wells UVB-1 and UVB-2 would have required a lengthy and difficult cleaning of the tanks before conversion to reverse rotary. Instead, an additional 30-inch ID welded steel casing was installed to a depth of approximately 15 feet bgs. This outer casing was extended several feet above the ground surface to create enough hydrostatic pressure for reverse rotary techniques to be used to install the conductor casing. The inner 20-inch ID steel casing was then installed to approximately 75 feet bgs, and the remainder of the borehole was installed as before. Because the lithology of the surrounding area has been sufficiently documented, no additional soil samples were collected during well construction.

Each UVB well was constructed of 10-inch ID Schedule 40, butt-welded, low-carbon steel riser equipped with three sections of 10-inch ID continuous-wrap 304 stainless steel screen. The screened intervals of wells UVB-2 and UVB-3 are from 210 to 240 feet bgs, 285 to 315 feet bgs, and 360 to 380 feet bgs, similar to the well UVB-1. The sand filter pack and screen size openings are also the same as used for well UVB-1 and were determined by performing a grain size analysis of soil collected from the proposed screen intervals of the soil boring for monitoring well W-35-380. Assuming a maximum design extraction rate of 80 gallons per minute (gpm) to account for the maximum rated capacity of the air stripper and possible reductions in efficiency of the well over time, the slot size selected was 0.040 inches for the portion of the screen where sand is present. For portions of the screen where silt or clay material is present, the maximum

design flow rate decreased to 20 gpm and the corresponding slot size was reduced to 0.010 or 0.020 inches.

After the well casing was installed, the area around the well casing was excavated to approximately 8 feet bgs to allow for installation of the below-grade well vault. The outer steel well casing and the steel well riser were cut to approximately 8 feet bgs, and the well vault, a section of 48-inch-diameter double-walled high density polyethylene (HDPE) pipe, was fitted over the well casing. Before installation, the bottom of the well vault was sealed with an HDPE plate and an HDPE riser slightly larger than the outside diameter of the well casing was installed in the center of the plate. This riser fitted over the steel well casing when the vault was installed, and the annulus between the well casing and the HDPE riser was filled with an expandable latex-based sealant and grout to provide an impermeable seal between the well vault and the well casing. Construction diagrams for wells UVB-2 and UVB-3 can be found in Appendix B.

Soil cuttings from the UVB wells were stockpiled on plastic sheeting. The soil cuttings have been sampled for waster profiling purposes and will be disposed offsite in accordance with all federal, state, and local regulations.

Each UVB well was developed after a minimum of 24 hours using an air lift line and a custom-built surge block. Water generated during this process was contained in 20,000-gallon storage tanks, treated using activated carbon, and recharged to the ground surface following the protocol used during the pilot test.

3.2 Site Preparation and Equipment Building

To protect the UVB treatment equipment and reduce exterior noise, an equipment building was installed in a north-south orientation on the east side of the NYS Park Service property. The temporary equipment shed, vapor treatment units (VTUs), blower, and electrical control panel associated with the pilot-scale system were disconnected from well UVB-1 and removed from the site. To prepare the site for installation of the 12-foot by 60-foot equipment building, the ground surface within the footprint of the building was first graded and compacted using a roller and plate compactor to provide a level surface. A 1-foot wide trench was then excavated under the location of the building walls for additional support. A reinforced concrete slab foundation 4 inches thick in the center and 18 inches thick under the walls was then installed.

After the concrete had cured for a minimum of 7 days, a partially pre-fabricated wood-framed structure was delivered to the site and installed. The walls of the building are 10 feet high, with a final roof height of 12 feet at the center of the peak as shown on Sheet 4. Overhead doors were installed on the north and south ends of the building to move equipment in and out of the building as necessary, and eight 1.5 x 2-foot hatches were installed in the roof of the building to facilitate carbon change-outs.

Rather than move the main breaker panel and electrical meter, only the electrical distribution panels from the pilot test system were relocated inside the equipment building. After clearing brush from the proposed trench alignments and saw-cutting the pavement, two-inch diameter underground electrical conduits were installed from each of the UVB wells back to the programmable logic controller (PLC) and distribution panels in the building. ESC Engineering met with engineers from Neptune RTS™ to coordinate the location of the underground electrical conduit so that the conduits will not be damaged during installation of the converter station and that they may be accessible in the future if needed. Details regarding the transfer piping and electrical controls are provided in Section 3.3.5.

3.3 UVB System Equipment

The equipment selected for the additional UVB wells is similar in design to the pilot test system. However, some modifications were made based on information gained during the pilot test and interim operation of the system. The following modifications were incorporated into the full-scale system:

- use of larger blowers to increase the air flow rate and stripping efficiency
- installation of two stripping trays in each UVB well to increase the water retention time and overall VOC removal efficiency
- provisions for incorporating the use of a biocide and/or iron sequestering agent to control biological growth and iron oxidation

Each UVB well system includes a well vault with a locking lid, a below grade air stripper with dual trays, a submersible extraction pump, a sump pump, a blower, and electrical controls. Vapors from the three wells are combined on the discharge side of the blowers for either treatment through activated carbon or direct discharge to the atmosphere. A biocide and/or an

iron sequestering agent delivery system was installed in the equipment building to transfer the liquid to each UVB well.

3.3.1 Pumps and Packers

As described in the Full-Scale Design Report, the design flow rate of the pilot test well was 60 gpm. However, extraction and recharge tests conducted during the pilot test indicated that the formation may be able to accommodate higher flow rates and that with the addition of a second stripping tray and larger blowers, it may be possible to achieve the desired 90 percent VOC removal efficiency at a higher flow rate. Therefore, ESC Engineering selected slightly larger 4-inch diameter extraction pumps for wells UVB-2 and UVB-3 (Grundfos model 75S30-5).

After each well vault was set in place, a drilling rig was set up over the well. Two packers were installed below the upper and middle screened intervals of each UVB well to isolate each screened interval. The packers were equipped with custom cores to allow for installation of 2-inch diameter HDPE effluent and influent piping, pump cables, inflation line, and transducer cables as shown on Sheet 3. Non-venting vibrating-wire pressure transducers manufactured by Geokon of Lebanon, New Hampshire were also installed in each screened interval to measure fluctuations in total head when the system is in operation.

At the request of the NYSDEC, ESC Engineering agreed to sample the lower screened intervals of wells UVB-2 and UVB-3 before starting up the IRM system. To facilitate the sampling, mild steel pipe was used for the upper 80 feet of the extraction piping instead of HDPE piping as designed. The mild steel pipe allowed the use of a 2-inch diameter pump to sample the lower screened intervals; the inside diameter of the HDPE pipe was too small to accommodate a 2-inch pump. An Ebara pro-Drainer model P707U61.12 pump with a 1-horsepower motor capable of pumping up to 40 gpm at 50 feet of head was then placed in the bottom of the well vaults to pump water to the lower screened interval of the UVB well. A schematic of the piping, packers, and pumps can be found on Sheet 3.

3.3.2 Air Strippers and Blowers

Each UVB well is equipped with a dual-tray below-grade air stripper and a dedicated blower. The air strippers are rated to 80 gpm and were installed in the below-grade well vaults as shown on Sheet 3.

All three blowers were installed in the equipment building on the NYS Park Service property as shown on Sheet 2. In addition to the new centrifugal blowers for wells UVB-2 and UVB-3 (Twin City Model 23W10), the pilot test blower was replaced with a larger unit capable of producing a minimum of 1,000 standard cubic feet per minute (scfm) at 25 water column inches (wci) vacuum and 16 wci pressure. Detailed calculations regarding the selection of the appropriate blowers were included in the Full-Scale Design Report.

3.3.3 Iron Sequestration and Biological Growth Inhibitors

Results of sampling completed during the pilot test indicated that iron and bacteria may cause iron scaling or biofouling during operation of the full-scale system. More recent results for samples collected in May 2004 indicated that iron bacteria are present in low concentrations and are relatively non-aggressive. Evidence of iron scaling is present in well UVB-1, in which the recharge efficiency of the lower screened interval began decreasing in May 2004 after 10 months of operation. Well UVB-1 was shut down in late July 2004 while arrangements could be made to clean the screens in this well.

Based on these observations, ESC Engineering included a chemical delivery system in the design of the full-scale system. Because biological fouling is not an immediate concern, ESC Engineering selected Redux 101, an iron sequestering agent manufactured by Redux Technology of Newfane, Vermont, for use in the full-scale system. With the approval of the NYSDEC and the New York State Department of Health, one 55-gallon drum of Redux 101 was connected to each UVB well using 0.75-inch HDPE water service tubing.

On August 12, 2004, chemical metering pumps (Pulsatron Model LPG4-SA-PTC1) were installed and adjusted to deliver approximately 0.005 gallons per hour (0.06 gallons per day) to the influent piping of each air stripper as recommended by the manufacturer based on flow rates and analytical data. The application rate may be adjusted during long-term operation of the UVB wells based on the rate of scaling encountered. Additional testing may be performed over time on all three UVB wells to determine the need for a biocide to reduce iron bacteria fouling. If a biocide becomes necessary, ESC Engineering will coordinate with the NYSDEC and the NYSDOH to select an approved control agent.

3.3.4 Vapor Treatment Equipment

The full-scale design included activated carbon for treatment of the off-gas from the air strippers. As described in Section 5, an air emissions evaluation based on startup data demonstrates

that vapor treatment is not required by the Guidelines. Therefore, after the initial charge of carbon is spent, it will be disposed of offsite and vapor treatment will be stopped. The vapor treatment equipment will be kept in place, and new carbon will be installed if performance monitoring (as described in Section 6) indicates that treatment is required. The configuration of the vapor treatment equipment is described below.

Vapors from all three UVB wells are combined for either treatment through four 5,000-pound activated carbon units or direct discharge to the atmosphere. The VTUs are plumbed with two units in series parallel to two more units in series. Each VTU is equipped with sampling ports on the inlet and outlet piping, while an additional sampling port was installed on the system exhaust stack. To reduce line losses and backpressure on the blowers, the VTUs were connected using 10-inch diameter flexible hose as shown on Sheet 4. The flexible hoses also allow the orientation of the VTUs to be easily rotated.

After passing through the VTUs, treated vapors are combined and discharged through a 10-inch diameter PVC exhaust stack installed after the outlets of the secondary VTUs. The exhaust stack extends 8 feet above the roof of the building, is equipped with a rain cap, and is secured to the building roof with guy wires.

3.3.5 Transfer Piping and Electrical Conduits

All trenches for the electrical conduits and subsurface piping were excavated to a depth such that the top of the piping is a minimum of 3 feet bgs to account for vehicular traffic and freezing conditions. In locations where the transfer piping and electrical conduits crossed over existing underground utilities, the transfer piping and electrical conduits were installed over the existing utilities. After the electrical conduits and piping were installed, the trenches were backfilled with soil free of rocks and debris to prevent damage to the piping. Junction boxes were installed in the electrical conduits at the locations shown on Sheet 2 so that the electrical wires may be accessed in the future if necessary and to prevent damage to the electrical wires during installation. Metallic warning tape was placed in all trenches above buried piping to prevent damage to the pipe during future work at the site.

Two condensate collection points were installed at the point of lowest elevation of the vapor transfer piping as shown on Sheet 2 and detailed on Sheet 3. Each point was constructed of 4-inch diameter PVC pipe, was installed to approximately 6 feet bgs, and is equipped with a locking cap. These condensate collection points will be inspected during O&M site visits to remove any

accumulated water. Any condensate collected will be treated using activated carbon and discharged to the ground surface.

All HDPE piping was butt-welded, while all PVC piping was solvent welded in accordance with the procedures described in the Full-Scale Design Report. The vapor transfer piping was pressure tested by isolating sections of newly installed pipe and pressurizing the pipe to 50 pounds per square inch (psi). If the pipe lost more than 1 psi of pressure over 1 hour, the leak was identified and repaired and the pipe was retested. This was repeated until the welds passed this pressure test.

3.4 System Telemetry

Well UVB-1 was equipped with a simple electrical control panel with logic that would shut down the system in the event of an alarm condition. This control panel was replaced with a comprehensive system equipped with a central PLC. The PLC is connected to a computer, a phone line, and modem so that data can be monitored and collected remotely. In addition, the PLC is programmed such that ESC Engineering and their O&M subcontractor will be notified if the system shuts down for any reason.

The full-scale system telemetry incorporates the following alarm conditions for each well that will shut down the entire system:

- low water in any UVB well vault sump
- high water in any UVB well vault sump
- low vacuum on the inlet side of any blower
- high vacuum on the inlet side of any blower
- power failure

The system was programmed such that an alarm condition will shut down the entire system. A process and instrumentation diagram depicting the logic and controls associated with the full-scale system is included on Sheet 5.

The system is wired such that the following information can be remotely monitored and downloaded if desired:

- equipment in operation
- extraction rate for each well
- recharge rate for each well
- total volume extracted for each well

- total volume recharged for each well
- alarm conditions activated, if applicable, for each well
- time of shutdown, if applicable, for each well
- inlet vacuum for each blower

The full-scale design included provisions for remotely monitoring the pressure in each screened interval of each UVB well. After consultation with various equipment vendors, ESC Engineering learned that transmission of the pressure signals would be difficult and likely unreliable because of the long distances between the wells and the control panel and the potential for interference from the future electrical converter station. Therefore, ESC Engineering altered the design and purchased a hand-held datalogger to manually record transducer readings at the wellheads during O&M site visits.

In addition, air velocity transmitters were included in the original design of the full-scale UVB system. However, according to the manufacturer, the specified transmitters were a relatively new product that had experienced problems, and two of the three transmitters malfunctioned during startup activities. Therefore, ESC Engineering opted to replace the air velocity transmitters with pitot tubes coupled with Magnehelic differential pressure gauges to measure airflow. The required pitot tubes were on back order during system startup activities but were installed in August 2004.

To account for possible distortion problems in the electrical signals from well UVB-2 to the control panel, two sets of flow meters (one at the wellhead, one in the control panel) were installed for this well. During startup activities, measurements obtained from both sets of flow meters were within 5 percent of each other. Data will continue to be collected from both meters for comparison; however, data from the flow meters at the wellhead will be used to calculate groundwater extraction and recharge rates.

4.0 System Startup and Optimization

System startup activities include collection of baseline groundwater samples, adjustment of extraction and recharge rates to achieve optimal flow rates, and collection of water and vapor samples. Details regarding sampling and startup activities are described in more detail in the following sections.

4.1 Baseline Groundwater Sampling

Before the full-scale system was started, ESC Engineering collected baseline groundwater level measurements and samples to evaluate pre-existing conditions. All groundwater samples were analyzed at a minimum for VOCs, including dichlorobenzenes, by STL-Connecticut of Shelton, Connecticut, using U.S. Environmental Protection Agency (EPA) Method 8260B.

As part of the Interim Groundwater Monitoring Plan, baseline water level measurements and groundwater samples were collected in June 2004 from monitoring wells located near the groundwater IRM system. Monitoring wells sampled included: W-26-270, W-27-240, W-27-285, W-30-285, W-35-240, W-35-315, and W-35-380. Water level data for these wells can be found in Table 1, while the analytical results for these samples can be found in Table 2. Laboratory analytical reports were previously provided to the NYSDEC on September 10, 2004, in the *June 2004 Semiannual Groundwater Monitoring Report* (ESC Engineering 2004a).

Baseline water level measurements and groundwater samples were also collected from the middle screens (extraction zone) and lower recharge screens of wells UVB-2 and UVB-3 before the air stripping trays were installed. Because no groundwater data were available in the vicinity of well UVB-2, ESC Engineering also collected a groundwater sample from the upper screened interval of this well. The water level data are presented in Table 1, while the analytical results are included in Table 2. Laboratory analytical reports for these samples are included in Appendix C.

During system startup activities, groundwater samples were collected from all three wells at varying flow rates to evaluate the VOC removal efficiencies of the air strippers. Additional details regarding these samples are discussed further in Section 4.3. In addition to the VOCs analyses, one sample collected from the air stripper influent of each new UVB well was also

analyzed for total iron by EPA Method 6010, dissolved iron by EPA Method 6010, total hardness by EPA Method 130.1, alkalinity by EPA Method 310.1, pH by EPA Method 9040, total bacteria count, and presence of iron bacteria. The bacterial analyses were performed by STL-Newburgh of Newburgh, New York, while the remainder of the analyses were performed by STL-Connecticut. The analytical results for these samples can be found in Table 3, while laboratory analytical reports are included in Appendix C.

The groundwater elevation data collected were similar to those observed in August 2001. The slight mounding effect near well W-30-285 was likely a temporary result of water recharged below the ground surface during the installation of well UVB-3, which was completed the previous week. As evidenced by the measurements collected in well UVB-3 two weeks later, this mounding effect dissipated over time.

Total VOC concentrations detected in the upper and lower screened intervals of well UVB-2 were similar in magnitude to those detected in monitoring wells W-27-240, W-27-285, W-35-240, and W-35-380. However, the sample collected from the lower screened interval of well UVB-3 contained a higher concentration of total VOCs and was predominantly PCE. This is similar to nearby monitoring wells W-26-270 and W-30-285. Vinyl chloride was not detected in any of the baseline groundwater samples collected from the upper and lower screened intervals in wells UVB-2 and UVB-3.

Historically, the total VOC concentrations in the air stripper influent samples collected from well UVB-1 ranged from 1,704 to 4,690 micrograms per liter ($\mu\text{g/l}$; Table 4). The total VOC concentrations detected in the samples collected from the extraction screen of well UVB-1 in July 2004 (3,045 to 3,165 $\mu\text{g/l}$) were similar to historical sampling results (Table 3) detected in 2003. The total VOC concentration in the June 2004 sample collected before well UVB-1 was shut down for the full-scale system construction was 2,272 $\mu\text{g/l}$. This decrease in concentration over time was anticipated because the concentrations in the air stripper influent should decrease as treated groundwater is circulated through the cells of the UVB well. The increase in total VOCs detected between the June and July 2004 sampling results may be the result of shutting down well UVB-1 during construction, thereby reducing the ratio of recharged treated water to upgradient untreated water into the air stripper and increasing the total VOC concentration in the air stripper influent.

The total VOC concentrations detected in the extraction intervals of wells UVB-2 (1,370 to 1,406 $\mu\text{g/l}$) and UVB-3 (1,856 to 2,064 $\mu\text{g/l}$) were less than those detected in well UVB-1 (Table 4). Similar to the sample collected from the lower screened interval of well UVB-3, the predominant compound detected in the extraction interval of well UVB-3 was PCE. The predominant compounds detected in the sample collected from the extraction interval of well UVB-2 were cis-1,2-dichloroethylene (cis-1,2-DCE), TCE, and PCE, which is similar to well UVB-1. Although vinyl chloride was not detected in the extracted groundwater from well UVB-3 as anticipated, vinyl chloride was detected in the extracted groundwater samples collected from well UVB-2 at 120 $\mu\text{g/l}$. This concentration was lower than the design concentration of 215 $\mu\text{g/l}$ included in the evaluation of vinyl chloride emissions in the Full-Scale Design Report.

4.2 Determination of Optimum Injection and Extraction Rates

Similar to the pilot test, startup activities included pumping tests on wells UVB-2 and UVB-3 to optimize the extraction and recharge rates into the aquifer. However, unlike the pilot test, variable frequency drives (VFDs) were not available to control the extraction and recharge rates of the pumps. Instead, butterfly and gate valves were installed to manually adjust the water flow rates. The wells were balanced at the maximum extraction rate and at 60 gpm, the design operating rate. Raw data collected from the pressure transducers during these tests can be found in Appendix D.

The first test involved extracting from the middle screen only to determine the maximum extraction rate of the new pumps and verify that the yields of wells UVB-2 and UVB-3 do not vary significantly from that of well UVB-1. The extraction piping from each stripper was temporarily connected via flexible hose to the top of one of two temporary onsite storage tanks located approximately 30 to 50 feet from each well. It should be noted that each temporary storage tank was approximately 15 feet tall, adding an additional 15 feet of head to the pump, which ultimately reduced the capacity of the submersible pump for this test only.

The first set of tests was completed using well UVB-2. The down-well submersible pump was turned on while the blower was still off, and the extraction rate was monitored using a flow meter installed on the extraction piping. Responses in the pressure transducers installed in each screened interval were also monitored using dataloggers connected to the downwell

transducers. Water generated during this test was pumped to the temporary storage tank for later treatment using activated carbon and discharge to the ground surface.

Well UVB-2 was initially turned on at a pumping rate of 20 gpm, and the transducer readings were allowed to stabilize (Figure 3). After the transducer readings stabilized, the extraction rate was increased incrementally by opening the butterfly valve. With the butterfly valve fully open and pumping water directly to the temporary onsite storage tank, the maximum extraction rate observed was 60 gpm while the pressure in the middle screened interval decreased 1.6 psi. The extraction pump capacity is rated for 70 gpm at the operational head of approximately 115 feet of water. The observed maximum extraction rate of 60 gpm was likely due to the additional head required to pump the water to the top of the temporary onsite storage tank. During the extraction only tests, maximum pressure decreases in the upper and lower screened intervals were measured at 0.0109 and 0.0053 psi, respectively. These pressure decreases indicate vertical hydraulic communication across the screened intervals.

After the extraction only test at UVB-2, the pumping tests continued with recharge into the upper screened interval only. The blower was turned on and treated water was recharged into the subsurface passively through the top of the well casing at an initial flow rate of 20 gpm. Pressure in each screened interval of the well was again monitored using the transducers (Figure 4). As anticipated, when the down-well pump was first turned on, the pressure in the extraction interval decreased while the pressure in the upper interval increased. In a short period of time, these pressures stabilized. The pumping rate was then increased incrementally to the maximum extraction rate of 70 gpm by opening the butterfly valve and the pressures were allowed to stabilize. Similar to the pilot test, the extraction rate of the pump, which is restricted by the capacity of the air stripper, is the limiting parameter in the operational capacity of the well.

The valve on the discharge piping to the lower screened interval was then opened for recharge into the lower screen. The submersible sump pump located in the bottom of the well vault was turned on in addition to the submersible pump. Unlike the pilot test in which each pump could be controlled precisely with the VFDs and the flow rates could be balanced easily, the butterfly valves could not be set to equalize the flow rates without turning the system off and on between adjustments. Therefore, the extraction pump was turned on at the maximum flow rate of 70 gpm and the flow rate into the lower screened interval was incrementally increased

from 20 gpm to 70 gpm while the remaining water was allowed to enter the upper screened interval (Figure 5). After this test was completed, the system was balanced with approximately 35 gpm recharging into both the upper and lower screened intervals.

These tests were then repeated using well UVB-3. Similar to the pilot test and the tests completed using well UVB-2, the decrease in pressures observed in the upper and lower screened intervals of well UVB-3 during the extraction only test are indicative of vertical hydraulic communication across the screened intervals of this well (Figure 6). In addition, the magnitude of the vertical communication across the screened intervals (i.e., changes in pressure of less than 0.1 psi) was similar between all three wells.

The maximum extraction rate of well UVB-3 with no recharge was 62 gpm, while the pressure in the middle screened interval decreased 1.7 psi. Again, this is lower than the rated capacity of the submersible pump due to the extra head required to pump the water to the top of the temporary onsite storage tank. As can be seen on Figures 7 and 8, the maximum extraction rate when the air strippers were in operation was approximately 70 gpm. The maximum recharge rate into either the upper or lower screened intervals was also 70 gpm. After these tests were completed, well UVB-3 was balanced at an extraction rate of 70 gpm with recharge rates into the upper and lower screened intervals of approximately 35 gpm each.

In comparing the results for wells UVB-2 and UVB-3, there were small differences between the pressure changes in the upper and lower screened intervals when the system was operating at the maximum extraction rate. During the tests with recharge into the upper screened intervals only at an extraction rate of 70 gpm, the pressure increase in the upper screened interval of well UVB-2 (2.1 psi) was higher than in well UVB-3 (1.4 psi). Similarly, while recharging into only the lower screened intervals at 70 gpm, the pressure was higher in the lower screened interval of well UVB-2 (3.6 psi) compared to UVB-3 (1.6 psi). The lower pressures measured for UVB-3 may be indicative of more transmissive soils in the upper and lower screened intervals for UVB-3 compared to UVB-2. During the pilot test, the pressure in the upper screened interval of well UVB-1 increased to 1.9 psi when water was recharged into the upper screened interval only at an extraction rate of 55 gpm, while the pressure in the lower screened interval increased to 2.5 psi when water was recharged into the lower screened interval only. ESC Engineering will monitor the pressure transducer measurements over time to ensure the recharge efficiency of

each well is maintained at a level that will allow a 30 gpm recharge rate into the upper and lower screened intervals of each well.

4.3 VOC Removal Efficiency

After the optimum extraction and recharge rates for each well were determined, one set of influent and effluent water samples were collected from each air stripper at the maximum extraction rate and then again at the balanced design flow rate. For wells UVB-2 and UVB-3, the maximum balanced extraction rate was 70 gpm, while for well UVB-1 the maximum extraction rate was 63 gpm. The balanced extraction rate for wells UVB-2 and UVB-3 was 60 gpm, while for well UVB-1 it was only 44 gpm due to the iron scaling in the lower screened interval of this well. The samples were analyzed for VOCs, including dichlorobenzenes, using EPA Method 8260B by STL-Connecticut within a standard turnaround time of 2 weeks. Analytical results for these samples can be found in Table 3, while the laboratory analytical reports are included in Appendix E.

The analytical results from these samples were used to calculate the VOC removal efficiency of the air strippers. As previously described, the air velocity transmitters included in the original design of the full-scale system malfunctioned and replacement pitot tubes were on back order. Therefore, no air velocity or flow data were available during system startup activities. In the absence of these data, each well was set to a vacuum of approximately 12 to 18 inches of water at the wellhead, which was similar to or higher than the previous operating conditions of well UVB-1. These settings were anticipated to provide a similar or greater VOC removal efficiency through the air strippers because of increased airflow generated by the new, larger blowers.

Total VOC concentrations in the air stripper influent samples ranged from 1,320 $\mu\text{g/l}$ in well UVB-2 to 3,165 $\mu\text{g/l}$ in well UVB-1. The VOC removal efficiency of the air strippers with the new larger blowers ranged from 67 percent in well UVB-2 at 70 gpm to 97 percent in well UVB-1 at 44 gpm. This was anticipated because the stripping efficiency should increase as the flow rate through the stripper decreases. In addition, the higher VOC removal efficiencies observed in wells UVB-1 and UVB-3 indicate the use of the larger blowers with higher airflow rates has increased the VOC stripping efficiency above the target value of 90 percent.

The stripping efficiencies in well UVB-2 were below the target value. During startup activities, ESC Engineering observed water entrainment in the air stripper off-gas from this well when the blower was operated without throttling the airflow rate. To reduce this water entrainment, the airflow rate through the stripper in well UVB-2 was throttled back, which likely accounts for the lower stripping efficiencies observed in this well. After these samples were collected, the well was retrofitted to prevent water from entering the vapor transfer piping. In doing so, the airflow rate through the stripper could be increased. After the pitot tubes were installed, the airflow rate in this well was set to 1,100 scfm at the blower. As described in the Full-Scale Design Report, groundwater influent and effluent samples will be collected from each well during the first three months of operation to evaluate the VOC removal efficiency of the air strippers. While these data are not yet available, they will be included in the monthly progress reports described in Section 6.3. ESC Engineering will also evaluate the possibility of installing demister pads between the top of the air stripping trays and the bottom of the vapor transfer lines to maximize air stripping efficiency without entraining water in the vapor stream.

4.4 Vapor Sampling Results

After all three UVB wells were balanced and the system had operated for a minimum of 24 hours, one set of vapor samples was collected for laboratory analysis using evacuated Summa canisters to verify effective treatment. One vapor sample was collected from the influent to primary carbon vessel VGAC-2A (sample port VSP-405), and vapor samples were also collected from the effluent of carbon vessels VGAC-1A (sample port VSP-402) and VGAC-2A (sample port VSP-406). The Summa canisters were equipped with regulators set to a flow rate of 100 milliliters per minute and the samples were collected over a minimum of 35 minutes. The samples were analyzed for VOCs by Method TO-15 by STL-Knoxville of Knoxville, Tennessee, within a standard 2-week turnaround timeframe. The analytical results for these samples can be found in Table 5, while laboratory analytical reports are included in Appendix F.

The total VOC concentration in the influent to the carbon was 3.78 parts per million by volume (19.3 milligrams per cubic meter). As anticipated, the carbon removed the majority of the VOCs from the vapor stream with the exception of vinyl chloride. The concentration of vinyl chloride in the carbon influent vapor sample (920 micrograms per cubic meter [$\mu\text{g}/\text{m}^3$]) was less than the estimated value of 1,400 $\mu\text{g}/\text{m}^3$ included in the evaluation of vinyl chloride

emissions in the Full-Scale Design Report. The model presented in the Full-Scale Design Report predicted the vinyl chloride emissions at the site would not exceed the AGC or SGC at any location at the estimated concentration of $1,400 \mu\text{g}/\text{m}^3$. Therefore, the vapor sampling data confirm that the vinyl chloride emission rate does not exceed the AGC and SGC.

While a low concentration of benzene was detected in the effluent from the primary carbon vessels, benzene has not been detected in groundwater samples near the IRM system. ESC Engineering verified these results with the laboratory, and suspects that the benzene concentrations are likely from the ambient air pulled into the air strippers. In particular, the air stripper from well UVB-2 is located near the Wantaugh Parkway. Research has demonstrated elevated benzene concentrations in ambient air near highways such as the Wantaugh.

5.0 Evaluation of Air Emissions

The full-scale IRM system is exempt from air permitting requirements as a trivial activity under 6 NYCRR Part 201-3.3(c)(29). However, to ensure operation of the IRM system will not negatively impact ambient air quality in the vicinity of the site, emission rates for VOCs were compared with the maximum AGCs and SGCs listed in the Guidelines (most recently updated in December 2003). As part of the Full-Scale Design Report, ESC Engineering completed an evaluation of potential ambient air quality impacts due to vinyl chloride emissions from operation of the IRM system and determined that the AGCs and SGCs would not be exceeded at any location. In addition, the Occupational Safety and Health Administration permissible exposure limit would not be exceeded at any location onsite (ESC Engineering 2004c). In addition, the results of baseline groundwater sampling indicate vinyl chloride concentrations in wells UVB-2 and UVB-3 are lower than anticipated, thereby further reducing the vinyl chloride emissions below the AGCs and SGCs.

Activated carbon is currently in place to remove VOCs from the vapor stream of the IRM system before the vapors are discharged to the atmosphere. Four 5,000-pound carbon units were installed to remove the VOCs. To determine whether continued use of carbon would provide a net benefit to the environment, ESC Engineering completed a cost-benefit analysis of using carbon to remove the remaining VOCs from the vapor stream. The results of this analysis are described in detail below.

To evaluate the potential ambient air quality impacts posed by VOCs other than vinyl chloride, ESC Engineering followed the same process used previously for vinyl chloride as described in Appendix B of the Guidelines. This process involves an initial conservative screening analysis using calculations to estimate emissions of ambient air contaminants. If the results of the screening level analysis indicate the AGCs or SGCs could be exceeded, site-specific modeling is required to refine the air quality impact analysis. The Guidelines strongly suggest using the Air Guide-1 computer program developed by the NYSDEC to complete this modeling.

5.1 Screening Level Analysis

Following the procedures for the Standard Point Source Method outlined in Appendix B of the Guidelines, ESC Engineering completed an ambient air quality impact screening analysis of the proposed full-scale system to determine if the AGC and SGC for compounds other than vinyl chloride could be exceeded. Assumptions used to complete the screening level analysis can be found in Table 6.

VGS does not own any of the properties to be used for the IRM system, and the full-scale IRM design includes UVB wells on the Ackerman and NYS Park Service properties. Therefore, for the purposes of this air quality impact analysis, the IRM site boundaries have been defined as the surrounding public roads and routes of access to the Ackerman and NYS Park Service properties: the railroad tracks to the north, Charlotte Avenue to the east, the Wantaugh Parkway to the west, and Duffy Avenue to the south (Figure 1).

To determine the actual VOC emission rates, ESC Engineering used the groundwater sampling data collected on July 16, 2004, to calculate the mass of VOCs removed by the air strippers (Table 7), and assumed that all of the VOC mass removed by the air strippers would be transferred to the vapor stream. ESC Engineering then calculated the potential combined VOC emission rate from all three air strippers if carbon were not used to treat the vapors. Based on these calculations, the total potential VOC mass emitted from the UVB system is estimated to be 1,563 pounds per year (lbs/yr). This emission rate will likely decrease over time as the circulation cells develop.

As previously demonstrated, vinyl chloride is not absorbed to any appreciable extent by activated carbon. Approximately 90 of the 1,563 pounds of VOCs potentially emitted per year are vinyl chloride. Therefore, the use of activated carbon could potentially remove only 1,474 pounds of VOCs from the vapor stream per year. It is important to note that the calculated annual vinyl chloride emissions based on actual data are less than those conservatively estimated for the Full-Scale Design Report (141 lbs/yr).

To determine whether ambient air quality impacts due to VOC emissions without vapor treatment would exceed the applicable AGCs or SGCs, ESC Engineering followed the Standard Point Source Method procedures listed in Appendix B of the Guidelines to calculate actual, potential, and short-term impacts. Site-specific data and assumptions used in the calculations are included in Table 6.

Calculations for each compound are included in Table 7. Based on this initial screening analysis, only concentrations of PCE, TCE, and vinyl chloride would exceed either the AGCs or SGCs.

5.2 Air Emissions Modeling

ESC Engineering then followed the protocol in Appendix B of the Guidelines to perform a “more precise and less conservative analysis” of the potential VOC impacts using the Air Guide-1 software program. The program consists of a comprehensive screening analysis of emissions using “enhanced” Appendix B procedures from the Guidelines. A refined analysis of the emissions is then performed using the input and output data and NYSDEC’s version of the EPA’s ISCLT2 model (version 93109). The model input and output data used for this analysis are included in Table 6 and Appendix G. ESC Engineering assumed that the meteorological conditions in Hicksville are similar to JFK Airport, the site has an urban classification, and that VOCs will not be removed from the vapor stream. The modeling results indicate that the AGCs and SGCs will not be exceeded for any compound at any location due to operation of the IRM system if vapor treatment is not included.

In addition to actual conditions, ESC Engineering used the ISCLT2 model to predict the maximum emission rate at which the AGCs would be exceeded at the site (Table 7). These loading rates were then used to calculate the corresponding average groundwater concentration in the air stripper influent that would cause the AGCs and SGCs to be exceeded. Assuming a 100 percent VOC removal efficiency, which is conservative, and no vapor treatment, the corresponding average groundwater concentrations per well for each compound ranged from 400 µg/l for vinyl chloride to 6,880 milligrams per liter for cis-1,2-DCE. Based on this analysis, only PCE or TCE could realistically trigger vapor treatment with carbon in the future. As shown in Table 7, the necessary groundwater concentrations for all other VOCs (except vinyl chloride) are orders of magnitude higher than those ever detected in groundwater samples associated with the site. The threshold concentration for vinyl chloride is 400 µg/l; however, activated carbon is not applicable for vinyl chloride. Therefore, if the average PCE or TCE groundwater concentrations from the three circulation wells exceed 3,600 or 1,800 µg/l, respectively, vapor treatment with activated carbon will be resumed. The routine system performance monitoring data (as described in Section 6.2 below) will be regularly compared to these values.

5.3 Air Emissions Controls

While the results of the modeling indicate that the AGC and SGC for all compounds will not be exceeded at any location, the Guidelines further state that contaminants that are classified HIGH toxicity and therefore have an “A” Environmental Rating, such as vinyl chloride and 1,1-DCE, should be controlled to the extent practicable. The Guidelines do not mention any specific control requirements for moderate to low toxicity compounds. The Guidelines also allow for the NYSDEC to consider a “no control” option if the emission rate is less than 0.1 lb/hr for each high toxicity compound. As shown in Table 7, the emission rate for 1,1-DCE is 0.00162 pounds per hour (lbs/hr; 14.2 lbs/yr), while the emission rate for vinyl chloride is 0.0103 lbs/hr (89.9 lbs/yr). These rates are approximately 62 and 10 times, respectively, below the threshold to consider a no control option for emissions of these compounds. The NYSDEC previously approved the “no control” option for vinyl chloride, and ESC Engineering requests that the NYSDEC approve the “no control” option for 1,1-DCE as well. As shown in Table 7, to exceed an emission rate of 0.1 lb/hr would require the concentrations of 1,1-DCE and vinyl chloride to each average 1,110 µg/l across the three circulation wells. Based on existing groundwater data upgradient of the IRM, this condition will not occur.

As previously described, activated carbon is currently in place to reduce the VOC emissions from the IRM groundwater system. ESC Engineering contacted Tetrasolv, a carbon supplier, to estimate carbon consumption rates for each individual compound (Table 7). If all of the VOCs except vinyl chloride were to be removed from the vapor stream, the carbon consumption rate would be approximately 141 pounds per day (lbs/day; 51,360 lbs/yr) to remove 1,474 pounds of VOCs per year at an approximate cost of \$93,600 per year (\$63.50 per pound of VOCs). Considering the facts that the VOC emission rates do not cause ambient air quality impacts in excess of the AGC or SGC for any compound, emissions of vinyl chloride and 1,1-DCE are 10 to 62 times less than 0.1 lb/hr threshold for consideration of no control, and significant energy and resources would need to be expended to regenerate more than 50,000 pounds of carbon annually, ESC Engineering concludes that VOC treatment is unwarranted and petitions the NYSDEC to approve the discontinuation of vapor treatment. Upon receiving the NYSDEC’s approval, ESC Engineering will discontinue use of the activated carbon once the existing carbon is spent. As described previously, the VTUs will remain onsite if the need for vapor treatment should arise in the future.

6.0 System Operation and Maintenance and Reporting

Operation and maintenance of the full-scale UVB system is critical to the success of this groundwater IRM. This section generally describes O&M tasks and performance monitoring. A detailed O&M plan for the site including manufacturer's cut sheets, a schedule for recommended routine maintenance activities, a system operation checklist, and electrical control wiring diagrams, will be provided to the NYSDEC under separate cover.

6.1 Routine Operation and Maintenance

ESC Engineering has contracted with an O&M firm to conduct biweekly routine site visits of the UVB system. During the site visits, subcontractor personnel inspect the equipment, perform routine maintenance as necessary, complete a checklist, and collect system performance data. The data collected include but are not limited to injection and extraction flow rates at each well, cumulative gallons of water treated, pressure differential measurements, vault vacuum, blower vacuum, and photoionization detector (PID) measurements of the vapor stream. Over time, the frequency of the site visits may be reduced.

6.2 Performance Monitoring

ESC Engineering will monitor the performance of the full-scale system through biweekly collection of data and periodic system sampling. In addition, ESC Engineering may elect to collect performance monitoring data on a weekly basis through remote monitoring of the system. Groundwater influent and treated effluent samples will be collected from each UVB well monthly for the first three months of operation, bimonthly for the first year of operation, and quarterly thereafter. The water samples will be analyzed for VOCs, including dichlorobenzenes, using EPA Method 8260B.

While the initial charge of carbon is in use, field vapor samples will be collected of the carbon influent, carbon midstream, and carbon effluent biweekly using clean Tedlar bags and a PID to determine carbon saturation. Once all 20,000 pounds of carbon are spent, the carbon will be properly disposed of offsite and vapor treatment will be discontinued. Field vapor samples of the combined off-gas from the air strippers will then be collected biweekly. A vapor sample of the combined off-gas will also be collected quarterly for laboratory analysis to confirm the

groundwater sampling results. These vapor samples will be analyzed for VOCs, including dichlorobenzenes, using method EPA Method TO-15.

Should the groundwater influent sampling results for PCE or TCE trigger the resumption of vapor treatment with carbon (as described in Section 5.2), then the field vapor sampling before, between, and after the carbon vessels will also resume. In this event, vapor samples of the carbon influent and combined carbon effluent will be collected quarterly for laboratory analysis.

As outlined in the Interim Groundwater Monitoring Plan for the site, groundwater samples will be collected on a semiannual basis in November and May from monitoring wells W-30-285, W-26-270, W-27-240, W-27-285, W-35-240, W-35-315, and W-35-380 to monitor the performance of the IRM system in the immediate vicinity of the UVB wells. The installation of downgradient performance monitoring wells will be incorporated into the Final Remedy for the site.

6.3 Reporting

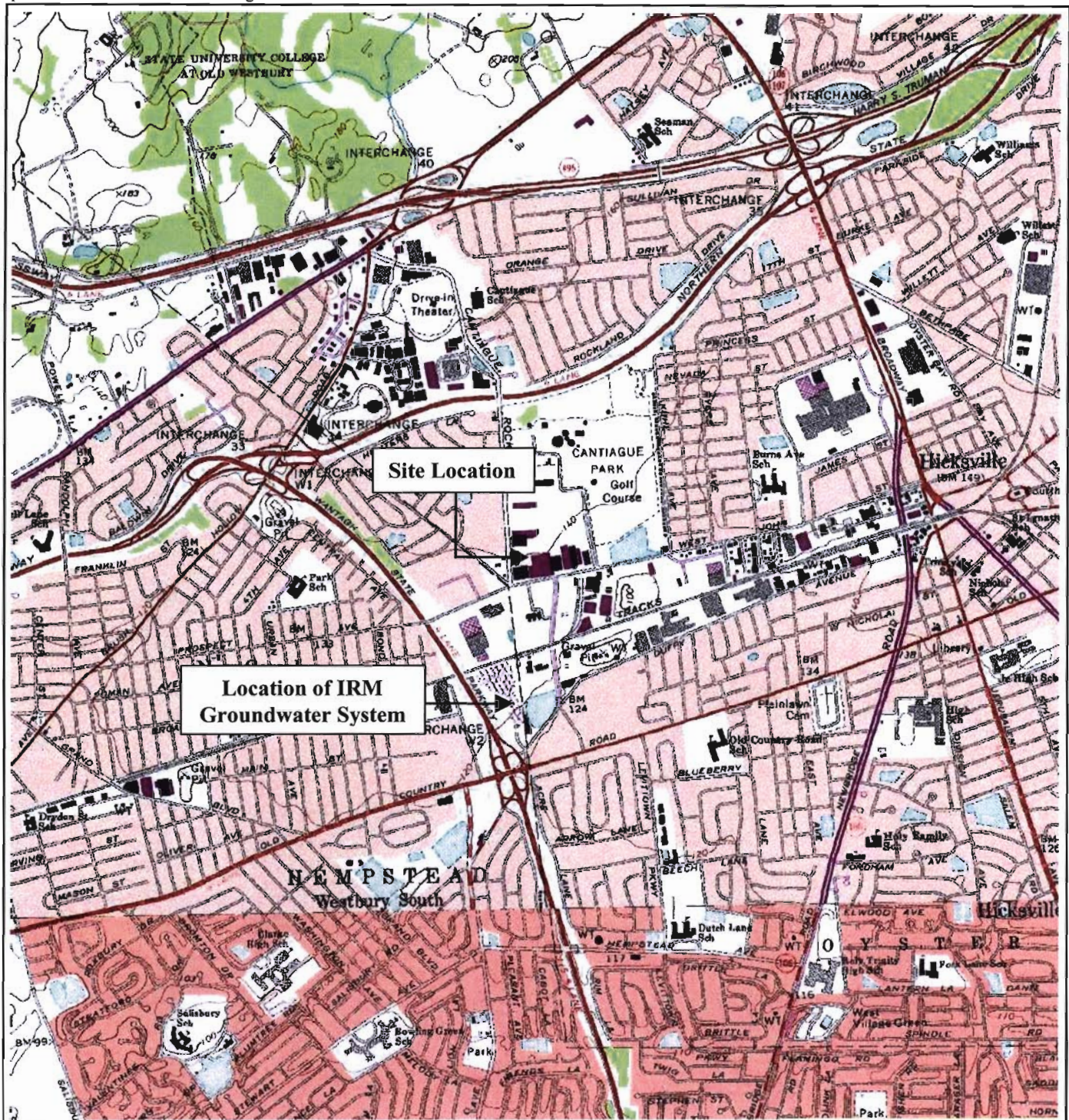
ESC Engineering will prepare brief performance monitoring reports monthly for the first three months of operation and bimonthly thereafter. After one year of operation, this frequency will be reduced to quarterly. The reports will include a log of system operation, system performance and analytical data collected during the reporting period, a summary of waste generated, and an estimate of the total mass of VOCs removed from the groundwater during operation. In addition, any problems encountered during the reporting period and modifications to the operation of the system will be noted.

Semiannual groundwater monitoring reports will be prepared in accordance with the site-wide Interim Groundwater Monitoring Plan. The semiannual groundwater monitoring report prepared for the November sampling events will also include an annual evaluation of the IRM system performance.

7.0 References

- ESC Engineering of New York, P.C. 2004a. June 2004 Semiannual Groundwater Monitoring Report, Former General Instrument Corporation Site, Hicksville, New York. September 10.
- ESC Engineering of New York, P.C. 2004b. Interim Groundwater Monitoring Plan, Former General Instrument Corporation Site, Hicksville, New York. June 3.
- ESC Engineering of New York, P.C. 2004c. Groundwater Interim Remedial Measure Operable Unit No. 2, Full-Scale Design Report, Groundwater Circulation Well System, Former General Instrument Corporation Site, Hicksville, New York. Revision No. 1. May 18.
- ESC Engineering of New York, P.C. 2003a. Groundwater Interim Remedial Measure, Operable Unit No. 2, Pilot Test Summary and Conceptual Full-Scale Design Report, Groundwater Circulation Well Technology, Former General Instrument Corporation Site, Hicksville, New York. September 19.
- ESC Engineering of New York, P.C. and Stearns & Wheeler, LLC. 2003b. Offsite Groundwater Investigation, Phase V, Summer 2002. Vishay General Semiconductor, Inc., Hicksville, New York. Revision No. 1, February 7.
- NYSDEC. 1991. DAR-1 Guidelines for the Control of Toxic Ambient Air Contaminants.

Figures

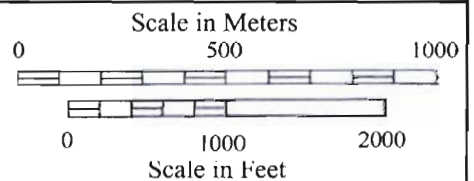


Reference

7.5 Minute Series Topographic Quadrangle
Hicksville, New York
Photorevised 1979 Scale 1:25,000 Metric



Quadrangle Location



ESC ENGINEERING OF NEW YORK, P.C.
9 ALBANY STREET
CAZENOVIA, NEW YORK 13035
(315) 655-3900

Figure 1
Site Location
Former General Instrument Corporation Site
Hicksville, New York

LEGEND

- FENCE LINE
- MONITORING WELL LOCATION
- UVB GROUNDWATER RECIRCULATION WELL LOCATION
- JUNE 2004 GROUNDWATER ELEVATION (SEE NOTES)
- AREA INTERPRETED AS POTENTIALLY AFFECTED BY OTHERS
- AREA INTERPRETED AS POTENTIALLY AFFECTED BY FACILITY AND OTHERS

- NOTES:
1. LOCATION OF MONITORING WELL W-24 IS APPROXIMATE.
 2. UVB - UNTERDRUCK-VERDAMPFER-BRUNNER
 3. POTENTOMETRIC SURFACE WAS DEVELOPED USING KRIGING.
 4. WIDTH OF ELLIPSES REPRESENT MAXIMUM SPACING OF CIRCULATION CELLS PERPENDICULAR TO GROUNDWATER FLOW TO PREVENT BREAKTHROUGH (350'). LENGTH OF ELLIPSES REPRESENT UPGRADIENT (179') AND DOWNGRADIENT (164') STAGNATION POINTS OF THE CIRCULATION CELL.

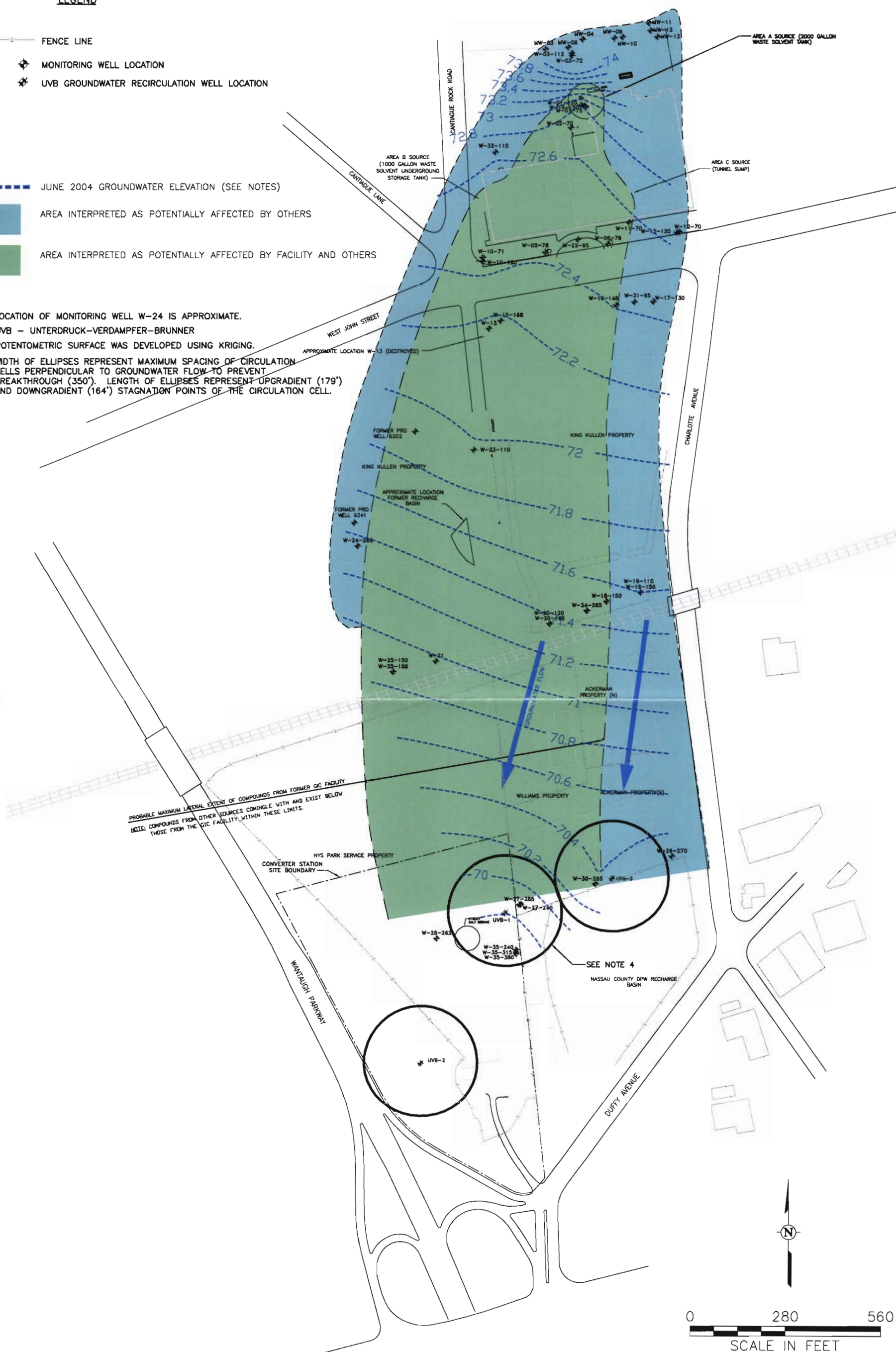


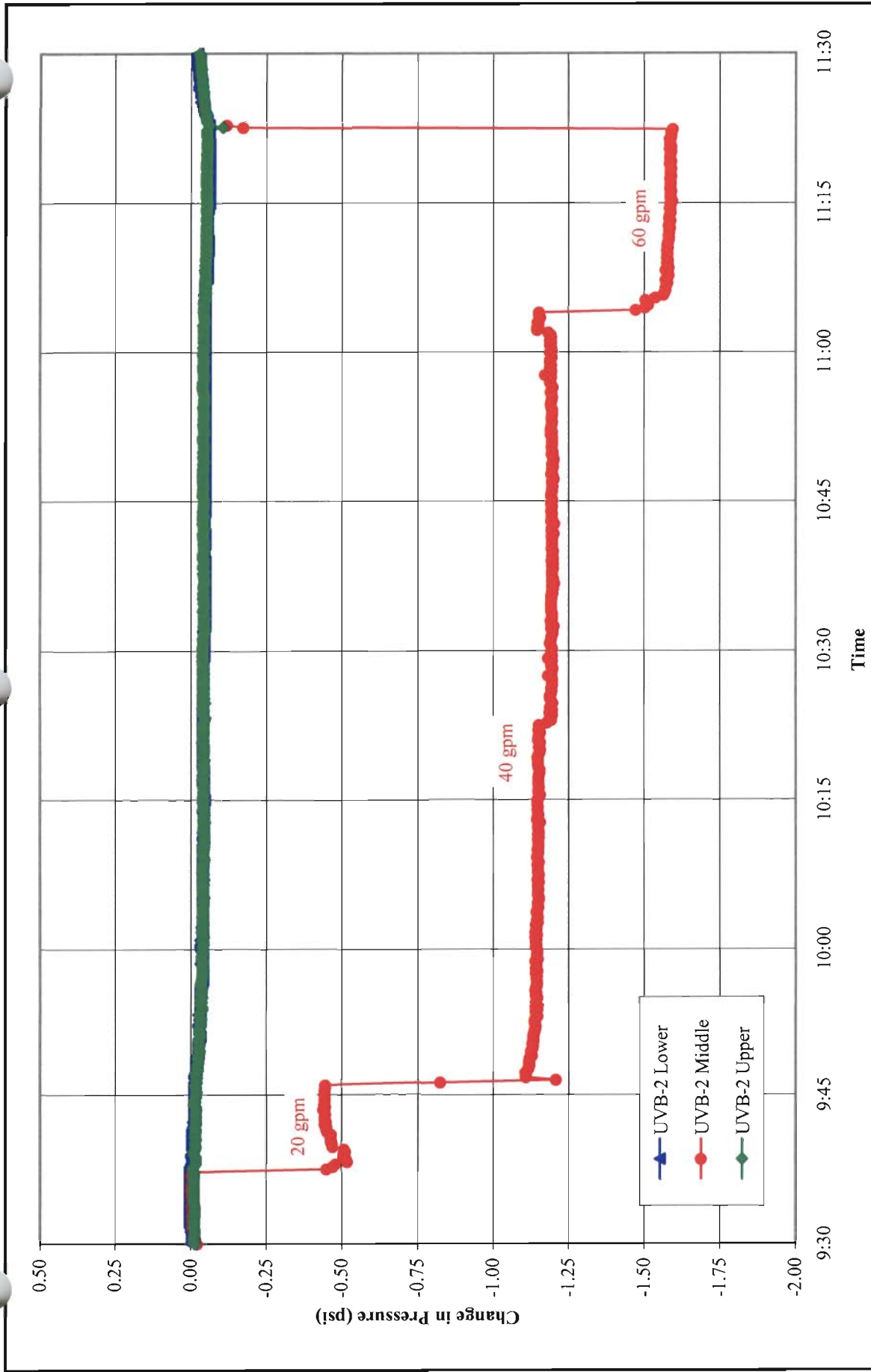
Figure 2

UVB WELL LOCATIONS AND
CURRENT PLUME INTERPRETATION

FORMER GENERAL INSTRUMENT
CORPORATION SITE
HICKSVILLE, NEW YORK
PREPARED FOR
LOWENSTEIN SANDLER, P.C.
ROSELAND, NEW JERSEY

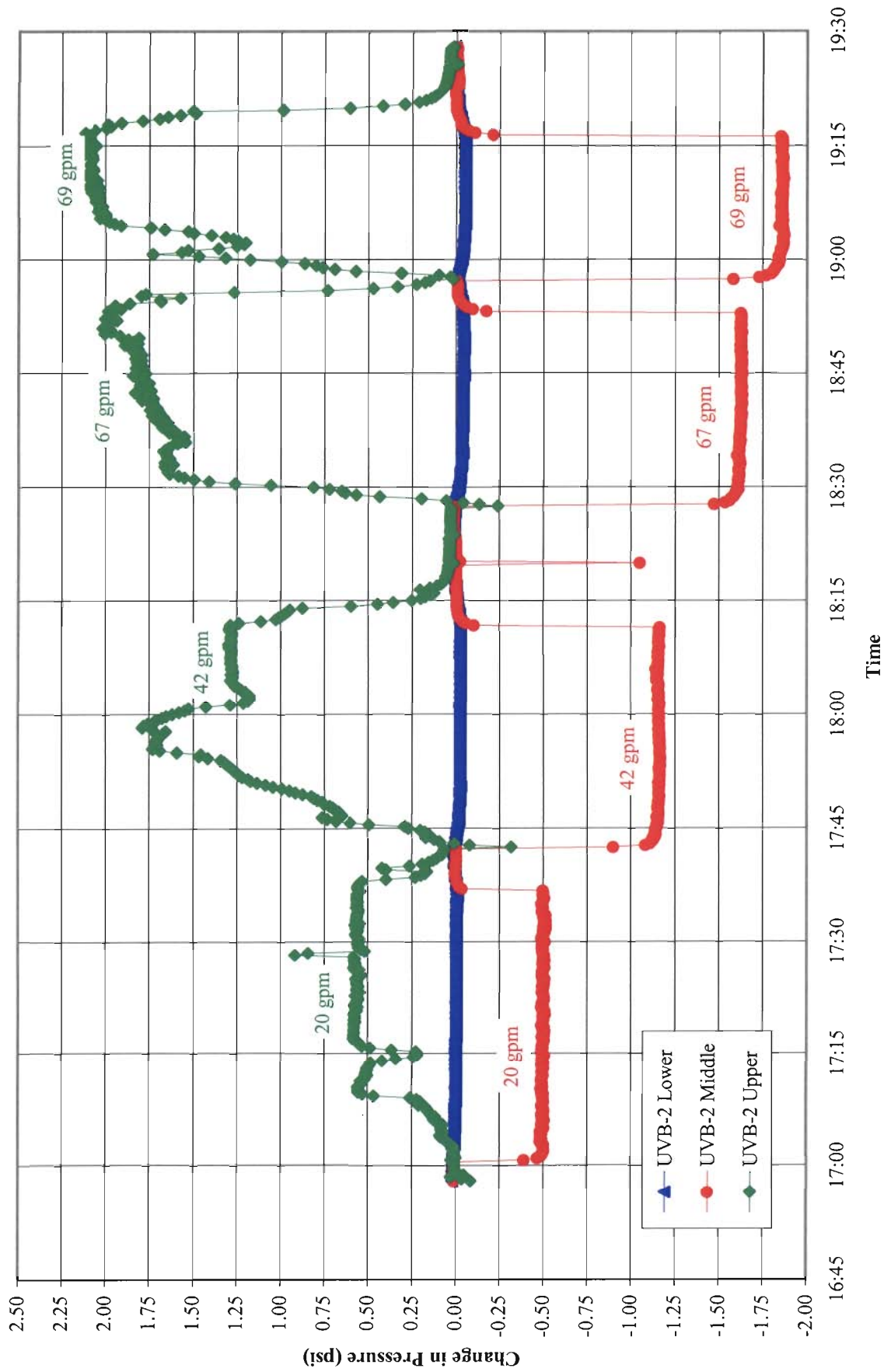
Drawn By: EGC
Checked:
Approved:
DWG Name: 14892779





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 (315) 655-3900

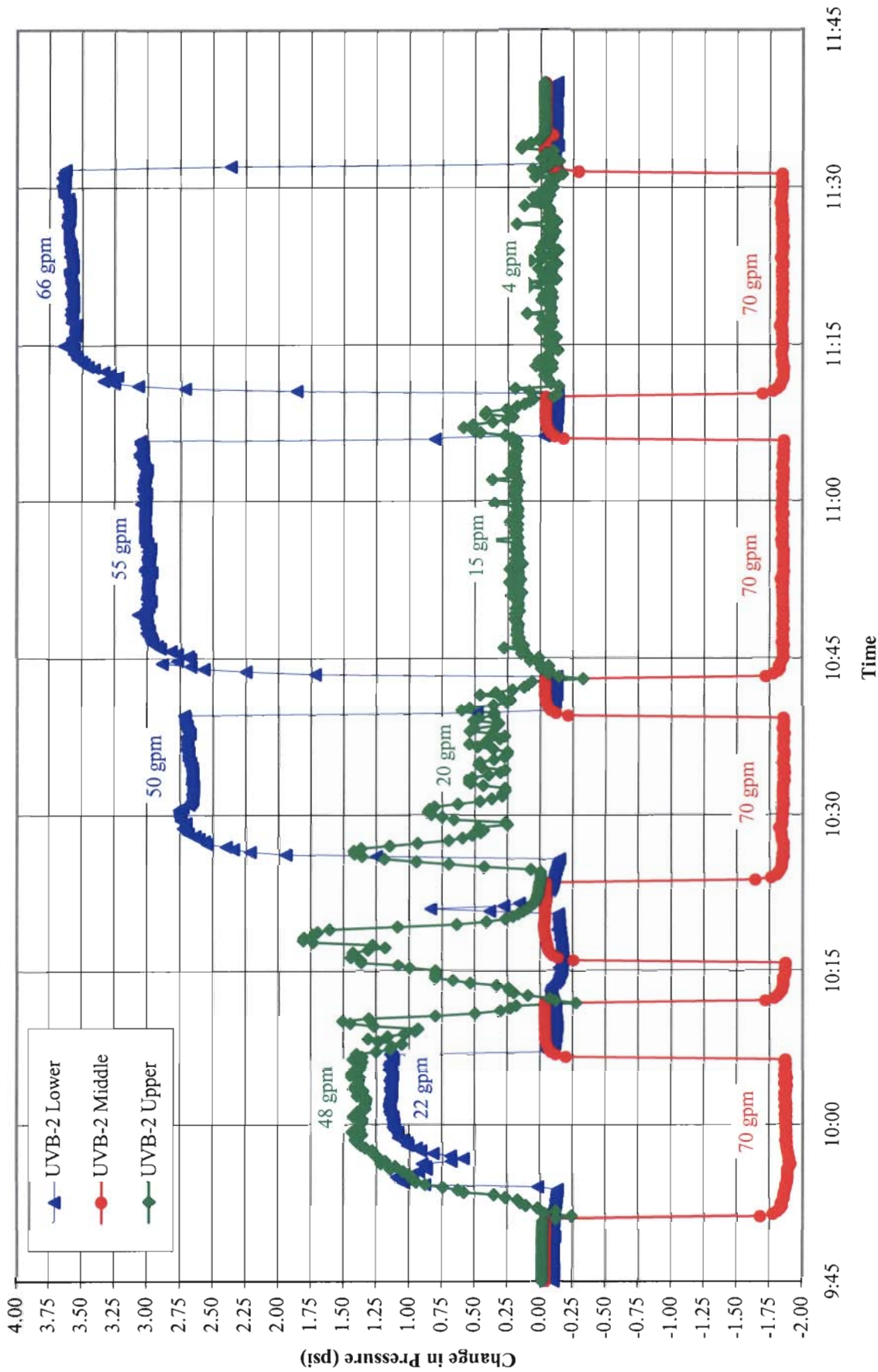
Figure 3
UVB-2 Pumping Test Results - Extraction Only
Former General Instrument Corporation Site
Hicksville, New York



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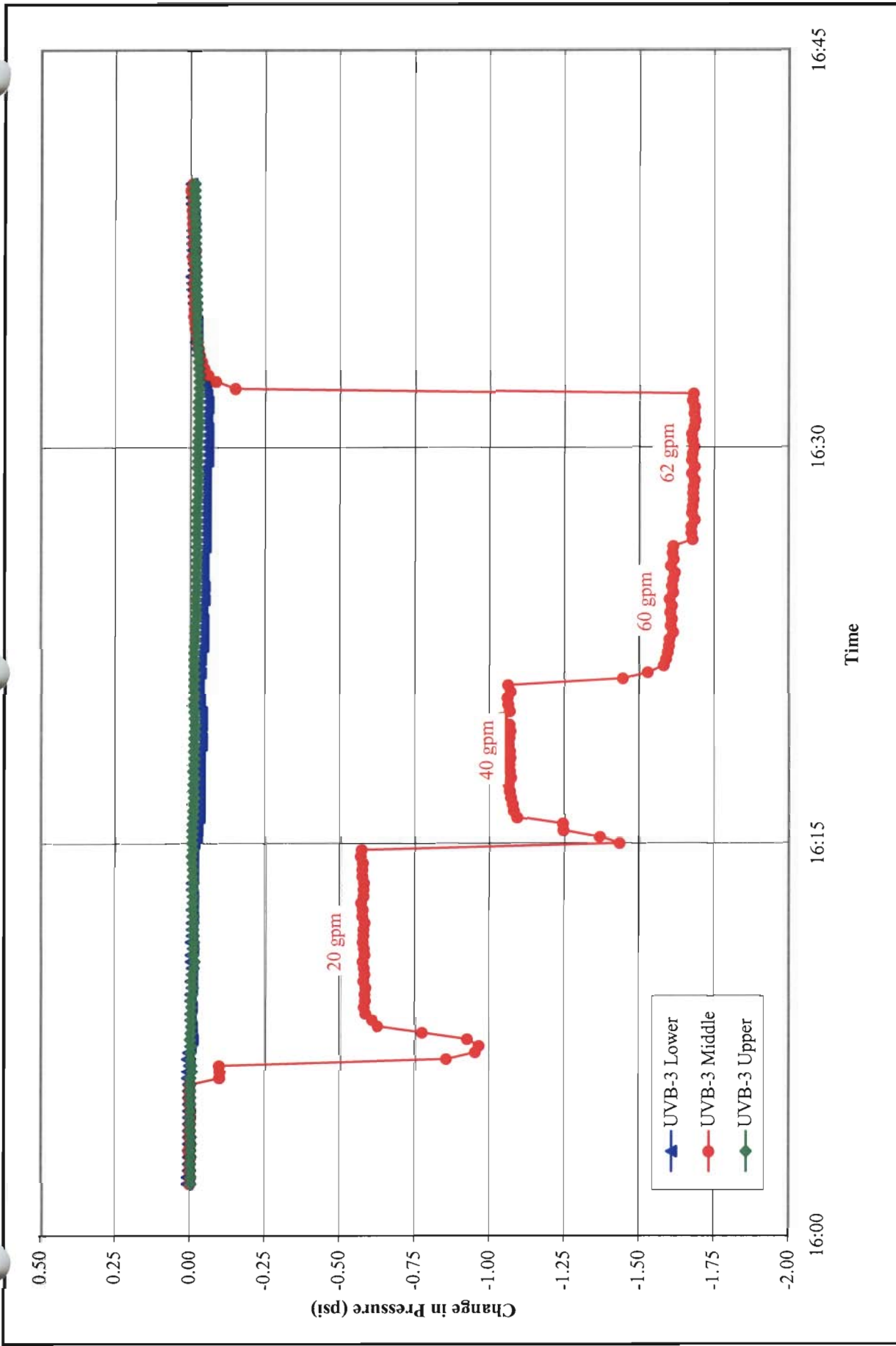
Figure 4
UVB-2 Pumping Test Results - Upper Injection Only
Former General Instrument Corporation Site
Hicksville, New York



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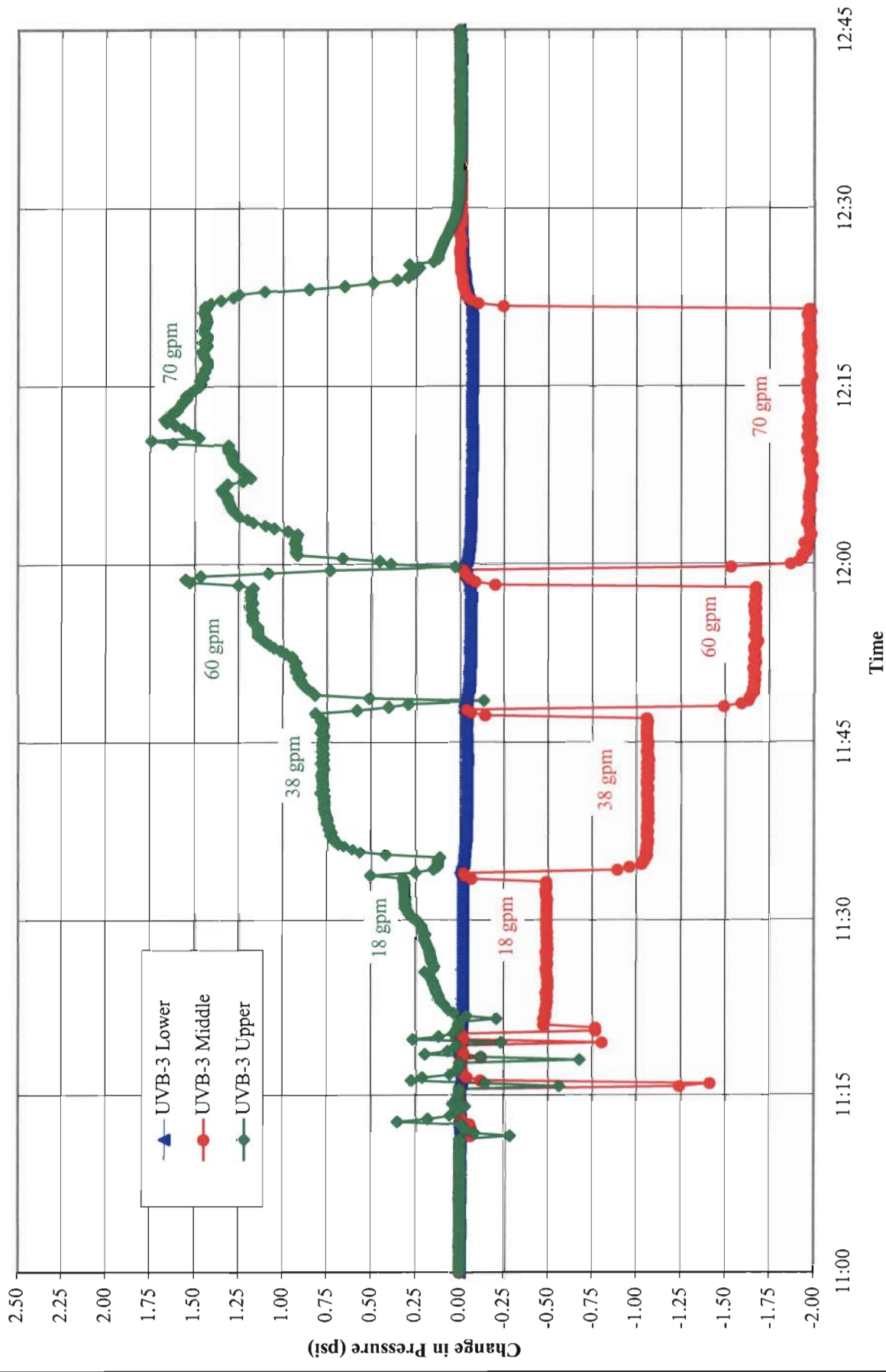
Figure 5
UVB-2 Pumping Test Results - Lower Injection Only
Former General Instrument Corporation Site
Hicksville, New York





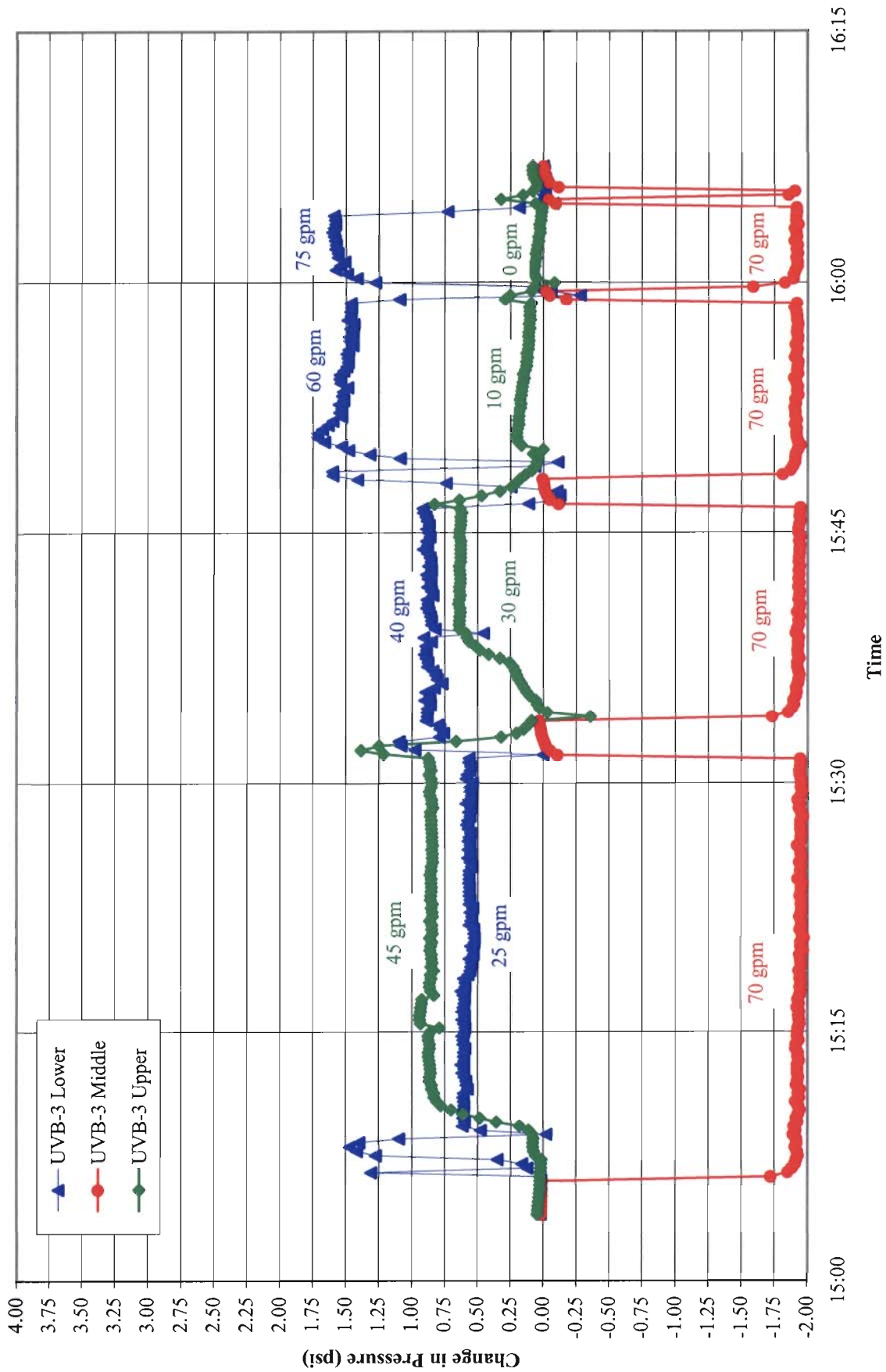
ESC ENGINEERING OF NEW YORK, P.C.
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Figure 6
UVB-3 Pumping Test Results - Extraction Only
Former General Instrument Corporation Site
Hicksville, New York



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 (315) 655-3900

Figure 7
UVB-3 Pumping Test Results - Upper Injection Only
Former General Instrument Corporation Site
Hicksville, New York



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CAZENOVIA, NEW YORK 13035
(315) 655-3900

Figure 8
UVB-3 Pumping Test Results - Lower Injection Only
Former General Instrument Corporation Site
Hicksville, New York

Tables

Table 1

Baseline Well and Groundwater Elevation Data - June 2004
Former General Instrument Corporation Site
Hicksville, New York

Well	Diameter (inches)	Screened Interval (feet bgs)	Ground Surface Elevation (Feet MSL)	Measuring Point Elevation (Feet MSL)	Depth to Water (feet bgs)	Total Depth (feet bgs)	Water Elevation (feet MSL)	Water Column (a) (feet)	Volume per Foot (gallons)	Purge Volume (gallons)
Monitoring Wells										
W-26-270	2	260-270	119.92	119.92	49.65	271.04	70.27	221.39	= 3 x 0.163	108.26
W-27-240	2	210-240	124.75	124.48	54.21	240.95	70.27	186.74	= 3 x 0.163	91.32
W-27-285	2	275-285	124.67	123.67	53.83	286.78	69.84	232.95	= 3 x 0.163	113.91
W-30-285	2	278-285	123.78	123.02	52.62	286.58	70.40	233.96	= 3 x 0.163	114.41
W-35-240	2	210-240	123.66	123.30	53.22	240.60	70.08	187.38	= 3 x 0.163	91.63
W-35-315	2	285-315	123.77	123.52	53.84	316.44	69.68	262.60	= 3 x 0.163	128.41
W-35-380	2	360-380	123.94	123.68	54.03	383.27	69.65	329.24	= 3 x 0.163	161.00
UVB-Wells (a)										
UVB-1-Upper	10	210-240	126.23	120.73	-	380.00	-			
UVB-1-Middle	10	285-315	126.23	120.73	-	380.00	-			
UVB-1-Lower	10	360-380	126.23	120.73	-	380.00	-			
UVB-2-Upper	10	210-240	122.29	115.29	47.18	380.00	68.11			2,195
UVB-2-Middle	10	285-315	122.29	115.29	-	380.00	-			
UVB-2-Lower	10	360-380	122.29	115.29	47.00	380.00	68.29			427
UVB-3-Upper	10	210-240	123.38	116.38	46.63	380.00	69.75			
UVB-3-Middle	10	285-315	123.38	116.38	-	380.00	-			
UVB-3-Lower	10	360-380	123.38	116.38	47.04	380.00	69.34			427

a/ Measuring point elevations for the UVB wells were assumed to be the located at the flange on the inner well casing at the bottom of the well vault. For well UVB-1, the flange was assumed to be 5.5 feet bgs, while for wells UVB-2 and UVB-3, the flange was assumed to be 7 feet bgs. Purge volumes were calculated based on water elevations and relevant packer elevation for the screened interval sampled.

b/ Purge volumes were not calculated for well UVB-1 and the extraction intervals of wells UVB-2 and UVB-3 because these intervals had been in operation at 60 to 70 gpm for several hours before they were sampled.

c/ Depth to water level measurement for the lower screened interval of well UVB-2 was assumed to be 47 feet bgs.

Table 4

**Baseline Groundwater Sampling Results
Former General Instrument Corporation Site
Hicksville, New York (a)**

Sample ID: Sample Date: Screened Interval (feet bgs):	W-26-270 6/11/04 260-270	W-27-240 6/10/04 210-240	W-27-285 6/10/04 275-285	W-30-285 6/11/04 275-285	W-35-240 6/10/04 210-240	W-35-315 6/11/04 285-315	W-35-380 6/10/04 360-380	Trip Blank 2 6/10/04 NA
Volatile Organic Compounds								
Acetone	200 U	50 U	50 U	200 U	20 U	100 U	20 U	10 U
1,2-Dichlorobenzene	28 J	39	190	70 J	20	240	10 U	5 U
1,1-Dichloroethane	100 U	25 U	25 U	100 U	10 U	50 U	10 U	5 U
1,1,1-Dichloroethylene	100 U	15 J	25 U	100 U	11	50 U	10 U	5 U
cis-1,2-Dichloroethylene	100 U	330	390	150	130	660	210	5 U
trans-1,2-Dichloroethene	100 U	5 J	5 J	100 U	2 J	50 U	10 U	5 U
Tetrachloroethylene	2,100	78	630	2,000	42	1,300	40	5 U
Toluene	100 U	25 U	25 U	100 U	10 U	50 U	10 U	5 U
1,1,1-Trichloroethane	100 U	25 U	25 U	100 U	10 U	50 U	10 U	5 U
Trichloroethylene	17 J	420	150	140	200	380	65	5 U
Vinyl chloride	100 U	51	69	23 J	35	140	5 J	5 U
Total (b):	2,145	938	1,434	2,383	440	2,720	320	ND

Table 2

**Baseline Groundwater Sampling Results
Former General Instrument Corporation Site
Hicksville, New York (a)**

Sample ID: Sample Date: Screened Interval (feet bgs):	UVB-2-240 6/26/04 210-240	UVB-2-380 6/25/04 360-380	UVB-3-380 6/27/04 360-380	Trip Blank 6/25/04 NA
Volatile Organic Compounds				
Acetone	8 J	10 U	200 U	10 U
1,2-Dichlorobenzene	5 U	5 U	100 U	5 U
1,1-Dichloroethane	5 U	2 J	100 U	5 U
1,1-Dichloroethylene	12	10	100 U	5 U
cis-1,2-Dichloroethylene	15	14	45 J	5 U
trans-1,2-Dichloroethene	5 U	5 U	100 U	5 U
Tetrachloroethylene	7	7	1,600	5 U
Toluene	2 J	5 U	100 U	5 U
1,1,1-Trichloroethane	18	13	100 U	5 U
Trichloroethylene	44	51	57 J	5 U
Vinyl chloride	5 U	5 U	100 U	5 U
Total (b):	106	97	1,702	NA

a/ All units in micrograms per liter (µg/l) unless otherwise noted. Only compounds detected above reporting limits are included on this table (refer to Appendix A and the June 2004 Semiannual Groundwater Monitoring Report for laboratory analytical reports). NA = not analyzed; J = estimated concentration below reporting limit; U = compound not detected at or above the reporting limit

b/ Total VOCs does not include compounds not detected above reporting limits and acetone, methylene chloride, and 2-butanone in cases where the compound was also detected in a laboratory blank.

Table 3

Air Stripper VOC Removal Efficiency Sampling Results
Former General Instrument Corporation Site
Hicksville, New York (a)

Sample ID: Sample Date: Water Flow Rate (gpm): Screened Interval (feet bgs):	UVB-1-IN 7/16/04 63 285-315	UVB-1-OUT 7/16/04 63 285-315	Trip Blank 7/15/04 NA NA	VOC Removal Efficiency	UVB-1-IN 7/16/04 44 285-315	UVB-1-OUT 7/16/04 44 285-315	VOC Removal Efficiency
Volatile Organic Compounds							
Acetone	200 U	6 J	8 J		200 U	10 U	
Benzene	100 U	5 U	5 U		100 U	5 U	
1,2-Dichlorobenzene	170	33	5 U	81%	190	18	91%
1,1-Dichloroethane	100 U	5 U	5 U		100 U	5 U	
1,1-Dichloroethylene	33 J	5 U	5 U		23 J	5 U	
cis-1,2-Dichloroethylene	1,700	130	5 U	92%	1,900	66	97%
Tetrachloroethylene	550	14	5 U	97%	490	8	98%
Toluene	12 J	5 U	5 U		12 J	5 U	
1,1,1-Trichloroethane	100 U	5 U	5 U		100 U	5 U	
Trichloroethylene	310	13	5 U	96%	320	7	98%
Vinyl chloride	270	3 J	5 U	99%	230	2 J	99%
Total (b):	3,045	193	8.6 J	94%	3,165	101	97%
Metals							
Iron (Total)	NA	NA	NA	-	NA	NA	-
Iron (Dissolved)	NA	NA	NA	-	NA	NA	-
General Chemistry and Biological Parameters (mg/l)							
Alkalinity (as CaCO ₃)	NA	NA	NA	-	NA	NA	-
Hardness (as CaCO ₃)	NA	NA	NA	-	NA	NA	-
pH	NA	NA	NA	-	NA	NA	-
Total Bacteria Count (c)	NA	NA	NA	-	NA	NA	-
Presence of Iron Bacteria	NA	NA	NA	-	NA	NA	-

Table 3

Air Stripper VOC Removal Efficiency Sampling Results
Former General Instrument Corporation Site
Hicksville, New York (a)

Sample ID: Sample Date: Water Flow Rate (gpm): Screened Interval (feet bgs):	UVB-2-IN 7/15/04 70 285-315	UVB-2-IN2 7/15/04 70 285-315	UVB-2-OUT 7/15/04 70 285-315	VOC Removal Efficiency	UVB-2-IN 7/16/04 60 285-315	UVB-2-OUT 7/16/04 60 285-315	VOC Removal Efficiency
Volatile Organic Compounds							
Acetone	100 U	100 U	20 U		50 U	10 U	
Benzene	50 U	50 U	10 U		25 U	5 U	
1,2-Dichlorobenzene	32 J	32 J	18	44%	32	12	63%
1,1-Dichloroethane	50 U	50 U	10 U		25 U	5 U	
1,1-Dichloroethylene	31 J	32 J	6 J		33	2 J	94%
cis-1,2-Dichloroethylene	820	840	310	63%	840	170	80%
Tetrachloroethylene	71	79	17	77%	78	9	88%
Toluene	6 J	7 J	10 U		3 J	5 U	
1,1,1-Trichloroethane	50 U	50 U	10 U		36	5 U	86%
Trichloroethylene	250	260	74	71%	300	40	87%
Vinyl chloride	110	120	17	85%	120	6	95%
Total (b):	1,320	1,370	442	67%	1,442	239	83%
Metals							
Iron (Total)	582	NA	NA	-	NA	NA	-
Iron (Dissolved)	339	NA	NA	-	NA	NA	-
General Chemistry and Biological Parameters (mg/l)							
Alkalinity (as CaCO ₃)	9.72	NA	NA	-	NA	NA	-
Hardness (as CaCO ₃)	38.4	NA	NA	-	NA	NA	-
pH	6.08	NA	NA	-	NA	NA	-
Total Bacteria Count (c)	239.0	NA	NA	-	NA	NA	-
Presence of Iron Bacteria	Positive	NA	NA	-	NA	NA	-

Table 3

Air Stripper VOC Removal Efficiency Sampling Results
Former General Instrument Corporation Site
Hicksville, New York (a)

Sample ID: Sample Date: Water Flow Rate (gpm): Screened Interval (feet bgs):	UVB-3-IN 7/16/04 70 285-315	UVB-3-OUT 7/16/04 70 285-315	VOC Removal Efficiency	UVB-3-IN 7/16/04 60 285-315	UVB-3-OUT 7/16/04 60 285-315	VOC Removal Efficiency
Volatile Organic Compounds						
Acetone	200 U	10 U		200 U	10 U	
Benzene	100 U	5 U		100 U	5 U	
1,2-Dichlorobenzene	54 J	17	69%	56 J	19	66%
1,1-Dichloroethane	100 U	5 U		100 U	5 U	
1,1-Dichloroethylene	100 U	5 U		100 U	5 U	
cis-1,2-Dichloroethylene	140	18	87%	140	20	86%
Tetrachloroethylene	1,700	120	93%	1,500	120	92%
Toluene	100 U	5 U		100 U	5 U	
1,1,1-Trichloroethane	100 U	5 U		100 U	5 U	
Trichloroethylene	170	14	92%	160	15	91%
Vinyl chloride	100 U	5 U		100 U	5 U	
Total (b):	2,064	169	92%	1,856	174	91%
Metals						
Iron (Total)	145 B	NA	-	NA	NA	-
Iron (Dissolved)	151 B	NA	-	NA	NA	-
General Chemistry and Biological Parameters (mg/l)						
Alkalinity (as CaCO ₃)	10.7	NA	-	NA	NA	-
Hardness (as CaCO ₃)	44.7	NA	-	NA	NA	-
pH	6.06	NA	-	NA	NA	-
Total Bacteria Count (c)	248.0 (d)	NA	-	NA	NA	-
Presence of Iron Bacteria	Positive (d)	NA	-	NA	NA	-

a/ All units in micrograms per liter (µg/l) unless otherwise noted. With the exception of benzene, only compounds detected above method detection limits are included on this table. Benzene was included to demonstrate that although it was detected in vapor samples collected during system startup activities, it was not detected in groundwater samples. NA = not analyzed; U = not detected above reporting limit; J = estimated result below reporting limits but above method detection limits.

b/ Total VOCs does not include compounds not detected above method detection limits, methylene chloride as it is a suspected laboratory contaminant, and acetone in cases where the compound was also detected in a laboratory blank.

c/ Units per milliliter. Due to a laboratory error, bacteria samples were recollected on 7/21/04.

d/ A duplicate sample labeled WSP-401 was also collected. The total bacteria count for the duplicate was 372.0 per ml and the presence of iron bacteria was positive.

Table 4

Historical Groundwater Monitoring and UVB Well Sampling Results
Former General Instrument Corporation Site
Hicksville, New York (a)

Well	Date	Total Dichlorobenzenes	Total 1,2-Dichloroethene	Tetrachloroethene	1,1,1- Trichloroethane	Trichloroethene	Vinyl Chloride	Total Xylenes	Other (b)	Total VOCs (c)
Monitoring Wells										
W-26-270	8/02 6/9/04	ND 28 J	ND ND	3,800 2,100	ND ND	58 J 17 J	ND ND	ND ND	22 JB ND	3,858 2,145
W-27-240	5/14/03 8/14/03 6/10/04	NA 85 39	707 540 335	200 95 78	ND ND ND	950 560 420	220 100 51	ND ND ND	39 27 15	2,116 1,407 938
W-27-285	8/02 5/14/03 8/14/03 6/10/04	ND NA 220 190	320 1,331 1,000 395	28 200 170 630	ND ND ND ND	120 530 320 150	44 220 180 69	7 J 30 J 15 J ND	37 J 27 J 17 J ND	554 2,338 1,922 1,434
W-28-262	8/02	ND	730	43	43	160	150	ND	125	1,247
W-30-285	8/02 6/11/04	ND 70 J	200 150	730 2,000	ND ND	120 140	47 23 J	ND ND	68 ND	1,160 2,383
W-35-240	5/13/03 6/10/04	NA 20	123 132	37 42	10 ND	150 200	77 35	ND ND	17 11	414 440
W-35-315	5/13/03 6/11/04	NA 240	2,247 660	280 1,300	ND ND	200 380	350 140	ND ND	ND ND	3,077 2,720
W-35-380	5/13/03 6/10/04	NA ND	35 210	170 40	ND ND	390 65	ND 5 J	ND ND	4 J ND	599 320

Table 4

Historical Groundwater Monitoring and UVB Well Sampling Results
Former General Instrument Corporation Site
Hicksville, New York (a)

Well	Date	Total Dichlorobenzenes	Total 1,2-Dichloroethene	Tetrachloroethene	1,1,1- Trichloroethane	Trichloroethene	Vinyl Chloride	Total Xylenes	Other (b)	Total VOCs (c)
UVB Wells (d)										
UVB-1-In	7/16/03	310	2,500	490	ND	320	360	ND	121 J	4,101
	7/23/03	280	3,100	400	ND	500	410	ND	ND	4,690
	7/30/03	220	1,900	260	ND	320	200	ND	95 J	2,918
	8/6/03	200	1,900	320	ND	460	170	ND	ND	3,050
	8/14/03	190	1,800	270	ND	400	210	ND	355 J	3,065
	10/29/03	140	1,000	210	ND	220	120	ND	23 J	1,704
	12/17/03	200	1,900	350	ND	380	190	ND	30 J	3,044
	2/18/04	170	1,400	420	ND	320	210	ND	25 J	2,545
	4/15/04	190	1,500	560	29 J	370	160	ND	28 J	2,808
	6/2/04	150	1,200	480	ND	280	140	ND	22 J	2,272
	7/16/04	170	1,700	550	ND	310	270	ND	45 J	3,045
	7/16/04	190	1,900	490	ND	320	230	ND	35 J	3,165
UVB-2-240	6/26/04	ND	15	7	18	44	ND	ND	22	106
UVB-2-In	7/15/04	32 J	840	79	ND	260	120	ND	39 J	1,370
	7/16/04	32	840	78	36	300	120	ND	36	1,406
UVB-2-380	6/25/04	ND	14	7	13	51	ND	ND	12	97
UVB-3-In	7/16/04	54 J	140	1,700	ND	170	ND	ND	ND	2,064
	7/16/04	56 J	140	1,500	ND	160	ND	ND	ND	1,856
UVB-3-380	6/27/04	ND	45 J	1,600	ND	57 J	ND	ND	ND	1,702

a/ All concentrations are in units of micrograms per liter (µg/l). Data compiled from reports provided to ESC Engineering by Stearns & Wheeler and data collected during the pilot test. If compounds were listed on the table but the result was blank, it was assumed to be below reporting limits. Only compounds detected above method reporting limits are included in this table; J = estimated concentration below reporting limit; B = compound also detected in a laboratory blank; NA = not analyzed; ND = compound not detected at or above reporting limit.

b/ Other includes acetone, benzene, carbon disulfide, carbon tetrachloride, chloroform, 1,1-dichloroethane, 1,1-dichloroethene, methylene chloride, and toluene.

c/ Total VOCs does not include acetone, methylene chloride, and 2-butanone in cases where these compounds were also detected in an associated laboratory blank.

d/ UVB-1-In, UVB-2-In, and UVB-3-In correspond to samples collected from the middle screened interval (extraction zone) of these wells before treatment through the air strippers.

Table 5

**System Startup Vapor Sampling Results
Former General Instrument Corporation Site
Hicksville, New York (a)**

Compound	Sample ID:			VSP-402		VSP-405		VSP-406	
	Sample Location:	Date Collected:	Dilution Factor:	VGAC-1A Effluent		VGAC-2A Influent		VGAC-2A Effluent	
Molecular Weight (g/mol)			Flow Rate:						
				(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)	(ppbv)	($\mu\text{g}/\text{m}^3$)
Volatile Organic Compounds									
Benzene	78.1			7.7	25	14 U	45 U	3.3	11
1,2-Dichlorobenzene	147.0			2.4 U	10 U	14 U	84 U	2.5 U	15 U
1,1-Dichloroethane	99.0			2.4 U	10 U	16	65	2.5 U	10 U
1,1-Dichloroethylene	96.9			2.4 U	10 U	53	210	2.5 U	10 U
cis-1,2-Dichloroethylene	97.0			2.4 U	10 U	1,400	5,600	2.5 U	10 U
Tetrachloroethylene	165.8			2.4 U	16 U	1,400	9,500	2.5 U	17 U
Toluene	92.1			2.4 U	9.0 U	14 U	53 U	2.5 U	9.0 U
1,1,1-Trichloroethane	133.4			2.4 U	13 U	32	170	2.5 U	14 U
Trichloroethylene	131.4			2.4 U	13 U	520	2,800	2.5 U	13 U
Vinyl Chloride	62.5			260	660	360	920	280	720
Total:				268	685	3,781	19,265	283	731

a/ With the exception of 1,2-dichlorobenzene and toluene, only compounds detected above reporting limits are included in this table. 1,2-dichlorobenzene and toluene were included because these compounds were detected in groundwater samples collected during system startup activities. U = not detected above reporting limit; ppbv = parts per billion by volume; mg/m³ = micrograms per cubic meter.

Table 6

**Emissions Screening, AG-1, and ISCLT2 Air Modeling Input Data
Former General Instrument Corporation Site
Hicksville, New York**

Parameter	Operation of Full-Scale System
Building Height (feet)	12
Height Above Structure (feet)	8
Stack Height (feet)	20
Internal Diameter (inches)	10
Exit Temperature (degrees Fahrenheit)	75
Exit Velocity (feet/second)	92
Exit Flowrate (scfm)	3,000
Shortest Distance from Building to Property Line (feet) (a)	635
Building Width (feet)	12
Building Length (feet)	60
Direction Building is Facing (degrees)	0
UTME (b)	622396
UTMN (b)	513078
Assumed Operational Efficiency	100%

a/ Distance from equipment exhaust to Charlotte Avenue to the east

b/ UTM = Universal Transverse Mercator coordinates (in meters)

Table 7

Ambient Air Quality Impacts Due to VOC Emissions - Groundwater IRM
Former GIC Site
Hicksville, New York

Prepared by: CDA **Date:** 09/16/2004
Checked by: JS **Date:** 09/20/2004

Objective:

Determine ambient air quality impacts due to VOC emissions based on stack height, design flow rate data, and sampling data for wells UVB-1, UVB-2, and UVB-3 of the IRM system at the former GIC site in Hicksville, New York.

Given:

Building Height (h_b) =	12	feet
Stack Height (h_s) =	20	feet
h_s/h_b =	1.67	
Stack Radius (R) =	5	inches
Stack Radius (R) =	0.417	feet
Stack Flow =	3,000	cfm
Stack Flow =	85	m ³ /min
Exit Velocity (V) =	91.7	feet/second
Temperature =	75	Degrees F
Temperature =	535	Degrees Rankine
Total Water Flow Rate =	180	gallons per minute
Total Water Flow Rate =	10,800	gallons per hour

Calculations for Ambient Air Quality Impacts:

Calculations are based on equations and procedures provided in Appendix B (Ambient Air Quality Impact Screening Analysis) to the New York State Department of Environmental Conservation's DAR-1 Guidelines for the Control of Toxic Ambient Air Contaminants.

Step 1: Evaluate building cavity impacts using basic cavity impact method.

From Section II.A.1.: Horizontal extent of cavity ($3h_b$) = 36 feet

Distance to nearest property line (D_{pl}) = 635 feet (estimated)

Because D_{pl} is greater than $3h_b$, building cavity impacts, if they occur, are confined to onsite receptors and do not need to be calculated.

Table 7

Ambient Air Quality Impacts Due to VOC Emissions - Groundwater IRM
Former GIC Site
Hicksville, New York

Step 2: Evaluate point source impacts using standard point source method.

From Section III.A.1: Stack is capped; therefore, there is no plume rise and effective stack height, h_e (feet) = h_s (feet).

$$\text{Buoyancy Flux Parameter (F)} = 0.2027 \text{ m}^4/\text{sec}^3$$

This parameter is insignificant for adjusting effective stack height given input and Air Guide formula.

From Section III.A.2.: Calculate maximum actual annual impact if there is no vapor treatment, C_a , using the following equation:

$$C_a (\mu\text{g}/\text{m}^3) = \frac{(6.0)(Q_a)(0.75)}{h_e^{2.25}} \quad (0.75 \text{ factor is for } 2.5 > h_s/h_0 > 1.5 \text{ from Section III.A.4.a})$$

where:

$$Q_a = \text{emission rate (lb/year)}$$

From Section III.A.3.: Calculate maximum potential annual impact if there is no vapor treatment, C_p , using the following equation:

$$C_p (\mu\text{g}/\text{m}^3) = \frac{(52,500)(Q_a)(0.75)}{h_e^{2.25}} \quad (0.75 \text{ factor is for } 2.5 > h_s/h_0 > 1.5 \text{ from Section III.A.4.a})$$

where:

$$Q_a = \text{emission rate (lb/hr)}$$

From Section III.A.5: Calculate maximum actual short-term impact, CST, using the following equation:

$$C_{ST} (\mu\text{g}/\text{m}^3) = (C_p)(65)$$

Calculate emission rate Q_a using recent groundwater sampling results for each UVB well.

Compound	Sample ID (a): CAS No.	UVB-1 IN	UVB-1 OUT	UVB2-IN	UVB2-OUT	UVB3-IN	UVB3-OUT	VOCs Removed by Air Strippers (µg/l)	Emission Rate, Q_a	
									(lb/hr)	(lb/day)
1,2-Dichlorobenzene	95-50-1	190	18	32	12	56 J	19	76	0.0069	0.165
1,1-Dichloroethylene	75-35-4	23 J	5 U	33	2 J	100 U	5 U	18	0.0016	0.0389
cis-1,2-Dichloroethylene	540-59-0	1,900	66	840	170	140	20	875	0.0787	1.89
Tetrachloroethylene	127-18-4	490	8	78	9	1,500	120	644	0.0579	1.39
Toluene	108-88-3	12 J	5 U	3 J	5 U	100 U	5 U	5	0.0005	0.0108
1,1,1-Trichloroethane	71-55-6	100 U	5 U	36	5 U	100 U	5 U	12	0.0011	0.0259
Trichloroethylene	79-01-6	320	7	300	40	160	15	239	0.0215	0.517
Vinyl Chloride	75-01-4	230	2 J	120	6	100 U	5 U	114	0.0103	0.246
Total (a):	3,165	101		1,442	239	1,856	174	1,983	0.178	4.28
Total (without vinyl chloride):	2,935	99		1,322	233	1,756	169	1,869	0.168	4.04
										1,563
										1,474

Table 7

Ambient Air Quality Impacts Due to VOC Emissions - Groundwater IRM
Former GIC Site
Hicksville, New York

Calculate C_a , C_p , C_{ST} , maximum ambient air quality impact based on ISCLT2 modeling, and carbon consumption rate per compound.

Compound	C_a (b) $\mu\text{g}/\text{m}^3$	C_p $\mu\text{g}/\text{m}^3$	C_{ST} $\mu\text{g}/\text{m}^3$	AGC $\mu\text{g}/\text{m}^3$	SGC $\mu\text{g}/\text{m}^3$	Toxicity Rating	Maximum Concentration ($\mu\text{g}/\text{m}^3$) (c)	Carbon Consumption Rate (d) (lbs carbon/lbs VOCs)	GAC Consumed	
									(lb/day)	(lb/yr)
1,2-Dichlorobenzene	0.320	0.320	20.8	360	30,000	Moderate	0.0211	4.16	0.685	250
1,1-Dichloroethylene	0.0755	0.0754	4.90	70	NA	High	0.0050	455	17.7	6,457
cis-1,2-Dichloroethylene	3.67	3.66	238	1,900	NA	Moderate	0.241	52.8	99.8	36,433
Tetrachloroethylene	2.70	2.70	175	1.0	1,000	Moderate	0.177	5.6	7.76	2,831
Toluene	0.0210	0.0209	1.36	400	37,000	Low	0.0014	68.9	0.745	272
1,1,1-Trichloroethane	0.0503	0.0503	3.27	1,000	68,000	Low	0.0033	131	3.39	1,237
Trichloroethylene	1.00	1.00	65.2	0.5	54,000	Moderate	0.0659	20.6	10.6	3,881
Vinyl Chloride	0.478	0.478	31.0	0.11	180,000	High	0.0316	52,632	12,960	4,730,480
Total (without vinyl chloride):								NA	141	51,360
Total carbon replacement events and costs per year (without vinyl chloride) (e):								5.2	\$93,600	

a/ Samples collected on 7/16/04. See Table 3 for additional details.

b/ Concentrations in bold exceed either the AGC or SGC.

c/ Maximum ambient air quality impact based on ISCLT2 modeling results.

d/ Carbon consumption rates provided by media supplier.

e/ Assumes the carbon in each primary 5,000-pound vessel will be replaced per event (10,000 pounds total per event). Each event costs approximately \$18,000.

Table 7

**Ambient Air Quality Impacts Due to VOC Emissions - Groundwater IRM
Former GIC Site
Hicksville, New York**

Additional calculations:

Determine maximum allowable groundwater concentrations for no control option for 1,1-DCE and vinyl chloride (HIGH toxicity compounds):

Operational time = 8,760 hrs/yr

Maximum compound emission rate = 0.1 lbs/hr

Assumed VOC removal efficiency = 100 percent (100% assumed to be conservative; actual stripping efficiency will be lower)

Maximum total air stripper loading rate = 0.100 lbs/hr

Maximum average air stripper loading rate per well = 0.033 lbs/hr

Water flow rate per well = 60 gpm

Water flow rate per well = 3,600 gph

Maximum average groundwater concentration per well = 9.3E-06 lbs/gal

Maximum average groundwater concentration per well = 1,110 µg/l

Therefore, if the average concentration of 1,1-DCE and vinyl chloride exceed 1,110 µg/l in each well, the maximum air emission rate will be exceeded.

Calculations to determine maximum allowable VOC groundwater concentration to prevent exceeding AGC, assuming 8,760 hours of operation per year:

Compound	Maximum Emission Rate (lbs/hr) (a)	Stripping Efficiency (b)	Maximum Air Stripper Loading Rate (lbs/hr)		Flow Rate Per Well		Concentration Per Well	
			Total	Average Per Well	(gpm)	(gph)	(lbs/gal)	(µg/l)
1,2-Dichlorobenzene	118	100%	118	39.2	60	3,600	0.010880	1,303,800
1,1-Dichloroethylene	22.8	100%	22.8	7.60	60	3,600	0.002111	253,000
cis-1,2-Dichloroethylene	620	100%	620	207	60	3,600	0.057407	6,879,800
Tetrachloroethylene	0.327	100%	0.327	0.109	60	3,600	0.000030	3,600
Toluene	131	100%	131	43.5	60	3,600	0.012083	1,448,100
1,1,1-Trichloroethane	326	100%	326	109	60	3,600	0.030185	3,617,400
Trichloroethylene	0.163	100%	0.163	0.054	60	3,600	0.000015	1,800
Vinyl Chloride	0.0359	100%	0.0359	0.0120	60	3,600	0.000003	400

a/ Back-calculated using site-specific parameters and the ISCLT2 model.

b/ Air stripping efficiency of 100% assumed to be conservative; actual stripping efficiencies will be lower.

Appendix A – Photographs



Photograph 1: Compacting subgrade for building foundation.



Photograph 2: Excavating around steel casing for well UVB-3



Photograph 3: Installing vapor transfer line and electrical conduits from well UVB-2.



Photograph 4: Installation of condensate collection points.



Photograph 5: Compacting backfill over piping.



Photograph 6: Compacting fill around well UVB-3.



Photograph 7: Threading transducer cables through the packers.



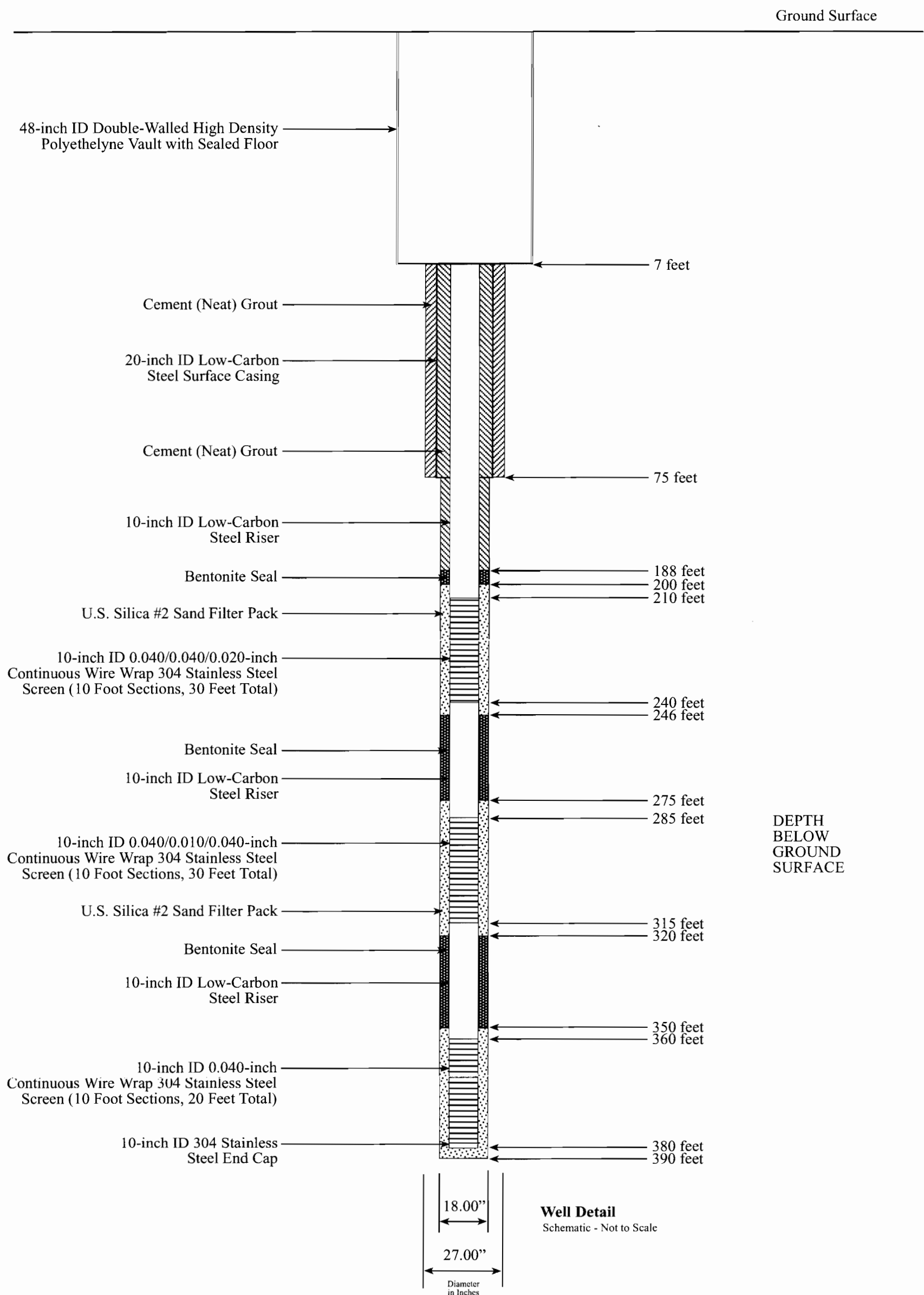
Photograph 8: Centrifugal blowers in equipment building.



Photograph 9: Equipment building and exhaust stack.

Appendix B – Well Construction Diagrams

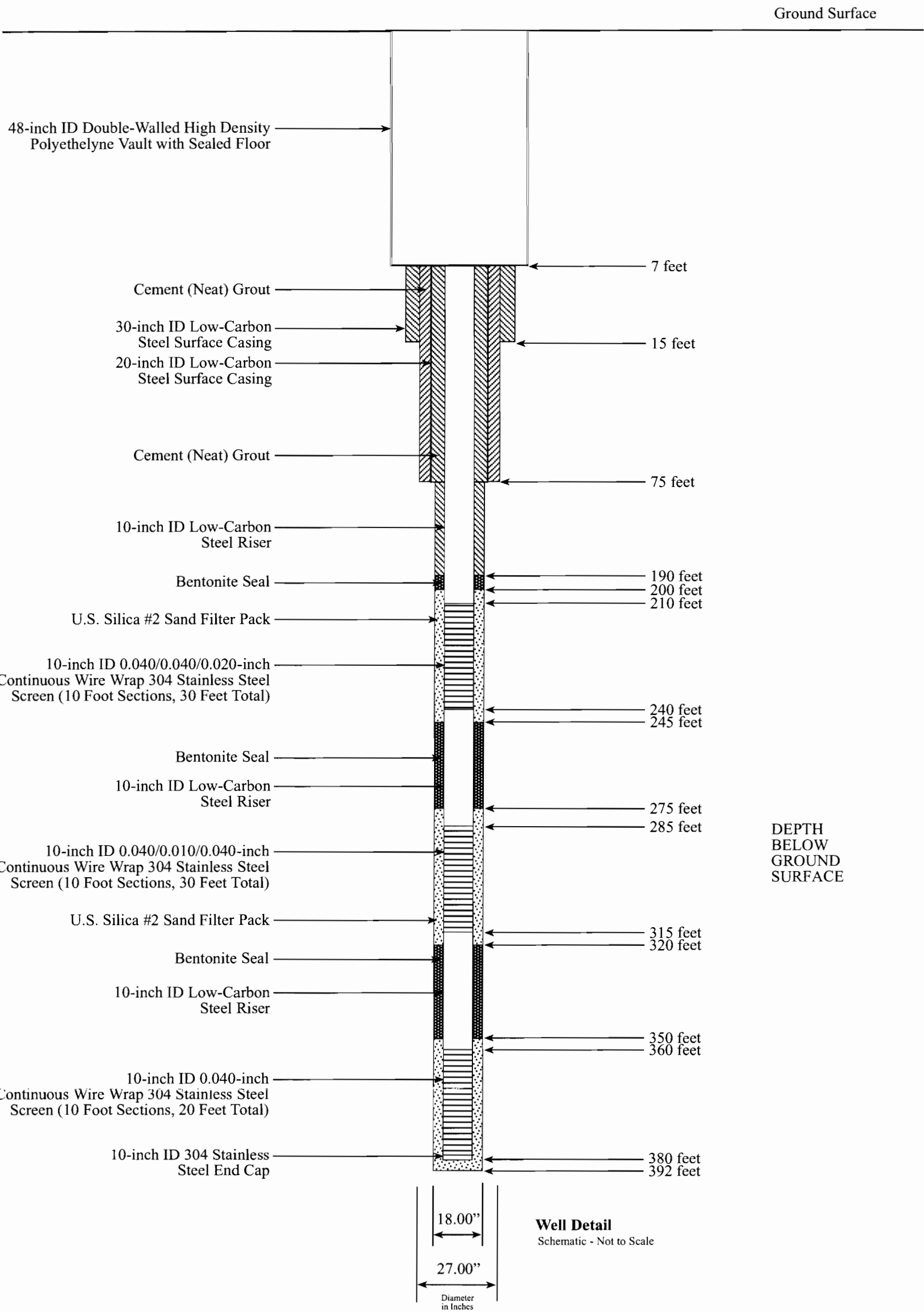
Site Name: Former General Instrument Corporation Site
Location: Hicksville, New York
Date: April 28, 2004



ESC ENGINEERING OF NEW YORK, P.C.
9 ALBANY STREET
CAZENOVIA, NEW YORK 13035
(315) 655-3900

As-Built Construction Diagram for UVB-2
Former General Instrument Corporation Site
Hicksville, New York

Site Name: Former General Instrument Corporation Site
Location: Hicksville, New York
Date: May 25, 2004



ESC ENGINEERING OF NEW YORK, P.C.
9 ALBANY STREET
CAZENOVIA, NEW YORK 13035
(315) 655-3900

As-Built Construction Diagram for UVB-3
Former General Instrument Corporation Site
Hicksville, New York

Appendix C - Baseline Groundwater Sampling Laboratory Reports

Date: 07/19/2004

Project Description....: Hicksville Site

Page 1

Job Number: 206997			LABORATORY TEST RESULTS			Date: 07/19/2004		
CUSTOMER: ENVIRONMENTAL STRATEGIES CONSULTING LLC			PROJECT: HICKSVILLE SITE			ATTN: Leslie Sherburne		

Customer Sample ID: TRIP BLANK

Date Sampled.....: 06/25/2004

Time Sampled.....: 00:00

Sample Matrix.....: Water

Laboratory Sample ID: 206997-1

Date Received.....: 06/29/2004

Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)	ND	U	1	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	Chloromethane	ND	U	0.6	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	Vinyl chloride	ND	U	3	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	Bromomethane	ND	U	2	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	Chloroethane	ND	U	0.8	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	1,1-Dichloroethene	ND	U	0.4	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	Carbon disulfide	ND	U	2	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	Acetone	ND	U	2	10	1.00000	ug/L	35076		07/09/04 1455	jdw
	Methylene chloride	ND	U	0.6	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	trans-1,2-Dichloroethene	ND	U	0.5	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	1,1-Dichloroethane	ND	U	0.4	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	Vinyl acetate	ND	U	2	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	cis-1,2-Dichloroethene	ND	U	0.7	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	2-Butanone (MEK)	ND	U	2	10	1.00000	ug/L	35076		07/09/04 1455	jdw
	Chloroform	ND	U	0.6	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	1,1,1-Trichloroethane	ND	U	0.9	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	Carbon tetrachloride	ND	U	0.6	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	Benzene	ND	U	0.5	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	1,2-Dichloroethane	ND	U	0.6	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	Trichloroethene	ND	U	0.8	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	1,2-Dichloropropane	ND	U	0.7	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	Bromodichloromethane	ND	U	0.7	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	cis-1,3-Dichloropropene	ND	U	0.4	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	4-Methyl-2-pentanone (MIBK)	ND	U	0.9	10	1.00000	ug/L	35076		07/09/04 1455	jdw
	Toluene	ND	U	0.4	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	trans-1,3-Dichloropropene	ND	U	0.8	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	1,1,2-Trichloroethane	ND	U	0.8	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	Tetrachloroethene	ND	U	0.4	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	2-Hexanone	ND	U	0.7	10	1.00000	ug/L	35076		07/09/04 1455	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 206997

Date: 07/19/2004

CLIENT: ENVIRONMENTAL STRATEGIES CONSULTING LLC

PROJECT: HICKSVILLE SITE

ATTN: Leslie Sherburne

Customer Sample ID: TRIP BLANK
Date Sampled.....: 06/25/2004
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 206997-1
Date Received.....: 06/29/2004
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U	0.5	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	Chlorobenzene	ND	U	0.5	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	Ethylbenzene	ND	U	0.5	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	Styrene	ND	U	0.7	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	Bromoform	ND	U	0.8	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	1,1,2,2-Tetrachloroethane	ND	U	0.7	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	Xylenes (total)	ND	U	0.9	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	1,3-Dichlorobenzene	ND	U	0.8	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	1,4-Dichlorobenzene	ND	U	0.4	5	1.00000	ug/L	35076		07/09/04 1455	jdw
	1,2-Dichlorobenzene	ND	U	0.9	5	1.00000	ug/L	35076		07/09/04 1455	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 206997

Date: 07/19/2004

CLIENT: ENVIRONMENTAL STRATEGIES CONSULTING LLC

PROJECT: HICKSVILLE SITE

ATTN: Leslie Sherburne

Customer Sample ID: UVB-2-380
 Date Sampled.....: 06/25/2004
 Time Sampled.....: 17:55
 Sample Matrix.....: Water

Laboratory Sample ID: 206997-2
 Date Received.....: 06/29/2004
 Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)										
	Chloromethane	ND	U	1	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	Vinyl chloride	ND	U	0.6	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	Bromomethane	ND	U	3	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	Chloroethane	ND	U	2	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	1,1-Dichloroethane	10		0.8	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	Carbon disulfide	ND	U	0.4	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	Acetone	ND	U	2	10	1.00000	ug/L	35076		07/09/04 0803	jdw
	Methylene chloride	ND	U	0.6	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	trans-1,2-Dichloroethene	ND	U	0.5	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	1,1-Dichloroethane	2	J	0.4	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	Vinyl acetate	ND	U	2	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	cis-1,2-Dichloroethene	14		0.7	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	2-Butanone (MEK)	ND	U	2	10	1.00000	ug/L	35076		07/09/04 0803	jdw
	Chloroform	ND	U	0.6	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	1,1,1-Trichloroethane	13		0.9	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	Carbon tetrachloride	ND	U	0.6	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	Benzene	ND	U	0.5	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	1,2-Dichloroethane	51		0.8	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	Trichloroethene	ND	U	0.7	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	1,2-Dichloropropane	ND	U	0.7	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	Bromodichloromethane	ND	U	0.4	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	cis-1,3-Dichloropropene	ND	U	0.9	10	1.00000	ug/L	35076		07/09/04 0803	jdw
	4-Methyl-2-pentanone (MIBK)	ND	U	0.4	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	Toluene	ND	U	0.9	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	trans-1,3-Dichloropropene	ND	U	0.8	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	1,1,2-Trichloroethane	ND	U	0.8	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	Tetrachloroethene	7		0.4	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	2-Hexanone	ND	U	0.7	10	1.00000	ug/L	35076		07/09/04 0803	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 206997

Date: 07/19/2004

CUSTOMER: ENVIRONMENTAL STRATEGIES CONSULTING LLC

PROJECT: HICKSVILLE SITE

ATTN: Leslie Sherburne

Customer Sample ID: UVB-2-380
Date Sampled.....: 06/25/2004
Time Sampled.....: 17:55
Sample Matrix.....: Water

Laboratory Sample ID: 206997-2
Date Received.....: 06/29/2004
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U	0.5	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	Chlorobenzene	ND	U	0.5	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	Ethylbenzene	ND	U	0.5	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	Styrene	ND	U	0.7	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	Bromoform	ND	U	0.8	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	1,1,2,2-Tetrachloroethane	ND	U	0.7	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	Xylenes (total)	ND	U	0.9	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	1,3-Dichlorobenzene	ND	U	0.8	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	1,4-Dichlorobenzene	ND	U	0.4	5	1.00000	ug/L	35076		07/09/04 0803	jdw
	1,2-Dichlorobenzene	ND	U	0.9	5	1.00000	ug/L	35076		07/09/04 0803	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 206997

Date: 07/19/2004

CUSTOMER: ENVIRONMENTAL STRATEGIES CONSULTING LLC

PROJECT: HICKSVILLE SITE

ATTN: Leslie Sherburne

Customer Sample ID: UVB-2-240
Date Sampled.....: 06/26/2004
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 206997-3
Date Received.....: 06/29/2004
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)										
	Chloromethane	ND	U	1	5	1.00000	ug/L	35076		07/09/04 0836	jdaw
	Vinyl chloride	ND	U	0.6	5	1.00000	ug/L	35076		07/09/04 0836	jdaw
	Bromomethane	ND	U	3	5	1.00000	ug/L	35076		07/09/04 0836	jdaw
	Chloroethane	ND	U	2	5	1.00000	ug/L	35076		07/09/04 0836	jdaw
	1,1-Dichloroethane	12		0.8	5	1.00000	ug/L	35076		07/09/04 0836	jdaw
	Carbon disulfide	ND	U	0.4	5	1.00000	ug/L	35076		07/09/04 0836	jdaw
	Acetone	8	J	2	10	1.00000	ug/L	35076		07/09/04 0836	jdaw
	Methylene chloride	ND	U	0.6	5	1.00000	ug/L	35076		07/09/04 0836	jdaw
	trans-1,2-Dichloroethene	ND	U	0.5	5	1.00000	ug/L	35076		07/09/04 0836	jdaw
	1,1-Dichloroethane	ND	U	0.4	5	1.00000	ug/L	35076		07/09/04 0836	jdaw
	Vinyl acetate	ND	U	2	5	1.00000	ug/L	35076		07/09/04 0836	jdaw
	cis-1,2-Dichloroethene	15		0.7	5	1.00000	ug/L	35076		07/09/04 0836	jdaw
	2-Butanone (MEK)	ND	U	2	10	1.00000	ug/L	35076		07/09/04 0836	jdaw
	Chloroform	ND	U	0.6	5	1.00000	ug/L	35076		07/09/04 0836	jdaw
	1,1,1-Trichloroethane	18		0.9	5	1.00000	ug/L	35076		07/09/04 0836	jdaw
	Carbon tetrachloride	ND	U	0.6	5	1.00000	ug/L	35076		07/09/04 0836	jdaw
	Benzene	ND	U	0.5	5	1.00000	ug/L	35076		07/09/04 0836	jdaw
	1,2-Dichloroethane	44		0.8	5	1.00000	ug/L	35076		07/09/04 0836	jdaw
	Trichloroethene	ND	U	0.7	5	1.00000	ug/L	35076		07/09/04 0836	jdaw
	1,2-Dichloropropane	ND	U	0.7	5	1.00000	ug/L	35076		07/09/04 0836	jdaw
	Bromodichloromethane	ND	U	0.4	5	1.00000	ug/L	35076		07/09/04 0836	jdaw
	cis-1,3-Dichloropropene	ND	U	0.4	5	1.00000	ug/L	35076		07/09/04 0836	jdaw
	4-Methyl-2-pentanone (MIBK)	ND	U	0.9	10	1.00000	ug/L	35076		07/09/04 0836	jdaw
	Toluene	2	J	0.4	5	1.00000	ug/L	35076		07/09/04 0836	jdaw
	trans-1,3-Dichloropropene	ND	U	0.8	5	1.00000	ug/L	35076		07/09/04 0836	jdaw
	1,1,2-Trichloroethane	ND	U	0.8	5	1.00000	ug/L	35076		07/09/04 0836	jdaw
	Tetrachloroethene	7		0.4	5	1.00000	ug/L	35076		07/09/04 0836	jdaw
	2-Hexanone	ND	U	0.7	10	1.00000	ug/L	35076		07/09/04 0836	jdaw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 206997

Date: 07/19/2004

CLIENT: ENVIRONMENTAL STRATEGIES CONSULTING LLC

PROJECT: HICKSVILLE SITE

ATTN: Leslie Sherburne

Customer Sample ID: UVB-2-240
Date Sampled.....: 06/26/2004
Time Sampled.....: 16:00
Sample Matrix.....: Water

Laboratory Sample ID: 206997-3
Date Received.....: 06/29/2004
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U	0.5	5	1.00000	ug/L	35076		07/09/04 0836	jd
	Chlorobenzene	ND	U	0.5	5	1.00000	ug/L	35076		07/09/04 0836	jd
	Ethylbenzene	ND	U	0.5	5	1.00000	ug/L	35076		07/09/04 0836	jd
	Styrene	ND	U	0.7	5	1.00000	ug/L	35076		07/09/04 0836	jd
	Bromoform	ND	U	0.8	5	1.00000	ug/L	35076		07/09/04 0836	jd
	1,1,2,2-Tetrachloroethane	ND	U	0.7	5	1.00000	ug/L	35076		07/09/04 0836	jd
	Xylenes (total)	ND	U	0.9	5	1.00000	ug/L	35076		07/09/04 0836	jd
	1,3-Dichlorobenzene	ND	U	0.8	5	1.00000	ug/L	35076		07/09/04 0836	jd
	1,4-Dichlorobenzene	ND	U	0.4	5	1.00000	ug/L	35076		07/09/04 0836	jd
	1,2-Dichlorobenzene	ND	U	0.9	5	1.00000	ug/L	35076		07/09/04 0836	jd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 206997

Date: 07/19/2004

CLIENT: ENVIRONMENTAL STRATEGIES CONSULTING, LLC

PROJECT: HICKSVILLE SITE

ATTN: Leslie Sherburne

Customer Sample ID: UVB-3-380
 Date Sampled.....: 06/27/2004
 Time Sampled.....: 13:40
 Sample Matrix.....: Water

Laboratory Sample ID: 206997-4
 Date Received.....: 06/29/2004
 Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)										
	Chloromethane	ND	U	28	100	20.00000	ug/L	35076		07/09/04 1316	jdw
	Vinyl chloride	ND	U	12	100	20.00000	ug/L	35076		07/09/04 1316	jdw
	Bromomethane	ND	U	54	100	20.00000	ug/L	35076		07/09/04 1316	jdw
	Chloroethane	ND	U	34	100	20.00000	ug/L	35076		07/09/04 1316	jdw
	1,1-Dichloroethane	ND	U	16	100	20.00000	ug/L	35076		07/09/04 1316	jdw
	Carbon disulfide	ND	U	8	100	20.00000	ug/L	35076		07/09/04 1316	jdw
	Acetone	ND	U	40	200	20.00000	ug/L	35076		07/09/04 1316	jdw
	Methylene chloride	ND	U	12	100	20.00000	ug/L	35076		07/09/04 1316	jdw
	trans-1,2-Dichloroethene	ND	U	10	100	20.00000	ug/L	35076		07/09/04 1316	jdw
	1,1-Dichloroethane	ND	U	8	100	20.00000	ug/L	35076		07/09/04 1316	jdw
	Vinyl acetate	ND	U	38	100	20.00000	ug/L	35076		07/09/04 1316	jdw
	cis-1,2-Dichloroethene	45	U	14	100	20.00000	ug/L	35076		07/09/04 1316	jdw
	2-Butanone (MEK)	ND	U	32	200	20.00000	ug/L	35076		07/09/04 1316	jdw
	Chloroform	ND	U	12	100	20.00000	ug/L	35076		07/09/04 1316	jdw
	1,1,1-Trichloroethane	ND	U	18	100	20.00000	ug/L	35076		07/09/04 1316	jdw
	Carbon tetrachloride	ND	U	12	100	20.00000	ug/L	35076		07/09/04 1316	jdw
	Benzene	ND	U	10	100	20.00000	ug/L	35076		07/09/04 1316	jdw
	1,2-Dichloroethane	ND	U	12	100	20.00000	ug/L	35076		07/09/04 1316	jdw
	Trichloroethene	57	U	16	100	20.00000	ug/L	35076		07/09/04 1316	jdw
	1,2-Dichloropropane	ND	U	14	100	20.00000	ug/L	35076		07/09/04 1316	jdw
	Bromodichloromethane	ND	U	14	100	20.00000	ug/L	35076		07/09/04 1316	jdw
	cis-1,3-Dichloropropene	ND	U	8	100	20.00000	ug/L	35076		07/09/04 1316	jdw
	4-Methyl-2-pentanone (MIBK)	ND	U	18	200	20.00000	ug/L	35076		07/09/04 1316	jdw
	Toluene	ND	U	8	100	20.00000	ug/L	35076		07/09/04 1316	jdw
	trans-1,3-Dichloropropene	ND	U	16	100	20.00000	ug/L	35076		07/09/04 1316	jdw
	1,1,2-Trichloroethane	ND	U	16	100	20.00000	ug/L	35076		07/09/04 1316	jdw
	Tetrachloroethene	1600	U	8	100	20.00000	ug/L	35076		07/09/04 1316	jdw
	2-Hexanone	ND	U	14	200	20.00000	ug/L	35076		07/09/04 1316	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 206997

Date: 07/19/2004

CLIENT: ENVIRONMENTAL STRATEGIES CONSULTING LLC

PROJECT: HICKSVILLE SITE

ATTN: Leslie Sherburne

Customer Sample ID: UVB-3-380
Date Sampled.....: 06/27/2004
Time Sampled.....: 13:40
Sample Matrix.....: Water

Laboratory Sample ID: 206997-4
Date Received.....: 06/29/2004
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U	10	100	20.00000	ug/L	35076		07/09/04 1316	jdW
	Chlorobenzene	ND	U	10	100	20.00000	ug/L	35076		07/09/04 1316	jdW
	Ethylbenzene	ND	U	10	100	20.00000	ug/L	35076		07/09/04 1316	jdW
	Styrene	ND	U	14	100	20.00000	ug/L	35076		07/09/04 1316	jdW
	Bromoform	ND	U	16	100	20.00000	ug/L	35076		07/09/04 1316	jdW
	1,1,2,2-Tetrachloroethane	ND	U	14	100	20.00000	ug/L	35076		07/09/04 1316	jdW
	Xylenes (total)	ND	U	18	100	20.00000	ug/L	35076		07/09/04 1316	jdW
	1,3-Dichlorobenzene	ND	U	16	100	20.00000	ug/L	35076		07/09/04 1316	jdW
	1,4-Dichlorobenzene	ND	U	8	100	20.00000	ug/L	35076		07/09/04 1316	jdW
	1,2-Dichlorobenzene	ND	U	18	100	20.00000	ug/L	35076		07/09/04 1316	jdW

* In Description = Dry Wgt.

Appendix D – Pumping Test Data

Table D-1

UVB-2 Pumping Test Results - Extraction Only
Former General Instrument Corporation Site
Hicksville, New York
July 13, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>	<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>
9:30:00	-0.0141	-0.022	-0.0053	9:41:00	-0.0151	-0.4644	-0.0053
9:30:15	-0.0119	-0.0168	-0.0053	9:41:15	-0.0163	-0.4523	-0.0053
9:30:30	-0.0119	-0.0168	-0.0053	9:41:30	-0.0163	-0.4489	-0.0053
9:30:45	-0.0119	-0.0133	-0.0053	9:41:45	-0.0141	-0.4489	-0.0087
9:31:00	-0.013	-0.0116	-0.0053	9:42:00	-0.0173	-0.4437	-0.0122
9:31:15	-0.013	-0.0116	-0.002	9:42:15	-0.0173	-0.4472	-0.0087
9:31:30	-0.013	-0.0099	-0.002	9:42:30	-0.0163	-0.4437	-0.0122
9:31:45	-0.0109	-0.0064	0.0014	9:42:45	-0.0173	-0.4437	-0.0122
9:32:00	-0.0119	-0.0081	0.0014	9:43:00	-0.0163	-0.4454	-0.0122
9:32:15	-0.0119	-0.0064	0.0014	9:43:15	-0.0173	-0.4437	-0.0122
9:32:30	-0.0119	-0.0081	0.0014	9:43:30	-0.0183	-0.4385	-0.0122
9:32:45	-0.013	-0.0064	0.0014	9:43:45	-0.0173	-0.4454	-0.0122
9:33:00	-0.013	-0.0064	0.0014	9:44:00	-0.0109	-0.442	-0.0122
9:33:15	-0.013	-0.0081	0.0014	9:44:15	-0.0151	-0.4437	-0.0122
9:33:30	-0.013	-0.0081	0.0014	9:44:30	-0.0141	-0.4437	-0.0122
9:33:45	-0.013	-0.0064	0.0014	9:44:45	-0.0173	-0.4437	-0.0122
9:34:00	-0.0119	-0.0064	0.0014	9:45:00	-0.0173	-0.4437	-0.0122
9:34:15	-0.0098	-0.0064	0.0014	9:45:15	-0.0194	-0.4437	-0.0122
9:34:30	-0.0098	-0.0064	0.0014	9:45:30	-0.0173	-0.4437	-0.0122
9:34:45	-0.0098	-0.0047	0.0014	9:45:45	-0.0173	-0.4454	-0.0122
9:35:00	-0.0098	-0.0064	0.0014	9:46:00	-0.0151	-0.4454	-0.0122
9:35:15	-0.0098	-0.0047	0.0014	9:46:15	-0.0194	-0.8263	-0.0122
9:35:30	-0.0098	-0.003	0.0014	9:46:30	-0.0183	-1.2081	-0.0156
9:35:45	-0.0098	-0.0047	0.0014	9:46:45	-0.0205	-1.1092	-0.0122
9:36:00	-0.0098	-0.0047	0.0014	9:47:00	-0.0183	-1.1092	-0.0122
9:36:15	-0.0098	-0.0064	0.0014	9:47:15	-0.0173	-1.1075	-0.0156
9:36:30	-0.0098	-0.0064	0.0014	9:47:30	-0.0239	-1.1144	-0.0189
9:36:45	-0.0109	-0.0047	0.0014	9:47:45	-0.0229	-1.1179	-0.0189
9:37:00	-0.0109	-0.0047	0.0014	9:48:00	-0.0218	-1.1197	-0.0189
9:37:15	-0.0109	-0.0064	0.0014	9:48:15	-0.025	-1.1197	-0.0224
9:37:30	-0.0067	-0.4489	0.0014	9:48:30	-0.025	-1.1197	-0.0189
9:37:45	-0.0098	-0.4696	0.0014	9:48:45	-0.0229	-1.1214	-0.0189
9:38:00	-0.0163	-0.48	-0.002	9:49:00	-0.025	-1.1283	-0.0224
9:38:15	-0.0163	-0.5198	-0.0053	9:49:15	-0.0282	-1.1265	-0.0258
9:38:30	-0.0163	-0.5163	-0.0053	9:49:30	-0.0303	-1.1265	-0.0258
9:38:45	-0.0163	-0.506	-0.002	9:49:45	-0.0261	-1.13	-0.0258
9:39:00	-0.0109	-0.5077	-0.002	9:50:00	-0.0282	-1.1318	-0.0258
9:39:15	-0.0109	-0.5128	-0.0087	9:50:15	-0.0292	-1.13	-0.0258
9:39:30	-0.0151	-0.5094	-0.0053	9:50:30	-0.0271	-1.1335	-0.0258
9:39:45	-0.0163	-0.4696	-0.0053	9:50:45	-0.0271	-1.1335	-0.0291
9:40:00	-0.0151	-0.4696	-0.0053	9:51:00	-0.0324	-1.1335	-0.0325
9:40:15	-0.0151	-0.4644	-0.0053	9:51:15	-0.0324	-1.1352	-0.0291
9:40:30	-0.0173	-0.4644	-0.0053	9:51:30	-0.0282	-1.137	-0.0291
9:40:45	-0.0151	-0.4627	-0.0053	9:51:45	-0.0292	-1.1387	-0.0291

Table D-1

UVB-2 Pumping Test Results - Extraction Only
Former General Instrument Corporation Site
Hicksville, New York
July 13, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>	<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>
9:52:00	-0.0314	-1.1405	-0.0258	10:03:00	-0.0398	-1.1474	-0.0393
9:52:15	-0.0314	-1.1387	-0.0258	10:03:15	-0.0377	-1.1509	-0.0393
9:52:30	-0.0314	-1.137	-0.0325	10:03:30	-0.0398	-1.1491	-0.0393
9:52:45	-0.0345	-1.1387	-0.0291	10:03:45	-0.0398	-1.1457	-0.0393
9:53:00	-0.0314	-1.1457	-0.0325	10:04:00	-0.0398	-1.1491	-0.0393
9:53:15	-0.0292	-1.1439	-0.0258	10:04:15	-0.0398	-1.1526	-0.0393
9:53:30	-0.0324	-1.1405	-0.0325	10:04:30	-0.042	-1.1509	-0.0393
9:53:45	-0.0377	-1.1457	-0.0325	10:04:45	-0.042	-1.1509	-0.0393
9:54:00	-0.0367	-1.1405	-0.0325	10:05:00	-0.042	-1.1543	-0.0393
9:54:15	-0.0324	-1.1474	-0.0325	10:05:15	-0.0441	-1.1543	-0.0393
9:54:30	-0.0356	-1.1439	-0.0325	10:05:30	-0.0398	-1.1509	-0.0393
9:54:45	-0.0324	-1.1457	-0.0325	10:05:45	-0.0398	-1.1509	-0.0393
9:55:00	-0.0367	-1.1491	-0.0325	10:06:00	-0.0388	-1.1526	-0.0393
9:55:15	-0.0345	-1.1439	-0.0325	10:06:15	-0.0398	-1.1509	-0.0393
9:55:30	-0.0356	-1.1457	-0.0325	10:06:30	-0.043	-1.1509	-0.0393
9:55:45	-0.0356	-1.1422	-0.0325	10:06:45	-0.0388	-1.1543	-0.0393
9:56:00	-0.0367	-1.1439	-0.0325	10:07:00	-0.0441	-1.1491	-0.0393
9:56:15	-0.0335	-1.1474	-0.0325	10:07:15	-0.0388	-1.1526	-0.0393
9:56:30	-0.0335	-1.1474	-0.0359	10:07:30	-0.042	-1.1543	-0.0393
9:56:45	-0.0356	-1.1474	-0.0393	10:07:45	-0.0377	-1.1509	-0.0393
9:57:00	-0.0367	-1.1457	-0.0393	10:08:00	-0.0388	-1.1509	-0.0393
9:57:15	-0.0377	-1.1474	-0.0393	10:08:15	-0.042	-1.1509	-0.0393
9:57:30	-0.0388	-1.1439	-0.0393	10:08:30	-0.042	-1.1491	-0.0393
9:57:45	-0.0409	-1.1491	-0.0393	10:08:45	-0.042	-1.1543	-0.0393
9:58:00	-0.0388	-1.1439	-0.0393	10:09:00	-0.0452	-1.1509	-0.0393
9:58:15	-0.0367	-1.1457	-0.0393	10:09:15	-0.043	-1.1474	-0.0393
9:58:30	-0.0398	-1.1457	-0.0325	10:09:30	-0.0398	-1.1509	-0.0393
9:58:45	-0.0398	-1.1422	-0.0359	10:09:45	-0.0409	-1.1526	-0.0393
9:59:00	-0.0367	-1.1509	-0.0359	10:10:00	-0.043	-1.1491	-0.0393
9:59:15	-0.0356	-1.1474	-0.0359	10:10:15	-0.0409	-1.1526	-0.0393
9:59:30	-0.0409	-1.1474	-0.0393	10:10:30	-0.043	-1.1526	-0.0393
9:59:45	-0.0377	-1.1491	-0.0359	10:10:45	-0.0452	-1.1526	-0.0428
10:00:00	-0.0409	-1.1474	-0.0325	10:11:00	-0.0441	-1.1509	-0.0393
10:00:15	-0.0388	-1.1439	-0.0325	10:11:15	-0.0441	-1.1543	-0.0393
10:00:30	-0.042	-1.1457	-0.0325	10:11:30	-0.0441	-1.1509	-0.0428
10:00:45	-0.0409	-1.1439	-0.0359	10:11:45	-0.042	-1.1543	-0.0393
10:01:00	-0.0388	-1.1457	-0.0325	10:12:00	-0.042	-1.1526	-0.0428
10:01:15	-0.043	-1.1422	-0.0393	10:12:15	-0.042	-1.1509	-0.0428
10:01:30	-0.0409	-1.1474	-0.0393	10:12:30	-0.043	-1.1526	-0.0428
10:01:45	-0.0377	-1.1422	-0.0359	10:12:45	-0.0462	-1.1577	-0.0428
10:02:00	-0.0377	-1.1457	-0.0393	10:13:00	-0.0409	-1.1474	-0.0428
10:02:15	-0.0398	-1.1457	-0.0359	10:13:15	-0.043	-1.1491	-0.0428
10:02:30	-0.0409	-1.1439	-0.0393	10:13:30	-0.0452	-1.1526	-0.0428
10:02:45	-0.0409	-1.1509	-0.0393	10:13:45	-0.0441	-1.1509	-0.0393

Table D-1

UVB-2 Pumping Test Results - Extraction Only
Former General Instrument Corporation Site
Hicksville, New York
July 13, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>	<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>
10:14:00	-0.042	-1.1491	-0.0393	10:25:00	-0.0388	-1.1942	-0.0393
10:14:15	-0.042	-1.1509	-0.0428	10:25:15	-0.043	-1.1907	-0.0393
10:14:30	-0.042	-1.1491	-0.0428	10:25:30	-0.0388	-1.1907	-0.0393
10:14:45	-0.042	-1.1491	-0.0393	10:25:45	-0.0409	-1.1942	-0.0393
10:15:00	-0.0441	-1.1491	-0.0461	10:26:00	-0.0398	-1.1959	-0.0393
10:15:15	-0.0398	-1.1543	-0.0428	10:26:15	-0.042	-1.1942	-0.0393
10:15:30	-0.042	-1.1577	-0.0428	10:26:30	-0.0409	-1.1977	-0.0393
10:15:45	-0.0409	-1.1526	-0.0428	10:26:45	-0.0388	-1.1977	-0.0393
10:16:00	-0.043	-1.1526	-0.0428	10:27:00	-0.0409	-1.1977	-0.0393
10:16:15	-0.0409	-1.1543	-0.0428	10:27:15	-0.0409	-1.1977	-0.0393
10:16:30	-0.043	-1.1526	-0.0393	10:27:30	-0.0398	-1.1838	-0.0393
10:16:45	-0.0441	-1.1526	-0.0393	10:27:45	-0.042	-1.1959	-0.0393
10:17:00	-0.0377	-1.1526	-0.0428	10:28:00	-0.0388	-1.1977	-0.0393
10:17:15	-0.0398	-1.1526	-0.0428	10:28:15	-0.0409	-1.1994	-0.0393
10:17:30	-0.043	-1.1543	-0.0393	10:28:30	-0.0398	-1.1942	-0.0393
10:17:45	-0.0441	-1.1561	-0.0428	10:28:45	-0.0388	-1.1959	-0.0393
10:18:00	-0.0398	-1.1561	-0.0428	10:29:00	-0.0367	-1.1977	-0.0393
10:18:15	-0.043	-1.1526	-0.0393	10:29:15	-0.0398	-1.1838	-0.0393
10:18:30	-0.042	-1.1509	-0.0393	10:29:30	-0.0367	-1.1977	-0.0428
10:18:45	-0.042	-1.1509	-0.0393	10:29:45	-0.0388	-1.1942	-0.0393
10:19:00	-0.0452	-1.1509	-0.0393	10:30:00	-0.0398	-1.1959	-0.0393
10:19:15	-0.0398	-1.1491	-0.0393	10:30:15	-0.0377	-1.1977	-0.0428
10:19:30	-0.042	-1.1526	-0.0393	10:30:30	-0.0388	-1.1942	-0.0393
10:19:45	-0.043	-1.1561	-0.0393	10:30:45	-0.0409	-1.1907	-0.0428
10:20:00	-0.043	-1.1577	-0.0393	10:31:00	-0.0398	-1.1925	-0.0393
10:20:15	-0.043	-1.1543	-0.0393	10:31:15	-0.0388	-1.1942	-0.0393
10:20:30	-0.043	-1.1561	-0.0393	10:31:30	-0.042	-1.1959	-0.0428
10:20:45	-0.0367	-1.1577	-0.0393	10:31:45	-0.0409	-1.1994	-0.0428
10:21:00	-0.0409	-1.1509	-0.0393	10:32:00	-0.0452	-1.1994	-0.0393
10:21:15	-0.0398	-1.1526	-0.0393	10:32:15	-0.0441	-1.1942	-0.0428
10:21:30	-0.0409	-1.1543	-0.0393	10:32:30	-0.0409	-1.2029	-0.0461
10:21:45	-0.042	-1.1577	-0.0393	10:32:45	-0.043	-1.1942	-0.0461
10:22:00	-0.042	-1.1526	-0.0393	10:33:00	-0.042	-1.1925	-0.0461
10:22:15	-0.0409	-1.1561	-0.0393	10:33:15	-0.0452	-1.1977	-0.0428
10:22:30	-0.042	-1.1543	-0.0393	10:33:30	-0.042	-1.1977	-0.0428
10:22:45	-0.042	-1.1803	-0.0393	10:33:45	-0.043	-1.1977	-0.0428
10:23:00	-0.0452	-1.1942	-0.0393	10:34:00	-0.0388	-1.1942	-0.0461
10:23:15	-0.0473	-1.1907	-0.0393	10:34:15	-0.042	-1.1942	-0.0461
10:23:30	-0.0409	-1.1977	-0.0393	10:34:30	-0.0441	-1.1942	-0.0461
10:23:45	-0.0409	-1.189	-0.0393	10:34:45	-0.0409	-1.1942	-0.0461
10:24:00	-0.043	-1.1977	-0.0393	10:35:00	-0.043	-1.1942	-0.0461
10:24:15	-0.0377	-1.1907	-0.0393	10:35:15	-0.042	-1.1959	-0.0393
10:24:30	-0.0398	-1.1942	-0.0393	10:35:30	-0.0409	-1.1942	-0.0461
10:24:45	-0.0462	-1.1994	-0.0393	10:35:45	-0.0398	-1.1994	-0.0461

Table D-1

UVB-2 Pumping Test Results - Extraction Only
Former General Instrument Corporation Site
Hicksville, New York
July 13, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>	<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>
10:36:00	-0.043	-1.1977	-0.0461	10:47:00	-0.0388	-1.1977	-0.0461
10:36:15	-0.0409	-1.2011	-0.0461	10:47:15	-0.0398	-1.2029	-0.0428
10:36:30	-0.0409	-1.1977	-0.0461	10:47:30	-0.0388	-1.2011	-0.0393
10:36:45	-0.043	-1.2046	-0.0428	10:47:45	-0.0388	-1.1942	-0.0461
10:37:00	-0.0441	-1.1977	-0.0461	10:48:00	-0.0398	-1.1977	-0.0461
10:37:15	-0.043	-1.2011	-0.0461	10:48:15	-0.0409	-1.1977	-0.0393
10:37:30	-0.042	-1.1977	-0.0428	10:48:30	-0.0409	-1.2011	-0.0461
10:37:45	-0.0398	-1.1977	-0.0461	10:48:45	-0.0398	-1.1977	-0.0428
10:38:00	-0.0441	-1.1977	-0.0461	10:49:00	-0.0441	-1.2011	-0.0428
10:38:15	-0.0398	-1.2011	-0.0428	10:49:15	-0.0409	-1.2029	-0.0461
10:38:30	-0.0398	-1.1977	-0.0428	10:49:30	-0.0398	-1.2011	-0.0461
10:38:45	-0.043	-1.2011	-0.0428	10:49:45	-0.042	-1.1959	-0.0461
10:39:00	-0.042	-1.1959	-0.0461	10:50:00	-0.0398	-1.1994	-0.0428
10:39:15	-0.0409	-1.2011	-0.0393	10:50:15	-0.043	-1.1977	-0.0461
10:39:30	-0.0388	-1.1977	-0.0428	10:50:30	-0.042	-1.1959	-0.0461
10:39:45	-0.0398	-1.1994	-0.0428	10:50:45	-0.042	-1.1977	-0.0461
10:40:00	-0.043	-1.2011	-0.0428	10:51:00	-0.0398	-1.1977	-0.0393
10:40:15	-0.042	-1.1959	-0.0428	10:51:15	-0.0388	-1.1977	-0.0461
10:40:30	-0.042	-1.1977	-0.0428	10:51:30	-0.0388	-1.1977	-0.0461
10:40:45	-0.0409	-1.1977	-0.0461	10:51:45	-0.043	-1.1925	-0.0461
10:41:00	-0.042	-1.1977	-0.0428	10:52:00	-0.043	-1.1977	-0.0461
10:41:15	-0.0398	-1.1977	-0.0428	10:52:15	-0.042	-1.1925	-0.0461
10:41:30	-0.0398	-1.1959	-0.0428	10:52:30	-0.0409	-1.1942	-0.0461
10:41:45	-0.0388	-1.2029	-0.0461	10:52:45	-0.0398	-1.1959	-0.0461
10:42:00	-0.042	-1.1959	-0.0428	10:53:00	-0.042	-1.1977	-0.0461
10:42:15	-0.042	-1.1959	-0.0428	10:53:15	-0.0409	-1.1959	-0.0461
10:42:30	-0.0409	-1.1994	-0.0428	10:53:30	-0.042	-1.1959	-0.0461
10:42:45	-0.0377	-1.2046	-0.0428	10:53:45	-0.042	-1.1977	-0.0461
10:43:00	-0.0398	-1.1942	-0.0428	10:54:00	-0.042	-1.1977	-0.0461
10:43:15	-0.0388	-1.1977	-0.0428	10:54:15	-0.0409	-1.1977	-0.0461
10:43:30	-0.042	-1.1959	-0.0393	10:54:30	-0.0398	-1.1942	-0.0461
10:43:45	-0.0398	-1.1977	-0.0428	10:54:45	-0.042	-1.1925	-0.0461
10:44:00	-0.0388	-1.1942	-0.0461	10:55:00	-0.043	-1.1942	-0.0461
10:44:15	-0.0409	-1.1959	-0.0428	10:55:15	-0.042	-1.1959	-0.0461
10:44:30	-0.0409	-1.1977	-0.0461	10:55:30	-0.0441	-1.1977	-0.0461
10:44:45	-0.042	-1.1942	-0.0461	10:55:45	-0.042	-1.1959	-0.0461
10:45:00	-0.042	-1.1977	-0.0428	10:56:00	-0.0409	-1.1925	-0.0461
10:45:15	-0.042	-1.1977	-0.0428	10:56:15	-0.0388	-1.1959	-0.0461
10:45:30	-0.0377	-1.1942	-0.0393	10:56:30	-0.0367	-1.1994	-0.0461
10:45:45	-0.0388	-1.1942	-0.0461	10:56:45	-0.0388	-1.1942	-0.0461
10:46:00	-0.0398	-1.1977	-0.0428	10:57:00	-0.0388	-1.1907	-0.0461
10:46:15	-0.0398	-1.1977	-0.0428	10:57:15	-0.042	-1.1907	-0.0461
10:46:30	-0.0409	-1.1994	-0.0428	10:57:30	-0.042	-1.1942	-0.0428
10:46:45	-0.0398	-1.1977	-0.0461	10:57:45	-0.042	-1.1734	-0.0461

Table D-1

UVB-2 Pumping Test Results - Extraction Only
Former General Instrument Corporation Site
Hicksville, New York
July 13, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>	<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>
10:58:00	-0.0409	-1.1942	-0.0461	11:09:00	-0.0494	-1.5754	-0.0495
10:58:15	-0.0398	-1.1942	-0.0428	11:09:15	-0.0473	-1.5789	-0.0495
10:58:30	-0.0398	-1.1907	-0.0461	11:09:30	-0.0483	-1.5754	-0.0529
10:58:45	-0.0398	-1.1942	-0.0461	11:09:45	-0.0505	-1.5772	-0.0529
10:59:00	-0.042	-1.1907	-0.0461	11:10:00	-0.0494	-1.5772	-0.0529
10:59:15	-0.0409	-1.1907	-0.0461	11:10:15	-0.0505	-1.5754	-0.0563
10:59:30	-0.0409	-1.1959	-0.0428	11:10:30	-0.0494	-1.5789	-0.0563
10:59:45	-0.0388	-1.1942	-0.0461	11:10:45	-0.0494	-1.5772	-0.0529
11:00:00	-0.0398	-1.1907	-0.0461	11:11:00	-0.0505	-1.5789	-0.0563
11:00:15	-0.043	-1.1959	-0.0461	11:11:15	-0.0494	-1.5807	-0.0563
11:00:30	-0.0398	-1.1942	-0.0461	11:11:30	-0.0505	-1.5824	-0.0529
11:00:45	-0.0441	-1.1907	-0.0461	11:11:45	-0.0494	-1.5807	-0.0529
11:01:00	-0.0409	-1.1942	-0.0461	11:12:00	-0.0505	-1.5824	-0.0529
11:01:15	-0.042	-1.1907	-0.0428	11:12:15	-0.0505	-1.5824	-0.0529
11:01:30	-0.0409	-1.1942	-0.0461	11:12:30	-0.0505	-1.5859	-0.0529
11:01:45	-0.042	-1.1925	-0.0428	11:12:45	-0.0505	-1.5807	-0.0529
11:02:00	-0.042	-1.1838	-0.0461	11:13:00	-0.0526	-1.5841	-0.0529
11:02:15	-0.0409	-1.1474	-0.0461	11:13:15	-0.0505	-1.5876	-0.0529
11:02:30	-0.042	-1.1474	-0.0428	11:13:30	-0.0505	-1.5824	-0.0529
11:02:45	-0.0398	-1.1526	-0.0428	11:13:45	-0.0526	-1.5841	-0.0529
11:03:00	-0.0452	-1.1491	-0.0461	11:14:00	-0.0515	-1.5876	-0.0529
11:03:15	-0.0441	-1.1543	-0.0461	11:14:15	-0.0505	-1.5876	-0.0529
11:03:30	-0.043	-1.1577	-0.0461	11:14:30	-0.0505	-1.5841	-0.0563
11:03:45	-0.043	-1.1543	-0.0461	11:14:45	-0.0526	-1.5876	-0.0563
11:04:00	-0.0409	-1.1543	-0.0461	11:15:00	-0.0505	-1.5876	-0.0597
11:04:15	-0.042	-1.4731	-0.0461	11:15:15	-0.0526	-1.5928	-0.0597
11:04:30	-0.042	-1.5042	-0.0461	11:15:30	-0.0515	-1.5876	-0.0597
11:04:45	-0.043	-1.5129	-0.0428	11:15:45	-0.0505	-1.5876	-0.0563
11:05:00	-0.0409	-1.5129	-0.0428	11:16:00	-0.0505	-1.5876	-0.0597
11:05:15	-0.0473	-1.506	-0.0428	11:16:15	-0.0505	-1.5894	-0.0597
11:05:30	-0.0462	-1.5373	-0.0461	11:16:30	-0.0537	-1.5859	-0.0597
11:05:45	-0.0452	-1.5633	-0.0428	11:16:45	-0.0505	-1.5876	-0.0597
11:06:00	-0.0483	-1.5667	-0.0461	11:17:00	-0.0505	-1.5876	-0.0597
11:06:15	-0.0452	-1.5703	-0.0461	11:17:15	-0.0505	-1.5876	-0.0597
11:06:30	-0.0473	-1.5703	-0.0461	11:17:30	-0.0505	-1.5859	-0.0597
11:06:45	-0.0473	-1.5737	-0.0461	11:17:45	-0.0505	-1.5894	-0.0597
11:07:00	-0.0473	-1.5772	-0.0461	11:18:00	-0.0505	-1.5876	-0.0597
11:07:15	-0.0462	-1.5703	-0.0461	11:18:15	-0.0526	-1.5876	-0.0597
11:07:30	-0.0473	-1.5772	-0.0529	11:18:30	-0.0505	-1.5894	-0.0597
11:07:45	-0.0483	-1.5807	-0.0529	11:18:45	-0.0505	-1.5876	-0.0597
11:08:00	-0.0462	-1.5772	-0.0529	11:19:00	-0.0505	-1.5841	-0.0597
11:08:15	-0.0452	-1.5703	-0.0529	11:19:15	-0.0515	-1.5894	-0.0597
11:08:30	-0.0483	-1.5807	-0.0529	11:19:30	-0.0526	-1.5859	-0.0597
11:08:45	-0.0462	-1.5789	-0.0495	11:19:45	-0.0526	-1.5859	-0.0597

Table D-1

UVB-2 Pumping Test Results - Extraction Only
Former General Instrument Corporation Site
Hicksville, New York
July 13, 2004

Time (hh:mm:ss)	UVB-2 Upper (psi)	UVB-2 Middle (psi)	UVB-2 Lower (psi)
11:20:00	-0.0515	-1.5876	-0.0597
11:20:15	-0.0537	-1.5894	-0.0597
11:20:30	-0.0537	-1.5841	-0.0597
11:20:45	-0.0526	-1.5894	-0.0597
11:21:00	-0.0526	-1.5859	-0.0597
11:21:15	-0.0537	-1.5859	-0.0597
11:21:30	-0.0547	-1.5841	-0.0563
11:21:45	-0.0537	-1.5894	-0.0563
11:22:00	-0.0526	-1.5894	-0.0597
11:22:15	-0.0526	-1.5894	-0.0597
11:22:30	-0.0526	-1.5946	-0.0597
11:22:45	-0.1055	-0.1724	-0.0597
11:23:00	-0.06	-0.1188	-0.0597
11:23:15	-0.0526		-0.0529
11:23:30	-0.0515		-0.0529
11:23:45	-0.0505		-0.0495
11:24:00	-0.0494		-0.0461
11:24:15	-0.0483		-0.0428
11:24:30	-0.0452		-0.0428
11:24:45	-0.0452		-0.0393
11:25:00	-0.0452		-0.0393
11:25:15	-0.0441		-0.0325
11:25:30	-0.043		-0.0393
11:25:45	-0.0409		-0.0325
11:26:00	-0.0409		-0.0325
11:26:15	-0.042		-0.0325
11:26:30	-0.0388		-0.0258
11:26:45	-0.0398		-0.0258
11:27:00	-0.0377		-0.0291
11:27:15	-0.0367		-0.0291
11:27:30	-0.0377		-0.0258
11:27:45	-0.0356		-0.0258
11:28:00	-0.0345		-0.0258
11:28:15	-0.0335		-0.0258
11:28:30	-0.0345		-0.0189
11:28:45	-0.0324		-0.0189
11:29:00	-0.0314		-0.0189
11:29:15	-0.0314		-0.0189
11:29:30	-0.0314		-0.0189
11:29:45	-0.0314		-0.0224
11:30:00	-0.0292		-0.0224

Table D-2

UVB-2 Pumping Test Results - Upper Injection Only
Former General Instrument Corporation Site
Hicksville, New York
July 14, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>	<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>
16:58:00	-0.0874	0.0081	0.0165	17:09:00	0.2589	-0.5	-0.0038
16:58:15	-0.0365	0.0081	0.0165	17:09:15	0.4643	-0.4966	-0.0038
16:58:30	0.0265	0.0081	0.0165	17:09:30	0.5289	-0.5018	-0.0038
16:58:45	-0.0482	0.0081	0.0165	17:09:45	0.5532	-0.4931	-0.0038
16:59:00	-0.0174	0.0081	0.0131	17:10:00	0.5543	-0.4966	-0.0038
16:59:15	-0.0033	0.0081	0.0165	17:10:15	0.5532	-0.4897	-0.0005
16:59:30	0.002	0.0081	0.0131	17:10:30	0.5553	-0.4983	-0.0005
16:59:45	0.0073	0.0081	0.0131	17:10:45	0.5394	-0.4966	-0.0038
17:00:00	0.0041	0.0081	0.0131	17:11:00	0.5331	-0.4966	-0.0038
17:00:15	0.0084	0.0081	0.0131	17:11:15	0.5394	-0.4914	-0.0038
17:00:30	0.0073	0.0081	0.0131	17:11:30	0.5161	-0.4914	-0.0038
17:00:45	0.0233	-0.3928	0.0199	17:11:45	0.5172	-0.4966	-0.0038
17:01:00	-0.0012	-0.4689	0.0131	17:12:00	0.5013	-0.5	-0.0038
17:01:15	0.0031	-0.488	0.0131	17:12:15	0.5119	-0.4966	-0.0038
17:01:30	0.0095	-0.4948	0.0131	17:12:30	0.5077	-0.4948	-0.0038
17:01:45	0.0063	-0.5	0.0098	17:12:45	0.5024	-0.4983	-0.0005
17:02:00	0.0073	-0.5052	0.0098	17:13:00	0.5034	-0.5035	-0.0005
17:02:15	0.0179	-0.5035	0.0098	17:13:15	0.495	-0.4966	-0.0038
17:02:30	0.0116	-0.5018	0.0098	17:13:30	0.4865	-0.4931	-0.0005
17:02:45	0.0318	-0.5035	0.0029	17:13:45	0.4812	-0.5035	-0.0038
17:03:00	0.0392	-0.4914	0.0029	17:14:00	0.4165	-0.4966	-0.0005
17:03:15	0.0488	-0.4845	0.0064	17:14:15	0.3381	-0.4966	-0.0005
17:03:30	0.0658	-0.4931	0.0029	17:14:30	0.2388	-0.5035	-0.0038
17:03:45	0.0839	-0.488	0.0064	17:14:45	0.2207	-0.5087	-0.0038
17:04:00	0.0881	-0.488	0.0064	17:15:00	0.2176	-0.4966	-0.0005
17:04:15	0.0721	-0.4931	0.0064	17:15:15	0.226	-0.4948	-0.0005
17:04:30	0.0743	-0.4862	0.0029	17:15:30	0.3625	-0.4948	-0.0005
17:04:45	0.0807	-0.4931	0.0029	17:15:45	0.4865	-0.5	-0.0005
17:05:00	0.0807	-0.5052	-0.0005	17:16:00	0.5309	-0.4966	-0.0038
17:05:15	0.0743	-0.4983	-0.0005	17:16:15	0.5458	-0.5	-0.0005
17:05:30	0.0753	-0.4931	0.0029	17:16:30	0.5511	-0.5035	-0.0038
17:05:45	0.0966	-0.4983	0.0029	17:16:45	0.5627	-0.507	-0.0005
17:06:00	0.121	-0.507	0.0029	17:17:00	0.5849	-0.5018	-0.0038
17:06:15	0.1263	-0.4966	-0.0005	17:17:15	0.5818	-0.4966	-0.0073
17:06:30	0.1167	-0.5018	0.0029	17:17:30	0.5839	-0.507	-0.0073
17:06:45	0.1412	-0.4931	-0.0005	17:17:45	0.5786	-0.5035	-0.0073
17:07:00	0.1443	-0.4983	0.0029	17:18:00	0.5818	-0.5104	-0.0073
17:07:15	0.1571	-0.5052	0.0029	17:18:15	0.5807	-0.5	-0.0073
17:07:30	0.1613	-0.5035	0.0029	17:18:30	0.5786	-0.507	-0.0073
17:07:45	0.1698	-0.4966	0.0029	17:18:45	0.5796	-0.4931	-0.0073
17:08:00	0.2091	-0.4931	0.0029	17:19:00	0.5807	-0.5	-0.0073
17:08:15	0.2122	-0.5	0.0029	17:19:15	0.5701	-0.5	-0.0073
17:08:30	0.2037	-0.5035	-0.0038	17:19:30	0.5818	-0.5052	-0.0073
17:08:45	0.2218	-0.5	-0.0005	17:19:45	0.5733	-0.5018	-0.0038
17:20:00	0.5722	-0.5	-0.0073	17:31:00	0.5691	-0.5035	-0.0038
17:20:15	0.5807	-0.5139	-0.0073	17:31:15	0.5617	-0.5104	-0.0073

Table D-2

UVB-2 Pumping Test Results - Upper Injection Only
Former General Instrument Corporation Site
Hicksville, New York
July 14, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>	<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>
17:20:30	0.5744	-0.5052	-0.0038	17:31:30	0.5574	-0.5035	-0.0073
17:20:45	0.5606	-0.5104	-0.0073	17:31:45	0.5659	-0.5174	-0.0073
17:21:00	0.5669	-0.4966	-0.0073	17:32:00	0.5532	-0.5052	-0.0038
17:21:15	0.5574	-0.4931	-0.0073	17:32:15	0.5733	-0.5174	-0.0038
17:21:30	0.5765	-0.5018	-0.0073	17:32:30	0.5489	-0.5087	-0.0038
17:21:45	0.5659	-0.4966	-0.0038	17:32:45	0.5638	-0.5174	-0.0073
17:22:00	0.5617	-0.5018	-0.0038	17:33:00	0.5638	-0.5104	-0.0073
17:22:15	0.5532	-0.507	-0.0073	17:33:15	0.5617	-0.5052	-0.0038
17:22:30	0.5553	-0.507	-0.0073	17:33:30	0.5606	-0.5156	-0.0038
17:22:45	0.5691	-0.5052	-0.0073	17:33:45	0.5574	-0.5035	-0.0073
17:23:00	0.5564	-0.5035	-0.0073	17:34:00	0.5532	-0.4966	-0.0073
17:23:15	0.5469	-0.4966	-0.0073	17:34:15	0.5521	-0.5	-0.0038
17:23:30	0.5606	-0.5	-0.0073	17:34:30	0.5638	-0.5018	-0.0107
17:23:45	0.5585	-0.5035	-0.0073	17:34:45	0.5585	-0.4966	-0.0073
17:24:00	0.5532	-0.4983	-0.0073	17:35:00	0.5595	-0.4931	-0.0073
17:24:15	0.5595	-0.507	-0.0073	17:35:15	0.5574	-0.5	-0.0038
17:24:30	0.5606	-0.507	-0.0073	17:35:30	0.5595	-0.5035	-0.0073
17:24:45	0.5595	-0.5018	-0.0073	17:35:45	0.5617	-0.5087	-0.0073
17:25:00	0.5669	-0.5104	-0.0073	17:36:00	0.5595	-0.5018	-0.014
17:25:15	0.5479	-0.4983	-0.0073	17:36:15	0.5595	-0.5	-0.0073
17:25:30	0.5352	-0.4966	-0.0073	17:36:30	0.5532	-0.5035	-0.0107
17:25:45	0.5521	-0.5	-0.0073	17:36:45	0.5458	-0.5	-0.0073
17:26:00	0.5553	-0.4983	-0.0073	17:37:00	0.5564	-0.0368	-0.0038
17:26:15	0.55	-0.5052	-0.0073	17:37:15	0.5564	-0.023	-0.0073
17:26:30	0.5839	-0.5104	-0.0073	17:37:30	0.5532	-0.0161	-0.0073
17:26:45	0.5722	-0.507	-0.0073	17:37:45	0.5447	-0.0109	-0.0073
17:27:00	0.5701	-0.5	-0.0073	17:38:00	0.5309	-0.0057	-0.0005
17:27:15	0.5722	-0.5	-0.0073	17:38:15	0.3943	-0.0057	-0.0005
17:27:30	0.5796	-0.5104	-0.0073	17:38:30	0.2303	-0.0023	-0.0005
17:27:45	0.5733	-0.5035	-0.0073	17:38:45	0.1984	-0.0005	-0.0005
17:28:00	0.5828	-0.507	-0.0038	17:39:00	0.174	0.0012	0.0029
17:28:15	0.9162	-0.507	-0.0073	17:39:15	0.1634	-0.0005	-0.0005
17:28:30	0.8433	-0.5	-0.0038	17:39:30	0.3943	-0.0005	-0.0005
17:28:45	0.5172	-0.4983	-0.0073	17:39:45	0.4176	-0.0023	0.0064
17:29:00	0.5394	-0.5018	-0.0038	17:40:00	0.2631	-0.0005	0.0064
17:29:15	0.5521	-0.4966	-0.0038	17:40:15	0.191	0.0012	0.0064
17:29:30	0.5532	-0.4966	-0.0038	17:40:30	0.1539	-0.004	0.0029
17:29:45	0.5574	-0.5	-0.0038	17:40:45	0.1284	-0.0057	0.0029
17:30:00	0.55	-0.5122	-0.0073	17:41:00	0.1072	-0.004	0.0064
17:30:15	0.5521	-0.5052	-0.0073	17:41:15	0.0945	-0.0057	0.0098
17:30:30	0.5511	-0.4931	-0.0038	17:41:30	0.0764	-0.0023	0.0098
17:30:45	0.5638	-0.4983	-0.0038	17:41:45	0.0743	-0.0023	0.0064
17:42:00	0.0679	-0.0023	0.0098	17:53:00	1.2854	-1.1606	-0.0277
17:42:15	0.0626	-0.0057	0.0098	17:53:15	1.2992	-1.1675	-0.0277
17:42:30	-0.3187	-0.9006	-0.0005	17:53:30	1.3128	-1.1641	-0.0277
17:42:45	-0.0811	-1.0843	0.0064	17:53:45	1.3265	-1.1658	-0.0277

Table D-2

UVB-2 Pumping Test Results - Upper Injection Only
Former General Instrument Corporation Site
Hicksville, New York
July 14, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>	<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>
17:43:00	0.0073	-1.1068	-0.0005	17:54:00	1.3434	-1.1658	-0.0277
17:43:15	0.0923	-1.1172	-0.0005	17:54:15	1.4172	-1.1675	-0.0277
17:43:30	0.122	-1.1277	-0.0038	17:54:30	1.4678	-1.1658	-0.0277
17:43:45	0.1708	-1.1294	-0.0005	17:54:45	1.4562	-1.1641	-0.0277
17:44:00	0.1496	-1.1381	-0.0073	17:55:00	1.5929	-1.1623	-0.0277
17:44:15	0.156	-1.1415	-0.0073	17:55:15	1.6916	-1.1641	-0.0277
17:44:30	0.1762	-1.1397	-0.0073	17:55:30	1.7295	-1.1658	-0.0277
17:44:45	0.2016	-1.1415	-0.0107	17:55:45	1.7105	-1.1641	-0.0277
17:45:00	0.2705	-1.145	-0.0073	17:56:00	1.7063	-1.1641	-0.0277
17:45:15	0.2896	-1.1467	-0.014	17:56:15	1.7147	-1.1606	-0.0277
17:45:30	0.4928	-1.1502	-0.014	17:56:30	1.7084	-1.1641	-0.0277
17:45:45	0.6031	-1.1537	-0.014	17:56:45	1.7053	-1.1606	-0.0277
17:46:00	0.6846	-1.1537	-0.0208	17:57:00	1.699	-1.1623	-0.0277
17:46:15	0.7365	-1.1537	-0.0174	17:57:15	1.6811	-1.1589	-0.0277
17:46:30	0.764	-1.1502	-0.0174	17:57:30	1.6716	-1.1623	-0.0277
17:46:45	0.6508	-1.1571	-0.0174	17:57:45	1.6568	-1.1606	-0.0277
17:47:00	0.6719	-1.1571	-0.0174	17:58:00	1.7305	-1.1571	-0.0277
17:47:15	0.6709	-1.1571	-0.0208	17:58:15	1.7883	-1.1606	-0.0277
17:47:30	0.691	-1.1554	-0.0208	17:58:30	1.7789	-1.1606	-0.0277
17:47:45	0.7047	-1.1537	-0.0208	17:58:45	1.7568	-1.1606	-0.0277
17:48:00	0.7217	-1.1554	-0.0208	17:59:00	1.7189	-1.1571	-0.0277
17:48:15	0.7534	-1.1589	-0.0208	17:59:15	1.7105	-1.1571	-0.0277
17:48:30	0.764	-1.1571	-0.0242	17:59:30	1.6789	-1.1606	-0.0277
17:48:45	0.7915	-1.1606	-0.0277	17:59:45	1.6548	-1.1571	-0.0277
17:49:00	0.8105	-1.1606	-0.0277	18:00:00	1.62	-1.1589	-0.0277
17:49:15	0.8274	-1.1623	-0.0242	18:00:15	1.5814	-1.1589	-0.0277
17:49:30	0.8771	-1.1589	-0.0242	18:00:30	1.5488	-1.1571	-0.0277
17:49:45	0.9183	-1.1589	-0.0242	18:00:45	1.5278	-1.1571	-0.0277
17:50:00	0.9518	-1.1606	-0.0242	18:01:00	1.4277	-1.1606	-0.0208
17:50:15	0.9951	-1.1606	-0.0242	18:01:15	1.2884	-1.1589	-0.0242
17:50:30	1.0458	-1.1589	-0.031	18:01:30	1.2146	-1.1623	-0.0242
17:50:45	1.088	-1.1623	-0.0277	18:01:45	1.1893	-1.1589	-0.0277
17:51:00	1.1376	-1.1571	-0.0277	18:02:00	1.1788	-1.1554	-0.0277
17:51:15	1.1735	-1.1623	-0.0277	18:02:15	1.1788	-1.1606	-0.0242
17:51:30	1.1882	-1.1623	-0.0277	18:02:30	1.1777	-1.1589	-0.0277
17:51:45	1.2209	-1.1623	-0.0277	18:02:45	1.1988	-1.1606	-0.0277
17:52:00	1.2378	-1.1641	-0.0277	18:03:00	1.202	-1.1571	-0.0242
17:52:15	1.2462	-1.1623	-0.0277	18:03:15	1.2241	-1.1537	-0.0277
17:52:30	1.2631	-1.1641	-0.0277	18:03:30	1.2399	-1.1554	-0.0277
17:52:45	1.2736	-1.1606	-0.0277	18:03:45	1.2599	-1.1589	-0.0277
18:04:00	1.2631	-1.1589	-0.0242	18:15:00	0.2525	-0.0092	-0.0073
18:04:15	1.2768	-1.1554	-0.0277	18:15:15	0.2016	-0.0074	-0.0073
18:04:30	1.2841	-1.1502	-0.0277	18:15:30	0.1762	-0.0057	-0.0073
18:04:45	1.2768	-1.1484	-0.0277	18:15:45	0.1464	-0.0057	-0.0038
18:05:00	1.2736	-1.1519	-0.0242	18:16:00	0.1252	-0.0057	-0.0005
18:05:15	1.282	-1.1537	-0.0277	18:16:15	0.1677	-0.0057	-0.0005

Table D-2

UVB-2 Pumping Test Results - Upper Injection Only
Former General Instrument Corporation Site
Hicksville, New York
July 14, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>	<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>
18:05:30	1.2715	-1.1502	-0.0242	18:16:30	0.2048	-0.004	-0.0005
18:05:45	1.2736	-1.1537	-0.0277	18:16:45	0.1475	-0.0023	-0.0005
18:06:00	1.281	-1.145	-0.0277	18:17:00	0.1082	-0.0057	-0.0038
18:06:15	1.2768	-1.1554	-0.0277	18:17:15	0.087	-0.0057	-0.0005
18:06:30	1.2778	-1.1554	-0.0277	18:17:30	0.0721	-0.0057	-0.0005
18:06:45	1.2852	-1.1554	-0.0277	18:17:45	0.0636	-0.0023	-0.0005
18:07:00	1.282	-1.1571	-0.0277	18:18:00	0.0573	-0.0023	-0.0005
18:07:15	1.282	-1.1571	-0.0277	18:18:15	0.0583	-0.0023	-0.0005
18:07:30	1.2841	-1.1554	-0.0208	18:18:30	0.0488	-0.0023	-0.0005
18:07:45	1.282	-1.1554	-0.0242	18:18:45	0.0467	-0.0023	-0.0005
18:08:00	1.2799	-1.1589	-0.0242	18:19:00	0.0445	-0.0023	0.0029
18:08:15	1.281	-1.1554	-0.0208	18:19:15	0.0435	-0.0023	-0.0005
18:08:30	1.2791	-1.1571	-0.0277	18:19:30	0.0424	-0.0023	0.0029
18:08:45	1.2939	-1.1589	-0.0242	18:19:45	0.0413	-0.0023	0.0029
18:09:00	1.2928	-1.1623	-0.0242	18:20:00	0.0126	-1.0531	0.0064
18:09:15	1.296	-1.1606	-0.0277	18:20:15	0.0381	-0.0264	-0.0005
18:09:30	1.281	-1.1571	-0.0242	18:20:30	0.0381	-0.0092	-0.0005
18:09:45	1.2799	-1.1589	-0.0242	18:20:45	0.0381	-0.0057	0.0029
18:10:00	1.2831	-1.1589	-0.0277	18:21:00	0.0371	-0.0057	0.0029
18:10:15	1.282	-1.1589	-0.0277	18:21:15	0.036	-0.0023	0.0064
18:10:30	1.2778	-1.1623	-0.0277	18:21:30	0.036	-0.0023	0.0064
18:10:45	1.2778	-1.1606	-0.0277	18:21:45	0.036	-0.0023	0.0064
18:11:00	1.2886	-1.1623	-0.0277	18:22:00	0.036	-0.0023	0.0064
18:11:15	1.2928	-1.1606	-0.0277	18:22:15	0.0328	-0.0023	0.0064
18:11:30	1.2875	-1.1641	-0.0277	18:22:30	0.0339	-0.0023	0.0064
18:11:45	1.2865	-0.1025	-0.0277	18:22:45	0.035	-0.0023	0.0064
18:12:00	1.2378	-0.0576	-0.0242	18:23:00	0.0328	-0.0023	0.0064
18:12:15	1.1133	-0.0403	-0.0277	18:23:15	0.0392	-0.0005	0.0064
18:12:30	1.0278	-0.0299	-0.0208	18:23:30	0.0318	-0.0005	0.0064
18:12:45	1.0099	-0.0213	-0.0208	18:23:45	0.0105	0.0012	0.0064
18:13:00	0.9929	-0.0161	-0.014	18:24:00	0.0318	0.0047	0.0064
18:13:15	0.976	-0.0126	-0.0208	18:24:15	0.0307	0.0081	0.0064
18:13:30	0.9602	-0.0109	-0.014	18:24:30	0.0297	0.0099	0.0064
18:13:45	0.9475	-0.0092	-0.014	18:24:45	0.0286	0.0116	0.0064
18:14:00	0.875	-0.0092	-0.0107	18:25:00	0.0286	0.0116	0.0064
18:14:15	0.5978	-0.0057	-0.0073	18:25:15	0.0297	0.0116	0.0064
18:14:30	0.4462	-0.0057	-0.0107	18:25:30	0.0307	0.0116	0.0064
18:14:45	0.3572	-0.0092	-0.0107	18:25:45	0.0307	0.0099	0.0064
18:26:00	0.0297	0.0099	0.0098	18:37:00	1.5866	-1.6252	-0.0345
18:26:15	0.0297	0.0099	0.0064	18:37:15	1.6369	-1.6269	-0.0345
18:26:30	0.0297	0.0099	0.0098	18:37:30	1.6108	-1.6269	-0.0345
18:26:45	0.0286	0.0081	0.0029	18:37:45	1.6274	-1.6286	-0.0345
18:27:00	0.0286	0.0081	0.0098	18:38:00	1.6769	-1.6286	-0.0412
18:27:15	0.0275	0.0081	0.0064	18:38:15	1.6526	-1.6304	-0.0378
18:27:30	-0.2439	0.0047	0.0064	18:38:30	1.6463	-1.6286	-0.0412
18:27:45	-0.1331	-1.4742	0.0098	18:38:45	1.6758	-1.6286	-0.0378

Table D-2

UVB-2 Pumping Test Results - Upper Injection Only
Former General Instrument Corporation Site
Hicksville, New York
July 14, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>	<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>
18:28:00	-0.0418	-1.5366	0.0064	18:39:00	1.7147	-1.6286	-0.0412
18:28:15	0.0541	-1.5627	-0.0005	18:39:15	1.6705	-1.6339	-0.0412
18:28:30	0.1963	-1.5714	-0.0005	18:39:30	1.7326	-1.6304	-0.0412
18:28:45	0.4356	-1.5852	-0.0005	18:39:45	1.7	-1.6356	-0.0412
18:29:00	0.5701	-1.5904	-0.0073	18:40:00	1.6958	-1.6321	-0.0412
18:29:15	0.6328	-1.5991	-0.0073	18:40:15	1.7442	-1.6286	-0.0412
18:29:30	0.6518	-1.6008	-0.014	18:40:30	1.7063	-1.6304	-0.0412
18:29:45	0.7238	-1.613	-0.014	18:40:45	1.721	-1.6339	-0.0412
18:30:00	0.8137	-1.6095	-0.0208	18:41:00	1.7399	-1.6356	-0.0412
18:30:15	1.0574	-1.6095	-0.014	18:41:15	1.7326	-1.6356	-0.0412
18:30:30	1.261	-1.6113	-0.0208	18:41:30	1.7894	-1.6339	-0.0412
18:30:45	1.4077	-1.6113	-0.0208	18:41:45	1.7284	-1.6339	-0.0412
18:31:00	1.494	-1.6182	-0.0242	18:42:00	1.7505	-1.6339	-0.0412
18:31:15	1.5488	-1.6165	-0.0277	18:42:15	1.7557	-1.6373	-0.0412
18:31:30	1.5824	-1.62	-0.0277	18:42:30	1.8293	-1.6304	-0.0412
18:31:45	1.6327	-1.6217	-0.0277	18:42:45	1.741	-1.6339	-0.0412
18:32:00	1.6432	-1.62	-0.0277	18:43:00	1.7726	-1.6321	-0.0412
18:32:15	1.6369	-1.6182	-0.0277	18:43:15	1.7652	-1.6356	-0.0412
18:32:30	1.6516	-1.6182	-0.0277	18:43:30	1.8009	-1.6339	-0.0412
18:32:45	1.66	-1.6235	-0.031	18:43:45	1.7526	-1.6321	-0.0412
18:33:00	1.6119	-1.6235	-0.0345	18:44:00	1.7978	-1.6321	-0.0412
18:33:15	1.66	-1.6269	-0.0345	18:44:15	1.8041	-1.6321	-0.0412
18:33:30	1.6358	-1.62	-0.0345	18:44:30	1.7967	-1.6286	-0.0412
18:33:45	1.6316	-1.6235	-0.0345	18:44:45	1.8408	-1.6339	-0.048
18:34:00	1.6474	-1.6217	-0.0345	18:45:00	1.7694	-1.6373	-0.0378
18:34:15	1.6495	-1.6095	-0.0345	18:45:15	1.7831	-1.6356	-0.0412
18:34:30	1.6516	-1.6165	-0.0412	18:45:30	1.7894	-1.6321	-0.0412
18:34:45	1.6674	-1.62	-0.0345	18:45:45	1.8251	-1.6339	-0.0412
18:35:00	1.6621	-1.6217	-0.0378	18:46:00	1.7873	-1.6304	-0.0412
18:35:15	1.6432	-1.62	-0.0345	18:46:15	1.8136	-1.6356	-0.0446
18:35:30	1.6232	-1.6217	-0.0345	18:46:30	1.8188	-1.6339	-0.0412
18:35:45	1.5877	-1.6252	-0.0345	18:46:45	1.7925	-1.6356	-0.0446
18:36:00	1.5467	-1.6235	-0.0345	18:47:00	1.8272	-1.6339	-0.0446
18:36:15	1.5593	-1.6286	-0.0345	18:47:15	1.803	-1.6339	-0.0446
18:36:30	1.5877	-1.6217	-0.0345	18:47:30	1.7904	-1.6321	-0.0412
18:36:45	1.553	-1.6235	-0.0378	18:47:45	1.8136	-1.6356	-0.0446
18:48:00	1.8398	-1.6269	-0.0446	18:59:00	0.765	-1.8233	-0.0208
18:48:15	1.8114	-1.6304	-0.048	18:59:15	0.801	-1.832	-0.0242
18:48:30	1.8366	-1.6321	-0.0446	18:59:30	0.8665	-1.8424	-0.0277
18:48:45	1.887	-1.6269	-0.0446	18:59:45	0.9993	-1.8406	-0.0277
18:49:00	1.8125	-1.6304	-0.0446	19:00:00	1.1788	-1.8476	-0.0345
18:49:15	1.8356	-1.6321	-0.0446	19:00:15	1.3223	-1.8441	-0.031
18:49:30	1.8681	-1.6304	-0.0446	19:00:30	1.4719	-1.8424	-0.0345
18:49:45	1.8083	-1.6304	-0.048	19:00:45	1.7305	-1.8494	-0.0345
18:50:00	1.9154	-1.6304	-0.0446	19:01:00	1.5688	-1.8529	-0.0412
18:50:15	2.0028	-1.6304	-0.0446	19:01:15	1.533	-1.8581	-0.0412

Table D-2

UVB-2 Pumping Test Results - Upper Injection Only
Former General Instrument Corporation Site
Hicksville, New York
July 14, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>	<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>
18:50:30	1.966	-1.6356	-0.0446	19:01:30	1.3603	-1.8546	-0.0412
18:50:45	1.9681	-1.6286	-0.0412	19:01:45	1.2546	-1.8667	-0.0446
18:51:00	2.0143	-1.6269	-0.0446	19:02:00	1.2125	-1.8667	-0.0446
18:51:15	1.9933	-1.6304	-0.0446	19:02:15	1.202	-1.8702	-0.0446
18:51:30	1.9765	-1.6339	-0.0412	19:02:30	1.2483	-1.867	-0.0412
18:51:45	1.9713	-1.6286	-0.0446	19:02:45	1.2778	-1.8688	-0.0446
18:52:00	1.9324	-1.6321	-0.0412	19:03:00	1.3202	-1.8667	-0.048
18:52:15	1.9996	-1.6321	-0.0412	19:03:15	1.4014	-1.874	-0.048
18:52:30	1.9555	-1.6339	-0.0412	19:03:30	1.5003	-1.8722	-0.048
18:52:45	1.9608	-1.6321	-0.0412	19:03:45	1.532	-1.8688	-0.048
18:53:00	1.9744	-1.6286	-0.0412	19:04:00	1.6663	-1.8685	-0.048
18:53:15	1.9828	-0.1734	-0.0412	19:04:15	1.7431	-1.8667	-0.048
18:53:30	1.9102	-0.0956	-0.0446	19:04:30	1.9102	-1.8459	-0.048
18:53:45	1.9471	-0.0645	-0.0412	19:04:45	1.945	-1.8633	-0.0548
18:54:00	1.9429	-0.0489	-0.0345	19:05:00	1.9755	-1.8615	-0.0548
18:54:15	1.8597	-0.0368	-0.0378	19:05:15	1.9954	-1.8667	-0.0548
18:54:30	1.6853	-0.0264	-0.0345	19:05:30	2.0301	-1.8598	-0.0548
18:54:45	1.6895	-0.0213	-0.0277	19:05:45	1.9965	-1.8581	-0.0548
18:55:00	1.5751	-0.0178	-0.0208	19:06:00	1.9975	-1.865	-0.0548
18:55:15	1.7946	-0.0126	-0.0277	19:06:15	2.0311	-1.8598	-0.0514
18:55:30	1.7694	-0.0109	-0.0208	19:06:30	2.0448	-1.8615	-0.0514
18:55:45	1.2715	-0.0109	-0.0208	19:06:45	2.0343	-1.8615	-0.0548
18:56:00	0.7344	-0.0109	-0.0174	19:07:00	2.0154	-1.8546	-0.0548
18:56:15	0.4748	-0.0109	-0.0208	19:07:15	2.029	-1.8615	-0.0548
18:56:30	0.3371	-0.0126	-0.014	19:07:30	2.0437	-1.8598	-0.0548
18:56:45	0.226	-0.0109	-0.014	19:07:45	2.0574	-1.8615	-0.0548
18:57:00	0.1772	-0.0092	-0.0073	19:08:00	2.0311	-1.8598	-0.0548
18:57:15	0.1486	-0.0057	-0.0107	19:08:15	2.0595	-1.8633	-0.0548
18:57:30	0.0169	-1.587	-0.014	19:08:30	2.0343	-1.865	-0.0548
18:57:45	0.0307	-1.7329	-0.0107	19:08:45	2.0333	-1.8546	-0.0514
18:58:00	0.0976	-1.7711	-0.0073	19:09:00	2.0826	-1.865	-0.0548
18:58:15	0.3148	-1.7989	-0.014	19:09:15	2.05	-1.8615	-0.0514
18:58:30	0.5744	-1.8111	-0.0174	19:09:30	2.0343	-1.865	-0.048
18:58:45	0.6942	-1.8181	-0.0174	19:09:45	2.1004	-1.8667	-0.0514
19:10:00	2.049	-1.8667	-0.0548	19:21:00	0.173	-0.0057	-0.014
19:10:15	2.0647	-1.865	-0.048	19:21:15	0.1433	-0.004	-0.0073
19:10:30	2.0458	-1.8615	-0.0548	19:21:30	0.1242	-0.0023	-0.0073
19:10:45	2.07	-1.872	-0.0548	19:21:45	0.1093	-0.0005	-0.0073
19:11:00	2.0847	-1.865	-0.048	19:22:00	0.0945	-0.0005	-0.0073
19:11:15	2.114	-1.8685	-0.0548	19:22:15	0.0849	-0.0005	-0.0073
19:11:30	2.0794	-1.8633	-0.048	19:22:30	0.0753	-0.004	-0.0005
19:11:45	2.0668	-1.8633	-0.0514	19:22:45	0.0679	-0.0092	-0.0005
19:12:00	2.069	-1.865	-0.0514	19:23:00	0.0636	-0.0109	-0.0038
19:12:15	2.0826	-1.8615	-0.0548	19:23:15	0.0594	-0.0126	-0.0038
19:12:30	2.0868	-1.865	-0.0548	19:23:30	0.0562	-0.0126	-0.0038
19:12:45	2.0868	-1.8633	-0.048	19:23:45	0.053	-0.0144	-0.0038

Table D-2

UVB-2 Pumping Test Results - Upper Injection Only
Former General Instrument Corporation Site
Hicksville, New York
July 14, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>	<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>
19:13:00	2.0773	-1.8581	-0.0514	19:24:00	0.0498	-0.0126	-0.0005
19:13:15	2.071	-1.8667	-0.0514	19:24:15	0.0488	-0.0109	-0.0005
19:13:30	2.0742	-1.8685	-0.0548	19:24:30	0.0467	-0.0092	-0.0005
19:13:45	2.0752	-1.865	-0.0548	19:24:45	0.0445	-0.0092	-0.0005
19:14:00	2.1204	-1.8615	-0.0514	19:25:00	0.0413	-0.0057	-0.0005
19:14:15	2.0815	-1.8598	-0.0548	19:25:15	0.0424	-0.0074	-0.0005
19:14:30	2.1004	-1.8615	-0.0548	19:25:30	0.0403	-0.0074	-0.0005
19:14:45	2.112	-1.8581	-0.048	19:25:45	-0.0065	-0.0057	-0.0005
19:15:00	2.0521	-1.865	-0.0548	19:26:00	0.0371	-0.004	-0.0005
19:15:15	2.0941	-1.8615	-0.0514	19:26:15	0.036	-0.0057	-0.0005
19:15:30	2.1392	-1.865	-0.0548	19:26:30	0.0339	-0.0023	0.0064
19:15:45	2.134	-1.8581	-0.0548	19:26:45	0.035	-0.0023	0.0064
19:16:00	2.0857	-1.8633	-0.048	19:27:00	0.0339	-0.0005	0.0064
19:16:15	2.0899	-1.8546	-0.0514	19:27:15	0.0328	-0.0005	0.0064
19:16:30	2.0983	-0.2132	-0.048	19:27:30	0.0328	-0.0023	0.0064
19:16:45	2.1183	-0.1077	-0.048	19:27:45	0.0307	-0.0057	0.0064
19:17:00	2.0595	-0.0731	-0.0446	19:28:00	0.0158	-0.004	0.0064
19:17:15	1.9923	-0.0541	-0.0412				
19:17:30	1.9681	-0.0403	-0.0378				
19:17:45	1.9839	-0.0299	-0.031				
19:18:00	1.9091	-0.0333	-0.0345				
19:18:15	1.7883	-0.0316	-0.0277				
19:18:30	1.6958	-0.0264	-0.0208				
19:18:45	1.6474	-0.0213	-0.0277				
19:19:00	1.5772	-0.0161	-0.0208				
19:19:15	1.4899	-0.0109	-0.0174				
19:19:30	1.5056	-0.0092	-0.0174				
19:19:45	0.9887	-0.004	-0.014				
19:20:00	0.6084	-0.004	-0.014				
19:20:15	0.4208	-0.004	-0.014				
19:20:30	0.2967	-0.0023	-0.0107				
19:20:45	0.2122	-0.004	-0.0107				

Table D-3

UVB-2 Pumping Test Results - Lower Injection Only
Former General Instrument Corporation Site
Hicksville, New York
July 15, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>	<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>
9:45:00	-0.0154	-0.0396	-0.1052	9:56:00	1.1092	-1.8996	0.8772
9:45:15	-0.0154	-0.0396	-0.1052	9:56:15	1.2169	-1.9101	0.9041
9:45:30	-0.0164	-0.0396	-0.1018	9:56:30	1.1852	-1.8979	0.6804
9:45:45	-0.0164	-0.0396	-0.1086	9:56:45	1.2295	-1.9014	0.5887
9:46:00	-0.0164	-0.0396	-0.1086	9:57:00	1.2559	-1.8962	0.6873
9:46:15	-0.0164	-0.0396	-0.1086	9:57:15	1.2748	-1.8927	0.8197
9:46:30	-0.0164	-0.0396	-0.0984	9:57:30	1.2822	-1.8892	0.9143
9:46:45	-0.0164	-0.0396	-0.0984	9:57:45	1.336	-1.884	0.9481
9:47:00	-0.0164	-0.0396	-0.1052	9:58:00	1.3678	-1.8805	1.0124
9:47:15	-0.0164	-0.0396	-0.1052	9:58:15	1.3942	-1.8822	1.0191
9:47:30	-0.0164	-0.0396	-0.0984	9:58:30	1.4132	-1.8736	1.0495
9:47:45	-0.0175	-0.0413	-0.1018	9:58:45	1.4068	-1.8805	1.0834
9:48:00	-0.0164	-0.0413	-0.1018	9:59:00	1.3626	-1.8788	1.08
9:48:15	-0.0175	-0.0396	-0.1052	9:59:15	1.4364	-1.8788	1.0901
9:48:30	-0.0164	-0.0413	-0.0984	9:59:30	1.3784	-1.8788	1.1103
9:48:45	-0.0154	-0.0413	-0.1052	9:59:45	1.3889	-1.8753	1.1239
9:49:00	-0.0164	-0.043	-0.1018	10:00:00	1.3752	-1.8788	1.117
9:49:15	-0.0186	-0.043	-0.1154	10:00:15	1.3626	-1.877	1.1204
9:49:30	-0.0186	-0.043	-0.1018	10:00:30	1.3615	-1.8718	1.1272
9:49:45	-0.0186	-0.043	-0.1018	10:00:45	1.429	-1.8788	1.1239
9:50:00	-0.0186	-0.043	-0.1052	10:01:00	1.4068	-1.8701	1.1407
9:50:15	-0.0186	-0.043	-0.1052	10:01:15	1.3921	-1.8788	1.1509
9:50:30	-0.0196	-0.043	-0.1052	10:01:30	1.3373	-1.8788	1.1441
9:50:45	-0.0196	-0.043	-0.1086	10:01:45	1.3436	-1.8666	1.1543
9:51:00	-0.1174	-0.043	-0.1018	10:02:00	1.3352	-1.8788	1.1543
9:51:15	-0.2401	-1.6821	-0.0984	10:02:15	1.3317	-1.8753	1.1475
9:51:30	-0.0334	-1.7777	-0.1052	10:02:30	1.3299	-1.8649	1.1475
9:51:45	-0.1174	-1.811	-0.1086	10:02:45	1.3984	-1.8736	1.1374
9:52:00	0.0175	-1.8336	-0.1119	10:03:00	1.3636	-1.8649	1.134
9:52:15	0.1091	-1.8457	-0.1154	10:03:15	1.3541	-1.877	1.1441
9:52:30	0.1516	-1.8388	-0.1222	10:03:30	1.4216	-1.877	1.1475
9:52:45	0.1708	-1.851	-0.1188	10:03:45	1.409	-1.8822	1.134
9:53:00	0.2651	-1.8597	-0.1256	10:04:00	1.3932	-1.8631	1.1374
9:53:15	0.3518	-1.8597	-0.1256	10:04:15	1.3889	-1.8753	1.1509
9:53:30	0.5871	-1.8631	-0.129	10:04:30	1.3795	-1.8822	1.1407
9:53:45	0.6315	-1.8701	-0.1324	10:04:45	1.4532	-1.8631	1.1272
9:54:00	0.7471	-1.8753	0.0171	10:05:00	1.4132	-1.8753	1.1306
9:54:15	0.8825	-1.8753	0.8838	10:05:15	1.4058	-1.8666	1.1509
9:54:30	0.9511	-1.884	1.0495	10:05:30	1.371	-1.8753	1.1374
9:54:45	0.9807	-1.8858	1.0765	10:05:45	1.37	-1.877	1.1509
9:55:00	0.9867	-1.8875	1.0968	10:06:00	1.3573	-1.8683	1.1407
9:55:15	1.0099	-1.8892	0.9785	10:06:15	1.4269	-1.8736	1.117
9:55:30	1.0501	-1.8875	0.9313	10:06:30	1.3594	-0.1986	1.1239
9:55:45	1.1441	-1.8892	0.8703	10:06:45	1.3995	-0.1226	1.1407

Table D-3

UVB-2 Pumping Test Results - Lower Injection Only
Former General Instrument Corporation Site
Hicksville, New York
July 15, 2004

Time	UVB-2 Upper	UVB-2 Middle	UVB-2 Lower	Time	UVB-2 Upper	UVB-2 Middle	UVB-2 Lower
(hh:mm:ss)	(psi)	(psi)	(psi)	(hh:mm:ss)	(psi)	(psi)	(psi)
10:07:00	1.2517	-0.088	-0.0678	10:18:00	1.817	-0.0482	-0.1562
10:07:15	1.143	-0.0707	-0.0474	10:18:15	1.8107	-0.0448	-0.1596
10:07:30	1.1304	-0.0603	-0.1018	10:18:30	1.7382	-0.0396	-0.1562
10:07:45	1.0554	-0.0517	-0.1154	10:18:45	1.7003	-0.0379	-0.1562
10:08:00	1.2337	-0.0482	-0.1188	10:19:00	1.6059	-0.0344	-0.1358
10:08:15	1.3107	-0.043	-0.1188	10:19:15	1.0871	-0.0327	-0.1493
10:08:30	1.162	-0.043	-0.1256	10:19:30	0.637	-0.0327	-0.1493
10:08:45	1.0353	-0.0448	-0.1222	10:19:45	0.4101	-0.0361	-0.146
10:09:00	0.9554	-0.043	-0.1222	10:20:00	0.2641	-0.0379	-0.1425
10:09:15	0.9332	-0.0413	-0.129	10:20:15	0.2068	-0.0396	-0.146
10:09:30	1.2675	-0.043	-0.1324	10:20:30	0.1665	-0.0396	-0.1425
10:09:45	1.4479	-0.0396	-0.1256	10:20:45	0.1283	-0.0396	0.3839
10:10:00	1.5059	-0.0396	-0.129	10:21:00	0.0953	-0.0379	0.8365
10:10:15	1.3054	-0.0396	-0.1256	10:21:15	0.073	-0.043	0.2753
10:10:30	0.801	-0.0379	-0.1222	10:21:30	0.0454	-0.0448	0.1564
10:10:45	0.4971	-0.0396	-0.1222	10:21:45	0.0345	-0.05	0.0274
10:11:00	0.3023	-0.0413	-0.1222	10:22:00	0.025	-0.0482	-0.0236
10:11:15	0.227	-0.0413	-0.1222	10:22:15	0.0197	-0.0448	-0.0338
10:11:30	0.1824	-0.0396	-0.1154	10:22:30	0.0154	-0.0448	-0.0474
10:11:45	-0.2743	-0.0396	-0.1086	10:22:45	0.0112	-0.0465	-0.078
10:12:00	-0.1174	-1.7204	-0.1018	10:23:00	0.008	-0.0465	-0.0882
10:12:15	-0.0728	-1.7864	-0.095	10:23:15	0.0048	-0.0465	-0.095
10:12:30	0.0922	-1.8128	-0.0882	10:23:30	0.0037	-0.0465	-0.1018
10:12:45	0.1994	-1.8301	-0.0882	10:23:45	-0.0047	-1.6421	-0.1052
10:13:00	0.2323	-1.8441	-0.0813	10:24:00	-0.0058	-1.7638	-0.1086
10:13:15	0.2408	-1.8493	-0.0882	10:24:15	-0.0037	-1.8038	-0.1119
10:13:30	0.3306	-1.8562	-0.095	10:24:30	-0.0016	-1.8197	-0.1154
10:13:45	0.5341	-1.8562	-0.1188	10:24:45	0.072	-1.8319	-0.1222
10:14:00	0.6656	-1.8562	-0.1358	10:25:00	0.4271	-1.8423	-0.129
10:14:15	0.8	-1.8545	-0.146	10:25:15	0.6973	-1.8441	-0.1358
10:14:30	0.8	-1.8666	-0.1493	10:25:30	0.948	-1.8457	-0.1392
10:14:45	0.7968	-1.8718	-0.1596	10:25:45	1.1905	-1.8475	-0.1493
10:15:00	0.8	-1.8718	-0.1697	10:26:00	1.3605	-1.8579	1.2488
10:15:15	0.9983	-1.8701	-0.146	10:26:15	1.4184	-1.851	1.9476
10:15:30	1.0839	-1.8736	-0.1664	10:26:30	1.4227	-1.8562	2.2175
10:15:45	1.3647	-1.8736	-0.1732	10:26:45	1.3678	-1.8562	2.3456
10:16:00	1.371	-0.2556	-0.1732	10:27:00	1.1483	-1.8562	2.3996
10:16:15	1.4438	-0.1382	-0.1765	10:27:15	0.9384	-1.8579	2.5444
10:16:30	1.4132	-0.1018	-0.1732	10:27:30	0.7005	-1.8457	2.5647
10:16:45	1.429	-0.0811	-0.1732	10:27:45	0.5934	-1.8423	2.6069
10:17:00	1.3139	-0.0673	-0.1732	10:28:00	0.5203	-1.8406	2.6373
10:17:15	1.1831	-0.0621	-0.1697	10:28:15	0.4557	-1.8406	2.6879
10:17:30	1.2801	-0.0569	-0.1664	10:28:30	0.4335	-1.8353	2.7047
10:17:45	1.7339	-0.0517	-0.1664	10:28:45	0.4706	-1.8232	2.7283

Table D-3

UVB-2 Pumping Test Results - Lower Injection Only
Former General Instrument Corporation Site
Hicksville, New York
July 15, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>	<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>
10:29:00	0.2514	-1.8441	2.7047	10:40:00	0.6019	-0.0845	-0.078
10:29:15	0.2651	-1.8475	2.7047	10:40:15	0.5383	-0.069	-0.1018
10:29:30	0.6603	-1.8441	2.7419	10:40:30	0.3592	-0.0569	-0.1086
10:29:45	0.7503	-1.8457	2.7452	10:40:45	0.2577	-0.05	-0.1154
10:30:00	0.8349	-1.851	2.7552	10:41:00	0.2302	-0.0465	-0.1188
10:30:15	0.8581	-1.8493	2.752	10:41:15	0.2959	-0.0465	-0.1188
10:30:30	0.8476	-1.851	2.7552	10:41:30	0.46	-0.0413	-0.129
10:30:45	0.8095	-1.8527	2.7283	10:41:45	0.3412	-0.0413	-0.129
10:31:00	0.6294	-1.8579	2.6812	10:42:00	0.2153	-0.043	-0.129
10:31:15	0.461	-1.8527	2.6643	10:42:15	0.1262	-0.0396	-0.129
10:31:30	0.3698	-1.8545	2.6541	10:42:30	0.0943	-0.043	-0.1256
10:31:45	0.2906	-1.851	2.6541	10:42:45	0.0645	-0.0413	-0.129
10:32:00	0.2864	-1.8527	2.6575	10:43:00	-0.3287	-0.043	-0.1256
10:32:15	0.2673	-1.851	2.6508	10:43:15	-0.1429	-1.7256	-0.129
10:32:30	0.2694	-1.8527	2.6508	10:43:30	-0.0642	-1.7829	1.7214
10:32:45	0.4366	-1.8527	2.6474	10:43:45	-0.0706	-1.818	2.2512
10:33:00	0.533	-1.8545	2.6608	10:44:00	-0.008	-1.8336	2.5714
10:33:15	0.5617	-1.8631	2.6575	10:44:15	-0.0653	-1.8284	2.671
10:33:30	0.5214	-1.8579	2.6575	10:44:30	0.009	-1.8388	2.8902
10:33:45	0.3953	-1.8562	2.6541	10:44:45	0.0794	-1.8475	2.7722
10:34:00	0.3065	-1.8649	2.6541	10:45:00	0.0112	-1.8597	2.6778
10:34:15	0.2694	-1.8562	2.6575	10:45:15	0.1007	-1.8597	2.6946
10:34:30	0.4472	-1.8614	2.6575	10:45:30	0.1463	-1.8579	2.779
10:34:45	0.4716	-1.8545	2.671	10:45:45	0.1325	-1.8579	2.8261
10:35:00	0.4631	-1.851	2.671	10:46:00	0.279	-1.8562	2.907
10:35:15	0.355	-1.8562	2.6846	10:46:15	0.1346	-1.8631	2.9307
10:35:30	0.2737	-1.8562	2.6846	10:46:30	0.1761	-1.8493	2.9644
10:35:45	0.2556	-1.8614	2.6846	10:46:45	0.1729	-1.8562	2.9711
10:36:00	0.2514	-1.8614	2.6846	10:47:00	0.1654	-1.8562	2.9778
10:36:15	0.3613	-1.8545	2.7013	10:47:15	0.1856	-1.8545	2.9947
10:36:30	0.479	-1.8527	2.6913	10:47:30	0.175	-1.8545	3.0082
10:36:45	0.5426	-1.8545	2.6946	10:47:45	0.1814	-1.8614	2.9913
10:37:00	0.4122	-1.8579	2.6913	10:48:00	0.1782	-1.8545	3.0082
10:37:15	0.3108	-1.8545	2.698	10:48:15	0.1718	-1.8527	3.0048
10:37:30	0.2726	-1.8562	2.698	10:48:30	0.1856	-1.8597	3.0183
10:37:45	0.3688	-1.8631	2.6744	10:48:45	0.1962	-1.8562	3.0149
10:38:00	0.5383	-1.8562	2.6879	10:49:00	0.1867	-1.8597	3.0082
10:38:15	0.5034	-1.8493	2.698	10:49:15	0.1941	-1.8579	3.0723
10:38:30	0.333	-1.8562	2.698	10:49:30	0.1633	-1.8579	3.0082
10:38:45	0.3171	-1.8579	2.7115	10:49:45	0.1909	-1.8579	3.0116
10:39:00	0.5108	-1.8579	2.7115	10:50:00	0.1729	-1.8545	2.9947
10:39:15	0.4716	-1.8545	2.7115	10:50:15	0.1729	-1.8562	3.0015
10:39:30	0.355	-0.2141	2.7182	10:50:30	0.1814	-1.8562	2.9778
10:39:45	0.3529	-0.1209	0.4834	10:50:45	0.1729	-1.8545	3.0082

Table D-3

UVB-2 Pumping Test Results - Lower Injection Only
Former General Instrument Corporation Site
Hicksville, New York
July 15, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>	<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>
10:51:00	0.2217	-1.8545	3.0015	11:02:00	0.3698	-1.8579	3.0283
10:51:15	0.1463	-1.8527	2.9947	11:02:15	0.1898	-1.8579	3.0183
10:51:30	0.1814	-1.8545	2.998	11:02:30	0.1941	-1.8527	3.0216
10:51:45	0.2079	-1.8493	3.0015	11:02:45	0.2461	-1.8597	3.0116
10:52:00	0.175	-1.8562	2.998	11:03:00	0.1941	-1.8579	3.0082
10:52:15	0.2397	-1.8579	2.9947	11:03:15	0.2047	-1.8493	3.0251
10:52:30	0.1548	-1.8388	2.9947	11:03:30	0.1973	-1.8527	3.0385
10:52:45	0.192	-1.8579	2.9913	11:03:45	0.1909	-1.8562	3.0318
10:53:00	0.1739	-1.8545	3.0015	11:04:00	0.2068	-1.8597	3.0385
10:53:15	0.1729	-1.8631	2.9711	11:04:15	0.1983	-1.8597	3.0587
10:53:30	0.2365	-1.8597	3.0351	11:04:30	0.2079	-1.8562	3.0621
10:53:45	0.2185	-1.8579	3.0082	11:04:45	0.1877	-1.8614	3.0419
10:54:00	0.1432	-1.8597	2.9913	11:05:00	0.1771	-1.8579	3.0351
10:54:15	0.1814	-1.8597	2.9947	11:05:15	0.1898	-1.8597	3.0385
10:54:30	0.1951	-1.8597	3.0015	11:05:30	0.1994	-1.8631	3.0553
10:54:45	0.1761	-1.8597	2.998	11:05:45	0.1856	-1.8614	3.0553
10:55:00	0.1803	-1.8597	2.9879	11:06:00	0.2195	-0.1779	0.8095
10:55:15	0.1994	-1.8614	2.998	11:06:15	0.2726	-0.1105	-0.0303
10:55:30	0.1654	-1.8562	2.9813	11:06:30	0.461	-0.0828	-0.0915
10:55:45	0.1845	-1.8493	3.0082	11:06:45	0.515	-0.0673	-0.1052
10:56:00	0.1856	-1.8527	3.0048	11:07:00	0.5881	-0.0534	-0.1154
10:56:15	0.426	-1.8423	3.0453	11:07:15	0.5183	-0.05	-0.1222
10:56:30	0.1782	-1.8545	3.0216	11:07:30	0.3709	-0.0448	-0.1222
10:56:45	0.1888	-1.8545	3.0216	11:07:45	0.2599	-0.043	-0.1188
10:57:00	0.1973	-1.8527	3.0183	11:08:00	0.2153	-0.0413	-0.129
10:57:15	0.1814	-1.8493	3.0149	11:08:15	0.425	-0.043	-0.1256
10:57:30	0.1973	-1.8545	3.0419	11:08:30	0.4176	-0.0413	-0.129
10:57:45	0.1792	-1.8527	3.0283	11:08:45	0.2599	-0.0396	-0.1324
10:58:00	0.2365	-1.851	3.0385	11:09:00	0.1835	-0.043	-0.1324
10:58:15	0.1962	-1.8475	3.0318	11:09:15	0.1272	-0.0465	-0.1222
10:58:30	0.1761	-1.8441	3.0216	11:09:30	0.0868	-0.043	-0.129
10:58:45	0.2015	-1.8597	3.0351	11:09:45	0.0571	-0.043	-0.1358
10:59:00	0.1803	-1.8493	3.0318	11:10:00	-0.1014	-0.043	-0.1324
10:59:15	0.1782	-1.8423	3.0149	11:10:15	-0.129	-1.6995	-0.1324
10:59:30	0.1909	-1.8527	3.0183	11:10:30	0.089	-1.7777	1.8632
10:59:45	0.3529	-1.851	3.0486	11:10:45	0.1973	-1.8093	2.7216
11:00:00	0.1877	-1.8527	3.0149	11:11:00	-0.1386	-1.8319	3.0723
11:00:15	0.1898	-1.8527	3.0216	11:11:15	-0.0791	-1.8371	3.2541
11:00:30	0.2005	-1.8545	3.0318	11:11:30	-0.0642	-1.8475	3.3349
11:00:45	0.1962	-1.8545	3.0116	11:11:45	-0.0525	-1.8562	3.2945
11:01:00	0.1845	-1.8527	3.0351	11:12:00	-0.027	-1.8579	3.2305
11:01:15	0.2068	-1.8493	3.0385	11:12:15	-0.0462	-1.8562	3.2911
11:01:30	0.1803	-1.8545	3.0251	11:12:30	-0.0313	-1.8597	3.3383
11:01:45	0.1697	-1.8493	3.0351	11:12:45	-0.0834	-1.8614	3.4123

Table D-3

UVB-2 Pumping Test Results - Lower Injection Only
Former General Instrument Corporation Site
Hicksville, New York
July 15, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>	<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-2 Upper</u> <u>(psi)</u>	<u>UVB-2 Middle</u> <u>(psi)</u>	<u>UVB-2 Lower</u> <u>(psi)</u>
11:13:00	0.038	-1.8493	3.4594	11:24:00	-0.129	-1.8493	3.5906
11:13:15	-0.0844	-1.8527	3.4897	11:24:15	0.0006	-1.8579	3.5906
11:13:30	0.0144	-1.8493	3.5099	11:24:30	-0.0685	-1.8493	3.5906
11:13:45	-0.0525	-1.8457	3.5401	11:24:45	-0.0228	-1.851	3.6011
11:14:00	-0.0504	-1.8423	3.5435	11:25:00	-0.0728	-1.8493	3.6078
11:14:15	-0.0674	-1.8423	3.5671	11:25:15	-0.0855	-1.8579	3.6247
11:14:30	-0.1301	-1.851	3.5637	11:25:30	-0.0515	-1.851	3.6112
11:14:45	-0.0844	-1.8545	3.5671	11:25:45	-0.1068	-1.851	3.6179
11:15:00	-0.0483	-1.8527	3.641	11:26:00	-0.0472	-1.851	3.6213
11:15:15	-0.0866	-1.851	3.5873	11:26:15	-0.0802	-1.8527	3.6146
11:15:30	-0.0536	-1.8493	3.5805	11:26:30	0.1824	-1.8441	3.6179
11:15:45	-0.1163	-1.851	3.5805	11:26:45	-0.1195	-1.8545	3.6078
11:16:00	-0.078	-1.8457	3.5537	11:27:00	-0.0462	-1.8406	3.6007
11:16:15	-0.0451	-1.8493	3.557	11:27:15	-0.0738	-1.851	3.6146
11:16:30	0.008	-1.8457	3.557	11:27:30	-0.0568	-1.8423	3.6112
11:16:45	-0.0738	-1.8301	3.5537	11:27:45	-0.0642	-1.8457	3.5973
11:17:00	-0.0419	-1.8406	3.5469	11:28:00	-0.0621	-1.8441	3.5973
11:17:15	-0.0908	-1.8457	3.5839	11:28:15	0.1262	-1.8441	3.6041
11:17:30	-0.0101	-1.8493	3.5772	11:28:30	0.0069	-1.8336	3.5977
11:17:45	-0.0749	-1.8527	3.5772	11:28:45	-0.0419	-1.8388	3.6078
11:18:00	0.106	-1.8441	3.5906	11:29:00	0.0635	-1.8441	3.6078
11:18:15	-0.0706	-1.851	3.5805	11:29:15	-0.0653	-1.8441	3.6415
11:18:30	-0.0791	-1.8527	3.5873	11:29:30	0.0037	-1.8457	3.6415
11:18:45	-0.0664	-1.8493	3.5704	11:29:45	-0.0632	-1.8493	3.6449
11:19:00	-0.0695	-1.8527	3.5704	11:30:00	-0.0919	-1.851	3.6482
11:19:15	-0.0047	-1.8493	3.5704	11:30:15	-0.0557	-1.8441	3.655
11:19:30	-0.0866	-1.851	3.5738	11:30:30	-0.0716	-1.8527	3.6348
11:19:45	-0.0218	-1.8493	3.5839	11:30:45	-0.1046	-1.8475	3.6382
11:20:00	-0.0802	-1.8545	3.5906	11:31:00	0.0454	-1.8457	3.655
11:20:15	-0.0664	-1.8475	3.5805	11:31:15	-0.161	-1.8493	3.6348
11:20:30	0.0985	-1.8457	3.5738	11:31:30	0.0133	-0.2936	3.6415
11:20:45	-0.0579	-1.8545	3.5772	11:31:45	0.0645	-0.1295	3.628
11:21:00	0.1071	-1.8493	3.5873	11:32:00	-0.0334	-0.0845	2.3658
11:21:15	-0.1142	-1.851	3.5873	11:32:15	-0.0728	-0.0621	-0.0507
11:21:30	-0.0133	-1.8475	3.5873	11:32:30	-0.1376	-0.05	-0.0303
11:21:45	-0.0536	-1.851	3.5973	11:32:45	-0.0027	-0.0413	-0.0678
11:22:00	-0.0791	-1.8441	3.6075	11:33:00	-0.0855	-0.0379	-0.0882
11:22:15	0.021	-1.8475	3.6007	11:33:15	-0.0366	-0.0361	-0.1018
11:22:30	-0.0706	-1.8545	3.5738	11:33:30	-0.0919	-0.0292	-0.1052
11:22:45	-0.1195	-1.8545	3.5738	11:33:45	0.1495	-0.0327	-0.1086
11:23:00	0.0783	-1.8475	3.5772	11:34:00	0.1378	-0.0344	-0.129
11:23:15	-0.0111	-1.8371	3.5772	11:34:15	0.0783	-0.0344	-0.1154
11:23:30	-0.077	-1.8457	3.5973	11:34:30	0.0186	-0.0361	-0.1154
11:23:45	0.009	-1.851	3.5839	11:34:45	0.0006	-0.0379	-0.0474

Table D-3

UVB-2 Pumping Test Results - Lower Injection Only
Former General Instrument Corporation Site
Hicksville, New York
July 15, 2004

Time (hh:mm:ss)	UVB-2 Upper (psi)	UVB-2 Middle (psi)	UVB-2 Lower (psi)
11:35:00	-0.0164	-0.0932	-0.1154
11:35:15	-0.027	-0.0517	-0.1119
11:35:30	-0.0282	-0.0482	-0.1188
11:35:45	-0.027	-0.0448	-0.1188
11:36:00	-0.0303	-0.0413	-0.1188
11:36:15	-0.0292	-0.0396	-0.1222
11:36:30	-0.0282	-0.0396	-0.1222
11:36:45	-0.0292	-0.0396	-0.1188
11:37:00	-0.0292	-0.0396	-0.1188
11:37:15	-0.0282	-0.0379	-0.1222
11:37:30	-0.0292	-0.0396	-0.1188
11:37:45	-0.0282	-0.0396	-0.1119
11:38:00	-0.027	-0.0396	-0.1188
11:38:15	-0.027	-0.0413	-0.0984
11:38:30	-0.027	-0.0413	-0.1119
11:38:45	-0.027	-0.0413	-0.1188
11:39:00	-0.027	-0.0396	-0.1188
11:39:15	-0.027	-0.0396	-0.1256
11:39:30	-0.027	-0.0396	-0.1188
11:39:45	-0.027	-0.0396	-0.1188
11:40:00	-0.027	-0.0379	-0.1256

Table D-4

UVB-3 Pumping Test Results - Extraction Only
Former General Instrument Corporation Site
Hicksville, New York
July 13, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-3 Upper</u> <u>(psi)</u>	<u>UVB-3 Middle</u> <u>(psi)</u>	<u>UVB-3 Lower</u> <u>(psi)</u>	<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-3 Upper</u> <u>(psi)</u>	<u>UVB-3 Middle</u> <u>(psi)</u>	<u>UVB-3 Lower</u> <u>(psi)</u>
16:02:00	-0.0004	0.0014	0.0106	16:13:00	-0.0099	-0.5757	-0.008
16:02:15	-0.0004	-0.0005	0.0106	16:13:15	-0.0075	-0.5757	-0.0043
16:02:30	-0.0004	0.0014	0.0068	16:13:30	-0.0099	-0.5776	-0.0043
16:02:45	0.0008	0.0014	0.0068	16:13:45	-0.0075	-0.5719	-0.008
16:03:00	-0.0016	-0.0005	0.0068	16:14:00	-0.0075	-0.5719	-0.008
16:03:15	-0.0004	0.0051	0.0068	16:14:15	-0.0064	-0.5738	-0.008
16:03:30	-0.0016	-0.0005	0.0068	16:14:30	-0.004	-0.5663	-0.008
16:03:45	-0.0016	0.0014	0.0068	16:14:45	-0.0087	-0.57	-0.008
16:04:00	0.0008	0.0014	0.0068	16:15:00	-0.0052	-1.435	-0.0117
16:04:15	0.0008	0.0014	0.0068	16:15:15	-0.0052	-1.367	-0.0201
16:04:30	0.002	-0.0005	0.0068	16:15:30	-0.0052	-1.2462	-0.0201
16:04:45	-0.0016	-0.0005	0.0068	16:15:45	-0.0064	-1.2444	-0.0201
16:05:00	0.0008	0.0014	0.0068	16:16:00	-0.0075	-1.0917	-0.0274
16:05:15	0.0008	0.0033	0.0068	16:16:15	-0.0075	-1.0804	-0.0274
16:05:30	0.0008	0.0014	0.0068	16:16:30	-0.0087	-1.0766	-0.0274
16:05:45	0.0008	0.0014	0.0068	16:16:45	-0.0099	-1.0709	-0.0274
16:06:00	0.0008	-0.0941	0.0106	16:17:00	-0.0087	-1.0672	-0.0274
16:06:15	-0.004	-0.096	0.0106	16:17:15	-0.0087	-1.0634	-0.0274
16:06:30	-0.0028	-0.096	0.0031	16:17:30	-0.0111	-1.0709	-0.0274
16:06:45	-0.0016	-0.8535	0.0106	16:17:45	-0.0075	-1.0672	-0.0274
16:07:00	-0.0016	-0.9497	0.0068	16:18:00	-0.0099	-1.0653	-0.0274
16:07:15	-0.0028	-0.9629	-0.0006	16:18:15	-0.0111	-1.069	-0.0274
16:07:30	0.0008	-0.9233	-0.008	16:18:30	-0.0099	-1.0672	-0.0274
16:07:45	-0.0016	-0.7725	-0.0043	16:18:45	-0.0111	-1.0634	-0.0348
16:08:00	-0.0028	-0.6245	-0.0043	16:19:00	-0.0111	-1.0653	-0.0348
16:08:15	-0.0028	-0.6056	-0.0006	16:19:15	-0.0123	-1.069	-0.0311
16:08:30	-0.0028	-0.5832	-0.0006	16:19:30	-0.0135	-1.0653	-0.0348
16:08:45	-0.004	-0.5776	-0.0043	16:19:45	-0.0123	-1.0408	-0.0348
16:09:00	-0.0028	-0.5813	-0.0006	16:20:00	-0.0111	-1.0667	-0.0348
16:09:15	-0.0064	-0.5795	-0.0006	16:20:15	-0.0087	-1.0615	-0.0274
16:09:30	-0.0075	-0.5832	-0.0043	16:20:30	-0.0099	-1.0596	-0.0274
16:09:45	-0.0052	-0.5757	-0.0006	16:20:45	-0.0135	-1.0704	-0.0274
16:10:00	-0.0064	-0.5795	-0.0043	16:21:00	-0.0123	-1.0615	-0.0274
16:10:15	-0.0099	-0.5776	-0.0043	16:21:15	-0.0135	-1.4444	-0.0274
16:10:30	-0.0123	-0.5738	-0.0006	16:21:30	-0.0135	-1.5275	-0.0348
16:10:45	-0.0087	-0.5795	-0.0006	16:21:45	-0.0123	-1.5804	-0.0274
16:11:00	-0.0099	-0.5776	-0.008	16:22:00	-0.0123	-1.588	-0.0348
16:11:15	-0.0111	-0.5738	-0.0006	16:22:15	-0.0123	-1.5937	-0.0348
16:11:30	-0.0099	-0.5757	-0.0043	16:22:30	-0.0135	-1.5974	-0.0422
16:11:45	-0.0087	-0.5757	-0.0043	16:22:45	-0.0159	-1.5994	-0.0422
16:12:00	-0.0099	-0.5795	-0.0043	16:23:00	-0.0159	-1.6107	-0.0422
16:12:15	-0.0099	-0.5719	-0.008	16:23:15	-0.0159	-1.6031	-0.0422
16:12:30	-0.0075	-0.5738	-0.0043	16:23:30	-0.0182	-1.6069	-0.0422
16:12:45	-0.0087	-0.5682	-0.008	16:23:45	-0.0194	-1.6013	-0.0386
16:24:00	-0.0182	-1.6069	-0.0386	16:35:00	-0.0182	-0.0098	-0.0117
16:24:15	-0.0171	-1.5994	-0.046	16:35:15	-0.0182	-0.0118	-0.0117

Table D-4

UVB-3 Pumping Test Results - Extraction Only
Former General Instrument Corporation Site
Hicksville, New York
July 13, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-3 Upper</u> <u>(psi)</u>	<u>UVB-3 Middle</u> <u>(psi)</u>	<u>UVB-3 Lower</u> <u>(psi)</u>	<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-3 Upper</u> <u>(psi)</u>	<u>UVB-3 Middle</u> <u>(psi)</u>	<u>UVB-3 Lower</u> <u>(psi)</u>
16:24:30	-0.0194	-1.6107	-0.0422	16:35:30	-0.0182	-0.0118	-0.008
16:24:45	-0.0206	-1.6069	-0.046	16:35:45	-0.0171	-0.0118	-0.008
16:25:00	-0.0206	-1.6107	-0.0422	16:36:00	-0.0159	-0.0118	-0.0043
16:25:15	-0.0206	-1.6164	-0.0422	16:36:15	-0.0159	-0.0098	-0.0043
16:25:30	-0.0206	-1.6031	-0.0422	16:36:30	-0.0159	-0.0118	-0.0006
16:25:45	-0.0218	-1.6126	-0.0422	16:36:45	-0.0159	-0.0136	-0.008
16:26:00	-0.0218	-1.6088	-0.0422	16:37:00	-0.0147	-0.0098	-0.008
16:26:15	-0.0218	-1.6107	-0.0496	16:37:15	-0.0135	-0.0061	-0.0043
16:26:30	-0.023	-1.6744	-0.0496	16:37:30	-0.0135	-0.0136	-0.0043
16:26:45	-0.0206	-1.6706	-0.0496	16:37:45	-0.0135	-0.0079	-0.0043
16:27:00	-0.0218	-1.6706	-0.0496	16:38:00	-0.0135	-0.0098	-0.0043
16:27:15	-0.023	-1.682	-0.0496	16:38:15	-0.0135	-0.0079	-0.0043
16:27:30	-0.0206	-1.6725	-0.0496	16:38:30	-0.0135	-0.0061	-0.008
16:27:45	-0.023	-1.6744	-0.0496	16:38:45	-0.0111	-0.0061	-0.008
16:28:00	-0.023	-1.6781	-0.0496	16:39:00	-0.0111	-0.0042	-0.0043
16:28:15	-0.0254	-1.6763	-0.0496	16:39:15	-0.0111	-0.0079	-0.0006
16:28:30	-0.0242	-1.6781	-0.0496	16:39:30	-0.0111	-0.0061	-0.0006
16:28:45	-0.0254	-1.682	-0.0496	16:39:45	-0.0111	-0.0005	-0.0006
16:29:00	-0.0266	-1.6725	-0.0496	16:40:00	-0.0111	-0.0061	-0.0006
16:29:15	-0.023	-1.682	-0.0496				
16:29:30	-0.0242	-1.6725	-0.0569				
16:29:45	-0.0242	-1.6744	-0.0569				
16:30:00	-0.0242	-1.6801	-0.0533				
16:30:15	-0.0242	-1.6744	-0.0569				
16:30:30	-0.0254	-1.6725	-0.0569				
16:30:45	-0.0266	-1.6801	-0.0569				
16:31:00	-0.0278	-1.6838	-0.0533				
16:31:15	-0.0254	-1.6801	-0.0533				
16:31:30	-0.0254	-1.682	-0.0569				
16:31:45	-0.0254	-1.6744	-0.0569				
16:32:00	-0.0278	-1.6781	-0.0533				
16:32:15	-0.0278	-0.1484	-0.0496				
16:32:30	-0.0278	-0.0829	-0.0422				
16:32:45	-0.0278	-0.0585	-0.0348				
16:33:00	-0.0266	-0.0454	-0.0311				
16:33:15	-0.0254	-0.0379	-0.0274				
16:33:30	-0.0254	-0.0304	-0.0238				
16:33:45	-0.0242	-0.0267	-0.0201				
16:34:00	-0.023	-0.023	-0.0163				
16:34:15	-0.0218	-0.0192	-0.0201				
16:34:30	-0.0206	-0.0154	-0.0201				
16:34:45	-0.0206	-0.0136	-0.0201				

Table D-5

UVB-3 Pumping Test Results - Upper Injection Only
Former General Instrument Corporation Site
Hicksville, New York
July 16, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-3 Upper</u> <u>(psi)</u>	<u>UVB-3 Middle</u> <u>(psi)</u>	<u>UVB-3 Lower</u> <u>(psi)</u>	<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-3 Upper</u> <u>(psi)</u>	<u>UVB-3 Middle</u> <u>(psi)</u>	<u>UVB-3 Lower</u> <u>(psi)</u>
11:00:00	0.002	0.0019	0.0003	11:11:00	0.0008	0.0001	0.0003
11:00:15	0.0008	0.0019	0.0003	11:11:15	0.002	-0.0037	0.0003
11:00:30	0.002	0.0019	0.0003	11:11:30	-0.2765	-0.058	-0.0071
11:00:45	0.0008	0.0019	0.0003	11:11:45	-0.079	-0.0599	-0.0035
11:01:00	0.002	0.0019	0.0003	11:12:00	-0.0278	-0.0617	-0.0035
11:01:15	0.0008	0.0019	0.0003	11:12:15	-0.0171	-0.058	0.0003
11:01:30	-0.0004	0.0001	0.0003	11:12:30	-0.0028	-0.0524	-0.0071
11:01:45	0.002	0.0001	0.0003	11:12:45	0.3531	-0.0055	0.0003
11:02:00	0.0008	0.0019	0.0003	11:13:00	0.1854	-0.0037	-0.0035
11:02:15	0.0008	0.0038	0.0003	11:13:15	0.0591	-0.0018	0.0003
11:02:30	0.0008	0.0019	0.0003	11:13:30	0.0258	0.0001	0.0003
11:02:45	0.002	0.0019	0.0003	11:13:45	0.0032	0.0001	0.0003
11:03:00	0.0008	0.0001	0.0003	11:14:00	-0.0266	-0.0037	0.0003
11:03:15	-0.0004	0.0001	-0.0035	11:14:15	0.0448	0.0001	0.0003
11:03:30	0.0008	0.0019	-0.0035	11:14:30	0.0151	0.0001	0.0003
11:03:45	0.0008	0.0019	0.0003	11:14:45	0.0079	0.0001	-0.0035
11:04:00	0.0008	0.0001	-0.0035	11:15:00	0.0079	0.0019	0.0003
11:04:15	0.0008	0.0001	0.0003	11:15:15	0.0008	0.0019	0.0003
11:04:30	0.0008	0.0001	0.0003	11:15:30	0.002	0.0001	0.0003
11:04:45	0.0008	0.0001	0.0003	11:15:45	-0.5628	-1.2404	-0.0035
11:05:00	0.0008	0.0001	0.0003	11:16:00	-0.1445	-1.4122	-0.0109
11:05:15	0.0008	0.0001	0.0003	11:16:15	0.277	-0.1179	-0.0146
11:05:30	0.0008	0.0019	0.0003	11:16:30	0.2163	-0.0411	-0.0146
11:05:45	0.0008	0.0019	0.0003	11:16:45	0.0591	-0.0224	-0.0109
11:06:00	0.002	0.0019	0.0003	11:17:00	0.0186	-0.0149	-0.0071
11:06:15	0.0008	0.0038	-0.0035	11:17:15	0.0091	-0.0111	-0.0071
11:06:30	0.0008	0.0001	0.0003	11:17:30	-0.0004	-0.0111	-0.0071
11:06:45	-0.0016	0.0019	0.0039	11:17:45	0.0008	-0.0074	-0.0035
11:07:00	0.0008	0.0001	0.0003	11:18:00	-0.6776	-0.0074	-0.0071
11:07:15	0.0008	0.0019	-0.0035	11:18:15	-0.1195	-0.1217	-0.0035
11:07:30	0.0008	0.0001	-0.0035	11:18:30	0.2021	-0.0243	-0.0035
11:07:45	0.0008	0.0019	0.0003	11:18:45	0.0734	-0.0149	-0.0035
11:08:00	0.0008	0.0019	0.0003	11:19:00	0.0329	-0.0093	-0.0035
11:08:15	-0.0075	0.0019	0.0003	11:19:15	0.0163	-0.0074	-0.0035
11:08:30	-0.0004	0.0001	0.0003	11:19:30	-0.2335	-0.8043	-0.0071
11:08:45	-0.0004	0.0019	0.0003	11:19:45	0.2699	-0.0243	-0.0071
11:09:00	0.0008	0.0019	-0.0035	11:20:00	0.1245	-0.0111	-0.0035
11:09:15	0.0008	0.0019	0.0003	11:20:15	0.0412	-0.0111	-0.0035
11:09:30	0.0032	0.0019	0.0003	11:20:30	0.021	-0.7685	-0.0035
11:09:45	0.002	0.0019	0.0003	11:20:45	0.0079	-0.7666	-0.0109
11:10:00	0.0008	0.0019	0.0003	11:21:00	0.0079	-0.474	-0.0146
11:10:15	0.0008	0.0001	0.0003	11:21:15	0.002	-0.4777	-0.0071
11:10:30	0.002	0.0019	-0.0035	11:21:30	-0.2077	-0.474	-0.0146
11:10:45	0.0008	0.0001	0.0003	11:21:45	-0.0373	-0.4852	-0.0146

Table D-5

UVB-3 Pumping Test Results - Upper Injection Only
Former General Instrument Corporation Site
Hicksville, New York
July 16, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-3 Upper</u> <u>(psi)</u>	<u>UVB-3 Middle</u> <u>(psi)</u>	<u>UVB-3 Lower</u> <u>(psi)</u>	<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-3 Upper</u> <u>(psi)</u>	<u>UVB-3 Middle</u> <u>(psi)</u>	<u>UVB-3 Lower</u> <u>(psi)</u>
11:22:00	0.0341	-0.4852	-0.0146	11:33:00	0.3162	-0.489	-0.0183
11:22:15	0.0674	-0.4833	-0.0146	11:33:15	0.321	-0.489	-0.0183
11:22:30	0.0817	-0.489	-0.0183	11:33:30	0.3258	-0.0655	-0.0183
11:22:45	0.096	-0.4908	-0.0146	11:33:45	0.505	-0.0299	-0.0109
11:23:00	0.115	-0.4946	-0.0183	11:34:00	0.2568	-0.0205	-0.0035
11:23:15	0.1233	-0.4908	-0.0146	11:34:15	0.1542	-0.891	-0.0109
11:23:30	0.1269	-0.4946	-0.0183	11:34:30	0.1316	-0.9589	-0.0146
11:23:45	0.1364	-0.4871	-0.0183	11:34:45	0.1304	-1.0274	-0.0219
11:24:00	0.1423	-0.4946	-0.0183	11:35:00	0.1293	-1.0386	-0.0257
11:24:15	0.1483	-0.4983	-0.0183	11:35:15	0.1186	-1.0481	-0.0257
11:24:30	0.1554	-0.4965	-0.0183	11:35:30	0.4196	-1.0575	-0.0257
11:24:45	0.1589	-0.4983	-0.0183	11:35:45	0.5664	-1.0518	-0.0294
11:25:00	0.1699	-0.4965	-0.0183	11:36:00	0.6092	-1.0575	-0.0294
11:25:15	0.1795	-0.4927	-0.0183	11:36:15	0.6566	-1.0556	-0.0294
11:25:30	0.2032	-0.4908	-0.0183	11:36:30	0.6898	-1.0613	-0.033
11:25:45	0.1554	-0.4871	-0.0146	11:36:45	0.71	-1.0631	-0.033
11:26:00	0.1506	-0.4927	-0.0183	11:37:00	0.7183	-1.0594	-0.0368
11:26:15	0.1613	-0.4965	-0.0183	11:37:15	0.7349	-1.0575	-0.0368
11:26:30	0.1675	-0.4927	-0.0183	11:37:30	0.7301	-1.0631	-0.0368
11:26:45	0.1699	-0.4908	-0.0183	11:37:45	0.7432	-1.0575	-0.0368
11:27:00	0.1735	-0.4946	-0.0183	11:38:00	0.742	-1.0594	-0.0368
11:27:15	0.1771	-0.4871	-0.0183	11:38:15	0.7538	-1.0631	-0.0368
11:27:30	0.1807	-0.4983	-0.0183	11:38:30	0.7515	-1.0651	-0.0368
11:27:45	0.189	-0.4946	-0.0183	11:38:45	0.755	-1.0613	-0.0368
11:28:00	0.1961	-0.4946	-0.0183	11:39:00	0.7633	-1.0651	-0.0404
11:28:15	0.2032	-0.4927	-0.0183	11:39:15	0.7669	-1.0613	-0.0368
11:28:30	0.2116	-0.4946	-0.0183	11:39:30	0.7716	-1.0631	-0.0404
11:28:45	0.2009	-0.4908	-0.0183	11:39:45	0.7693	-1.0613	-0.0404
11:29:00	0.214	-0.4946	-0.0183	11:40:00	0.7681	-1.0631	-0.033
11:29:15	0.2199	-0.489	-0.0183	11:40:15	0.7728	-1.0631	-0.0368
11:29:30	0.2223	-0.4908	-0.0183	11:40:30	0.7681	-1.0594	-0.0404
11:29:45	0.2389	-0.4908	-0.0183	11:40:45	0.7906	-1.0594	-0.0404
11:30:00	0.2509	-0.489	-0.0183	11:41:00	0.7716	-1.0631	-0.0404
11:30:15	0.2782	-0.4908	-0.0183	11:41:15	0.7799	-1.0631	-0.0368
11:30:30	0.2912	-0.4927	-0.0183	11:41:30	0.7764	-1.0575	-0.0404
11:30:45	0.3008	-0.4908	-0.0183	11:41:45	0.7799	-1.0575	-0.0368
11:31:00	0.3103	-0.4908	-0.0183	11:42:00	0.7811	-1.0651	-0.0368
11:31:15	0.3103	-0.4927	-0.0183	11:42:15	0.7859	-1.0594	-0.0404
11:31:30	0.315	-0.4927	-0.0183	11:42:30	0.7799	-1.0651	-0.0368
11:31:45	0.3127	-0.4946	-0.0183	11:42:45	0.7716	-1.0594	-0.0404
11:32:00	0.3115	-0.489	-0.0183	11:43:00	0.7764	-1.0651	-0.0404
11:32:15	0.3138	-0.4871	-0.0183	11:43:15	0.7859	-1.0594	-0.0368
11:32:30	0.315	-0.4852	-0.0183	11:43:30	0.774	-1.0689	-0.0441
11:32:45	0.3162	-0.4908	-0.0183	11:43:45	0.7788	-1.0631	-0.0368

Table D-5

UVB-3 Pumping Test Results - Upper Injection Only
Former General Instrument Corporation Site
Hicksville, New York
July 16, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-3 Upper</u> <u>(psi)</u>	<u>UVB-3 Middle</u> <u>(psi)</u>	<u>UVB-3 Lower</u> <u>(psi)</u>	<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-3 Upper</u> <u>(psi)</u>	<u>UVB-3 Middle</u> <u>(psi)</u>	<u>UVB-3 Lower</u> <u>(psi)</u>
11:44:00	0.774	-1.0613	-0.0404	11:55:00	1.1639	-1.6685	-0.0552
11:44:15	0.7823	-1.0575	-0.0404	11:55:15	1.1757	-1.6723	-0.0552
11:44:30	0.7764	-1.0613	-0.0368	11:55:30	1.1745	-1.6705	-0.0552
11:44:45	0.7811	-1.0631	-0.0368	11:55:45	1.1792	-1.6685	-0.0552
11:45:00	0.7788	-1.0631	-0.0404	11:56:00	1.1709	-1.6648	-0.0552
11:45:15	0.7752	-1.0594	-0.0404	11:56:15	1.1827	-1.6723	-0.0552
11:45:30	0.7716	-1.0575	-0.0368	11:56:30	1.1887	-1.661	-0.0552
11:45:45	0.7882	-1.0556	-0.0368	11:56:45	1.1733	-1.6685	-0.0552
11:46:00	0.7811	-1.0575	-0.0368	11:57:00	1.1827	-1.6705	-0.0552
11:46:15	0.7752	-1.0575	-0.0368	11:57:15	1.184	-1.6685	-0.059
11:46:30	0.774	-1.0594	-0.0368	11:57:30	1.1816	-1.6723	-0.0552
11:46:45	0.787	-1.0613	-0.0404	11:57:45	1.1863	-1.6705	-0.0552
11:47:00	0.7823	-1.0556	-0.0368	11:58:00	1.1709	-1.6742	-0.059
11:47:15	0.8084	-0.1423	-0.0404	11:58:15	1.2549	-0.2004	-0.0552
11:47:30	0.8178	-0.0617	-0.0257	11:58:30	1.5297	-0.0879	-0.0479
11:47:45	0.5842	-0.0374	-0.0294	11:58:45	1.5532	-0.0599	-0.0368
11:48:00	0.4065	-1.4915	-0.0257	11:59:00	1.4673	-0.0411	-0.0368
11:48:15	0.2972	-1.5912	-0.0294	11:59:15	1.0846	-0.0317	-0.0294
11:48:30	-0.1338	-1.6308	-0.0404	11:59:30	0.7385	-0.0224	-0.0257
11:48:45	0.5157	-1.6365	-0.0404	11:59:45	0.0258	-1.5312	-0.0257
11:49:00	0.8202	-1.6459	-0.0404	12:00:00	0.3958	-1.8689	-0.0294
11:49:15	0.838	-1.661	-0.0441	12:00:15	0.4588	-1.9161	-0.0404
11:49:30	0.8605	-1.6553	-0.0441	12:00:30	0.6673	-1.935	-0.0441
11:49:45	0.8782	-1.6648	-0.0479	12:00:45	0.9235	-1.9331	-0.0479
11:50:00	0.8951	-1.6629	-0.0479	12:01:00	0.933	-1.9577	-0.0479
11:50:15	0.9022	-1.6667	-0.0516	12:01:15	0.9295	-1.9577	-0.0516
11:50:30	0.9176	-1.6629	-0.0516	12:01:30	0.9306	-1.9672	-0.0552
11:50:45	0.9034	-1.6685	-0.0479	12:01:45	0.9389	-1.9464	-0.0552
11:51:00	0.9295	-1.6629	-0.0479	12:02:00	0.933	-1.9709	-0.0552
11:51:15	0.9271	-1.6572	-0.0516	12:02:15	0.9283	-1.9785	-0.059
11:51:30	0.9342	-1.6667	-0.0516	12:02:30	0.9223	-1.9842	-0.059
11:51:45	0.9306	-1.6723	-0.0552	12:02:45	0.9768	-1.9765	-0.059
11:52:00	0.946	-1.661	-0.0552	12:03:00	1.0538	-1.9747	-0.059
11:52:15	0.952	-1.6685	-0.0552	12:03:15	1.1024	-1.9728	-0.0626
11:52:30	0.9887	-1.6685	-0.0516	12:03:30	1.1698	-1.9595	-0.0626
11:52:45	1.0171	-1.6629	-0.0516	12:03:45	1.2017	-1.9672	-0.0626
11:53:00	1.0538	-1.6629	-0.0516	12:04:00	1.2478	-1.9709	-0.0626
11:53:15	1.0787	-1.6723	-0.0552	12:04:15	1.2631	-1.9747	-0.0626
11:53:30	1.1035	-1.6837	-0.0516	12:04:30	1.2829	-1.9804	-0.0626
11:53:45	1.1248	-1.6742	-0.0552	12:04:45	1.2924	-1.9709	-0.0626
11:54:00	1.1461	-1.6629	-0.0552	12:05:00	1.2983	-1.9765	-0.0626
11:54:15	1.1437	-1.6705	-0.0552	12:05:15	1.3066	-1.9747	-0.0626
11:54:30	1.1461	-1.6705	-0.0552	12:05:30	1.3125	-1.9709	-0.0626
11:54:45	1.1461	-1.6723	-0.0552	12:05:45	1.316	-1.9728	-0.0626

Table D-5

UVB-3 Pumping Test Results - Upper Injection Only
Former General Instrument Corporation Site
Hicksville, New York
July 16, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-3 Upper</u> <u>(psi)</u>	<u>UVB-3 Middle</u> <u>(psi)</u>	<u>UVB-3 Lower</u> <u>(psi)</u>	<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-3 Upper</u> <u>(psi)</u>	<u>UVB-3 Middle</u> <u>(psi)</u>	<u>UVB-3 Lower</u> <u>(psi)</u>
12:06:00	1.3397	-1.9747	-0.0664	12:17:00	1.4308	-1.9765	-0.0701
12:06:15	1.3479	-1.9842	-0.0626	12:17:15	1.4367	-1.9747	-0.0664
12:06:30	1.329	-1.9823	-0.0664	12:17:30	1.4508	-1.969	-0.0701
12:06:45	1.3137	-1.986	-0.0664	12:17:45	1.4555	-1.9804	-0.0664
12:07:00	1.2277	-1.986	-0.0664	12:18:00	1.4614	-1.9747	-0.0664
12:07:15	1.1827	-1.9899	-0.0664	12:18:15	1.4462	-1.9842	-0.0701
12:07:30	1.2005	-1.9804	-0.0664	12:18:30	1.4344	-1.9652	-0.0701
12:07:45	1.2241	-1.9765	-0.0664	12:18:45	1.4568	-1.9804	-0.0664
12:08:00	1.2383	-1.9765	-0.0664	12:19:00	1.4391	-1.9652	-0.0664
12:08:15	1.262	-1.9823	-0.0701	12:19:15	1.4308	-1.9634	-0.0701
12:08:30	1.2773	-1.9918	-0.0664	12:19:30	1.4473	-1.9785	-0.0664
12:08:45	1.282	-1.969	-0.0664	12:19:45	1.4568	-1.9765	-0.0664
12:09:00	1.29	-1.9899	-0.0701	12:20:00	1.4485	-1.9765	-0.0701
12:09:15	1.2817	-1.9804	-0.0701	12:20:15	1.4426	-1.9728	-0.0701
12:09:30	1.3089	-1.9595	-0.0664	12:20:30	1.4355	-1.9728	-0.0664
12:09:45	1.3113	-1.9747	-0.0701	12:20:45	1.4402	-1.9709	-0.0701
12:10:00	1.3089	-1.9823	-0.0664	12:21:00	1.4449	-1.9615	-0.0664
12:10:15	1.6275	-1.9728	-0.0701	12:21:15	1.4544	-1.9823	-0.0664
12:10:30	1.7452	-1.9879	-0.0701	12:21:30	1.4473	-1.9728	-0.0664
12:10:45	1.4815	-1.9615	-0.0701	12:21:45	1.4462	-0.2454	-0.0664
12:11:00	1.5097	-1.9765	-0.0701	12:22:00	1.4144	-0.103	-0.0552
12:11:15	1.5485	-1.9804	-0.0701	12:22:15	1.3527	-0.0655	-0.0479
12:11:30	1.5697	-1.9652	-0.0664	12:22:30	1.2829	-0.0449	-0.0404
12:11:45	1.6132	-1.9804	-0.0664	12:22:45	1.2501	-0.0317	-0.0368
12:12:00	1.6628	-1.9728	-0.0664	12:23:00	1.1059	-0.0261	-0.033
12:12:15	1.6735	-1.9652	-0.0664	12:23:15	0.8557	-0.0224	-0.0294
12:12:30	1.6449	-1.9728	-0.0664	12:23:30	0.6554	-0.0149	-0.0257
12:12:45	1.6343	-1.9804	-0.0664	12:23:45	0.4932	-0.013	-0.0219
12:13:00	1.605	-1.9804	-0.0664	12:24:00	0.3602	-0.0111	-0.0257
12:13:15	1.5956	-1.9823	-0.0664	12:24:15	0.2984	-0.0111	-0.0219
12:13:30	1.5803	-1.9765	-0.0664	12:24:30	0.271	-0.0074	-0.0183
12:13:45	1.5732	-1.9709	-0.0664	12:24:45	0.252	0.0001	-0.0146
12:14:00	1.5508	-1.9785	-0.0664	12:25:00	0.2366	-0.0018	-0.0146
12:14:15	1.5532	-1.9785	-0.0664	12:25:15	0.2924	0.0001	-0.0109
12:14:30	1.5285	-1.9634	-0.0664	12:25:30	0.1566	0.0001	-0.0146
12:14:45	1.5062	-1.9652	-0.0701	12:25:45	0.1304	0.0019	-0.0109
12:15:00	1.4815	-1.9765	-0.0664	12:26:00	0.1257	-0.0018	-0.0109
12:15:15	1.4708	-1.9595	-0.0664	12:26:15	0.1197	0.0001	-0.0109
12:15:30	1.4756	-1.9804	-0.0701	12:26:30	0.1138	0.0019	-0.0109
12:15:45	1.4579	-1.9879	-0.0701	12:26:45	0.1067	-0.0018	-0.0109
12:16:00	1.465	-1.9765	-0.0664	12:27:00	0.0995	-0.0093	-0.0109
12:16:15	1.4497	-1.9747	-0.0701	12:27:15	0.0924	-0.0055	-0.0071
12:16:30	1.4462	-1.9728	-0.0701	12:27:30	0.0841	-0.0074	-0.0071
12:16:45	1.4332	-1.9785	-0.0664	12:27:45	0.0746	-0.0018	-0.0071

Table D-5

UVB-3 Pumping Test Results - Upper Injection Only
Former General Instrument Corporation Site
Hicksville, New York
July 16, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-3 Upper</u> <u>(psi)</u>	<u>UVB-3 Middle</u> <u>(psi)</u>	<u>UVB-3 Lower</u> <u>(psi)</u>	<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-3 Upper</u> <u>(psi)</u>	<u>UVB-3 Middle</u> <u>(psi)</u>	<u>UVB-3 Lower</u> <u>(psi)</u>
12:28:00	0.0662	0.0019	-0.0071	12:39:00	0.002	0.0019	0.0003
12:28:15	0.0579	0.0038	-0.0071	12:39:15	0.0008	0.0001	0.0039
12:28:30	0.0508	-0.0018	-0.0071	12:39:30	0.0032	0.0001	0.0039
12:28:45	0.0436	-0.0074	-0.0071	12:39:45	-0.0004	0.0001	0.0039
12:29:00	0.0341	-0.0074	-0.0071	12:40:00	0.0008	0.0001	0.0039
12:29:15	0.027	-0.0055	-0.0035	12:40:15	0.002	0.0019	0.0003
12:29:30	0.0234	-0.0093	0.0003	12:40:30	0.0032	0.0001	0.0039
12:29:45	0.0198	-0.0074	0.0003	12:40:45	0.0008	0.0038	0.0039
12:30:00	0.0186	-0.0074	0.0003	12:41:00	-0.0004	0.0001	0.0003
12:30:15	0.0151	-0.0074	0.0003	12:41:15	0.0032	0.0001	0.0003
12:30:30	0.0127	-0.0037	0.0003	12:41:30	0.002	0.0019	0.0039
12:30:45	0.0115	-0.0018	0.0003	12:41:45	0.0008	0.0001	0.0039
12:31:00	0.0103	-0.0037	0.0003	12:42:00	0.0008	0.0038	0.0039
12:31:15	0.0103	-0.0037	0.0003	12:42:15	0.0032	0.0019	0.0039
12:31:30	0.0091	-0.0037	0.0003	12:42:30	0.002	0.0019	-0.0035
12:31:45	0.0091	-0.0037	0.0003	12:42:45	0.0032	0.0001	0.0039
12:32:00	0.0091	-0.0037	0.0003	12:43:00	0.0008	0.0001	0.0039
12:32:15	0.0079	0.0001	0.0003	12:43:15	0.002	0.0001	0.0039
12:32:30	0.0067	0.0001	0.0003	12:43:30	-0.0004	0.0001	0.0039
12:32:45	0.0067	-0.0037	0.0003	12:43:45	0.0008	0.0001	0.0039
12:33:00	0.0055	-0.0037	0.0003	12:44:00	0.002	0.0001	0.0039
12:33:15	0.0067	-0.0018	0.0003	12:44:15	0.0008	0.0038	0.0039
12:33:30	0.0044	-0.0037	0.0003	12:44:30	0.0008	0.0019	0.0003
12:33:45	0.0055	-0.0037	0.0003	12:44:45	-0.0004	0.0019	0.0039
12:34:00	0.0055	-0.0037	0.0003	12:45:00	-0.0004	0.0001	0.0039
12:34:15	0.0044	-0.0037	0.0003	12:45:15	-0.0004	0.0001	0.0039
12:34:30	0.0032	0.0001	0.0003	12:45:30	-0.0004	0.0001	0.0039
12:34:45	0.0044	-0.0018	0.0003	12:45:45	-0.0004	0.0001	0.0003
12:35:00	0.002	0.0001	0.0003	12:46:00	-0.0004	0.0019	0.0003
12:35:15	0.002	0.0001	0.0003	12:46:15	-0.0004	0.0038	0.0003
12:35:30	0.0032	0.0001	0.0003	12:46:30	-0.0004	0.0038	0.0003
12:35:45	0.0032	-0.0018	0.0003	12:46:45	-0.0052	0.0038	0.0003
12:36:00	0.0032	0.0001	0.0003	12:47:00	-0.0004	0.0038	-0.0035
12:36:15	0.002	0.0001	0.0003	12:47:15	-0.0004	0.0019	0.0003
12:36:30	0.002	0.0001	0.0003	12:47:30	-0.0004	0.0019	0.0039
12:36:45	0.0008	0.0019	0.0003	12:47:45	-0.0004	0.0019	0.0003
12:37:00	0.0044	0.0019	0.0003	12:48:00	-0.0004	0.0001	0.0003
12:37:15	0.002	0.0038	0.0003	12:48:15	-0.0004	0.0038	-0.0035
12:37:30	0.0008	0.0038	0.0003	12:48:30	0.0008	0.0038	0.0003
12:37:45	0.002	0.0038	0.0003	12:48:45	-0.0004	0.0038	0.0003
12:38:00	0.0044	0.0019	0.0003	12:49:00	-0.0004	0.0019	0.0003
12:38:15	0.002	0.0019	0.0003	12:49:15	0.002	0.0019	0.0003
12:38:30	0.0008	0.0038	0.0003	12:49:30	-0.0016	0.0019	0.0039
12:38:45	0.0008	0.0038	0.0003	12:49:45	-0.0004	0.0019	0.0003

Table D-5

UVB-3 Pumping Test Results - Upper Injection Only
Former General Instrument Corporation Site
Hicksville, New York
July 16, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-3 Upper</u> <u>(psi)</u>	<u>UVB-3 Middle</u> <u>(psi)</u>	<u>UVB-3 Lower</u> <u>(psi)</u>
12:50:00	-0.0004	0.0019	0.0003
12:50:15	-0.0004	0.0019	0.0003
12:50:30	0.0008	0.0038	0.0003
12:50:45	-0.0004	0.0019	0.0003
12:51:00	-0.0004	0.0019	0.0003
12:51:15	-0.0016	0.0019	0.0003
12:51:30	-0.0004	0.0038	0.0003
12:51:45	-0.0004	0.0038	0.0003
12:52:00	-0.0016	0.0038	0.0003
12:52:15	-0.0004	0.0038	0.0003
12:52:30	-0.0004	0.0038	0.0003
12:52:45	-0.0004	0.0038	0.0003
12:53:00	0.0008	0.0038	0.0003
12:53:15	-0.0016	0.0038	0.0003
12:53:30	0.0008	0.0038	0.0003
12:53:45	-0.0004	0.0038	0.0003
12:54:00	-0.0004	0.0038	0.0003
12:54:15	-0.0004	0.0038	0.0003
12:54:30	0.002	0.0019	0.0039
12:54:45	0.0008	0.0038	0.0003
12:55:00	-0.0004	0.0019	0.0003
12:55:15	-0.0004	0.0019	0.0003
12:55:30	0.0008	0.0057	0.0003
12:55:45	-0.0004	0.0019	0.0003
12:56:00	-0.0004	0.0038	0.0003
12:56:15	0.0008	0.0038	0.0003
12:56:30	-0.0004	0.0038	0.0003
12:56:45	-0.0004	0.0038	0.0003
12:57:00	-0.0016	0.0038	0.0003
12:57:15	0.0008	0.0038	0.0003
12:57:30	0.0008	0.0038	0.0003
12:57:45	0.0008	0.0057	0.0003
12:58:00	0.0008	0.0019	0.0003
12:58:15	-0.0004	0.0038	0.0003
12:58:30	0.0008	0.0038	0.0003
12:58:45	0.0008	0.0019	0.0039
12:59:00	0.0008	0.0038	0.0003
12:59:15	0.0008	0.0057	0.0039
12:59:30	0.0008	0.0038	0.0039
12:59:45	0.002	0.0038	0.0039
13:00:00	0.002	0.0057	0.0039

Table D-6

UVB-3 Pumping Test Results - Lower Injection Only
Former General Instrument Corporation Site
Hicksville, New York
July 16, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-3 Upper</u> <u>(psi)</u>	<u>UVB-3 Middle</u> <u>(psi)</u>	<u>UVB-3 Lower</u> <u>(psi)</u>	<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-3 Upper</u> <u>(psi)</u>	<u>UVB-3 Middle</u> <u>(psi)</u>	<u>UVB-3 Lower</u> <u>(psi)</u>
15:04:00	0.0436	0.0132	0.0187	15:15:00	0.8593	-1.9293	0.6038
15:04:15	0.0412	0.0132	0.0223	15:15:15	0.7894	-1.9331	0.5965
15:04:30	0.0389	0.0113	0.0187	15:15:30	0.9318	-1.9425	0.6075
15:04:45	0.0353	0.0113	0.0187	15:15:45	0.9401	-1.9407	0.6186
15:05:00	0.0317	0.0113	0.0187	15:16:00	0.9401	-1.9369	0.6001
15:05:15	0.0282	0.0113	0.015	15:16:15	0.9318	-1.9407	0.6186
15:05:30	0.0258	0.0151	0.015	15:16:30	0.9318	-1.9255	0.6112
15:05:45	0.0258	0.0113	0.0187	15:16:45	0.9259	-1.9388	0.6038
15:06:00	0.0234	0.0151	0.015	15:17:00	0.9223	-1.9312	0.6001
15:06:15	0.0246	-1.7233	0.0223	15:17:15	0.832	-1.9445	0.6112
15:06:30	0.021	-1.8537	1.3083	15:17:30	0.8569	-1.952	0.6261
15:06:45	0.0175	-1.8877	0.1195	15:17:45	0.864	-1.9464	0.5965
15:07:00	0.0175	-1.9104	0.1602	15:18:00	0.8652	-1.9539	0.5965
15:07:15	0.0139	-1.9199	0.3526	15:18:15	0.8522	-1.9464	0.6075
15:07:30	0.0567	-1.9312	1.2751	15:18:30	0.8581	-1.9502	0.5743
15:07:45	0.0734	-1.9255	1.4155	15:18:45	0.8344	-1.9388	0.5596
15:08:00	0.0781	-1.9123	1.4671	15:19:00	0.8557	-1.9539	0.5558
15:08:15	0.0793	-1.9218	1.397	15:19:15	0.8451	-1.9539	0.5485
15:08:30	0.0746	-1.9199	1.0948	15:19:30	0.851	-1.9502	0.5669
15:08:45	0.0817	-1.8972	-0.0219	15:19:45	0.851	-1.9445	0.5336
15:09:00	0.1102	-1.9142	0.4781	15:20:00	0.8617	-1.969	0.5373
15:09:15	0.1795	-1.9029	0.6149	15:20:15	0.8569	-1.952	0.5558
15:09:30	0.3602	-1.9274	0.6001	15:20:30	0.8463	-1.952	0.5262
15:09:45	0.4848	-1.9199	0.6112	15:20:45	0.8652	-1.9747	0.5262
15:10:00	0.6115	-1.9331	0.6075	15:21:00	0.8439	-1.9615	0.5299
15:10:15	0.7017	-1.9445	0.6149	15:21:15	0.8498	-1.9464	0.5299
15:10:30	0.7788	-1.9331	0.6038	15:21:30	0.8463	-1.9577	0.5669
15:10:45	0.8096	-1.9142	0.6075	15:21:45	0.864	-1.9558	0.5521
15:11:00	0.8297	-1.9407	0.6112	15:22:00	0.8439	-1.9445	0.5446
15:11:15	0.832	-1.9331	0.6075	15:22:15	0.8451	-1.9558	0.5596
15:11:30	0.8486	-1.9445	0.578	15:22:30	0.8534	-1.9595	0.5373
15:11:45	0.8498	-1.9199	0.589	15:22:45	0.8427	-1.9558	0.5669
15:12:00	0.8664	-1.9274	0.589	15:23:00	0.8593	-1.9577	0.5596
15:12:15	0.8652	-1.9331	0.6038	15:23:15	0.8569	-1.9464	0.5669
15:12:30	0.8569	-1.9274	0.6186	15:23:30	0.8522	-1.9558	0.5669
15:12:45	0.8605	-1.9274	0.6038	15:23:45	0.851	-1.9558	0.5632
15:13:00	0.8629	-1.9274	0.6261	15:24:00	0.8546	-1.9634	0.5705
15:13:15	0.8688	-1.9388	0.6038	15:24:15	0.8522	-1.9312	0.5669
15:13:30	0.8735	-1.9312	0.6075	15:24:30	0.8617	-1.952	0.5669
15:13:45	0.8735	-1.9312	0.6075	15:24:45	0.8522	-1.9502	0.5669
15:14:00	0.864	-1.9161	0.5965	15:25:00	0.8534	-1.9558	0.5485
15:14:15	0.8652	-1.918	0.6112	15:25:15	0.8415	-1.9425	0.5596
15:14:30	0.8747	-1.9369	0.6112	15:25:30	0.8451	-1.9577	0.578
15:14:45	0.8759	-1.9274	0.6186	15:25:45	0.8427	-1.9539	0.5558
15:26:00	0.8498	-1.9482	0.5743	15:37:00	0.2318	-1.9255	0.8808
15:26:15	0.8415	-1.9274	0.5596	15:37:15	0.258	-1.9255	0.8771

Table D-6

UVB-3 Pumping Test Results - Lower Injection Only
Former General Instrument Corporation Site
Hicksville, New York
July 16, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-3 Upper</u> <u>(psi)</u>	<u>UVB-3 Middle</u> <u>(psi)</u>	<u>UVB-3 Lower</u> <u>(psi)</u>	<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-3 Upper</u> <u>(psi)</u>	<u>UVB-3 Middle</u> <u>(psi)</u>	<u>UVB-3 Lower</u> <u>(psi)</u>
15:26:30	0.8463	-1.952	0.5743	15:37:30	0.3305	-1.9407	0.8919
15:26:45	0.8463	-1.9539	0.5669	15:37:45	0.416	-1.9293	0.9067
15:27:00	0.8475	-1.9577	0.5558	15:38:00	0.4825	-1.9274	0.8882
15:27:15	0.851	-1.952	0.5743	15:38:15	0.5169	-1.9312	0.8956
15:27:30	0.8522	-1.952	0.5854	15:38:30	0.5617	-1.9312	0.8512
15:27:45	0.851	-1.952	0.578	15:38:45	0.5818	-1.9369	0.9103
15:28:00	0.8581	-1.969	0.5596	15:39:00	0.589	-1.9142	0.456
15:28:15	0.8581	-1.9558	0.5705	15:39:15	0.6364	-1.9237	0.8217
15:28:30	0.8404	-1.9407	0.5521	15:39:30	0.6412	-1.9369	0.8512
15:28:45	0.8498	-1.9482	0.589	15:39:45	0.6376	-1.935	0.8512
15:29:00	0.8486	-1.9312	0.5669	15:40:00	0.6364	-1.9445	0.8587
15:29:15	0.8629	-1.9539	0.5485	15:40:15	0.6317	-1.9237	0.8698
15:29:30	0.8664	-1.9652	0.5596	15:40:30	0.6341	-1.9407	0.8882
15:29:45	0.8522	-1.9558	0.5596	15:40:45	0.6459	-1.9445	0.8771
15:30:00	0.8463	-1.9595	0.541	15:41:00	0.6376	-1.935	0.8845
15:30:15	0.8557	-1.9558	0.589	15:41:15	0.6305	-1.9407	0.8402
15:30:30	0.87	-1.9464	0.5816	15:41:30	0.6376	-1.9445	0.8512
15:30:45	0.8534	-1.9445	0.5596	15:41:45	0.6376	-1.9331	0.8808
15:31:00	0.8629	-1.9502	0.5558	15:42:00	0.6305	-1.9407	0.8549
15:31:15	0.8664	-1.9539	0.5705	15:42:15	0.6305	-1.935	0.8771
15:31:30	0.8759	-1.9464	0.5669	15:42:30	0.6329	-1.9407	0.8882
15:31:45	1.21	-0.1086	0.0003	15:42:45	0.6364	-1.9369	0.8512
15:32:00	1.3846	-0.0542	0.9767	15:43:00	0.6412	-1.9445	0.8734
15:32:15	1.2501	-0.0224	1.0801	15:43:15	0.6293	-1.9369	0.8549
15:32:30	0.6649	-0.0111	1.0948	15:43:30	0.6293	-1.9388	0.8623
15:32:45	0.3245	0.0019	0.7922	15:43:45	0.6293	-1.9425	0.8808
15:33:00	0.2044	0.0113	0.759	15:44:00	0.6282	-1.9425	0.914
15:33:15	0.1495	0.0151	0.7884	15:44:15	0.6293	-1.9464	0.8808
15:33:30	0.1138	0.0226	0.8033	15:44:30	0.6269	-1.9388	0.8882
15:33:45	0.0888	0.0282	0.8919	15:44:45	0.6388	-1.9482	0.8623
15:34:00	-0.3587	-1.7346	0.8845	15:45:00	0.6388	-1.935	0.8734
15:34:15	-0.029	-1.8556	0.8845	15:45:15	0.6353	-1.935	0.8919
15:34:30	0.0293	-1.8839	0.8808	15:45:30	0.6305	-1.9407	0.8698
15:34:45	0.0484	-1.901	0.8587	15:45:45	0.6293	-1.9502	0.8845
15:35:00	0.0591	-1.8972	0.9029	15:46:00	0.6317	-1.9425	0.8956
15:35:15	0.1031	-1.9142	0.8623	15:46:15	0.621	-1.9464	0.914
15:35:30	0.1281	-1.9199	0.8956	15:46:30	0.6364	-1.9482	0.9177
15:35:45	0.1483	-1.9161	0.8291	15:46:45	0.8297	-0.1142	0.112
15:36:00	0.1675	-1.9293	0.7701	15:47:00	0.6412	-0.0486	-0.1107
15:36:15	0.1878	-1.935	0.807	15:47:15	0.4742	-0.0299	-0.1218
15:36:30	0.2032	-1.9407	0.8181	15:47:30	0.3293	-0.0149	-0.0996
15:36:45	0.2152	-1.9331	0.8402	15:47:45	0.2413	-0.0074	0.2451
15:48:00	0.208	-0.0037	0.7405	15:59:00	0.2888	-0.1779	1.0912
15:48:15	0.1771	0.0057	1.4155	15:59:15	0.252	-0.0505	-0.2807
15:48:30	0.1364	-1.8159	1.6001	15:59:30	0.0888	-0.0224	-0.059
15:48:45	0.09	-1.8726	1.6037	15:59:45	0.0674	-1.5898	0.0703

Table D-6

UVB-3 Pumping Test Results - Lower Injection Only
Former General Instrument Corporation Site
Hicksville, New York
July 16, 2004

<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-3 Upper</u> <u>(psi)</u>	<u>UVB-3 Middle</u> <u>(psi)</u>	<u>UVB-3 Lower</u> <u>(psi)</u>	<u>Time</u> <u>(hh:mm:ss)</u>	<u>UVB-3 Upper</u> <u>(psi)</u>	<u>UVB-3 Middle</u> <u>(psi)</u>	<u>UVB-3 Lower</u> <u>(psi)</u>
15:49:00	0.0615	-1.8934	0.0667	16:00:00	-0.0849	-1.831	1.2788
15:49:15	0.0496	-1.9085	-0.1071	16:00:15	0.0508	-1.8953	1.4192
15:49:30	0.0424	-1.9104	1.0874	16:00:30	0.0698	-1.8972	1.493
15:49:45	0.0793	-1.9142	1.3195	16:00:45	0.0722	-1.9104	1.5778
15:50:00	0.0044	-1.9293	1.4819	16:01:00	0.0626	-1.9255	1.5447
15:50:15	0.1685	-1.9482	1.5336	16:01:15	0.0626	-1.9255	1.5114
15:50:30	0.1949	-1.9293	1.6627	16:01:30	0.0496	-1.9161	1.5631
15:50:45	0.2021	-1.9199	1.7144	16:01:45	0.0567	-1.9274	1.5631
15:51:00	0.2032	-1.918	1.7144	16:02:00	0.0484	-1.918	1.5816
15:51:15	0.1973	-1.9199	1.6812	16:02:15	0.0448	-1.9255	1.5778
15:51:30	0.1866	-1.9066	1.637	16:02:30	0.0353	-1.9029	1.5853
15:51:45	0.1902	-1.9199	1.6001	16:02:45	0.0365	-1.9199	1.5927
15:52:00	0.1866	-1.9104	1.5336	16:03:00	0.0234	-1.9161	1.6037
15:52:15	0.1878	-1.9104	1.552	16:03:15	0.0258	-1.9048	1.5927
15:52:30	0.1759	-1.9048	1.5336	16:03:30	0.0282	-1.9312	1.5816
15:52:45	0.1723	-1.9142	1.5557	16:03:45	0.0186	-1.9142	1.5853
15:53:00	0.1795	-1.9104	1.5188	16:04:00	0.0186	-1.9161	1.5927
15:53:15	0.1699	-1.9312	1.5299	16:04:15	0.0127	-1.9199	0.7295
15:53:30	0.1649	-1.9237	1.5225	16:04:30	0.0091	-1.918	0.1823
15:53:45	0.1625	-1.9274	1.4892	16:04:45	0.0591	-0.0954	-0.0737
15:54:00	0.1566	-1.9161	1.541	16:05:00	0.321	-0.0411	0.0003
15:54:15	0.1459	-1.901	1.552	16:05:15	0.1542	-1.8575	-0.0035
15:54:30	0.1542	-1.9293	1.5484	16:05:30	0.0793	-1.9048	-0.0146
15:54:45	0.14	-1.9237	1.5188	16:05:45	0.0519	-0.1179	-0.0146
15:55:00	0.1304	-1.9274	1.4967	16:06:00	0.0484	-0.0468	-0.0257
15:55:15	0.1304	-1.9312	1.4856	16:06:15	0.0698	-0.0299	-0.0146
15:55:30	0.1221	-1.9066	1.4892	16:06:30	0.0793	-0.0149	-0.0071
15:55:45	0.1269	-1.9199	1.4967	16:06:45	0.0829	-0.0111	-0.0071
15:56:00	0.1162	-1.9255	1.4819	16:07:00	0.0805	-0.0037	0.0003
15:56:15	0.1138	-1.9123	1.4487				
15:56:30	0.1102	-1.9274	1.4708				
15:56:45	0.1138	-1.9293	1.4746				
15:57:00	0.1126	-1.9218	1.4487				
15:57:15	0.1055	-1.9255	1.4671				
15:57:30	0.1102	-1.9312	1.4413				
15:57:45	0.1007	-1.9237	1.4892				
15:58:00	0.1043	-1.9218	1.4634				
15:58:15	0.1031	-1.918	1.4671				
15:58:30	0.1067	-1.9048	1.4598				
15:58:45	0.0924	-1.9199	1.4634				

Appendix E – VOC Removal Efficiency Sampling Laboratory Reports

S A M P L E I N F O R M A T I O N

Date: 08/03/2004

Job Number.: 207138

Customer...: ENVIRONMENTAL STRATEGIES CONSULTING LLC

Attn.....: Leslie Sherburne

Project Number.....: 20000803

Customer Project ID....: HICKSVILLE SITE

Project Description....: Hicksville Site

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
207138-1	UVB-2-IN	Water	07/16/2004	07:42	07/17/2004	10:30
207138-2	UVB-2-OUT	Water	07/16/2004	07:47	07/17/2004	10:30
207138-3	UVB-3-OUT	Water	07/16/2004	09:45	07/17/2004	10:30
207138-4	UVB-3-IN	Water	07/16/2004	09:35	07/17/2004	10:30
207138-5	UVB-2-IN	Water	07/15/2004	17:56	07/17/2004	10:30
207138-6	UVB-2-OUT	Water	07/15/2004	18:10	07/17/2004	10:30
207138-7	UVB-2-IN2	Water	07/15/2004	18:30	07/17/2004	10:30
207138-8	UVB-3-IN	Water	07/16/2004	16:20	07/17/2004	10:30
207138-9	UVB-3-OUT	Water	07/16/2004	16:25	07/17/2004	10:30
207138-10	TRIP BLANK	Water	07/15/2004	00:00	07/17/2004	10:30
207138-11	UVB-1-IN	Water	07/16/2004	16:52	07/17/2004	10:30
207138-12	UVB-1-OUT	Water	07/16/2004	16:56	07/17/2004	10:30
207138-13	UVB-1-IN	Water	07/16/2004	17:25	07/17/2004	10:30
207138-14	UVB-1-OUT	Water	07/16/2004	17:30	07/17/2004	10:30

Customer Sample ID: UVB-2-IN Laboratory Sample ID: 207138-1
 Date Sampled.....: 07/16/2004 Date Received.....: 07/17/2004
 Time Sampled.....: 07:42 Time Received.....: 10:30
 Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)										
	Chloromethane	ND	U	7	25	5.00000	ug/L	35931		07/28/04 1446	pam
	Vinyl chloride	120	U	3	25	5.00000	ug/L	35931		07/28/04 1446	pam
	Bromomethane	ND	U	14	25	5.00000	ug/L	35931		07/28/04 1446	pam
	Chloroethane	ND	U	8	25	5.00000	ug/L	35931		07/28/04 1446	pam
	1,1-Dichloroethene	33	U	4	25	5.00000	ug/L	35931		07/28/04 1446	pam
	Carbon disulfide	ND	U	2	25	5.00000	ug/L	35931		07/28/04 1446	pam
	Acetone	ND	U	10	50	5.00000	ug/L	35931		07/28/04 1446	pam
	Methylene chloride	ND	U	3	25	5.00000	ug/L	35931		07/28/04 1446	pam
	trans-1,2-Dichloroethene	ND	U	2	25	5.00000	ug/L	35931		07/28/04 1446	pam
	1,1-Dichloroethane	ND	U	2	25	5.00000	ug/L	35931		07/28/04 1446	pam
	Vinyl acetate	ND	U	10	25	5.00000	ug/L	35931		07/28/04 1446	pam
	cis-1,2-Dichloroethane	840	U	4	25	5.00000	ug/L	35931		07/28/04 1446	pam
	2-Butanone (MEK)	ND	U	8	50	5.00000	ug/L	35931		07/28/04 1446	pam
	Chloroform	ND	U	3	25	5.00000	ug/L	35931		07/28/04 1446	pam
	1,1,1-Trichloroethane	36	U	4	25	5.00000	ug/L	35931		07/28/04 1446	pam
	Carbon tetrachloride	ND	U	4	25	5.00000	ug/L	35931		07/28/04 1446	pam
	Benzene	ND	U	2	25	5.00000	ug/L	35931		07/28/04 1446	pam
	1,2-Dichloroethane	300	U	3	25	5.00000	ug/L	35931		07/28/04 1446	pam
	Trichloroethene	ND	U	4	25	5.00000	ug/L	35931		07/28/04 1446	pam
	1,2-Dichloropropane	ND	U	4	25	5.00000	ug/L	35931		07/28/04 1446	pam
	Bromodichloromethane	ND	U	4	25	5.00000	ug/L	35931		07/28/04 1446	pam
	cis-1,3-Dichloropropene	ND	U	2	25	5.00000	ug/L	35931		07/28/04 1446	pam
	4-Methyl-2-pentanone (MIBK)	ND	U	4	25	5.00000	ug/L	35931		07/28/04 1446	pam
	Toluene	3	U	4	50	5.00000	ug/L	35931		07/28/04 1446	pam
	trans-1,3-Dichloropropene	ND	U	2	25	5.00000	ug/L	35931		07/28/04 1446	pam
	1,1,2-Trichloroethane	ND	U	4	25	5.00000	ug/L	35931		07/28/04 1446	pam
	Tetrachloroethene	78	U	4	25	5.00000	ug/L	35931		07/28/04 1446	pam
	2-Hexanone	ND	U	4	50	5.00000	ug/L	35931		07/28/04 1446	pam

Job Number: 207138

LABORATORY TEST RESULTS

Date: 08/03/2004

CLIENT: ENVIRONMENTAL STRATEGIES CONSULTING LLC

PROJECT: HICKSVILLE SITE

ATTN: Leslie Sherburne

Customer Sample ID: UVB-2-IN
Date Sampled.....: 07/16/2004
Time Sampled.....: 07:42
Sample Matrix.....: Water

Laboratory Sample ID: 207138-1
Date Received.....: 07/17/2004
Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U	2	25	5.00000	ug/L	35931		07/28/04 1446	pan
	Chlorobenzene	ND	U	2	25	5.00000	ug/L	35931		07/28/04 1446	pan
	Ethylbenzene	ND	U	2	25	5.00000	ug/L	35931		07/28/04 1446	pan
	Styrene	ND	U	4	25	5.00000	ug/L	35931		07/28/04 1446	pan
	Bromoform	ND	U	4	25	5.00000	ug/L	35931		07/28/04 1446	pan
	1,1,2,2-Tetrachloroethane	ND	U	4	25	5.00000	ug/L	35931		07/28/04 1446	pan
	Xylenes (total)	ND	U	4	25	5.00000	ug/L	35931		07/28/04 1446	pan
	1,3-Dichlorobenzene	ND	U	4	25	5.00000	ug/L	35931		07/28/04 1446	pan
	1,4-Dichlorobenzene	ND	U	2	25	5.00000	ug/L	35931		07/28/04 1446	pan
	1,2-Dichlorobenzene	ND	U	4	25	5.00000	ug/L	35931		07/28/04 1446	pan
		32									

* In Description = Dry Wgt.

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)										
	Chloromethane	ND	U	1	5	1.00000	ug/L	35895		07/27/04 1426	pam
	Vinyl chloride	6		0.6	5	1.00000	ug/L	35895		07/27/04 1426	pam
	Bromomethane	ND	U	3	5	1.00000	ug/L	35895		07/27/04 1426	pam
	Chloroethane	ND	U	2	5	1.00000	ug/L	35895		07/27/04 1426	pam
	1,1-Dichloroethene	2		0.8	5	1.00000	ug/L	35895		07/27/04 1426	pam
	Carbon disulfide	ND	U	0.4	5	1.00000	ug/L	35895		07/27/04 1426	pam
	Acetone	ND	U	2	10	1.00000	ug/L	35895		07/27/04 1426	pam
	Methylene chloride	ND	U	0.6	5	1.00000	ug/L	35895		07/27/04 1426	pam
	trans-1,2-Dichloroethene	ND	U	0.5	5	1.00000	ug/L	35895		07/27/04 1426	pam
	1,1-Dichloroethane	ND	U	0.4	5	1.00000	ug/L	35895		07/27/04 1426	pam
	Vinyl acetate	ND	U	2	5	1.00000	ug/L	35895		07/27/04 1426	pam
	cis-1,2-Dichloroethene	170		0.7	5	1.00000	ug/L	35895		07/27/04 1426	pam
	2-Butanone (MEK)	ND	U	2	10	1.00000	ug/L	35895		07/27/04 1426	pam
	Chloroform	ND	U	0.6	5	1.00000	ug/L	35895		07/27/04 1426	pam
	1,1,1-Trichloroethane	ND	U	0.9	5	1.00000	ug/L	35895		07/27/04 1426	pam
	Carbon tetrachloride	ND	U	0.6	5	1.00000	ug/L	35895		07/27/04 1426	pam
	Benzene	ND	U	0.5	5	1.00000	ug/L	35895		07/27/04 1426	pam
	1,2-Dichloroethane	ND	U	0.6	5	1.00000	ug/L	35895		07/27/04 1426	pam
	Trichloroethene	40		0.8	5	1.00000	ug/L	35895		07/27/04 1426	pam
	1,2-Dichloropropane	ND	U	0.7	5	1.00000	ug/L	35895		07/27/04 1426	pam
	Bromodichloromethane	ND	U	0.7	5	1.00000	ug/L	35895		07/27/04 1426	pam
	cis-1,3-Dichloropropene	ND	U	0.4	5	1.00000	ug/L	35895		07/27/04 1426	pam
	4-Methyl-2-pentanone (MIBK)	ND	U	0.9	10	1.00000	ug/L	35895		07/27/04 1426	pam
	Toluene	ND	U	0.4	5	1.00000	ug/L	35895		07/27/04 1426	pam
	trans-1,3-Dichloropropene	ND	U	0.8	5	1.00000	ug/L	35895		07/27/04 1426	pam
	1,1,2-Trichloroethane	ND	U	0.8	5	1.00000	ug/L	35895		07/27/04 1426	pam
	Tetrachloroethene	9		0.4	5	1.00000	ug/L	35895		07/27/04 1426	pam
	2-Hexanone	ND	U	0.7	10	1.00000	ug/L	35895		07/27/04 1426	pam

LABORATORY TEST RESULTS

Job Number: 207138

Date: 08/03/2004

ISTOMER: ENVIRONMENTAL STRATEGIES CONSULTING LLC

PROJECT: HICKSVILLE SITE

ATTN: Leslie Sherburne

Customer Sample ID: UVB-2-OUT
 Date Sampled.....: 07/16/2004
 Time Sampled.....: 07:47
 Sample Matrix.....: Water

Laboratory Sample ID: 207138-2
 Date Received.....: 07/17/2004
 Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.5	5	1.00000	ug/L	35895		07/27/04 1426	pan
	Chlorobenzene	ND	U		0.5	5	1.00000	ug/L	35895		07/27/04 1426	pan
	Ethylbenzene	ND	U		0.5	5	1.00000	ug/L	35895		07/27/04 1426	pan
	Styrene	ND	U		0.7	5	1.00000	ug/L	35895		07/27/04 1426	pan
	Bromoform	ND	U		0.8	5	1.00000	ug/L	35895		07/27/04 1426	pan
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	35895		07/27/04 1426	pan
	Xylenes (total)	ND	U		0.9	5	1.00000	ug/L	35895		07/27/04 1426	pan
	1,3-Dichlorobenzene	ND	U		0.8	5	1.00000	ug/L	35895		07/27/04 1426	pan
	1,4-Dichlorobenzene	ND	U		0.4	5	1.00000	ug/L	35895		07/27/04 1426	pan
	1,2-Dichlorobenzene	12	U		0.9	5	1.00000	ug/L	35895		07/27/04 1426	pan

* In Description = Dry Wgt.

STORM: ENVIRONMENTAL STRATEGIES CONSULTING LLC PROJECT: HICKSVILLE SITE ATTN: Leslie Sherburne

Customer Sample ID: UVB-3-OUT Laboratory Sample ID: 207138-3
 Date Sampled.....: 07/16/2004 Date Received.....: 07/17/2004
 Time Sampled.....: 09:45 Time Received.....: 10:30
 Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8250B	Volatile Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	35895		07/27/04 1456	pan
	Chloromethane	ND	U		0.6	5	1.00000	ug/L	35895		07/27/04 1456	pan
	Vinyl chloride	ND	U		3	5	1.00000	ug/L	35895		07/27/04 1456	pan
	Bromomethane	ND	U		2	5	1.00000	ug/L	35895		07/27/04 1456	pan
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	35895		07/27/04 1456	pan
	1,1-Dichloroethene	ND	U		0.4	5	1.00000	ug/L	35895		07/27/04 1456	pan
	Carbon disulfide	ND	U		2	10	1.00000	ug/L	35895		07/27/04 1456	pan
	Acetone	ND	U		0.6	5	1.00000	ug/L	35895		07/27/04 1456	pan
	Methylene chloride	ND	U		0.5	5	1.00000	ug/L	35895		07/27/04 1456	pan
	trans-1,2-Dichloroethene	ND	U		0.4	5	1.00000	ug/L	35895		07/27/04 1456	pan
	1,1-Dichloroethane	ND	U		2	5	1.00000	ug/L	35895		07/27/04 1456	pan
	Vinyl acetate	ND	U		0.7	5	1.00000	ug/L	35895		07/27/04 1456	pan
	cis-1,2-Dichloroethene	18	U		2	10	1.00000	ug/L	35895		07/27/04 1456	pan
	2-Butanone (MEK)	ND	U		0.6	5	1.00000	ug/L	35895		07/27/04 1456	pan
	Chloroform	ND	U		0.9	5	1.00000	ug/L	35895		07/27/04 1456	pan
	1,1,1-Trichloroethane	ND	U		0.6	5	1.00000	ug/L	35895		07/27/04 1456	pan
	Carbon tetrachloride	ND	U		0.5	5	1.00000	ug/L	35895		07/27/04 1456	pan
	Benzene	ND	U		0.6	5	1.00000	ug/L	35895		07/27/04 1456	pan
	1,2-Dichloroethane	14	U		0.8	5	1.00000	ug/L	35895		07/27/04 1456	pan
	Trichloroethene	ND	U		0.7	5	1.00000	ug/L	35895		07/27/04 1456	pan
	1,2-Dichloropropane	ND	U		0.4	5	1.00000	ug/L	35895		07/27/04 1456	pan
	Bromodichloromethane	ND	U		0.9	10	1.00000	ug/L	35895		07/27/04 1456	pan
	cis-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	35895		07/27/04 1456	pan
	4-Methyl-2-pentanone (MIBK)	ND	U		0.8	5	1.00000	ug/L	35895		07/27/04 1456	pan
	Toluene	ND	U		0.4	5	1.00000	ug/L	35895		07/27/04 1456	pan
	trans-1,3-Dichloropropene	ND	U		0.8	5	1.00000	ug/L	35895		07/27/04 1456	pan
	1,1,2-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	35895		07/27/04 1456	pan
	Tetrachloroethene	120	U		0.4	5	1.00000	ug/L	35895		07/27/04 1456	pan
	2-Hexanone	ND	U		0.7	10	1.00000	ug/L	35895		07/27/04 1456	pan

LABORATORY TEST RESULTS

Job Number: 207138

Date: 08/03/2004

CUSTOMER: ENVIRONMENTAL STRATEGIES CONSULTING LLC

PROJECT: HICKSVILLE SITE

ATTN: Leslie Sherburne

Customer Sample ID: UVB-3-OUT
Date Sampled.....: 07/16/2004
Time Sampled.....: 09:45
Sample Matrix.....: Water

Laboratory Sample ID: 207138-3
Date Received.....: 07/17/2004
Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U	0.5	5	1.00000	ug/L	35895		07/27/04 1456	pam
	Chlorobenzene	ND	U	0.5	5	1.00000	ug/L	35895		07/27/04 1456	pam
	Ethylbenzene	ND	U	0.5	5	1.00000	ug/L	35895		07/27/04 1456	pam
	Styrene	ND	U	0.7	5	1.00000	ug/L	35895		07/27/04 1456	pam
	Bromoform	ND	U	0.8	5	1.00000	ug/L	35895		07/27/04 1456	pam
	1,1,2,2-Tetrachloroethane	ND	U	0.7	5	1.00000	ug/L	35895		07/27/04 1456	pam
	Xylenes (total)	ND	U	0.9	5	1.00000	ug/L	35895		07/27/04 1456	pam
	1,3-Dichlorobenzene	ND	U	0.8	5	1.00000	ug/L	35895		07/27/04 1456	pam
	1,4-Dichlorobenzene	ND	U	0.4	5	1.00000	ug/L	35895		07/27/04 1456	pam
	1,2-Dichlorobenzene	ND	U	0.9	5	1.00000	ug/L	35895		07/27/04 1456	pam
		17									

* In Description = Dry Wgt.

Date: 08/03/2004

ISTOMER: ENVIRONMENTAL STRATEGIES CONSULTING LLC

PROJECT: HICKSVILLE SITE

ATTN: Leslie Sherburne

Customer Sample ID: UVB-3-IN

Date Sampled.....: 07/16/2004

Laboratory Sample ID: 20/I38-4
Date Received: 07/17/2004

Date Sampled.....: 07/16/
Time Sampled.....: 09:35

Date Received.....: 07/17/2004
Time Received : 10:30

Time Sampled.....: 09:35
Sample Matrix.....: Water

Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
310.1	Alkalinity	10.7		0.204	2.00	1	mg/L	35688		07/23/04 1314	nsh
9040B	Alkalinity, Total as CaCO3										
	pH (Liquid)	6.06			0.20	1	pH Units	35506		07/19/04 1247	nsh
2340B	Hardness, as CaCO3										
	Hardness, Total as CaCO3	44.7		1.00	1.00	1	mg/L	36027		07/29/04 0000	dwn
6010B	Metals Analysis (ICAP Trace)										
	Iron	145	B	54.0	200	1	ug/L	35961		07/29/04 1201	nnp
8260B	Volatile Organics (5mL Purge)										
	Chloromethane	ND	U	28	100	20.00000	ug/L	35960		07/29/04 1504	jdw
	Vinyl chloride	ND	U	12	100	20.00000	ug/L	35960		07/29/04 1504	jdw
	Bromomethane	ND	U	54	100	20.00000	ug/L	35960		07/29/04 1504	jdw
	Chloroethane	ND	U	34	100	20.00000	ug/L	35960		07/29/04 1504	jdw
	1,1-Dichloroethene	ND	U	16	100	20.00000	ug/L	35960		07/29/04 1504	jdw
	Carbon disulfide	ND	U	8	100	20.00000	ug/L	35960		07/29/04 1504	jdw
	Acetone	ND	U	40	200	20.00000	ug/L	35960		07/29/04 1504	jdw
	Methylene chloride	ND	U	12	100	20.00000	ug/L	35960		07/29/04 1504	jdw
	trans-1,2-Dichloroethene	ND	U	10	100	20.00000	ug/L	35960		07/29/04 1504	jdw
	1,1-Dichloroethane	ND	U	8	100	20.00000	ug/L	35960		07/29/04 1504	jdw
	Vinyl acetate	ND	U	38	100	20.00000	ug/L	35960		07/29/04 1504	jdw
	cis-1,2-Dichloroethene	140		14	100	20.00000	ug/L	35960		07/29/04 1504	jdw
	2-Butanone (MEK)		U	32	200	20.00000	ug/L	35960		07/29/04 1504	jdw
	Chloroform	ND	U	12	100	20.00000	ug/L	35960		07/29/04 1504	jdw
	1,1,1-Trichloroethane	ND	U	18	100	20.00000	ug/L	35960		07/29/04 1504	jdw
	Carbon tetrachloride	ND	U	12	100	20.00000	ug/L	35960		07/29/04 1504	jdw

* In Description = Dry Wgt.

Page 8

LABORATORY TEST RESULTS

Job Number: 207138

Date: 08/03/2004

CLIENT: ENVIRONMENTAL STRATEGIES CONSULTING LLC

PROJECT: HICKSVILLE SITE

ATTN: Leslie Sherburne

Customer Sample ID: UVB-3-IN
Date Sampled.....: 07/16/2004
Time Sampled.....: 09:35
Sample Matrix.....: Water

Laboratory Sample ID: 207138-4
Date Received.....: 07/17/2004
Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
6010B	Benzene	ND	U	10	100	20.00000	ug/L	35960		07/29/04 1504	jdW
	1,2-Dichloroethane	ND	U	12	100	20.00000	ug/L	35960		07/29/04 1504	jdW
	Trichloroethene	170		16	100	20.00000	ug/L	35960		07/29/04 1504	jdW
	1,2-Dichloropropane	ND	U	14	100	20.00000	ug/L	35960		07/29/04 1504	jdW
	Bromodichloromethane	ND	U	14	100	20.00000	ug/L	35960		07/29/04 1504	jdW
	cis-1,3-Dichloropropene	ND	U	8	100	20.00000	ug/L	35960		07/29/04 1504	jdW
	4-Methyl-2-pentanone (MIBK)	ND	U	18	200	20.00000	ug/L	35960		07/29/04 1504	jdW
	Toluene	ND	U	8	100	20.00000	ug/L	35960		07/29/04 1504	jdW
	trans-1,3-Dichloropropene	ND	U	16	100	20.00000	ug/L	35960		07/29/04 1504	jdW
	1,1,2-Trichloroethane	ND	U	16	100	20.00000	ug/L	35960		07/29/04 1504	jdW
	Tetrachloroethene	1700		8	100	20.00000	ug/L	35960		07/29/04 1504	jdW
	2-Hexanone	ND	U	14	200	20.00000	ug/L	35960		07/29/04 1504	jdW
	Dibromochloromethane	ND	U	10	100	20.00000	ug/L	35960		07/29/04 1504	jdW
	Chlorobenzene	ND	U	10	100	20.00000	ug/L	35960		07/29/04 1504	jdW
	Ethylbenzene	ND	U	10	100	20.00000	ug/L	35960		07/29/04 1504	jdW
	Styrene	ND	U	14	100	20.00000	ug/L	35960		07/29/04 1504	jdW
	Bromoform	ND	U	16	100	20.00000	ug/L	35960		07/29/04 1504	jdW
	1,1,2,2-Tetrachloroethane	ND	U	14	100	20.00000	ug/L	35960		07/29/04 1504	jdW
	Xylenes (total)	ND	U	18	100	20.00000	ug/L	35960		07/29/04 1504	jdW
	1,3-Dichlorobenzene	ND	U	16	100	20.00000	ug/L	35960		07/29/04 1504	jdW
	1,4-Dichlorobenzene	ND	U	8	100	20.00000	ug/L	35960		07/29/04 1504	jdW
	1,2-Dichlorobenzene	54	J	18	100	20.00000	ug/L	35960		07/29/04 1504	jdW
6010B	Metals Analysis (ICAP Trace)										
	Iron, Diss.	151	B	54.0	200	1	ug/L	35961		07/29/04 1207	mmp

* In Description = Dry Wgt.

Job Number: 207138 LABORATORY TEST RESULTS Date: 08/03/2004

Customer: ENVIRONMENTAL STRATEGIES CONSULTING LLC PROJECT: HICKSVILLE SITE ATTN: Leslie Sherburne

Customer Sample ID: UVB-2-IN Laboratory Sample ID: 207138-5
 Date Sampled.....: 07/15/2004 Date Received.....: 07/17/2004
 Time Sampled.....: 17:56 Time Received.....: 10:30
 Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
310.1	Alkalinity Alkalinity, Total as CaCO3	9.72		0.204	2.00	1	mg/L	35688		07/23/04 1327	msh
9040B	pH (Liquid) pH	6.08			0.20	1	pH Units	35506		07/19/04 1254	msh
2340B	Hardness, as CaCO3 Hardness, Total as CaCO3	38.4		1.00	1.00	1	mg/L	36027		07/29/04 0000	dwh
6010B	Metals Analysis (ICAP Trace) Iron	582		54.0	200	1	ug/L	35961		07/29/04 1213	nnp
8260B	Volatile Organics (5mL Purge) Chloromethane	ND	U	14	50	10.00000	ug/L	35931		07/28/04 1519	pam
	Vinyl chloride	110		6	50	10.00000	ug/L	35931		07/28/04 1519	pam
	Bromomethane	ND	U	27	50	10.00000	ug/L	35931		07/28/04 1519	pam
	Chloroethane	ND	U	17	50	10.00000	ug/L	35931		07/28/04 1519	pam
	1,1-Dichloroethene	31	J	8	50	10.00000	ug/L	35931		07/28/04 1519	pam
	Carbon disulfide	ND	U	4	50	10.00000	ug/L	35931		07/28/04 1519	pam
	Acetone	ND	U	20	100	10.00000	ug/L	35931		07/28/04 1519	pam
	Methylene chloride	ND	U	6	50	10.00000	ug/L	35931		07/28/04 1519	pam
	trans-1,2-Dichloroethene	ND	U	5	50	10.00000	ug/L	35931		07/28/04 1519	pam
	1,1-Dichloroethane	ND	U	4	50	10.00000	ug/L	35931		07/28/04 1519	pam
	Vinyl acetate	ND	U	19	50	10.00000	ug/L	35931		07/28/04 1519	pam
	cis-1,2-Dichloroethene	820		7	50	10.00000	ug/L	35931		07/28/04 1519	pam
	2-Butanone (MEK)	ND	U	16	100	10.00000	ug/L	35931		07/28/04 1519	pam
	Chloroform	ND	U	6	50	10.00000	ug/L	35931		07/28/04 1519	pam
	1,1,1-Trichloroethane	ND	U	9	50	10.00000	ug/L	35931		07/28/04 1519	pam
	Carbon tetrachloride	ND	U	6	50	10.00000	ug/L	35931		07/28/04 1519	pam

* In Description = Dry Wgt.

Job Number: 207138

LABORATORY TEST RESULTS

Date: 08/03/2004

CUSTOMER: ENVIRONMENTAL STRATEGIES CONSULTING LLC

PROJECT: HICKSVILLE SITE

ATTN: Leslie Sherburne

Customer Sample ID: UVB-2-IN
 Date Sampled.....: 07/15/2004
 Time Sampled.....: 17:56
 Sample Matrix.....: Water

Laboratory Sample ID: 207138-5
 Date Received.....: 07/17/2004
 Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
6010B	Benzene	ND	U	5	50	10.00000	ug/L	35931		07/28/04 1519	pam
	1,2-Dichloroethane	ND	U	6	50	10.00000	ug/L	35931		07/28/04 1519	pam
	Trichloroethane	250		8	50	10.00000	ug/L	35931		07/28/04 1519	pam
	1,2-Dichloropropane	ND	U	7	50	10.00000	ug/L	35931		07/28/04 1519	pam
	Bromodichloromethane	ND	U	7	50	10.00000	ug/L	35931		07/28/04 1519	pam
	cis-1,3-Dichloropropene	ND	U	4	50	10.00000	ug/L	35931		07/28/04 1519	pam
	4-Methyl-2-pentanone (MIBK)	ND	U	9	100	10.00000	ug/L	35931		07/28/04 1519	pam
	Toluene		U	4	50	10.00000	ug/L	35931		07/28/04 1519	pam
	trans-1,3-Dichloropropene		U	8	50	10.00000	ug/L	35931		07/28/04 1519	pam
	1,1,2-Trichloroethane		U	8	50	10.00000	ug/L	35931		07/28/04 1519	pam
	Tetrachloroethene	71		4	50	10.00000	ug/L	35931		07/28/04 1519	pam
	2-Hexanone		U	7	100	10.00000	ug/L	35931		07/28/04 1519	pam
	Dibromochloromethane	ND	U	5	50	10.00000	ug/L	35931		07/28/04 1519	pam
	Chlorobenzene	ND	U	5	50	10.00000	ug/L	35931		07/28/04 1519	pam
	Ethylbenzene	ND	U	5	50	10.00000	ug/L	35931		07/28/04 1519	pam
	Styrene	ND	U	7	50	10.00000	ug/L	35931		07/28/04 1519	pam
	Bromoform	ND	U	8	50	10.00000	ug/L	35931		07/28/04 1519	pam
	1,1,2,2-Tetrachloroethane	ND	U	7	50	10.00000	ug/L	35931		07/28/04 1519	pam
	Xylenes (total)	ND	U	9	50	10.00000	ug/L	35931		07/28/04 1519	pam
	1,3-Dichlorobenzene	ND	U	8	50	10.00000	ug/L	35931		07/28/04 1519	pam
	1,4-Dichlorobenzene	ND	U	4	50	10.00000	ug/L	35931		07/28/04 1519	pam
	1,2-Dichlorobenzene	32	U	9	50	10.00000	ug/L	35931		07/28/04 1519	pam
	Metals Analysis (ICAP Trace)										
	Iron, Diss.	339		54.0	200	1	ug/L	35961		07/29/04 1225	mp

* In Description = Dry Wgt.

Customer Sample ID: UVB-2-OUT
 Date Sampled.....: 07/15/2004
 Time Sampled.....: 18:10
 Sample Matrix.....: Water

Laboratory Sample ID: 207138-6
 Date Received.....: 07/17/2004
 Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)										
	Chloromethane	ND	U	3	10	2.00000	ug/L	35931		07/28/04 1414	pam
	Vinyl chloride	17		1	10	2.00000	ug/L	35931		07/28/04 1414	pam
	Bromomethane	ND	U	5	10	2.00000	ug/L	35931		07/28/04 1414	pam
	Chloroethane	ND	U	3	10	2.00000	ug/L	35931		07/28/04 1414	pam
	1,1-Dichloroethane	6	J	2	10	2.00000	ug/L	35931		07/28/04 1414	pam
	Carbon disulfide	ND	U	0.8	10	2.00000	ug/L	35931		07/28/04 1414	pam
	Acetone	ND	U	4	20	2.00000	ug/L	35931		07/28/04 1414	pam
	Methylene chloride	ND	U	1	10	2.00000	ug/L	35931		07/28/04 1414	pam
	trans-1,2-Dichloroethene	ND	U	1	10	2.00000	ug/L	35931		07/28/04 1414	pam
	1,1-Dichloroethane	ND	U	0.8	10	2.00000	ug/L	35931		07/28/04 1414	pam
	Vinyl acetate	ND	U	4	10	2.00000	ug/L	35931		07/28/04 1414	pam
	cis-1,2-Dichloroethene	310		1	10	2.00000	ug/L	35931		07/28/04 1414	pam
	2-Butanone (MEK)	ND	U	3	20	2.00000	ug/L	35931		07/28/04 1414	pam
	Chloroform	ND	U	1	10	2.00000	ug/L	35931		07/28/04 1414	pam
	1,1,1-Trichloroethane	ND	U	2	10	2.00000	ug/L	35931		07/28/04 1414	pam
	Carbon tetrachloride	ND	U	1	10	2.00000	ug/L	35931		07/28/04 1414	pam
	Benzene	ND	U	1	10	2.00000	ug/L	35931		07/28/04 1414	pam
	1,2-Dichloroethane	74		2	10	2.00000	ug/L	35931		07/28/04 1414	pam
	Trichloroethene	ND	U	1	10	2.00000	ug/L	35931		07/28/04 1414	pam
	1,2-Dichloropropane	ND	U	1	10	2.00000	ug/L	35931		07/28/04 1414	pam
	Bromodichloromethane	ND	U	1	10	2.00000	ug/L	35931		07/28/04 1414	pam
	cis-1,3-Dichloropropene	ND	U	0.8	10	2.00000	ug/L	35931		07/28/04 1414	pam
	4-Methyl-2-pentanone (MIBK)	ND	U	2	20	2.00000	ug/L	35931		07/28/04 1414	pam
	Toluene	ND	U	2	10	2.00000	ug/L	35931		07/28/04 1414	pam
	trans-1,3-Dichloropropene	ND	U	0.8	10	2.00000	ug/L	35931		07/28/04 1414	pam
	1,1,2-Trichloroethane	ND	U	2	10	2.00000	ug/L	35931		07/28/04 1414	pam
	Tetrachloroethene	ND	U	2	10	2.00000	ug/L	35931		07/28/04 1414	pam
	2-Hexanone	17		0.8	10	2.00000	ug/L	35931		07/28/04 1414	pam
		ND	U	1	20	2.00000	ug/L	35931		07/28/04 1414	pam

LABORATORY TEST RESULTS

Job Number: 207138

Date: 08/03/2004

CLIENT: ENVIRONMENTAL STRATEGIES CONSULTING LLC

PROJECT: HICKSVILLE SITE

ATTN: Leslie Sherburne

Customer Sample ID: UVB-2-OUT
Date Sampled.....: 07/15/2004
Time Sampled.....: 18:10
Sample Matrix.....: Water

Laboratory Sample ID: 207138-6
Date Received.....: 07/17/2004
Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		1	10	2.00000	ug/L	35931		07/28/04 1414	pan
	Chlorobenzene	ND	U		1	10	2.00000	ug/L	35931		07/28/04 1414	pan
	Ethylbenzene	ND	U		1	10	2.00000	ug/L	35931		07/28/04 1414	pan
	Styrene	ND	U		1	10	2.00000	ug/L	35931		07/28/04 1414	pan
	Bromoform	ND	U		2	10	2.00000	ug/L	35931		07/28/04 1414	pan
	1,1,2,2-Tetrachloroethane	ND	U		1	10	2.00000	ug/L	35931		07/28/04 1414	pan
	Xylenes (total)	ND	U		2	10	2.00000	ug/L	35931		07/28/04 1414	pan
	1,3-Dichlorobenzene	ND	U		2	10	2.00000	ug/L	35931		07/28/04 1414	pan
	1,4-Dichlorobenzene	ND	U		0.8	10	2.00000	ug/L	35931		07/28/04 1414	pan
	1,2-Dichlorobenzene	18	U		2	10	2.00000	ug/L	35931		07/28/04 1414	pan

* In Description = Dry Wgt.

Customer Sample ID: UVB-2-IN2 Laboratory Sample ID: 207138-7
 Date Sampled.....: 07/15/2004 Date Received.....: 07/17/2004
 Time Sampled.....: 18:30 Time Received.....: 10:30
 Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		14	50	10.00000	ug/L	35931		07/28/04 1551	pam
	Vinyl chloride	120			6	50	10.00000	ug/L	35931		07/28/04 1551	pam
	Bromomethane	ND	U		27	50	10.00000	ug/L	35931		07/28/04 1551	pam
	Chloroethane	ND	U		17	50	10.00000	ug/L	35931		07/28/04 1551	pam
	1,1-Dichloroethene	32			8	50	10.00000	ug/L	35931		07/28/04 1551	pam
	Carbon disulfide	ND	U		4	50	10.00000	ug/L	35931		07/28/04 1551	pam
	Acetone	ND	U		20	100	10.00000	ug/L	35931		07/28/04 1551	pam
	Methylene chloride	ND	U		6	50	10.00000	ug/L	35931		07/28/04 1551	pam
	trans-1,2-Dichloroethene	ND	U		5	50	10.00000	ug/L	35931		07/28/04 1551	pam
	1,1-Dichloroethane	ND	U		4	50	10.00000	ug/L	35931		07/28/04 1551	pam
	Vinyl acetate	ND	U		19	50	10.00000	ug/L	35931		07/28/04 1551	pam
	cis-1,2-Dichloroethene	840			7	50	10.00000	ug/L	35931		07/28/04 1551	pam
	2-Butanone (MEK)	ND	U		16	100	10.00000	ug/L	35931		07/28/04 1551	pam
	Chloroform	ND	U		6	50	10.00000	ug/L	35931		07/28/04 1551	pam
	1,1,1-Trichloroethane	ND	U		9	50	10.00000	ug/L	35931		07/28/04 1551	pam
	Carbon tetrachloride	ND	U		6	50	10.00000	ug/L	35931		07/28/04 1551	pam
	Benzene	ND	U		5	50	10.00000	ug/L	35931		07/28/04 1551	pam
	1,2-Dichloroethane	260			8	50	10.00000	ug/L	35931		07/28/04 1551	pam
	Trichloroethene	ND	U		7	50	10.00000	ug/L	35931		07/28/04 1551	pam
	1,2-Dichloropropane	ND	U		7	50	10.00000	ug/L	35931		07/28/04 1551	pam
	Bromodichloromethane	ND	U		4	50	10.00000	ug/L	35931		07/28/04 1551	pam
	cis-1,3-Dichloropropene	ND	U		9	50	10.00000	ug/L	35931		07/28/04 1551	pam
	4-Methyl-2-pentanone (MIBK)	7			4	100	10.00000	ug/L	35931		07/28/04 1551	pam
	Toluene	ND	U		4	50	10.00000	ug/L	35931		07/28/04 1551	pam
	trans-1,3-Dichloropropene	ND	U		8	50	10.00000	ug/L	35931		07/28/04 1551	pam
	1,1,2-Trichloroethane	79			8	50	10.00000	ug/L	35931		07/28/04 1551	pam
	Tetrachloroethene	ND	U		4	50	10.00000	ug/L	35931		07/28/04 1551	pam
	2-Hexanone	ND	U		7	100	10.00000	ug/L	35931		07/28/04 1551	pam

* In Description = Dry Wgt.

Job Number: 207138

LABORATORY TEST RESULTS

Date: 08/03/2004

CUSTOMER: ENVIRONMENTAL STRATEGIES CONSULTING LLC

PROJECT: HICKSVILLE SITE

ATTN: Leslie Sherburne

Customer Sample ID: UVB-2-IN2
 Date Sampled.....: 07/15/2004
 Time Sampled.....: 18:30
 Sample Matrix.....: Water

Laboratory Sample ID: 207138-7
 Date Received.....: 07/17/2004
 Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U	5	50	10.00000	ug/L	35931		07/28/04 1551	pam
	Chlorobenzene	ND	U	5	50	10.00000	ug/L	35931		07/28/04 1551	pam
	Ethylbenzene	ND	U	5	50	10.00000	ug/L	35931		07/28/04 1551	pam
	Styrene	ND	U	7	50	10.00000	ug/L	35931		07/28/04 1551	pam
	Bromoform	ND	U	8	50	10.00000	ug/L	35931		07/28/04 1551	pam
	1,1,2,2-Tetrachloroethane	ND	U	7	50	10.00000	ug/L	35931		07/28/04 1551	pam
	Xylenes (total)	ND	U	9	50	10.00000	ug/L	35931		07/28/04 1551	pam
	1,3-Dichlorobenzene	ND	U	8	50	10.00000	ug/L	35931		07/28/04 1551	pam
	1,4-Dichlorobenzene	ND	U	4	50	10.00000	ug/L	35931		07/28/04 1551	pam
	1,2-Dichlorobenzene	ND	J	9	50	10.00000	ug/L	35931		07/28/04 1551	pam

* In Description = Dry Wgt.

Job Number: 207138

LABORATORY TEST RESULTS

Date: 08/03/2004

CUSTOMER: ENVIRONMENTAL STRATEGIES CONSULTING LLC

PROJECT: HICKSVILLE SITE

ATTN: Leslie Sherburne

Customer Sample ID: UVB-3-IN

Laboratory Sample ID: 207138-8

Date Sampled.....: 07/16/2004

Date Received.....: 07/17/2004

Time Sampled.....: 16:20

Time Received.....: 10:30

Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloroethane	ND		U	28	100	20.00000	ug/L	35960		07/29/04 1533	jdW
	Vinyl chloride	ND		U	12	100	20.00000	ug/L	35960		07/29/04 1533	jdW
	Bromomethane	ND		U	54	100	20.00000	ug/L	35960		07/29/04 1533	jdW
	Chloroethane	ND		U	34	100	20.00000	ug/L	35960		07/29/04 1533	jdW
	1,1-Dichloroethene	ND		U	16	100	20.00000	ug/L	35960		07/29/04 1533	jdW
	Carbon disulfide	ND		U	8	100	20.00000	ug/L	35960		07/29/04 1533	jdW
	Acetone	ND		U	40	200	20.00000	ug/L	35960		07/29/04 1533	jdW
	Methylene chloride	ND		U	12	100	20.00000	ug/L	35960		07/29/04 1533	jdW
	trans-1,2-Dichloroethene	ND		U	10	100	20.00000	ug/L	35960		07/29/04 1533	jdW
	1,1-Dichloroethane	ND		U	8	100	20.00000	ug/L	35960		07/29/04 1533	jdW
	Vinyl acetate	ND		U	38	100	20.00000	ug/L	35960		07/29/04 1533	jdW
	cis-1,2-Dichloroethene	140		U	14	100	20.00000	ug/L	35960		07/29/04 1533	jdW
	2-Butanone (MEK)	ND		U	32	200	20.00000	ug/L	35960		07/29/04 1533	jdW
	Chloroform	ND		U	12	100	20.00000	ug/L	35960		07/29/04 1533	jdW
	1,1,1-Trichloroethane	ND		U	18	100	20.00000	ug/L	35960		07/29/04 1533	jdW
	Carbon tetrachloride	ND		U	12	100	20.00000	ug/L	35960		07/29/04 1533	jdW
	Benzene	ND		U	10	100	20.00000	ug/L	35960		07/29/04 1533	jdW
	1,2-Dichloroethane	160		U	12	100	20.00000	ug/L	35960		07/29/04 1533	jdW
	Trichloroethene	ND		U	16	100	20.00000	ug/L	35960		07/29/04 1533	jdW
	1,2-Dichloropropane	ND		U	14	100	20.00000	ug/L	35960		07/29/04 1533	jdW
	Bromodichloromethane	ND		U	14	100	20.00000	ug/L	35960		07/29/04 1533	jdW
	cis-1,3-Dichloropropene	ND		U	8	100	20.00000	ug/L	35960		07/29/04 1533	jdW
	4-Methyl-2-pentanone (MIBK)	ND		U	18	200	20.00000	ug/L	35960		07/29/04 1533	jdW
	Toluene	ND		U	8	100	20.00000	ug/L	35960		07/29/04 1533	jdW
	trans-1,3-Dichloropropene	ND		U	8	100	20.00000	ug/L	35960		07/29/04 1533	jdW
	1,1,2-Trichloroethane	ND		U	16	100	20.00000	ug/L	35960		07/29/04 1533	jdW
	Tetrachloroethene	1500		U	16	100	20.00000	ug/L	35960		07/29/04 1533	jdW
	2-Hexanone	ND		U	8	100	20.00000	ug/L	35960		07/29/04 1533	jdW
		ND		U	14	200	20.00000	ug/L	35960		07/29/04 1533	jdW

* In Description = Dry Wgt.

Job Number: 207138

LABORATORY TEST RESULTS

Date: 08/03/2004

CUSTOMER: ENVIRONMENTAL STRATEGIES CONSULTING LLC

PROJECT: HICKSVILLE SITE

ATTN: Leslie Sherburne

Customer Sample ID: UVB-3-IN

Laboratory Sample ID: 207138-8

Date Sampled.....: 07/16/2004

Date Received.....: 07/17/2004

Time Sampled.....: 16:20

Time Received.....: 10:30

Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U	10	100	20.00000	ug/L	35960		07/29/04 1533	jdww
	Chlorobenzene	ND	U	10	100	20.00000	ug/L	35960		07/29/04 1533	jdww
	Ethylbenzene	ND	U	10	100	20.00000	ug/L	35960		07/29/04 1533	jdww
	Styrene	ND	U	14	100	20.00000	ug/L	35960		07/29/04 1533	jdww
	Bromoforn	ND	U	16	100	20.00000	ug/L	35960		07/29/04 1533	jdww
	1,1,2,2-Tetrachloroethane	ND	U	14	100	20.00000	ug/L	35960		07/29/04 1533	jdww
	Xylenes (total)	ND	U	18	100	20.00000	ug/L	35960		07/29/04 1533	jdww
	1,3-Dichlorobenzene	ND	U	16	100	20.00000	ug/L	35960		07/29/04 1533	jdww
	1,4-Dichlorobenzene	ND	U	8	100	20.00000	ug/L	35960		07/29/04 1533	jdww
	1,2-Dichlorobenzene	56	J	18	100	20.00000	ug/L	35960		07/29/04 1533	jdww

* In Description = Dry Wgt.

Job Number: 207138

LABORATORY TEST RESULTS

Date: 08/03/2004

CUSTOMER: ENVIRONMENTAL STRATEGIES CONSULTING LLC

PROJECT: HICKSVILLE SITE

ATTN: Leslie Sherburne

Customer Sample ID: UVB-3-OUT
 Date Sampled.....: 07/16/2004
 Time Sampled.....: 16:25
 Sample Matrix.....: Water

Laboratory Sample ID: 207138-9
 Date Received.....: 07/17/2004
 Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)	ND	U		1	5	1.00000	ug/L	35895		07/27/04 1556	pam
	Chloromethane	ND	U		0.6	5	1.00000	ug/L	35895		07/27/04 1556	pam
	Vinyl chloride	ND	U		3	5	1.00000	ug/L	35895		07/27/04 1556	pam
	Bromomethane	ND	U		2	5	1.00000	ug/L	35895		07/27/04 1556	pam
	Chloroethane	ND	U		0.8	5	1.00000	ug/L	35895		07/27/04 1556	pam
	1,1-Dichloroethene	ND	U		0.4	5	1.00000	ug/L	35895		07/27/04 1556	pam
	Carbon disulfide	ND	U		2	10	1.00000	ug/L	35895		07/27/04 1556	pam
	Acetone	ND	U		0.6	5	1.00000	ug/L	35895		07/27/04 1556	pam
	Methylene chloride	ND	U		0.5	5	1.00000	ug/L	35895		07/27/04 1556	pam
	trans-1,2-Dichloroethene	ND	U		0.4	5	1.00000	ug/L	35895		07/27/04 1556	pam
	1,1-Dichloroethane	ND	U		2	5	1.00000	ug/L	35895		07/27/04 1556	pam
	Vinyl acetate	ND	U		0.7	5	1.00000	ug/L	35895		07/27/04 1556	pam
	cis-1,2-Dichloroethene	20	U		2	10	1.00000	ug/L	35895		07/27/04 1556	pam
	2-Butanone (MEK)	ND	U		0.6	5	1.00000	ug/L	35895		07/27/04 1556	pam
	Chloroform	ND	U		0.9	5	1.00000	ug/L	35895		07/27/04 1556	pam
	1,1,1-Trichloroethane	ND	U		0.6	5	1.00000	ug/L	35895		07/27/04 1556	pam
	Carbon tetrachloride	ND	U		0.5	5	1.00000	ug/L	35895		07/27/04 1556	pam
	Benzene	ND	U		0.6	5	1.00000	ug/L	35895		07/27/04 1556	pam
	1,2-Dichloroethane	15	U		0.8	5	1.00000	ug/L	35895		07/27/04 1556	pam
	Trichloroethene	ND	U		0.7	5	1.00000	ug/L	35895		07/27/04 1556	pam
	1,2-Dichloropropane	ND	U		0.7	5	1.00000	ug/L	35895		07/27/04 1556	pam
	Bromodichloromethane	ND	U		0.4	5	1.00000	ug/L	35895		07/27/04 1556	pam
	cis-1,3-Dichloropropene	ND	U		0.9	10	1.00000	ug/L	35895		07/27/04 1556	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.4	5	1.00000	ug/L	35895		07/27/04 1556	pam
	Toluene	ND	U		0.8	5	1.00000	ug/L	35895		07/27/04 1556	pam
	trans-1,3-Dichloropropene	ND	U		0.8	5	1.00000	ug/L	35895		07/27/04 1556	pam
	1,1,2-Trichloroethane	ND	U		0.4	5	1.00000	ug/L	35895		07/27/04 1556	pam
	Tetrachloroethene	120	U		0.7	10	1.00000	ug/L	35895		07/27/04 1556	pam
	2-Hexanone	ND	U									

* In Description = Dry Wgt.

Job Number: 207138

LABORATORY TEST RESULTS

Date: 08/03/2004

STOMER: ENVIRONMENTAL STRATEGIES CONSULTING LLC

PROJECT: HICKSVILLE SITE

ATTN: Leslie Sherburne

Customer Sample ID: UVB-3-OUT
Date Sampled.....: 07/16/2004
Time Sampled.....: 16:25
Sample Matrix.....: Water

Laboratory Sample ID: 207138-9
Date Received.....: 07/17/2004
Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.5	5	1.00000	ug/L	35895		07/27/04 1556	pam
	Chlorobenzene	ND	U		0.5	5	1.00000	ug/L	35895		07/27/04 1556	pam
	Ethylbenzene	ND	U		0.5	5	1.00000	ug/L	35895		07/27/04 1556	pam
	Styrene	ND	U		0.7	5	1.00000	ug/L	35895		07/27/04 1556	pam
	Bromoform	ND	U		0.8	5	1.00000	ug/L	35895		07/27/04 1556	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	35895		07/27/04 1556	pam
	Xylenes (total)	ND	U		0.9	5	1.00000	ug/L	35895		07/27/04 1556	pam
	1,3-Dichlorobenzene	ND	U		0.8	5	1.00000	ug/L	35895		07/27/04 1556	pam
	1,4-Dichlorobenzene	ND	U		0.4	5	1.00000	ug/L	35895		07/27/04 1556	pam
	1,2-Dichlorobenzene	ND	U		0.9	5	1.00000	ug/L	35895		07/27/04 1556	pam
		19										

* In Description = Dry Wgt.

Job Number: 207138

LABORATORY TEST RESULTS

Date: 08/03/2004

CUSTOMER: ENVIRONMENTAL STRATEGIES CONSULTING LLC

PROJECT: HICKSVILLE SITE

ATTN: Leslie Sherburne

Customer Sample ID: TRIP BLANK

Laboratory Sample ID: 207138-10

Date Sampled.....: 07/15/2004

Date Received.....: 07/17/2004

Time Sampled.....: 00:00

Time Received.....: 10:30

Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND		U	1	5	1.00000	ug/L	35895		07/27/04 1356	pam
	Vinyl chloride	ND		U	0.6	5	1.00000	ug/L	35895		07/27/04 1356	pam
	Bromomethane	ND		U	3	5	1.00000	ug/L	35895		07/27/04 1356	pam
	Chloroethane	ND		U	2	5	1.00000	ug/L	35895		07/27/04 1356	pam
	1,1-Dichloroethene	ND		U	0.8	5	1.00000	ug/L	35895		07/27/04 1356	pam
	Carbon disulfide	ND		U	0.4	5	1.00000	ug/L	35895		07/27/04 1356	pam
	Acetone	8		J	2	10	1.00000	ug/L	35895		07/27/04 1356	pam
	Methylene chloride	0.6		J	0.6	5	1.00000	ug/L	35895		07/27/04 1356	pam
	trans-1,2-Dichloroethene			U	0.5	5	1.00000	ug/L	35895		07/27/04 1356	pam
	1,1-Dichloroethane	ND		U	0.4	5	1.00000	ug/L	35895		07/27/04 1356	pam
	Vinyl acetate	ND		U	2	5	1.00000	ug/L	35895		07/27/04 1356	pam
	cis-1,2-Dichloroethene	ND		U	0.7	5	1.00000	ug/L	35895		07/27/04 1356	pam
	2-Butanone (MEX)	ND		U	2	10	1.00000	ug/L	35895		07/27/04 1356	pam
	Chloroform	ND		U	0.6	5	1.00000	ug/L	35895		07/27/04 1356	pam
	1,1,1-Trichloroethane	ND		U	0.9	5	1.00000	ug/L	35895		07/27/04 1356	pam
	Carbon tetrachloride	ND		U	0.6	5	1.00000	ug/L	35895		07/27/04 1356	pam
	Benzene	ND		U	0.5	5	1.00000	ug/L	35895		07/27/04 1356	pam
	1,2-Dichloroethane	ND		U	0.6	5	1.00000	ug/L	35895		07/27/04 1356	pam
	Trichloroethene	ND		U	0.8	5	1.00000	ug/L	35895		07/27/04 1356	pam
	1,2-Dichloropropane	ND		U	0.7	5	1.00000	ug/L	35895		07/27/04 1356	pam
	Bromodichloromethane	ND		U	0.7	5	1.00000	ug/L	35895		07/27/04 1356	pam
	cis-1,3-Dichloropropene	ND		U	0.4	5	1.00000	ug/L	35895		07/27/04 1356	pam
	4-Methyl-2-pentanone (MIBK)	ND		U	0.9	10	1.00000	ug/L	35895		07/27/04 1356	pam
	Toluene	ND		U	0.4	5	1.00000	ug/L	35895		07/27/04 1356	pam
	trans-1,3-Dichloropropene	ND		U	0.8	5	1.00000	ug/L	35895		07/27/04 1356	pam
	1,1,2-Trichloroethane	ND		U	0.8	5	1.00000	ug/L	35895		07/27/04 1356	pam
	Tetrachloroethene	ND		U	0.4	5	1.00000	ug/L	35895		07/27/04 1356	pam
	2-Hexanone	ND		U	0.7	10	1.00000	ug/L	35895		07/27/04 1356	pam

* In Description = Dry Wgt.

Job Number: 207138

LABORATORY TEST RESULTS

Date: 08/03/2004

CUSTOMER: ENVIRONMENTAL STRATEGIES CONSULTING LLC

PROJECT: HICKSVILLE SITE

ATTN: Leslie Sherburne

Customer Sample ID: TRIP BLANK

Laboratory Sample ID: 207138-10

Date Sampled.....: 07/15/2004

Date Received.....: 07/17/2004

Time Sampled.....: 00:00

Time Received.....: 10:30

Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U	0.5	5	1.00000	ug/L	35895		07/27/04 1356	pam
	Chlorobenzene	ND	U	0.5	5	1.00000	ug/L	35895		07/27/04 1356	pam
	Ethylbenzene	ND	U	0.5	5	1.00000	ug/L	35895		07/27/04 1356	pam
	Styrene	ND	U	0.7	5	1.00000	ug/L	35895		07/27/04 1356	pam
	Bromoform	ND	U	0.8	5	1.00000	ug/L	35895		07/27/04 1356	pam
	1,1,2,2-Tetrachloroethane	ND	U	0.7	5	1.00000	ug/L	35895		07/27/04 1356	pam
	Xylenes (total)	ND	U	0.9	5	1.00000	ug/L	35895		07/27/04 1356	pam
	1,3-Dichlorobenzene	ND	U	0.8	5	1.00000	ug/L	35895		07/27/04 1356	pam
	1,4-Dichlorobenzene	ND	U	0.4	5	1.00000	ug/L	35895		07/27/04 1356	pam
	1,2-Dichlorobenzene	ND	U	0.9	5	1.00000	ug/L	35895		07/27/04 1356	pam

* In Description = Dry Wgt.

Job Number: 207138

LABORATORY TEST RESULTS

Date: 08/03/2004

CUSTOMER: ENVIRONMENTAL STRATEGIES CONSULTING LLC

PROJECT: HICKSVILLE SITE

ATTN: Leslie Sherburne

Customer Sample ID: UVB-1-IN
 Date Sampled.....: 07/16/2004
 Time Sampled.....: 16:52
 Sample Matrix.....: Water

Laboratory Sample ID: 207138-11
 Date Received.....: 07/17/2004
 Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)										
	Chloromethane	ND	U	28	100	20.00000	ug/L	35931		07/28/04 1814	pam
	Vinyl chloride	270		12	100	20.00000	ug/L	35931		07/28/04 1814	pam
	Bromomethane	ND	U	54	100	20.00000	ug/L	35931		07/28/04 1814	pam
	Chloroethane	ND	U	34	100	20.00000	ug/L	35931		07/28/04 1814	pam
	1,1-Dichloroethene	33	J	16	100	20.00000	ug/L	35931		07/28/04 1814	pam
	Carbon disulfide	ND	U	8	100	20.00000	ug/L	35931		07/28/04 1814	pam
	Acetone	ND	U	40	200	20.00000	ug/L	35931		07/28/04 1814	pam
	Methylene chloride	ND	U	12	100	20.00000	ug/L	35931		07/28/04 1814	pam
	trans-1,2-Dichloroethene	ND	U	10	100	20.00000	ug/L	35931		07/28/04 1814	pam
	1,1-Dichloroethane	ND	U	8	100	20.00000	ug/L	35931		07/28/04 1814	pam
	Vinyl acetate	ND	U	38	100	20.00000	ug/L	35931		07/28/04 1814	pam
	cis-1,2-Dichloroethene	1700		14	100	20.00000	ug/L	35931		07/28/04 1814	pam
	2-Butanone (MEK)	ND	U	32	200	20.00000	ug/L	35931		07/28/04 1814	pam
	Chloroform	ND	U	12	100	20.00000	ug/L	35931		07/28/04 1814	pam
	1,1,1-Trichloroethane	ND	U	18	100	20.00000	ug/L	35931		07/28/04 1814	pam
	Carbon tetrachloride	ND	U	12	100	20.00000	ug/L	35931		07/28/04 1814	pam
	Benzene	ND	U	10	100	20.00000	ug/L	35931		07/28/04 1814	pam
	1,2-Dichloroethane	ND	U	12	100	20.00000	ug/L	35931		07/28/04 1814	pam
	Trichloroethene	310		16	100	20.00000	ug/L	35931		07/28/04 1814	pam
	1,2-Dichloropropane	ND	U	14	100	20.00000	ug/L	35931		07/28/04 1814	pam
	Bromodichloromethane	ND	U	14	100	20.00000	ug/L	35931		07/28/04 1814	pam
	cis-1,3-Dichloropropene	ND	U	8	100	20.00000	ug/L	35931		07/28/04 1814	pam
	4-Methyl-2-pentanone (MIBK)	ND	U	18	200	20.00000	ug/L	35931		07/28/04 1814	pam
	Toluene	12	J	8	100	20.00000	ug/L	35931		07/28/04 1814	pam
	trans-1,3-Dichloropropene	ND	U	16	100	20.00000	ug/L	35931		07/28/04 1814	pam
	1,1,2-Trichloroethane	ND	U	16	100	20.00000	ug/L	35931		07/28/04 1814	pam
	Tetrachloroethene	550		8	100	20.00000	ug/L	35931		07/28/04 1814	pam
	2-Hexanone	ND	U	14	200	20.00000	ug/L	35931		07/28/04 1814	pam

* In Description = Dry Wgt.

Job Number: 207138 Date: 08/03/2004

LABORATORY TEST RESULTS PROJECT: HICKSVILLE SITE ATTN: Leslie Sherburne

Customer Sample ID: UVB-1-IN Laboratory Sample ID: 207138-11
 Date Sampled.....: 07/16/2004 Date Received.....: 07/17/2004
 Time Sampled.....: 16:52 Time Received.....: 10:30
 Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U	10	100	20.00000	ug/L	35931		07/28/04 1814	pam
	Chlorobenzene	ND	U	10	100	20.00000	ug/L	35931		07/28/04 1814	pam
	Ethylbenzene	ND	U	10	100	20.00000	ug/L	35931		07/28/04 1814	pam
	Styrene	ND	U	14	100	20.00000	ug/L	35931		07/28/04 1814	pam
	Bromoform	ND	U	16	100	20.00000	ug/L	35931		07/28/04 1814	pam
	1,1,2,2-Tetrachloroethane	ND	U	14	100	20.00000	ug/L	35931		07/28/04 1814	pam
	Xylenes (total)	ND	U	18	100	20.00000	ug/L	35931		07/28/04 1814	pam
	1,3-Dichlorobenzene	ND	U	16	100	20.00000	ug/L	35931		07/28/04 1814	pam
	1,4-Dichlorobenzene	ND	U	8	100	20.00000	ug/L	35931		07/28/04 1814	pam
	1,2-Dichlorobenzene	170		18	100	20.00000	ug/L	35931		07/28/04 1814	pam

Job Number: 207138

LABORATORY TEST RESULTS

Date: 08/03/2004

CUSTOMER: ENVIRONMENTAL STRATEGIES CONSULTING LLC

PROJECT: HICKSVILLE SITE

ATTN: Leslie Sherburne

Customer Sample ID: UVB-1-OUT
 Date Sampled.....: 07/16/2004
 Time Sampled.....: 16:56
 Sample Matrix.....: Water

Laboratory Sample ID: 207138-12
 Date Received.....: 07/17/2004
 Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)	ND	U	1	5	1.00000	ug/L	35895		07/27/04	1626 pam
	Chloromethane	3	U	0.6	5	1.00000	ug/L	35895		07/27/04	1626 pam
	Vinyl chloride	ND	U	3	5	1.00000	ug/L	35895		07/27/04	1626 pam
	Bromomethane	ND	U	2	5	1.00000	ug/L	35895		07/27/04	1626 pam
	Chloroethane	ND	U	0.8	5	1.00000	ug/L	35895		07/27/04	1626 pam
	1,1-Dichloroethene	ND	U	0.4	5	1.00000	ug/L	35895		07/27/04	1626 pam
	Carbon disulfide	6	U	2	10	1.00000	ug/L	35895		07/27/04	1626 pam
	Acetone	ND	U	0.6	5	1.00000	ug/L	35895		07/27/04	1626 pam
	Methylene chloride	ND	U	0.5	5	1.00000	ug/L	35895		07/27/04	1626 pam
	trans-1,2-Dichloroethene	ND	U	0.4	5	1.00000	ug/L	35895		07/27/04	1626 pam
	1,1-Dichloroethane	ND	U	2	5	1.00000	ug/L	35895		07/27/04	1626 pam
	Vinyl acetate	130	U	0.7	5	1.00000	ug/L	35895		07/27/04	1626 pam
	cis-1,2-Dichloroethene	ND	U	2	10	1.00000	ug/L	35895		07/27/04	1626 pam
	2-Butanone (MEK)	ND	U	0.6	5	1.00000	ug/L	35895		07/27/04	1626 pam
	Chloroform	ND	U	0.9	5	1.00000	ug/L	35895		07/27/04	1626 pam
	1,1,1-Trichloroethane	ND	U	0.6	5	1.00000	ug/L	35895		07/27/04	1626 pam
	Carbon tetrachloride	ND	U	0.5	5	1.00000	ug/L	35895		07/27/04	1626 pam
	Benzene	ND	U	0.6	5	1.00000	ug/L	35895		07/27/04	1626 pam
	1,2-Dichloroethane	ND	U	0.8	5	1.00000	ug/L	35895		07/27/04	1626 pam
	Trichloroethene	13	U	0.7	5	1.00000	ug/L	35895		07/27/04	1626 pam
	1,2-Dichloropropane	ND	U	0.7	5	1.00000	ug/L	35895		07/27/04	1626 pam
	Bromodichloromethane	ND	U	0.4	5	1.00000	ug/L	35895		07/27/04	1626 pam
	cis-1,3-Dichloropropene	ND	U	0.9	10	1.00000	ug/L	35895		07/27/04	1626 pam
	4-Methyl-2-pentanone (MIBK)	ND	U	0.4	5	1.00000	ug/L	35895		07/27/04	1626 pam
	Toluene	ND	U	0.8	5	1.00000	ug/L	35895		07/27/04	1626 pam
	trans-1,3-Dichloropropene	ND	U	0.8	5	1.00000	ug/L	35895		07/27/04	1626 pam
	1,1,2-Trichloroethane	ND	U	0.4	5	1.00000	ug/L	35895		07/27/04	1626 pam
	Tetrachloroethene	14	U	0.7	10	1.00000	ug/L	35895		07/27/04	1626 pam
	2-Hexanone	ND	U	0.7				35895		07/27/04	1626 pam

* In Description = Dry Wgt.

Job Number: 207138 LABORATORY TEST RESULTS Date: 08/03/2004

SIOMER: ENVIRONMENTAL STRATEGIES CONSULTING LLC PROJECT: HICKSVILLE SITE ATTN: Leslie Sherburne

Customer Sample ID: UVB-1-OUT Laboratory Sample ID: 207138-12
 Date Sampled.....: 07/16/2004 Date Received.....: 07/17/2004
 Time Sampled.....: 16:56 Time Received.....: 10:30
 Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U	0.5	5	1.00000	ug/L	35895		07/27/04 1626	pam
	Chlorobenzene	ND	U	0.5	5	1.00000	ug/L	35895		07/27/04 1626	pam
	Ethylbenzene	ND	U	0.5	5	1.00000	ug/L	35895		07/27/04 1626	pam
	Styrene	ND	U	0.7	5	1.00000	ug/L	35895		07/27/04 1626	pam
	Bromoform	ND	U	0.8	5	1.00000	ug/L	35895		07/27/04 1626	pam
	1,1,2,2-Tetrachloroethane	ND	U	0.7	5	1.00000	ug/L	35895		07/27/04 1626	pam
	Xylenes (total)	ND	U	0.9	5	1.00000	ug/L	35895		07/27/04 1626	pam
	1,3-Dichlorobenzene	ND	U	0.8	5	1.00000	ug/L	35895		07/27/04 1626	pam
	1,4-Dichlorobenzene	ND	U	0.4	5	1.00000	ug/L	35895		07/27/04 1626	pam
	1,2-Dichlorobenzene	ND	U	0.9	5	1.00000	ug/L	35895		07/27/04 1626	pam
		33									

* In Description = Dry Wgt.

Job Number: 207138

LABORATORY TEST RESULTS

Date: 08/03/2004

ISTOVER: ENVIRONMENTAL STRATEGIES CONSULTING LLC

PROJECT: HICKSVILLE SITE

ATTN: Leslie Sherburne

Customer Sample ID: UVB-1-IN

Date Sampled.....: 07/16/2004

Time Sampled.....: 17:25

Sample Matrix.....: Water

Laboratory Sample ID: 207138-13

Date Received.....: 07/17/2004

Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)	ND	U	28	100	20.00000	ug/L	35931		07/28/04 1846	pan
	Chloromethane	230		12	100	20.00000	ug/L	35931		07/28/04 1846	pan
	Vinyl chloride	ND	U	54	100	20.00000	ug/L	35931		07/28/04 1846	pan
	Bromomethane	ND	U	34	100	20.00000	ug/L	35931		07/28/04 1846	pan
	Chloroethane	23	J	16	100	20.00000	ug/L	35931		07/28/04 1846	pan
	1,1-Dichloroethene	ND	U	8	100	20.00000	ug/L	35931		07/28/04 1846	pan
	Carbon disulfide	ND	U	40	200	20.00000	ug/L	35931		07/28/04 1846	pan
	Acetone	ND	U	12	100	20.00000	ug/L	35931		07/28/04 1846	pan
	Methylene chloride	ND	U	10	100	20.00000	ug/L	35931		07/28/04 1846	pan
	trans-1,2-Dichloroethene	ND	U	8	100	20.00000	ug/L	35931		07/28/04 1846	pan
	1,1-Dichloroethane	ND	U	38	100	20.00000	ug/L	35931		07/28/04 1846	pan
	Vinyl acetate	1900		14	100	20.00000	ug/L	35931		07/28/04 1846	pan
	cis-1,2-Dichloroethene	ND	U	32	200	20.00000	ug/L	35931		07/28/04 1846	pan
	2-Butanone (MEK)	ND	U	12	100	20.00000	ug/L	35931		07/28/04 1846	pan
	Chloroform	ND	U	18	100	20.00000	ug/L	35931		07/28/04 1846	pan
	1,1,1-Trichloroethane	ND	U	12	100	20.00000	ug/L	35931		07/28/04 1846	pan
	Carbon tetrachloride	ND	U	12	100	20.00000	ug/L	35931		07/28/04 1846	pan
	Benzene	ND	U	16	100	20.00000	ug/L	35931		07/28/04 1846	pan
	1,2-Dichloroethane	320		14	100	20.00000	ug/L	35931		07/28/04 1846	pan
	Trichloroethene	ND	U	8	100	20.00000	ug/L	35931		07/28/04 1846	pan
	1,2-Dichloropropane	ND	U	14	100	20.00000	ug/L	35931		07/28/04 1846	pan
	Bromodichloromethane	ND	U	14	100	20.00000	ug/L	35931		07/28/04 1846	pan
	cis-1,3-Dichloropropene	ND	U	8	100	20.00000	ug/L	35931		07/28/04 1846	pan
	4-Methyl-2-pentanone (MTBK)	ND	U	18	200	20.00000	ug/L	35931		07/28/04 1846	pan
	Toluene	12	J	8	100	20.00000	ug/L	35931		07/28/04 1846	pan
	trans-1,3-Dichloropropene	ND	U	16	100	20.00000	ug/L	35931		07/28/04 1846	pan
	1,1,2-Trichloroethane	ND	U	16	100	20.00000	ug/L	35931		07/28/04 1846	pan
	Tetrachloroethene	490		8	100	20.00000	ug/L	35931		07/28/04 1846	pan
	2-Hexanone	ND	U	14	200	20.00000	ug/L	35931		07/28/04 1846	pan

* In Description = Dry Wgt.

Job Number: 207138 LABORATORY TEST RESULTS Date: 08/03/2004

CLIENT: ENVIRONMENTAL STRATEGIES CONSULTING LLC PROJECT: HICKSVILLE SITE ATTN: Leslie Sherburne

Customer Sample ID: UVB-1-IN Laboratory Sample ID: 207138-13
 Date Sampled.....: 07/16/2004 Date Received.....: 07/17/2004
 Time Sampled.....: 17:25 Time Received.....: 10:30
 Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U	10	100	20.00000	ug/L	35931		07/28/04 1846	pam
	Chlorobenzene	ND	U	10	100	20.00000	ug/L	35931		07/28/04 1846	pam
	Ethylbenzene	ND	U	10	100	20.00000	ug/L	35931		07/28/04 1846	pam
	Styrene	ND	U	14	100	20.00000	ug/L	35931		07/28/04 1846	pam
	Bromoform	ND	U	16	100	20.00000	ug/L	35931		07/28/04 1846	pam
	1,1,2,2-Tetrachloroethane	ND	U	14	100	20.00000	ug/L	35931		07/28/04 1846	pam
	Xylenes (total)	ND	U	18	100	20.00000	ug/L	35931		07/28/04 1846	pam
	1,3-Dichlorobenzene	ND	U	16	100	20.00000	ug/L	35931		07/28/04 1846	pam
	1,4-Dichlorobenzene	ND	U	8	100	20.00000	ug/L	35931		07/28/04 1846	pam
	1,2-Dichlorobenzene	190		18	100	20.00000	ug/L	35931		07/28/04 1846	pam

Job Number: 207138

LABORATORY TEST RESULTS

Date: 08/03/2004

CUSTOMER: ENVIRONMENTAL STRATEGIES CONSULTING LLC

PROJECT: HICKSVILLE SITE

ATTN: Leslie Sherburne

Customer Sample ID: UVB-1-OUT
 Date Sampled.....: 07/16/2004
 Time Sampled.....: 17:30
 Sample Matrix.....: Water

Laboratory Sample ID: 207138-14
 Date Received.....: 07/17/2004
 Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)	ND	U	1	5	1.00000	ug/L	35895		07/27/04	1655
	Chloromethane	2	U	0.6	5	1.00000	ug/L	35895		07/27/04	1655
	Vinyl chloride	ND	U	3	5	1.00000	ug/L	35895		07/27/04	1655
	Bromomethane	ND	U	2	5	1.00000	ug/L	35895		07/27/04	1655
	Chloroethane	ND	U	0.8	5	1.00000	ug/L	35895		07/27/04	1655
	1,1-Dichloroethene	ND	U	0.4	5	1.00000	ug/L	35895		07/27/04	1655
	Carbon disulfide	ND	U	2	10	1.00000	ug/L	35895		07/27/04	1655
	Acetone	ND	U	0.6	5	1.00000	ug/L	35895		07/27/04	1655
	Methylene chloride	ND	U	0.5	5	1.00000	ug/L	35895		07/27/04	1655
	trans-1,2-Dichloroethene	ND	U	0.4	5	1.00000	ug/L	35895		07/27/04	1655
	1,1-Dichloroethane	ND	U	2	5	1.00000	ug/L	35895		07/27/04	1655
	Vinyl acetate	66	U	0.7	5	1.00000	ug/L	35895		07/27/04	1655
	cis-1,2-Dichloroethene	ND	U	2	10	1.00000	ug/L	35895		07/27/04	1655
	2-Butanone (MEK)	ND	U	0.6	5	1.00000	ug/L	35895		07/27/04	1655
	Chloroform	ND	U	0.9	5	1.00000	ug/L	35895		07/27/04	1655
	1,1,1-Trichloroethane	ND	U	0.6	5	1.00000	ug/L	35895		07/27/04	1655
	Carbon tetrachloride	ND	U	0.5	5	1.00000	ug/L	35895		07/27/04	1655
	Benzene	ND	U	0.6	5	1.00000	ug/L	35895		07/27/04	1655
	1,2-Dichloroethane	ND	U	0.8	5	1.00000	ug/L	35895		07/27/04	1655
	Trichloroethene	7	U	0.7	5	1.00000	ug/L	35895		07/27/04	1655
	1,2-Dichloropropane	ND	U	0.4	5	1.00000	ug/L	35895		07/27/04	1655
	Bromodichloromethane	ND	U	0.9	5	1.00000	ug/L	35895		07/27/04	1655
	cis-1,3-Dichloropropene	ND	U	0.4	10	1.00000	ug/L	35895		07/27/04	1655
	4-Methyl-2-pentanone (MIBK)	ND	U	0.9	5	1.00000	ug/L	35895		07/27/04	1655
	Toluene	ND	U	0.4	5	1.00000	ug/L	35895		07/27/04	1655
	trans-1,3-Dichloropropene	ND	U	0.8	5	1.00000	ug/L	35895		07/27/04	1655
	1,1,2-Trichloroethane	ND	U	0.8	5	1.00000	ug/L	35895		07/27/04	1655
	Tetrachloroethene	8	U	0.4	5	1.00000	ug/L	35895		07/27/04	1655
	2-Hexanone	ND	U	0.7	10	1.00000	ug/L	35895		07/27/04	1655

* In Description = Dry Wgt.

Job Number: 207138	LABORATORY TEST RESULTS	Date: 08/03/2004
CLIENT: ENVIRONMENTAL STRATEGIES CONSULTING LLC	PROJECT: HICKSVILLE SITE	ATTN: Leslie Sherburne

Customer Sample ID: UVB-1-OUT
Date Sampled.....: 07/16/2004
Time Sampled.....: 17:30
Sample Matrix.....: Water

Laboratory Sample ID: 207138-14
Date Received.....: 07/17/2004
Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U	0.5	5	1.00000	ug/L	35895		07/27/04 1655	pam
	Chlorobenzene	ND	U	0.5	5	1.00000	ug/L	35895		07/27/04 1655	pam
	Ethylbenzene	ND	U	0.5	5	1.00000	ug/L	35895		07/27/04 1655	pam
	Styrene	ND	U	0.7	5	1.00000	ug/L	35895		07/27/04 1655	pam
	Bromoform	ND	U	0.8	5	1.00000	ug/L	35895		07/27/04 1655	pam
	1,1,2,2-Tetrachloroethane	ND	U	0.7	5	1.00000	ug/L	35895		07/27/04 1655	pam
	Xylenes (total)	ND	U	0.9	5	1.00000	ug/L	35895		07/27/04 1655	pam
	1,3-Dichlorobenzene	ND	U	0.8	5	1.00000	ug/L	35895		07/27/04 1655	pam
	1,4-Dichlorobenzene	ND	U	0.4	5	1.00000	ug/L	35895		07/27/04 1655	pam
	1,2-Dichlorobenzene	ND	U	0.9	5	1.00000	ug/L	35895		07/27/04 1655	pam
		18									

* In Description = Dry Wgt.

Appendix F – Vapor Sampling Laboratory Analytical Reports

**SEVERN
TRENT**

STL

STL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921

Tel: 865 291 3000 Fax: 865 584 4315
www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. 148927/05

Hicksville, NY

Lot #: H4G220248

John Johnson

Environmental Strategies Corpo
11911 Freedom Drive
Suite 900
Reston, VA 20190

SEVERN TRENT LABORATORIES, INC.

A handwritten signature in black ink, appearing to read 'John Reynolds', is written over a horizontal line.

John Reynolds
Project Manager

July 30, 2004



STL

STL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921

Tel: 865 291 3000 Fax: 865 584 4315
www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. 148927/05

Hicksville, NY

Lot #: H4G220248

Brian Silfer or Todd Musteraid

**Environmental Strategies Corp
9 Albany Street
Cazenovia, NY 13035**

SEVERN TRENT LABORATORIES, INC.

A handwritten signature in black ink, appearing to read "John Reynolds".

**John Reynolds
Project Manager**

July 30, 2004

ANALYTICAL METHODS SUMMARY

H4G220248

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Volatile Organics by TO15	EPA-2 TO-15

References:

EPA-2 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-625/R-96/010b, January 1999.

SAMPLE SUMMARY

H4G220248

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GLLKH	001	VSP-402	07/21/04	13:59
GLLKJ	002	VSP-406	07/21/04	14:12
GLLKL	003	VSP-405	07/21/04	14:20

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

PROJECT NARRATIVE

H4G220248

The results reported herein are applicable to the samples submitted for analysis only.

This report shall not be reproduced except in full, without the written approval of the laboratory.

The original chain of custody documentation is included with this report.

Sample Receipt

There were no problems with the condition of the samples received.

Quality Control

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

STL Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ Cert. # 03-049-0, California DHS ELAP Cert. #2423, Colorado DPHE, Connecticut DPH Cert. #PH-0223, Florida DOH Cert. #E87177, Georgia DNR Cert. #906, Hawaii DOH, Illinois EPA Cert. # 000687, Indiana DOH Cert. #C-TN-02, Kansas DHE Cert. # E-10349, Kentucky DEP Lab ID #90101, Louisiana DEQ Cert. #03079, Louisiana DOHH Cert. #LA030024, Maryland DHMH Cert. #277, Massachusetts DEP Cert. #M-TN009, Michigan DEQ Lab ID #9933, New Jersey DEP Cert. #TN001, New York DOH Lab #10781, North Carolina DPH Lab ID #21705, North Carolina DEHNR Cert. #64, Oklahoma DEQ ID #9415, Pennsylvania DEP Cert. # 68-576, South Carolina DHEC Lab ID #84001001, Tennessee DOH Lab ID #02014, Utah DOH Cert. #QUAN3, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, Wisconsin DNR Lab ID #998044300, US Army Corps of Engineers, Naval Facilities Engineering Service Center, US EPA Perchlorate Approval and USDA Soil Permit #S-46424. This list of approvals is subject to change and does not imply that laboratory certification is available for all parameters reported in this environmental sample data report.

Sample Data Summary

ENVIRONMENTAL STRATEGIES CORPORATION

Client Sample ID: VSP-402

GC/MS Volatiles

Lot-Sample #...: H4G220248-001 Work Order #...: GLLKH1AD Matrix.....: AIR
 Date Sampled...: 07/21/04 Date Received...: 07/22/04
 Prep Date.....: 07/26/04 Analysis Date...: 07/26/04
 Prep Batch #...: 4209565
 Dilution Factor: 12 Method.....: EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	2.4	ppb (v/v)	0.74
1,2-Dichloro- 1,1,2,2-tetrafluoroethane	ND	2.4	ppb (v/v)	0.83
Chloromethane	ND	6.0	ppb (v/v)	0.61
Vinyl chloride	260	2.4	ppb (v/v)	0.58
Bromomethane	ND	2.4	ppb (v/v)	0.79
Chloroethane	ND	2.4	ppb (v/v)	0.79
Trichlorofluoromethane	ND	2.4	ppb (v/v)	0.82
1,1-Dichloroethene	ND	2.4	ppb (v/v)	0.72
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	2.4	ppb (v/v)	0.89
Methylene chloride	ND	6.0	ppb (v/v)	0.72
1,1-Dichloroethane	ND	2.4	ppb (v/v)	0.90
cis-1,2-Dichloroethene	ND	2.4	ppb (v/v)	0.97
Chloroform	ND	2.4	ppb (v/v)	0.74
1,1,1-Trichloroethane	ND	2.4	ppb (v/v)	0.74
Carbon tetrachloride	ND	2.4	ppb (v/v)	1.0
Benzene	7.7	2.4	ppb (v/v)	1.0
1,2-Dichloroethane	ND	2.4	ppb (v/v)	0.74
Trichloroethene	ND	2.4	ppb (v/v)	0.77
1,2-Dichloropropane	ND	2.4	ppb (v/v)	0.84
cis-1,3-Dichloropropene	ND	2.4	ppb (v/v)	0.79
Toluene	ND	2.4	ppb (v/v)	0.86
trans-1,3-Dichloropropene	ND	2.4	ppb (v/v)	0.78
1,1,2-Trichloroethane	ND	2.4	ppb (v/v)	1.0
Tetrachloroethene	ND	2.4	ppb (v/v)	1.0
1,2-Dibromoethane (EDB)	ND	2.4	ppb (v/v)	0.91
Chlorobenzene	ND	2.4	ppb (v/v)	0.85
Ethylbenzene	ND	2.4	ppb (v/v)	0.97
m-Xylene & p-Xylene	ND	2.4	ppb (v/v)	0.82
o-Xylene	ND	2.4	ppb (v/v)	0.86
Styrene	ND	2.4	ppb (v/v)	1.0
1,1,2,2-Tetrachloroethane	ND	2.4	ppb (v/v)	0.92
1,3,5-Trimethylbenzene	ND	2.4	ppb (v/v)	0.89
1,2,4-Trimethylbenzene	ND	2.4	ppb (v/v)	0.97
1,3-Dichlorobenzene	ND	2.4	ppb (v/v)	1.0
1,4-Dichlorobenzene	ND	2.4	ppb (v/v)	1.0
1,2-Dichlorobenzene	ND	2.4	ppb (v/v)	1.0
Benzyl chloride	ND	2.4	ppb (v/v)	0.92

(Continued on next page)

ENVIRONMENTAL STRATEGIES CORPORATION

Client Sample ID: VSP-402

GC/MS Volatiles

Lot-Sample #...: H4G220248-001 Work Order #...: GLLKH1AD Matrix.....: AIR

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
1,2,4-Trichloro- benzene	ND	2.4	ppb (v/v)	1.2
Hexachlorobutadiene	ND	2.4	ppb (v/v)	1.1
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
1,2-Dichloroethane-d4	88	(70 - 130)		
Toluene-d8	102	(70 - 130)		
4-Bromofluorobenzene	99	(70 - 130)		

ENVIRONMENTAL STRATEGIES CORPORATION

Client Sample ID: VSP-406

GC/MS Volatiles

Lot-Sample #....: H4G220248-002 Work Order #....: GLLKJ1AD Matrix.....: AIR
 Date Sampled....: 07/21/04 Date Received...: 07/22/04
 Prep Date.....: 07/26/04 Analysis Date...: 07/26/04
 Prep Batch #....: 4209565
 Dilution Factor: 12.35 Method.....: EPA-2 TO-15

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	2.5	ppb (v/v)	0.77
1,2-Dichloro- 1,1,2,2-tetrafluoroethane	ND	2.5	ppb (v/v)	0.85
Chloromethane	ND	6.2	ppb (v/v)	0.63
Vinyl chloride	280	2.5	ppb (v/v)	0.59
Bromomethane	ND	2.5	ppb (v/v)	0.82
Chloroethane	ND	2.5	ppb (v/v)	0.82
Trichlorofluoromethane	ND	2.5	ppb (v/v)	0.84
1,1-Dichloroethene	ND	2.5	ppb (v/v)	0.74
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	2.5	ppb (v/v)	0.91
Methylene chloride	ND	6.2	ppb (v/v)	0.74
1,1-Dichloroethane	ND	2.5	ppb (v/v)	0.93
cis-1,2-Dichloroethene	ND	2.5	ppb (v/v)	1.0
Chloroform	ND	2.5	ppb (v/v)	0.77
1,1,1-Trichloroethane	ND	2.5	ppb (v/v)	0.77
Carbon tetrachloride	ND	2.5	ppb (v/v)	1.0
Benzene	3.3	2.5	ppb (v/v)	1.0
1,2-Dichloroethane	ND	2.5	ppb (v/v)	0.77
Trichloroethene	ND	2.5	ppb (v/v)	0.79
1,2-Dichloropropane	ND	2.5	ppb (v/v)	0.86
cis-1,3-Dichloropropene	ND	2.5	ppb (v/v)	0.82
Toluene	ND	2.5	ppb (v/v)	0.89
trans-1,3-Dichloropropene	ND	2.5	ppb (v/v)	0.80
1,1,2-Trichloroethane	ND	2.5	ppb (v/v)	1.0
Tetrachloroethene	ND	2.5	ppb (v/v)	1.0
1,2-Dibromoethane (EDB)	ND	2.5	ppb (v/v)	0.94
Chlorobenzene	ND	2.5	ppb (v/v)	0.88
Ethylbenzene	ND	2.5	ppb (v/v)	1.0
m-Xylene & p-Xylene	ND	2.5	ppb (v/v)	0.84
o-Xylene	ND	2.5	ppb (v/v)	0.89
Styrene	ND	2.5	ppb (v/v)	1.0
1,1,2,2-Tetrachloroethane	ND	2.5	ppb (v/v)	0.95
1,3,5-Trimethylbenzene	ND	2.5	ppb (v/v)	0.91
1,2,4-Trimethylbenzene	ND	2.5	ppb (v/v)	1.0
1,3-Dichlorobenzene	ND	2.5	ppb (v/v)	1.0
1,4-Dichlorobenzene	ND	2.5	ppb (v/v)	1.1
1,2-Dichlorobenzene	ND	2.5	ppb (v/v)	1.0
Benzyl chloride	ND	2.5	ppb (v/v)	0.95

(Continued on next page)

ENVIRONMENTAL STRATEGIES CORPORATION

Client Sample ID: VSP-406

GC/MS Volatiles

Lot-Sample #...: H4G220248-002 Work Order #...: GLLKJ1AD Matrix.....: AIR

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
1,2,4-Trichloro-benzene	ND	2.5	ppb (v/v)	1.2
Hexachlorobutadiene	ND	2.5	ppb (v/v)	1.1
SURROGATE	PERCENT		RECOVERY	
	RECOVERY	LIMITS		
1,2-Dichloroethane-d4	90	(70 - 130)		
Toluene-d8	103	(70 - 130)		
4-Bromofluorobenzene	100	(70 - 130)		

ENVIRONMENTAL STRATEGIES CORPORATION

Client Sample ID: VSP-405

GC/MS Volatiles

Lot-Sample #....: H4G220248-003 Work Order #....: GLLKLIAD Matrix.....: AIR
 Date Sampled....: 07/21/04 Date Received...: 07/22/04
 Prep Date.....: 07/23/04 Analysis Date...: 07/24/04
 Prep Batch #....: 4208202
 Dilution Factor: 72.5 Method.....: EPA-2 TO-15

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	14	ppb (v/v)	4.5
1,2-Dichloro- 1,1,2,2-tetrafluoroethane	ND	14	ppb (v/v)	5.0
Chloromethane	ND	36	ppb (v/v)	3.7
Vinyl chloride	360	14	ppb (v/v)	3.5
Bromomethane	ND	14	ppb (v/v)	4.8
Chloroethane	ND	14	ppb (v/v)	4.8
Trichlorofluoromethane	ND	14	ppb (v/v)	4.9
1,1-Dichloroethene	53	14	ppb (v/v)	4.4
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	14	ppb (v/v)	5.4
Methylene chloride	ND	36	ppb (v/v)	4.4
1,1-Dichloroethane	16	14	ppb (v/v)	5.4
cis-1,2-Dichloroethene	1400	14	ppb (v/v)	5.9
Chloroform	ND	14	ppb (v/v)	4.5
1,1,1-Trichloroethane	32	14	ppb (v/v)	4.5
Carbon tetrachloride	ND	14	ppb (v/v)	6.0
Benzene	ND	14	ppb (v/v)	6.2
1,2-Dichloroethane	ND	14	ppb (v/v)	4.5
Trichloroethene	520	14	ppb (v/v)	4.6
1,2-Dichloropropane	ND	14	ppb (v/v)	5.1
cis-1,3-Dichloropropene	ND	14	ppb (v/v)	4.8
Toluene	ND	14	ppb (v/v)	5.2
trans-1,3-Dichloropropene	ND	14	ppb (v/v)	4.7
1,1,2-Trichloroethane	ND	14	ppb (v/v)	6.0
Tetrachloroethene	1400	14	ppb (v/v)	6.2
1,2-Dibromoethane (EDB)	ND	14	ppb (v/v)	5.5
Chlorobenzene	ND	14	ppb (v/v)	5.1
Ethylbenzene	ND	14	ppb (v/v)	5.9
m-Xylene & p-Xylene	ND	14	ppb (v/v)	4.9
o-Xylene	ND	14	ppb (v/v)	5.2
Styrene	ND	14	ppb (v/v)	6.0
1,1,2,2-Tetrachloroethane	ND	14	ppb (v/v)	5.6
1,3,5-Trimethylbenzene	ND	14	ppb (v/v)	5.4
1,2,4-Trimethylbenzene	ND	14	ppb (v/v)	5.9
1,3-Dichlorobenzene	ND	14	ppb (v/v)	6.0
1,4-Dichlorobenzene	ND	14	ppb (v/v)	6.3
1,2-Dichlorobenzene	ND	14	ppb (v/v)	6.0
Benzyl chloride	ND	14	ppb (v/v)	5.6

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ENVIRONMENTAL STRATEGIES CORPORATION

Client Sample ID: VSP-405

GC/MS Volatiles

Lot-Sample #...: H4G220248-003 Work Order #...: GLLKL1AD Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
1,2,4-Trichloro- benzene	ND	14	ppb (v/v)	7.1
Hexachlorobutadiene	ND	14	ppb (v/v)	6.4
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
1,2-Dichloroethane-d4	89	(70 - 130)		
Toluene-d8	104	(70 - 130)		
4-Bromofluorobenzene	99	(70 - 130)		

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H4G220248
MB Lot-Sample #: H4G260000-202

Work Order #...: GLT2E1AA

Matrix.....: AIR

Analysis Date...: 07/23/04
Dilution Factor: 1

Prep Date.....: 07/23/04

Prep Batch #...: 4208202

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,2-Dichloro- 1,1,2,2-tetrafluoroethane	ND	0.20	ppb (v/v)	EPA-2 TO-15
Chloromethane	ND	0.50	ppb (v/v)	EPA-2 TO-15
Vinyl chloride	ND	0.20	ppb (v/v)	EPA-2 TO-15
Bromomethane	ND	0.20	ppb (v/v)	EPA-2 TO-15
Chloroethane	ND	0.20	ppb (v/v)	EPA-2 TO-15
Trichlorofluoromethane	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,1-Dichloroethene	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	0.20	ppb (v/v)	EPA-2 TO-15
Methylene chloride	ND	0.50	ppb (v/v)	EPA-2 TO-15
1,1-Dichloroethane	ND	0.20	ppb (v/v)	EPA-2 TO-15
cis-1,2-Dichloroethene	ND	0.20	ppb (v/v)	EPA-2 TO-15
Chloroform	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,1,1-Trichloroethane	ND	0.20	ppb (v/v)	EPA-2 TO-15
Carbon tetrachloride	ND	0.20	ppb (v/v)	EPA-2 TO-15
Benzene	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,2-Dichloroethane	ND	0.20	ppb (v/v)	EPA-2 TO-15
Trichloroethene	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,2-Dichloropropane	ND	0.20	ppb (v/v)	EPA-2 TO-15
cis-1,3-Dichloropropene	ND	0.20	ppb (v/v)	EPA-2 TO-15
Toluene	ND	0.20	ppb (v/v)	EPA-2 TO-15
trans-1,3-Dichloropropene	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,1,2-Trichloroethane	ND	0.20	ppb (v/v)	EPA-2 TO-15
Tetrachloroethene	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,2-Dibromoethane (EDB)	ND	0.20	ppb (v/v)	EPA-2 TO-15
Chlorobenzene	ND	0.20	ppb (v/v)	EPA-2 TO-15
Ethylbenzene	ND	0.20	ppb (v/v)	EPA-2 TO-15
m-Xylene & p-Xylene	ND	0.20	ppb (v/v)	EPA-2 TO-15
o-Xylene	ND	0.20	ppb (v/v)	EPA-2 TO-15
Styrene	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,3,5-Trimethylbenzene	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,2,4-Trimethylbenzene	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,3-Dichlorobenzene	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,4-Dichlorobenzene	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,2-Dichlorobenzene	ND	0.20	ppb (v/v)	EPA-2 TO-15
Benzyl chloride	ND	0.20	ppb (v/v)	EPA-2 TO-15
2,4-Trichloro- benzene	ND	0.20	ppb (v/v)	EPA-2 TO-15

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H4G220248

Work Order #...: GLT2E1AA

Matrix.....: AIR

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Hexachlorobutadiene	ND	0.20	ppb (v/v)	EPA-2 TO-15
<u>SURROGATE</u>	<u>PERCENT</u>		<u>RECOVERY</u>	
	<u>RECOVERY</u>		<u>LIMITS</u>	
1,2-Dichloroethane-d4	87		(70 - 130)	
Toluene-d8	103		(70 - 130)	
4-Bromofluorobenzene	97		(70 - 130)	

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H4G220248 Work Order #...: GLT2E1AC Matrix.....: AIR
 LCS Lot-Sample#: H4G260000-202
 Prep Date.....: 07/23/04 Analysis Date...: 07/23/04
 Prep Batch #...: 4208202
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	113	(70 - 130)	EPA-2 TO-15
Benzene	105	(70 - 130)	EPA-2 TO-15
Trichloroethene	102	(70 - 130)	EPA-2 TO-15
Toluene	105	(70 - 130)	EPA-2 TO-15
Chlorobenzene	108	(70 - 130)	EPA-2 TO-15

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	85	(70 - 130)
Toluene-d8	99	(70 - 130)
4-Bromofluorobenzene	89	(70 - 130)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: H4G220248 Work Order #...: GLT2E1AC Matrix.....: AIR
 LCS Lot-Sample#: H4G260000-202
 Prep Date.....: 07/23/04 Analysis Date...: 07/23/04
 Prep Batch #...: 4208202
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	10.0	11.3	ppb (v/v)	113	EPA-2 TO-15
Benzene	10.0	10.5	ppb (v/v)	105	EPA-2 TO-15
Trichloroethene	10.0	10.2	ppb (v/v)	102	EPA-2 TO-15
Toluene	10.0	10.5	ppb (v/v)	105	EPA-2 TO-15
Chlorobenzene	10.0	10.8	ppb (v/v)	108	EPA-2 TO-15

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	85	(70 - 130)
Toluene-d8	99	(70 - 130)
4-Bromofluorobenzene	89	(70 - 130)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H4G220248
MB Lot-Sample #: H4G270000-565

Work Order #...: GL0TV1AA

Matrix.....: AIR

Analysis Date...: 07/26/04
Dilution Factor: 1

Prep Date.....: 07/26/04

Prep Batch #...: 4209565

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,2-Dichloro- 1,1,2,2-tetrafluoroethane	ND	0.20	ppb (v/v)	EPA-2 TO-15
Chloromethane	ND	0.50	ppb (v/v)	EPA-2 TO-15
Vinyl chloride	ND	0.20	ppb (v/v)	EPA-2 TO-15
Bromomethane	ND	0.20	ppb (v/v)	EPA-2 TO-15
Chloroethane	ND	0.20	ppb (v/v)	EPA-2 TO-15
Trichlorofluoromethane	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,1-Dichloroethene	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	0.20	ppb (v/v)	EPA-2 TO-15
Methylene chloride	ND	0.50	ppb (v/v)	EPA-2 TO-15
1,1-Dichloroethane	ND	0.20	ppb (v/v)	EPA-2 TO-15
cis-1,2-Dichloroethene	ND	0.20	ppb (v/v)	EPA-2 TO-15
Chloroform	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,1,1-Trichloroethane	ND	0.20	ppb (v/v)	EPA-2 TO-15
Carbon tetrachloride	ND	0.20	ppb (v/v)	EPA-2 TO-15
Benzene	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,2-Dichloroethane	ND	0.20	ppb (v/v)	EPA-2 TO-15
Trichloroethene	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,2-Dichloropropane	ND	0.20	ppb (v/v)	EPA-2 TO-15
cis-1,3-Dichloropropene	ND	0.20	ppb (v/v)	EPA-2 TO-15
Toluene	ND	0.20	ppb (v/v)	EPA-2 TO-15
trans-1,3-Dichloropropene	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,1,2-Trichloroethane	ND	0.20	ppb (v/v)	EPA-2 TO-15
Tetrachloroethene	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,2-Dibromoethane (EDB)	ND	0.20	ppb (v/v)	EPA-2 TO-15
Chlorobenzene	ND	0.20	ppb (v/v)	EPA-2 TO-15
Ethylbenzene	ND	0.20	ppb (v/v)	EPA-2 TO-15
m-Xylene & p-Xylene	ND	0.20	ppb (v/v)	EPA-2 TO-15
o-Xylene	ND	0.20	ppb (v/v)	EPA-2 TO-15
Styrene	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,3,5-Trimethylbenzene	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,2,4-Trimethylbenzene	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,3-Dichlorobenzene	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,4-Dichlorobenzene	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,2-Dichlorobenzene	ND	0.20	ppb (v/v)	EPA-2 TO-15
Benzyl chloride	ND	0.20	ppb (v/v)	EPA-2 TO-15
1,2,4-Trichloro- benzene	ND	0.20	ppb (v/v)	EPA-2 TO-15

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H4G220248

Work Order #...: GL0TV1AA

Matrix.....: AIR

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Hexachlorobutadiene	ND	0.20	ppb (v/v)	EPA-2 TO-15

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	83	(70 - 130)
Toluene-d8	102	(70 - 130)
4-Bromofluorobenzene	97	(70 - 130)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H4G220248 Work Order #...: GL0TV1AC Matrix.....: AIR
 LCS Lot-Sample#: H4G270000-565
 Prep Date.....: 07/26/04 Analysis Date...: 07/26/04
 Prep Batch #...: 4209565
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
1,1-Dichloroethene	104	(70 - 130)	EPA-2 TO-15
Benzene	97	(70 - 130)	EPA-2 TO-15
Trichloroethene	98	(70 - 130)	EPA-2 TO-15
Toluene	105	(70 - 130)	EPA-2 TO-15
Chlorobenzene	108	(70 - 130)	EPA-2 TO-15

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	82	(70 - 130)
Toluene-d8	106	(70 - 130)
4-Bromofluorobenzene	99	(70 - 130)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: H4G220248 Work Order #....: GL0TV1AC Matrix.....: AIR
 LCS Lot-Sample#: H4G270000-565
 Prep Date.....: 07/26/04 Analysis Date...: 07/26/04
 Prep Batch #....: 4209565
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
1,1-Dichloroethene	10.0	10.4	ppb (v/v)	104	EPA-2 TO-15
Benzene	10.0	9.70	ppb (v/v)	97	EPA-2 TO-15
Trichloroethene	10.0	9.78	ppb (v/v)	98	EPA-2 TO-15
Toluene	10.0	10.5	ppb (v/v)	105	EPA-2 TO-15
Chlorobenzene	10.0	10.8	ppb (v/v)	108	EPA-2 TO-15

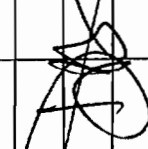
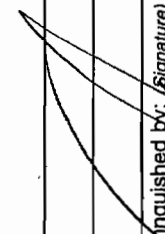
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
1,2-Dichloroethane-d4	82	(70 - 130)
Toluene-d8	106	(70 - 130)
4-Bromofluorobenzene	99	(70 - 130)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Sample Receipt Documentation

PROJECT NO. 148927		PROJECT NAME AND LOCATION: FORWIS 61 - HICKSVILLE, NY		NO. OF CONTAINERS		REMARKS	
SAMPLERS: (Signature)		PRINT NAME: DAVID P. BARKER		VOCs BY TO-15 INCL. DICHORO-CHLOROBENZENE			
SAMPLE I.D.	SAMPLE LOCATION	DATE	TIME	MATRIX			
VSP-402	HICKSVILLE, NY	07/21/04	1359	Vapor	1	X	Standard TAT
VSP-406	HICKSVILLE, NY	07/21/04	1412	Vapor	1	X	
VSP-405	HICKSVILLE, NY	07/21/04	1420	Vapor	1	X	Custody Seals Intact Received Temp. Ambient 3 Boxes / FEDEX T# 8468 2600 1080 PDF 07-22-04 PDF 07-27-04
							
							
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		LAB NAME: OIL - KNOXVILLE	
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		CITY: Knoxville, TN	
Received for Laboratory by: (Signature)		Date/Time		Received by: (Signature)		COURIER: FEDEX	
PRINT NAME: Andrew D. Flores		Date/Time		Received by: (Signature)		AIRBILL NO: 8468 2600 1080	
CUSTODY SEAL NOS: 048927.0704.01-02		Date/Time		Received by: (Signature)		CUSTODY SEAL NOS: 048927.0704.01-02	
COOLER NO: NA		Date/Time		Received by: (Signature)		COOLER NO: NA	
ATTENTION LAB: SEND ANALYTICAL RESULTS TO THE FOLLOWING ESC STAFF MEMBER: 							

ENVIRONMENTAL STRATEGIES CORPORATION
 11911 Freedom Drive
 Reston, Virginia 20190
 (703) 709-6500 • Fax (703) 318-3995
 Fax (412) 787-8065



STL KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: ESCProject: Hicksville, NYLot Number: 446220248

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	☒			☐ 1a Do not match COC ☐ 1b Incomplete information ☐ 1c Marking smeared ☐ 1d Label torn ☐ 1e No label ☐ 1f COC not received ☐ 1g Other:	
2. Is the cooler temperature within limits? (North Carolina, 1668, 1613B: 0-4°C; VOST: 10°C) (Cooler temp should be used only if no temp blank.)		☒		☐ 2a Temp Blank = _____ ☐ 2b Cooler Temp = _____	
3. Were samples received with correct chemical preservative (excluding Encore)?		☒		☐ 3a Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?	☒			☐ 4a Not present ☐ 4b Not intact ☐ 4c Other:	
5. Were all of the samples listed on the COC received?	☒			☐ 5a Samples received-not on COC ☐ 5b Samples not received-on COC	
6. Were all of the sample containers received intact?	☒			☐ 6a Leaking ☐ 6b Broken	
7. Were VOA samples received without headspace?			☒	☐ 7a Headspace (VOA only)	
8. Were samples received in appropriate containers?	☒			☐ 8a Improper container	
9. Did you check for residual chlorine, if necessary?			☒		
10. Were samples received with $\geq \frac{1}{2}$ HT remaining?	☒			☐ 10a Holding time expired ☐ 10b $< \frac{1}{2}$ HT left	
11. For rad samples, was sample activity info. provided?			☒	☐ Incomplete information	
12. For SOG water samples (1613B, 1668A, 8290, LR PAHs), do samples have visible solids present?			☒	If yes, was SOG notified? _____	
13. Are the coolers intact?	☒			☐ 13a Leaking ☐ 13b Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	☒			☐ 14a Not relinquished by client	
15. Are tests/parameters listed for each sample?	☒			☐ 15a Incomplete information	
16. Is the matrix of the samples noted?	☒			☐ 15a Incomplete information	
17. Is the date/time of sample collection noted?	☒			☐ 15a Incomplete information	
18. Is the client and project name/# identified?	☒			☐ 15a Incomplete information	
19. Was the sampler identified on the COC?	☒			☐ 15a Incomplete information	
Quote #:				PM Instructions:	

Appendix G - VOC Emissions Modeling Results

Table G-1

**ISCLT2 Model Output - 1,2-Dichlorobenzene
Former General Instrument Corporation Site
Hicksville, New York**

1,2-Dichlorobenzene			1,2-Dichlorobenzene			1,2-Dichlorobenzene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
616000	511000	1.08495E-05	620000	511500	4.49611E-05	621500	512500	0.000234094
616000	512000	1.15099E-05	620000	512000	4.89123E-05	621500	512750	0.000262896
616000	513000	1.16477E-05	620000	512500	5.39792E-05	621500	513000	0.000286908
616000	514000	1.00801E-05	620000	513000	5.57495E-05	621500	513250	0.00023575
616000	515000	8.13464E-06	620000	513500	4.65377E-05	621500	513500	0.0001644
616000	516000	6.58626E-06	620000	514000	3.39741E-05	621500	513750	0.000138474
616000	517000	6.08616E-06	620000	514500	2.94998E-05	621500	514000	0.000111825
616000	518000	5.50509E-06	620000	515000	2.55396E-05	621500	514250	9.72593E-05
617000	511000	1.36685E-05	620000	516000	1.98239E-05	621500	514500	8.26665E-05
617000	512000	1.48839E-05	620000	517000	1.58512E-05	621500	515000	5.9827E-05
617000	513000	1.51893E-05	620000	518000	1.26785E-05	621750	512750	0.00043394
617000	514000	1.27307E-05	620500	511500	5.93472E-05	621750	512875	0.000469617
617000	515000	9.68174E-06	620500	512000	6.90104E-05	621750	513000	0.000495701
617000	516000	8.24895E-06	620500	512500	7.72055E-05	621750	513125	0.000463211
617000	517000	7.36833E-06	620500	513000	8.19011E-05	621750	513250	0.000371096
617000	518000	6.45031E-06	620500	513500	6.44527E-05	621750	513375	0.000288571
618000	511000	1.82954E-05	620500	514000	4.60345E-05	621750	513500	0.000259782
618000	512000	2.025E-05	620500	514500	3.90569E-05	621750	513625	0.000225191
618000	513000	2.09855E-05	620500	515000	3.18868E-05	621750	513750	0.000195198
618000	514000	1.67382E-05	621000	511000	5.12425E-05	621750	514000	0.000159068
618000	515000	1.19572E-05	621000	511500	7.54046E-05	621750	514250	0.000126162
618000	516000	1.05898E-05	621000	512000	0.000102605	621750	514500	0.000100864
618000	517000	9.0064E-06	621000	512500	0.000120674	621875	512875	0.00064645
618000	518000	7.92397E-06	621000	512750	0.000132447	621875	513000	0.000705035
619000	511000	2.61889E-05	621000	513000	0.000136265	621875	513125	0.00064974
619000	511500	2.7672E-05	621000	513250	0.000121012	621875	513250	0.000483986
619000	512000	2.9616E-05	621000	513500	9.57445E-05	621875	513375	0.000394143
619000	512500	3.13195E-05	621000	513750	7.70611E-05	621875	513500	0.000335153
619000	513000	3.16837E-05	621000	514000	6.94705E-05	621875	513625	0.000281558
619000	513500	2.80801E-05	621000	514250	6.08305E-05	621875	513750	0.000249513
619000	514000	2.31854E-05	621000	514500	5.29625E-05	622000	511000	5.96313E-05
619000	514500	1.82065E-05	621000	515000	4.42934E-05	622000	511500	9.2003E-05
619000	515000	1.69891E-05	621000	516000	2.95306E-05	622000	512000	0.000162394
619000	516000	1.38864E-05	621000	517000	2.35913E-05	622000	512500	0.000452916
619000	517000	1.1693E-05	621000	518000	2.0055E-05	622000	512750	0.000833842
619000	518000	1.01114E-05	621250	512750	0.000180775	622000	512875	0.000978546
619500	511500	3.48467E-05	621250	513000	0.000189693	622000	513000	0.001086164
619500	512000	3.71558E-05	621250	513250	0.000163588	622000	513125	0.000979679
619500	512500	4.01933E-05	621250	513500	0.000119952	622000	513250	0.000659667
619500	513000	4.09618E-05	621250	513750	0.000101758	622000	513375	0.000557249
619500	513500	3.54414E-05	621250	514000	8.72926E-05	622000	513500	0.000447568
619500	514000	2.79018E-05	621250	514250	7.37465E-05	622000	513625	0.000380045
619500	514500	2.28719E-05	621250	514500	6.6452E-05	622000	513750	0.000314864
619500	515000	2.06981E-05	621500	511500	8.23007E-05	622000	514000	0.000217921
620000	511000	3.9558E-05	621500	512000	0.000146597	622000	514250	0.000187866
622000	514500	0.000158752	622252	513312	0.00174592	622347	513311	0.003906138
622000	515000	0.00011278	622252	513374	0.00140457	622347	513326	0.003664053

Table G-1

ISCLT2 Model Output - 1,2-Dichlorobenzene
Former General Instrument Corporation Site
Hicksville, New York

1,2-Dichlorobenzene			1,2-Dichlorobenzene			1,2-Dichlorobenzene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622000	516000	6.4505E-05	622252	513436	0.001164153	622347	513341	0.003436155
622000	517000	4.2371E-05	622252	513498	0.001084742	622362	513236	0.006539091
622000	518000	3.047E-05	622314	513064	0.00561361	622362	513251	0.00607774
622125	512875	0.001608813	622314	513126	0.004353318	622362	513266	0.005634042
622125	513000	0.00187006	622314	513157	0.004134363	622362	513281	0.005216704
622125	513125	0.001618933	622314	513188	0.003965919	622362	513296	0.004829768
622125	513250	0.001100814	622314	513219	0.003573806	622362	513311	0.004474464
622125	513375	0.000833713	622314	513250	0.003118076	622362	513326	0.004149909
622125	513500	0.00065541	622314	513281	0.002757539	622362	513341	0.003854353
622125	513625	0.000500365	622314	513312	0.002682588	622375	512875	0.003251831
622125	513750	0.000398064	622314	513343	0.002511701	622375	513000	0.009667432
622128	513064	0.001922031	622314	513374	0.002309568	622375	513125	0.010376679
622128	513126	0.001634185	622314	513436	0.00191534	622375	513250	0.007134119
622128	513188	0.001222697	622314	513498	0.001585539	622375	513375	0.003539267
622128	513250	0.001115497	622317	513236	0.003390089	622375	513500	0.002058091
622128	513312	0.000965433	622317	513251	0.003158826	622375	513625	0.001344544
622128	513374	0.000846	622317	513266	0.002935964	622375	513750	0.000951035
622128	513436	0.000756181	622317	513281	0.002900992	622376	513064	0.002335584
622128	513498	0.00066399	622317	513296	0.002863324	622376	513126	0.010644299
622190	513064	0.002662894	622317	513311	0.002794197	622376	513157	0.012744083
622190	513126	0.002160903	622317	513326	0.002705475	622376	513188	0.010728811
622190	513188	0.001702909	622317	513341	0.002605405	622376	513219	0.008794978
622190	513250	0.00147766	622332	513236	0.003817372	622376	513250	0.007212853
622190	513312	0.001269263	622332	513251	0.003828448	622376	513281	0.005958476
622190	513374	0.001101978	622332	513266	0.0037605	622376	513312	0.004971404
622190	513436	0.000934289	622332	513281	0.003644235	622376	513343	0.004193795
622190	513498	0.000788638	622332	513296	0.003500478	622376	513374	0.003576634
622250	512750	0.001236296	622332	513311	0.003342795	622376	513436	0.002681219
622250	512875	0.002464846	622332	513326	0.003180003	622376	513498	0.002081537
622250	513000	0.003835085	622332	513341	0.003017795	622377	513236	0.007979995
622250	513125	0.002858126	622345	513157	0.006072478	622377	513251	0.007245136
622250	513250	0.002066796	622345	513188	0.005300111	622377	513266	0.006591693
622250	513375	0.001389398	622345	513219	0.005053253	622377	513281	0.006010978
622250	513500	0.001065954	622345	513250	0.004790696	622377	513296	0.005495057
622250	513625	0.000854691	622345	513281	0.004316371	622377	513311	0.005036746
622250	513750	0.000674564	622345	513312	0.003814755	622377	513326	0.004629048
622250	514000	0.000440823	622345	513343	0.003352056	622377	513341	0.004265732
622250	514250	0.000309911	622345	513374	0.00294671	622392	513236	0.009400354
622250	514500	0.000230801	622347	513236	0.005135884	622392	513251	0.008389042
622252	513064	0.003769906	622347	513251	0.004927359	622392	513266	0.007525957
622252	513126	0.002866369	622347	513266	0.004681829	622392	513281	0.006783321
622252	513188	0.002457361	622347	513281	0.004421425	622392	513296	0.006140487
622252	513250	0.002094891	622347	513296	0.004160101	622392	513311	0.005581356
622392	513326	0.005092611	622424	513273	0.007381727	622445	513280	0.006888921
622392	513341	0.004663446	622424	513280	0.007035167	622445	513287	0.006582205
622407	513157	0.021052145	622424	513287	0.006710882	622445	513294	0.006293939
622407	513188	0.014926099	622424	513294	0.006407266	622447	513260	0.007851394

Table G-1

ISCLT2 Model Output - 1,2-Dichlorobenzene
Former General Instrument Corporation Site
Hicksville, New York

1,2-Dichlorobenzene			1,2-Dichlorobenzene			1,2-Dichlorobenzene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622407	513219	0.011246884	622431	513245	0.008960091	622447	513261	0.00779796
622407	513236	0.009782497	622431	513252	0.008512449	622447	513262	0.00774501
622407	513250	0.008774441	622431	513259	0.008095033	622447	513263	0.007692541
622407	513251	0.008708233	622431	513266	0.007705303	622447	513264	0.007640547
622407	513266	0.007795204	622431	513273	0.007341003	622447	513265	0.007589022
622407	513281	0.007012379	622431	513280	0.006999886	622447	513266	0.007537961
622407	513296	0.00633677	622431	513287	0.006680355	622447	513267	0.00748736
622407	513311	0.005750684	622431	513294	0.006380856	622448	513250	0.008396527
622407	513312	0.005714421	622437	513236	0.009489172	622448	513253	0.008223248
622407	513326	0.005239604	622437	513251	0.008503445	622448	513256	0.008054677
622407	513341	0.00479179	622437	513266	0.00765195	622448	513259	0.007890671
622407	513343	0.004736325	622437	513281	0.006912549	622448	513260	0.00783699
622407	513374	0.003984427	622437	513296	0.006268056	622448	513261	0.007783796
622410	513245	0.009111951	622437	513311	0.005704436	622448	513262	0.00773108
622410	513252	0.008640032	622437	513326	0.005209649	622448	513263	0.007678843
622410	513259	0.008202182	622437	513341	0.004773693	622448	513264	0.007627076
622410	513266	0.007795191	622438	513064	0.019791912	622448	513265	0.007575772
622410	513273	0.00741626	622438	513126	0.016243082	622448	513266	0.00752493
622410	513280	0.00706273	622438	513157	0.016738767	622448	513267	0.007474545
622410	513287	0.006732647	622438	513188	0.01387604	622448	513268	0.007424609
622410	513294	0.006424097	622438	513219	0.010778785	622448	513271	0.007277394
622417	513245	0.009084343	622438	513245	0.008865449	622449	513260	0.007822284
622417	513252	0.008618389	622438	513250	0.008551266	622449	513261	0.00776933
622417	513259	0.008185454	622438	513252	0.008429819	622449	513262	0.007716855
622417	513266	0.00778252	622438	513259	0.008022737	622449	513263	0.007664851
622417	513273	0.007406949	622438	513266	0.007641933	622449	513264	0.007613314
622417	513280	0.007056224	622438	513273	0.007285372	622449	513265	0.007562235
622417	513287	0.006728415	622438	513280	0.006950921	622449	513266	0.007511616
622417	513294	0.00642177	622438	513281	0.006904877	622449	513267	0.007461447
622422	513236	0.009694747	622438	513287	0.006637278	622450	513260	0.007807277
622422	513251	0.008653692	622438	513294	0.006342918	622450	513261	0.007754571
622422	513266	0.007762759	622438	513312	0.00566495	622450	513262	0.007702337
622422	513281	0.006994826	622438	513343	0.004716894	622450	513263	0.007650569
622422	513296	0.006329205	622438	513374	0.003980718	622450	513264	0.007599264
622422	513311	0.005749889	622438	513436	0.002936733	622450	513265	0.007548416
622422	513326	0.005243344	622438	513498	0.002253334	622450	513266	0.007498019
622422	513341	0.004798515	622445	513245	0.008750957	622450	513267	0.007448071
622424	513245	0.009033443	622445	513252	0.008328948	622451	513250	0.008343312
622424	513252	0.008575632	622445	513259	0.007933679	622451	513253	0.008172656
622424	513259	0.008149545	622445	513266	0.007563159	622451	513256	0.008006568
622424	513266	0.007752397	622445	513273	0.007215485	622451	513259	0.007844903
622451	513260	0.007791976	622454	513260	0.007744335	622458	513262	0.007576085
622451	513261	0.007739518	622454	513261	0.007692643	622458	513263	0.007526318
622451	513262	0.00768753	622454	513262	0.007641405	622458	513264	0.007476978
622451	513263	0.007636	622454	513263	0.007590617	622458	513265	0.007428055
622451	513264	0.007584931	622454	513264	0.007540271	622458	513266	0.00737951
622451	513265	0.007534315	622454	513265	0.007490366	622458	513267	0.007331382

Table G-1

ISCLT2 Model Output - 1,2-Dichlorobenzene
Former General Instrument Corporation Site
Hicksville, New York

1,2-Dichlorobenzene			1,2-Dichlorobenzene			1,2-Dichlorobenzene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622451	513266	0.007484147	622454	513266	0.007440899	622459	513245	0.0084692
622451	513267	0.007434422	622454	513267	0.007391839	622459	513252	0.008078236
622451	513268	0.007385126	622454	513268	0.007343187	622459	513259	0.007710184
622451	513271	0.007239749	622454	513271	0.007199766	622459	513260	0.007659389
622452	513236	0.00918112	622455	513259	0.007779772	622459	513261	0.007609027
622452	513245	0.008618272	622455	513260	0.007727889	622459	513262	0.007559098
622452	513251	0.008267824	622455	513261	0.007676458	622459	513263	0.007509593
622452	513252	0.008211238	622455	513262	0.007625478	622459	513264	0.007460512
622452	513259	0.007829052	622455	513263	0.007574939	622459	513265	0.00741182
622452	513260	0.007776381	622455	513264	0.007524842	622459	513266	0.007363525
622452	513261	0.007724178	622455	513265	0.007475181	622459	513267	0.007315642
622452	513262	0.007672435	622455	513266	0.007425949	622459	513273	0.007036797
622452	513263	0.00762115	622455	513267	0.007377108	622459	513280	0.006728947
622452	513264	0.007570321	622456	513259	0.007762782	622459	513287	0.006438796
622452	513265	0.007519937	622456	513260	0.007711167	622459	513294	0.006165213
622452	513266	0.007469999	622456	513261	0.00766	622460	513250	0.008166733
622452	513267	0.0074205	622456	513262	0.007609278	622460	513253	0.008004447
622452	513273	0.007132296	622456	513263	0.007558995	622460	513256	0.007846281
622452	513280	0.006814646	622456	513264	0.007509148	622460	513259	0.007692121
622452	513281	0.006770832	622456	513265	0.007459732	622460	513260	0.007641604
622452	513287	0.006515798	622456	513266	0.007410729	622460	513261	0.007591517
622452	513294	0.006234488	622456	513267	0.007362118	622460	513262	0.007541856
622452	513296	0.006157168	622457	513250	0.008228282	622460	513263	0.007492616
622452	513311	0.005617201	622457	513253	0.008063134	622460	513264	0.007443793
622452	513326	0.005140712	622457	513256	0.007902253	622460	513265	0.007395338
622452	513341	0.004719011	622457	513259	0.007745519	622460	513266	0.007347293
622453	513259	0.007812911	622457	513260	0.007694174	622460	513268	0.007252427
622453	513260	0.0077605	622457	513261	0.007643273	622460	513271	0.007113126
622453	513261	0.007708551	622457	513262	0.007592813	622461	513259	0.0076738
622453	513262	0.007657058	622457	513263	0.007542787	622461	513260	0.007623566
622453	513263	0.007606022	622457	513264	0.007493192	622461	513261	0.007573755
622453	513264	0.007555433	622457	513265	0.007444024	622461	513262	0.007524363
622453	513265	0.007505287	622457	513266	0.007395246	622461	513263	0.00747539
622453	513266	0.007455584	622457	513267	0.007346875	622461	513264	0.007426811
622453	513267	0.00740631	622457	513268	0.007298922	622461	513265	0.007378611
622454	513250	0.008287187	622457	513271	0.007157528	622461	513266	0.007330821
622454	513253	0.008119246	622458	513259	0.007727983	622462	513259	0.007655226
622454	513256	0.007955721	622458	513260	0.007676914	622462	513260	0.007605274
622454	513259	0.007796482	622458	513261	0.007626282	622462	513261	0.007555741
622462	513262	0.007506625	622469	513253	0.007800158	622480	513259	0.007070376
622462	513263	0.007457919	622469	513256	0.007664566	622480	513266	0.006845038
622462	513264	0.007409584	622469	513259	0.00751847	622480	513273	0.006623533
622462	513265	0.007361645	622469	513262	0.007375784	622480	513280	0.006406812
622462	513266	0.007314111	622469	513265	0.007236467	622480	513287	0.006152489
622463	513250	0.00810268	622469	513268	0.007100508	622480	513294	0.00590566
622463	513253	0.00794332	622469	513271	0.006967823	622481	513250	0.007314225
622463	513256	0.007787928	622469	513281	0.006548088	622481	513253	0.007218018

Table G-1

ISCLT2 Model Output - 1,2-Dichlorobenzene
Former General Instrument Corporation Site
Hicksville, New York

1,2-Dichlorobenzene			1,2-Dichlorobenzene			1,2-Dichlorobenzene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622463	513259	0.007636403	622469	513312	0.00544162	622481	513256	0.007121933
622463	513260	0.007586737	622469	513343	0.004574138	622481	513259	0.007026029
622463	513261	0.007537483	622469	513374	0.00388788	622481	513262	0.006930549
622463	513262	0.007488642	622472	513250	0.00776387	622481	513265	0.006835598
622463	513263	0.007440198	622472	513253	0.007652131	622481	513268	0.006741277
622463	513264	0.007392117	622472	513256	0.007541114	622481	513271	0.006647666
622463	513265	0.007344441	622472	513259	0.007430935	622482	513236	0.007703103
622463	513266	0.007297166	622472	513262	0.007316384	622482	513251	0.00723379
622463	513268	0.007203794	622472	513265	0.007179596	622482	513266	0.006763267
622463	513271	0.007066647	622472	513268	0.007046049	622482	513281	0.006307178
622466	513245	0.008279783	622472	513271	0.006915663	622482	513296	0.005809999
622466	513250	0.008036258	622473	513245	0.00789742	622482	513311	0.005335317
622466	513252	0.007931574	622473	513252	0.007639727	622482	513326	0.004910762
622466	513253	0.007879876	622473	513259	0.007385324	622482	513341	0.004530577
622466	513256	0.007727315	622473	513266	0.007115642	622484	513250	0.007168144
622466	513259	0.007578481	622473	513273	0.006813182	622484	513253	0.007076797
622466	513262	0.007433255	622473	513280	0.006527035	622484	513256	0.00698535
622466	513265	0.00729145	622473	513287	0.006256275	622484	513259	0.006893991
622466	513266	0.007244959	622473	513294	0.006000039	622484	513262	0.006802896
622466	513268	0.007153122	622475	513250	0.007612132	622484	513265	0.006712177
622466	513271	0.007018181	622475	513253	0.007505731	622484	513268	0.006621936
622466	513273	0.006930057	622475	513256	0.007399851	622484	513271	0.006532253
622466	513280	0.006632752	622475	513259	0.007294549	622487	513245	0.007167642
622466	513287	0.006352006	622475	513262	0.007189915	622487	513252	0.006966297
622466	513294	0.006086814	622475	513265	0.007086151	622487	513259	0.006763489
622467	513236	0.008595984	622475	513268	0.00698334	622487	513266	0.006561243
622467	513251	0.007961396	622475	513271	0.006861798	622487	513273	0.006360971
622467	513266	0.007227113	622478	513250	0.007462235	622487	513280	0.006163784
622467	513281	0.006577322	622478	513253	0.007361011	622487	513287	0.005970509
622467	513296	0.006002199	622478	513256	0.007260118	622487	513294	0.005781775
622467	513311	0.005492431	622478	513259	0.007159563	622494	513245	0.006821231
622467	513326	0.005039755	622478	513262	0.00705957	622494	513252	0.006644752
622467	513341	0.004636948	622478	513265	0.006960271	622494	513259	0.006465157
622469	513157	0.010172484	622478	513268	0.006861758	622494	513266	0.006284449
622469	513188	0.010154651	622478	513271	0.006764111	622494	513273	0.006104145
622469	513219	0.009144747	622480	513245	0.007526516	622494	513280	0.005925412
622469	513250	0.0079174	622480	513252	0.007298091	622494	513287	0.005749176
622494	513294	0.005576162	622562	513126	0.006136001	622655	513343	0.002101706
622497	513236	0.006881623	622562	513157	0.00570516	622655	513374	0.002018984
622497	513251	0.006534268	622562	513188	0.005157561	622686	513064	0.002709111
622497	513266	0.006168087	622562	513219	0.004579674	622686	513126	0.002820484
622497	513281	0.005800481	622562	513250	0.004102443	622686	513157	0.002774621
622497	513296	0.005442069	622562	513281	0.003912068	622686	513188	0.002672731
622497	513311	0.005099223	622562	513312	0.003636366	622686	513219	0.002543856
622497	513326	0.004758158	622562	513343	0.00333236	622686	513250	0.002394409
622497	513341	0.004403356	622562	513374	0.003031423	622686	513281	0.002229523
622500	511500	0.000107664	622562	513436	0.002491973	622686	513312	0.002059412

Table G-1

ISCLT2 Model Output - 1,2-Dichlorobenzene
Former General Instrument Corporation Site
Hicksville, New York

1,2-Dichlorobenzene			1,2-Dichlorobenzene			1,2-Dichlorobenzene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622500	512000	0.00021311	622562	513498	0.002038592	622686	513343	0.001891493
622500	512500	0.000663383	622593	513157	0.004706915	622686	513374	0.001751037
622500	512750	0.001802421	622593	513188	0.00435735	622686	513436	0.001610475
622500	512875	0.003685633	622593	513219	0.003960043	622686	513498	0.001442715
622500	513000	0.008035782	622593	513250	0.003549116	622748	513064	0.001980215
622500	513064	0.010581604	622593	513281	0.003207834	622748	513126	0.002063615
622500	513125	0.009708537	622593	513312	0.003063101	622748	513188	0.002007155
622500	513126	0.009659357	622593	513343	0.002870542	622748	513250	0.001858203
622500	513157	0.008237346	622593	513374	0.002660515	622748	513312	0.001668104
622500	513188	0.00726109	622624	513064	0.003915383	622748	513374	0.001459466
622500	513219	0.007037562	622624	513126	0.004048983	622748	513436	0.001271244
622500	513250	0.006422995	622624	513157	0.003907895	622748	513498	0.001184953
622500	513281	0.005701847	622624	513188	0.003681083	622750	512750	0.001024297
622500	513312	0.005004853	622624	513219	0.003411453	622750	512875	0.001336541
622500	513343	0.00433175	622624	513250	0.003116406	622750	513000	0.001753345
622500	513374	0.003720281	622624	513281	0.002817742	622750	513125	0.002044189
622500	513375	0.003702572	622624	513312	0.002569138	622750	513250	0.00184356
622500	513436	0.002812193	622624	513343	0.002460173	622750	513375	0.001448021
622500	513498	0.002190972	622624	513374	0.00232212	622750	513500	0.001174219
622500	513500	0.002174395	622624	513436	0.002021149	622750	513625	0.000971366
622500	513625	0.001419737	622624	513498	0.001737401	622750	513750	0.00078989
622500	513750	0.00100082	622625	512875	0.002242149	622750	514000	0.000527878
622500	514000	0.000579341	622625	513000	0.003180459	622750	514250	0.000364002
622500	514250	0.000381983	622625	513125	0.004026202	622750	514500	0.000266505
622500	514500	0.000273393	622625	513250	0.003103192	622810	513064	0.001510605
622500	515000	0.0001631	622625	513375	0.002307123	622810	513126	0.001572488
622531	513157	0.006901696	622625	513500	0.001723909	622810	513188	0.00155366
622531	513188	0.00605929	622625	513625	0.001275131	622810	513250	0.001466869
622531	513219	0.005385545	622625	513750	0.000937555	622810	513312	0.001358951
622531	513250	0.005150374	622655	513157	0.003275844	622810	513374	0.001226924
622531	513281	0.004744481	622655	513188	0.003122538	622810	513436	0.001090077
622531	513312	0.004287448	622655	513219	0.002940931	622810	513498	0.000967454
622531	513343	0.003839837	622655	513250	0.002730585	622872	513064	0.00119156
622531	513374	0.003428134	622655	513281	0.002508148	622872	513126	0.001238076
622562	513064	0.00608019	622655	513312	0.002286494	622872	513188	0.00123529
622872	513250	0.001187841	623250	513250	0.000450906	624500	512000	6.23836E-05
622872	513312	0.001118588	623250	513375	0.000435621	624500	512500	7.6352E-05
622872	513374	0.001034816	623250	513500	0.000408524	624500	513000	9.04258E-05
622872	513436	0.000941437	623250	513625	0.00037438	624500	513500	9.59913E-05
622872	513498	0.000847402	623250	513750	0.000336193	624500	514000	9.03568E-05
622875	512875	0.000851415	623250	514000	0.000273489	624500	514500	7.96462E-05
622875	513000	0.001094413	623250	514250	0.000235805	624500	515000	6.70056E-05
622875	513125	0.001224339	623250	514500	0.000199074	625000	511000	3.57222E-05
622875	513250	0.001176313	623500	511500	9.30127E-05	625000	511500	4.11995E-05
622875	513375	0.001025045	623500	512000	0.00013167	625000	512000	4.57977E-05
622875	513500	0.000839314	623500	512500	0.000187447	625000	512500	5.59959E-05
622875	513625	0.000716902	623500	512750	0.000226084	625000	513000	6.3396E-05

Table G-1

ISCLT2 Model Output - 1,2-Dichlorobenzene
Former General Instrument Corporation Site
Hicksville, New York

1,2-Dichlorobenzene			1,2-Dichlorobenzene			1,2-Dichlorobenzene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622875	513750	0.000625736	623500	513000	0.000269428	625000	513500	6.71476E-05
623000	511000	7.30017E-05	623500	513250	0.000288899	625000	514000	6.54608E-05
623000	511500	0.000116336	623500	513500	0.000275716	625000	514500	6.0557E-05
623000	512000	0.00020237	623500	513750	0.000246156	625000	515000	5.38507E-05
623000	512500	0.000386934	623500	514000	0.000208883	625000	516000	4.2216E-05
623000	512750	0.000534742	623500	514250	0.000178264	625000	517000	3.47567E-05
623000	512875	0.00062412	623500	514500	0.000159835	625000	518000	2.82663E-05
623000	513000	0.000748167	623500	515000	0.000123585	626000	511000	2.45935E-05
623000	513125	0.000817132	623750	512750	0.000167279	626000	512000	3.04444E-05
623000	513250	0.000810573	623750	513000	0.000190321	626000	513000	3.71608E-05
623000	513375	0.000743635	623750	513250	0.000202546	626000	514000	3.92725E-05
623000	513500	0.000651951	623750	513500	0.000199258	626000	515000	3.59588E-05
623000	513625	0.000552732	623750	513750	0.000185162	626000	516000	3.03508E-05
623000	513750	0.000487798	623750	514000	0.00016584	626000	517000	2.55592E-05
623000	514000	0.000390581	623750	514250	0.000144462	626000	518000	2.2451E-05
623000	514250	0.000306146	623750	514500	0.000127116	627000	511000	1.77402E-05
623000	514500	0.000242822	624000	511000	5.45849E-05	627000	512000	2.17436E-05
623000	515000	0.000155455	624000	511500	6.88392E-05	627000	513000	2.50228E-05
623000	516000	8.0173E-05	624000	512000	8.9041E-05	627000	514000	2.653E-05
623000	517000	4.99773E-05	624000	512500	0.000110659	627000	515000	2.54744E-05
623000	518000	3.48014E-05	624000	512750	0.000129093	627000	516000	2.30999E-05
623125	512875	0.000476421	624000	513000	0.000142782	627000	517000	2.00754E-05
623125	513000	0.000545679	624000	513250	0.000150975	627000	518000	1.76006E-05
623125	513125	0.000586786	624000	513500	0.000150928	628000	511000	1.38642E-05
623125	513250	0.000591284	624000	513750	0.000143452	628000	512000	1.64498E-05
623125	513375	0.00055806	624000	514000	0.000133314	628000	513000	1.83197E-05
623125	513500	0.000511751	624000	514250	0.000120424	628000	514000	1.93816E-05
623125	513625	0.000453788	624000	514500	0.000107047	628000	515000	1.91386E-05
623125	513750	0.000394932	624000	515000	8.97404E-05	628000	516000	1.80172E-05
623250	512750	0.000321424	624000	516000	6.37227E-05	628000	517000	1.6374E-05
623250	512875	0.000375013	624000	517000	4.57354E-05	628000	518000	1.45569E-05
623250	513000	0.000417276	624000	518000	3.31876E-05	Maximum =		0.0211
623250	513125	0.000443866	624500	511500	5.29587E-05			

Table G-2

**ISCLT2 Model Output - 1,1-Dichloroethylene
Former General Instrument Corporation Site
Hicksville, New York**

1,1-Dichloroethylene			1,1-Dichloroethylene			1,1-Dichloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
616000	511000	2.55839E-06	620000	511500	1.06022E-05	621500	512500	5.52011E-05
616000	512000	2.71412E-06	620000	512000	1.15339E-05	621500	512750	6.19928E-05
616000	513000	2.74661E-06	620000	512500	1.27287E-05	621500	513000	6.76551E-05
616000	514000	2.37697E-06	620000	513000	1.31462E-05	621500	513250	5.55918E-05
616000	515000	1.91821E-06	620000	513500	1.0974E-05	621500	513500	3.87668E-05
616000	516000	1.55309E-06	620000	514000	8.01136E-06	621500	513750	3.26532E-05
616000	517000	1.43516E-06	620000	514500	6.9563E-06	621500	514000	2.63693E-05
616000	518000	1.29814E-06	620000	515000	6.02243E-06	621500	514250	2.29345E-05
617000	511000	3.22314E-06	620000	516000	4.67463E-06	621500	514500	1.94934E-05
617000	512000	3.50975E-06	620000	517000	3.73783E-06	621500	515000	1.41077E-05
617000	513000	3.58177E-06	620000	518000	2.98968E-06	621750	512750	0.000102327
617000	514000	3.00201E-06	620500	511500	1.39945E-05	621750	512875	0.000110739
617000	515000	2.28303E-06	620500	512000	1.62732E-05	621750	513000	0.00011689
617000	516000	1.94517E-06	620500	512500	1.82057E-05	621750	513125	0.000109229
617000	517000	1.73751E-06	620500	513000	1.93129E-05	621750	513250	8.75073E-05
617000	518000	1.52103E-06	620500	513500	1.51985E-05	621750	513375	6.80472E-05
618000	511000	4.31419E-06	620500	514000	1.08553E-05	621750	513500	6.12586E-05
618000	512000	4.77512E-06	620500	514500	9.20991E-06	621750	513625	5.31017E-05
618000	513000	4.94855E-06	620500	515000	7.51915E-06	621750	513750	4.60293E-05
618000	514000	3.94701E-06	621000	511000	1.20834E-05	621750	514000	3.75096E-05
618000	515000	2.81961E-06	621000	511500	1.7781E-05	621750	514250	2.975E-05
618000	516000	2.49717E-06	621000	512000	2.41951E-05	621750	514500	2.37846E-05
618000	517000	2.12378E-06	621000	512500	2.8456E-05	621875	512875	0.000152438
618000	518000	1.86853E-06	621000	512750	3.12322E-05	621875	513000	0.000166253
619000	511000	6.17555E-06	621000	513000	3.21323E-05	621875	513125	0.000153214
619000	511500	6.52527E-06	621000	513250	2.85356E-05	621875	513250	0.000114128
619000	512000	6.98368E-06	621000	513500	2.25773E-05	621875	513375	9.29419E-05
619000	512500	7.38539E-06	621000	513750	1.81716E-05	621875	513500	7.90316E-05
619000	513000	7.47127E-06	621000	514000	1.63817E-05	621875	513625	6.63935E-05
619000	513500	6.62151E-06	621000	514250	1.43443E-05	621875	513750	5.88371E-05
619000	514000	5.46729E-06	621000	514500	1.2489E-05	622000	511000	1.40615E-05
619000	514500	4.29323E-06	621000	515000	1.04447E-05	622000	511500	2.1695E-05
619000	515000	4.00616E-06	621000	516000	6.96356E-06	622000	512000	3.82937E-05
619000	516000	3.27453E-06	621000	517000	5.56302E-06	622000	512500	0.000106801
619000	517000	2.7573E-06	621000	518000	4.72913E-06	622000	512750	0.000196627
619000	518000	2.38435E-06	621250	512750	4.26281E-05	622000	512875	0.000230749
619500	511500	8.21712E-06	621250	513000	4.47312E-05	622000	513000	0.000256126
619500	512000	8.76164E-06	621250	513250	3.85754E-05	622000	513125	0.000231016
619500	512500	9.47791E-06	621250	513500	2.82855E-05	622000	513250	0.000155555
619500	513000	9.65913E-06	621250	513750	2.39954E-05	622000	513375	0.000131404
619500	513500	8.35736E-06	621250	514000	2.05843E-05	622000	513500	0.00010554
619500	514000	6.57945E-06	621250	514250	1.739E-05	622000	513500	0.00010554
619500	514500	5.39338E-06	621250	514500	1.56699E-05	622000	513625	8.96176E-05
619500	515000	4.88077E-06	621500	511500	1.94072E-05	622000	513750	7.42475E-05
622000	511000	9.32809E-06	621500	512000	3.45686E-05	622000	514000	5.13874E-05
622000	514250	4.43003E-05	622252	513250	0.000493992	622347	513296	0.000980985
622000	514500	3.7435E-05	622252	513312	0.000411702	622347	513311	0.000921098

Table G-2

**ISCLT2 Model Output - 1,1-Dichloroethylene
Former General Instrument Corporation Site
Hicksville, New York**

1,1-Dichloroethylene			1,1-Dichloroethylene			1,1-Dichloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622000	515000	2.65944E-05	622252	513374	0.000331209	622347	513326	0.000864012
622000	516000	1.52108E-05	622252	513436	0.000274516	622347	513341	0.000810272
622000	517000	9.99141E-06	622252	513498	0.000255791	622362	513236	0.001541969
622000	518000	7.18508E-06	622314	513064	0.001323734	622362	513251	0.001433179
622125	512875	0.000379371	622314	513126	0.001026546	622362	513266	0.001328552
622125	513000	0.000440975	622314	513157	0.000974915	622362	513281	0.00123014
622125	513125	0.000381757	622314	513188	0.000935195	622362	513296	0.001138897
622125	513250	0.00025958	622314	513219	0.000842732	622362	513311	0.001055114
622125	513375	0.000196596	622314	513250	0.000735267	622362	513326	0.000978581
622125	513500	0.000154551	622314	513281	0.000650249	622362	513341	0.000908887
622125	513625	0.00011799	622314	513312	0.000632575	622375	512875	0.000766807
622125	513750	9.38667E-05	622314	513343	0.000592279	622375	513000	0.002279656
622128	513064	0.00045323	622314	513374	0.000544614	622375	513125	0.002446902
622128	513126	0.000385354	622314	513436	0.000451652	622375	513250	0.001682281
622128	513188	0.000288321	622314	513498	0.000373883	622375	513375	0.000834587
622128	513250	0.000263043	622317	513236	0.00079941	622375	513500	0.000485314
622128	513312	0.000227657	622317	513251	0.000744876	622375	513625	0.000317054
622128	513374	0.000199493	622317	513266	0.000692323	622375	513750	0.000224261
622128	513436	0.000178314	622317	513281	0.000684077	622376	513064	0.000550749
622128	513498	0.000156574	622317	513296	0.000675194	622376	513126	0.002510009
622190	513064	0.000627931	622317	513311	0.000658894	622376	513157	0.003005155
622190	513126	0.000509558	622317	513326	0.000637972	622376	513188	0.002529938
622190	513188	0.000401559	622317	513341	0.000614375	622376	513250	0.001700847
622190	513250	0.000348444	622332	513236	0.000900167	622376	513281	0.001405055
622190	513312	0.000299302	622332	513251	0.000902778	622376	513312	0.001172296
622190	513374	0.000259855	622332	513266	0.000886755	622376	513343	0.00098893
622190	513436	0.000220313	622332	513281	0.000859339	622376	513374	0.000843398
622190	513498	0.000185967	622332	513296	0.00082544	622376	513436	0.000632253
622250	512750	0.000291528	622332	513311	0.000788257	622376	513498	0.000490843
622250	512875	0.00058123	622332	513326	0.00074987	622377	513236	0.001881746
622250	513000	0.000904343	622332	513341	0.00071162	622377	513251	0.00170846
622250	513125	0.000673968	622345	513157	0.001431938	622377	513266	0.001554373
622250	513250	0.000487367	622345	513188	0.001249808	622377	513281	0.001417436
622250	513375	0.000327631	622345	513219	0.001191597	622377	513296	0.001295778
622250	513500	0.00025136	622345	513250	0.001129684	622377	513311	0.001187704
622250	513625	0.000201543	622345	513281	0.001017834	622377	513326	0.001091566
622250	513750	0.000159067	622345	513312	0.000899549	622377	513341	0.001005893
622250	514000	0.000103949	622345	513343	0.000790441	622392	513236	0.002216677
622250	514250	7.30795E-05	622345	513374	0.000694857	622392	513251	0.001978202
622250	514500	5.44247E-05	622347	513236	0.001211082	622392	513266	0.00177468
622252	513064	0.000888973	622347	513251	0.00116191	622392	513281	0.00159956
622252	513126	0.000675912	622347	513266	0.001104012	622392	513296	0.001447975
622252	513188	0.000579465	622347	513281	0.001042607	622392	513311	0.001316128
622392	513326	0.001200878	622424	513273	0.001740669	622445	513280	0.001624462
622392	513341	0.001099677	622424	513280	0.001658948	622445	513287	0.001552136
622407	513157	0.004964261	622424	513287	0.001582478	622445	513294	0.00148416
622407	513188	0.003519691	622424	513294	0.001510884	622447	513260	0.00185142

Table G-2

**ISCLT2 Model Output - 1,1-Dichloroethylene
Former General Instrument Corporation Site
Hicksville, New York**

1,1-Dichloroethylene			1,1-Dichloroethylene			1,1-Dichloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622407	513219	0.002652104	622431	513245	0.00211286	622447	513261	0.00183882
622407	513236	0.00230679	622431	513252	0.002007303	622447	513262	0.001826334
622407	513250	0.002069081	622431	513259	0.001908873	622447	513263	0.001813962
622407	513251	0.002053471	622431	513266	0.001816971	622447	513264	0.001801701
622407	513266	0.00183817	622431	513273	0.001731066	622447	513265	0.001789551
622407	513281	0.001653574	622431	513280	0.001650628	622447	513266	0.001777511
622407	513296	0.00149426	622431	513287	0.00157528	622447	513267	0.001765579
622407	513311	0.001356056	622431	513294	0.001504656	622448	513250	0.001979967
622407	513312	0.001347505	622437	513236	0.002237621	622448	513253	0.001939106
622407	513326	0.00123554	622437	513251	0.002005179	622448	513256	0.001899357
622407	513341	0.001129942	622437	513266	0.00180439	622448	513259	0.001860682
622407	513343	0.001116863	622437	513281	0.001630033	622448	513260	0.001848024
622407	513374	0.000939559	622437	513296	0.001478057	622448	513261	0.00183548
622410	513245	0.00214867	622437	513311	0.001345151	622448	513262	0.00182305
622410	513252	0.002037388	622437	513326	0.001228476	622448	513263	0.001810731
622410	513259	0.001934139	622437	513341	0.001125674	622448	513264	0.001798524
622410	513266	0.001838167	622438	513064	0.004667089	622448	513265	0.001786427
622410	513273	0.001748813	622438	513126	0.003830246	622448	513266	0.001774438
622410	513280	0.001665448	622438	513157	0.003947133	622448	513267	0.001762556
622410	513287	0.001587611	622438	513188	0.00327208	622448	513268	0.001750781
622410	513294	0.001514853	622438	513219	0.002541722	622448	513271	0.001716067
622417	513245	0.00214216	622438	513245	0.002090543	622449	513260	0.001844556
622417	513252	0.002032284	622438	513250	0.002016456	622449	513261	0.001832069
622417	513259	0.001930194	622438	513252	0.001987817	622449	513262	0.001819695
622417	513266	0.00183518	622438	513259	0.001891825	622449	513263	0.001807432
622417	513273	0.001746617	622438	513266	0.001802028	622449	513264	0.001795279
622417	513280	0.001663913	622438	513273	0.001717948	622449	513265	0.001783235
622417	513287	0.001586613	622438	513280	0.001639082	622449	513266	0.001771298
622417	513294	0.001514304	622438	513281	0.001628224	622449	513267	0.001759468
622422	513236	0.002286097	622438	513287	0.001565122	622450	513260	0.001841018
622422	513251	0.002040609	622438	513294	0.00149571	622450	513261	0.001828589
622422	513266	0.00183052	622438	513312	0.00133584	622450	513262	0.001816271
622422	513281	0.001649435	622438	513343	0.001112281	622450	513263	0.001804064
622422	513296	0.001492476	622438	513374	0.000938685	622450	513264	0.001791966
622422	513311	0.001355869	622438	513436	0.000692505	622450	513265	0.001779976
622422	513326	0.001236422	622438	513498	0.000531354	622450	513266	0.001768092
622422	513341	0.001131528	622445	513245	0.002063544	622450	513267	0.001756314
622424	513245	0.002130157	622445	513252	0.001964031	622451	513250	0.001967418
622424	513252	0.002022201	622445	513259	0.001870824	622451	513253	0.001927177
622424	513259	0.001921727	622445	513266	0.001783452	622451	513256	0.001888011
622424	513266	0.001828076	622445	513273	0.001701468	622451	513259	0.00184989
622451	513260	0.001837409	622454	513260	0.001826175	622458	513262	0.0017865
622451	513261	0.001825039	622454	513261	0.001813986	622458	513263	0.001774765
622451	513262	0.00181278	622454	513262	0.001801903	622458	513264	0.00176313
622451	513263	0.001800629	622454	513263	0.001789927	622458	513265	0.001751593
622451	513264	0.001788587	622454	513264	0.001778055	622458	513266	0.001740146
622451	513265	0.00177665	622454	513265	0.001766287	622458	513267	0.001728798

Table G-2

**ISCLT2 Model Output - 1,1-Dichloroethylene
Former General Instrument Corporation Site
Hicksville, New York**

1,1-Dichloroethylene			1,1-Dichloroethylene			1,1-Dichloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622451	513266	0.001764821	622454	513266	0.001754622	622459	513245	0.001997104
622451	513267	0.001753095	622454	513267	0.001743054	622459	513252	0.001904911
622451	513268	0.001741471	622454	513268	0.001731581	622459	513259	0.001818122
622451	513271	0.001707189	622454	513271	0.001697761	622459	513260	0.001806144
622452	513236	0.00216498	622455	513259	0.001834531	622459	513261	0.001794269
622452	513245	0.002032256	622455	513260	0.001822297	622459	513262	0.001782495
622452	513251	0.001949618	622455	513261	0.001810169	622459	513263	0.001770821
622452	513252	0.001936274	622455	513262	0.001798147	622459	513264	0.001759247
622452	513259	0.001846152	622455	513263	0.00178623	622459	513265	0.001747766
622452	513260	0.001833732	622455	513264	0.001774417	622459	513266	0.001736377
622452	513261	0.001821422	622455	513265	0.001762706	622459	513267	0.001725086
622452	513262	0.00180922	622455	513266	0.001751098	622459	513273	0.001659333
622452	513263	0.001797128	622455	513267	0.00173958	622459	513280	0.001586739
622452	513264	0.001785141	622456	513259	0.001830525	622459	513287	0.001518319
622452	513265	0.00177326	622456	513260	0.001818354	622459	513294	0.001453806
622452	513266	0.001761485	622456	513261	0.001806288	622460	513250	0.00192578
622452	513267	0.001749812	622456	513262	0.001794328	622460	513253	0.001887512
622452	513273	0.001681852	622456	513263	0.001782471	622460	513256	0.001850215
622452	513280	0.001606947	622456	513264	0.001770716	622460	513259	0.001813862
622452	513281	0.001596615	622456	513265	0.001759064	622460	513260	0.00180195
622452	513287	0.001536476	622456	513266	0.001747508	622460	513261	0.001790139
622452	513294	0.001470142	622456	513267	0.001736046	622460	513262	0.001778429
622452	513296	0.001451909	622457	513250	0.001940294	622460	513263	0.001766818
622452	513311	0.00132458	622457	513253	0.00190135	622460	513264	0.001755305
622452	513326	0.00121222	622457	513256	0.001863413	622460	513265	0.001743879
622452	513341	0.00111278	622457	513259	0.001826454	622460	513266	0.00173255
622453	513259	0.001842346	622457	513260	0.001814347	622460	513268	0.001710179
622453	513260	0.001829987	622457	513261	0.001802344	622460	513271	0.001677331
622453	513261	0.001817737	622457	513262	0.001790445	622461	513259	0.001809542
622453	513262	0.001805595	622457	513263	0.001778648	622461	513260	0.001797696
622453	513263	0.00179356	622457	513264	0.001766954	622461	513261	0.001785951
622453	513264	0.00178163	622457	513265	0.00175536	622461	513262	0.001774304
622453	513265	0.001769806	622457	513266	0.001743857	622461	513263	0.001762755
622453	513266	0.001758085	622457	513267	0.001732451	622461	513264	0.001751301
622453	513267	0.001746466	622457	513268	0.001721143	622461	513265	0.001739935
622454	513250	0.001954184	622457	513271	0.001687802	622461	513266	0.001728665
622454	513253	0.001914582	622458	513259	0.001822319	622462	513259	0.001805163
622454	513256	0.001876022	622458	513260	0.001810277	622462	513260	0.001793384
622454	513259	0.001838472	622458	513261	0.001798337	622462	513261	0.001781703
622462	513262	0.001770121	622469	513253	0.001839339	622480	513259	0.00166725
622462	513263	0.001758636	622469	513256	0.001807365	622480	513266	0.001614114
622462	513264	0.001747238	622469	513259	0.001772915	622480	513273	0.001561881
622462	513265	0.001735934	622469	513262	0.001739268	622480	513280	0.001510777
622462	513266	0.001724725	622469	513265	0.001706415	622480	513287	0.001450805
622463	513250	0.001910676	622469	513268	0.001674356	622480	513294	0.001392601
622463	513253	0.001873097	622469	513271	0.001643067	622481	513250	0.001724752
622463	513256	0.001836455	622469	513281	0.00154409	622481	513253	0.001702066

Table G-2

**ISCLT2 Model Output - 1,1-Dichloroethylene
Former General Instrument Corporation Site
Hicksville, New York**

1,1-Dichloroethylene			1,1-Dichloroethylene			1,1-Dichloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622463	513259	0.001800724	622469	513312	0.001283177	622481	513256	0.001679408
622463	513260	0.001789012	622469	513343	0.001078618	622481	513259	0.001656793
622463	513261	0.001777398	622469	513374	0.000916793	622481	513262	0.001634278
622463	513262	0.001765881	622472	513250	0.001830782	622481	513265	0.001611888
622463	513263	0.001754457	622472	513253	0.001804433	622481	513268	0.001589646
622463	513264	0.00174312	622472	513256	0.001778254	622481	513271	0.001567572
622463	513265	0.001731877	622472	513259	0.001752273	622482	513236	0.001816452
622463	513266	0.001720729	622472	513262	0.001725261	622482	513251	0.001705785
622463	513268	0.001698711	622472	513265	0.001693005	622482	513266	0.001594831
622463	513271	0.00166637	622472	513268	0.001661514	622482	513281	0.001487282
622466	513245	0.001952438	622472	513271	0.001630768	622482	513296	0.001370043
622466	513250	0.001895013	622473	513245	0.001862274	622482	513311	0.00125811
622466	513252	0.001870327	622473	513252	0.001801508	622482	513326	0.001157996
622466	513253	0.001858137	622473	513259	0.001741517	622482	513341	0.001068346
622466	513256	0.001822162	622473	513266	0.001677924	622484	513250	0.001690305
622466	513259	0.001787066	622473	513273	0.001606602	622484	513253	0.001668764
622466	513262	0.00175282	622473	513280	0.001539126	622484	513256	0.001647201
622466	513265	0.001719381	622473	513287	0.001475279	622484	513259	0.001625657
622466	513266	0.001708418	622473	513294	0.001414856	622484	513262	0.001604176
622466	513268	0.001686762	622475	513250	0.001795001	622484	513265	0.001582784
622466	513271	0.001654942	622475	513253	0.00176991	622484	513268	0.001561504
622466	513273	0.001634162	622475	513256	0.001744943	622484	513271	0.001540357
622466	513280	0.001564055	622475	513259	0.001720112	622487	513245	0.001690186
622466	513287	0.001497853	622475	513262	0.001695439	622487	513252	0.001642707
622466	513294	0.001435319	622475	513265	0.00167097	622487	513259	0.001594884
622467	513236	0.002027001	622475	513268	0.001646726	622487	513266	0.001547193
622467	513251	0.00187736	622475	513271	0.001618066	622487	513273	0.001499967
622467	513266	0.00170421	622478	513250	0.001759654	622487	513280	0.001453469
622467	513281	0.001550984	622478	513253	0.001735784	622487	513287	0.001407893
622467	513296	0.001415366	622478	513256	0.001711993	622487	513294	0.001363388
622467	513311	0.001295158	622478	513259	0.001688281	622494	513245	0.0016085
622467	513326	0.001188414	622478	513262	0.001664702	622494	513252	0.001566885
622467	513341	0.001093429	622478	513265	0.001641287	622494	513259	0.001524535
622469	513157	0.002398752	622478	513268	0.001618057	622494	513266	0.001481923
622469	513188	0.002394546	622478	513271	0.001595031	622494	513273	0.001439405
622469	513219	0.002156403	622480	513245	0.001774812	622494	513280	0.001397258
622469	513250	0.001866985	622480	513252	0.001720947	622494	513287	0.001355701
622494	513294	0.001314903	622562	513126	0.001446917	622655	513343	0.000495599
622497	513236	0.001622741	622562	513157	0.001345322	622655	513374	0.000476092
622497	513251	0.001540832	622562	513188	0.001216193	622686	513064	0.00063883
622497	513266	0.001454483	622562	513219	0.001079924	622686	513126	0.000665092
622497	513281	0.001367799	622562	513250	0.000967388	622686	513157	0.000654277
622497	513296	0.001283283	622562	513281	0.000922497	622686	513188	0.000630251
622497	513311	0.001202437	622562	513312	0.000857484	622686	513219	0.000599861
622497	513326	0.001122011	622562	513343	0.000785797	622686	513250	0.000564621
622497	513341	0.001038346	622562	513374	0.000714833	622686	513281	0.000525739
622500	511500	2.5388E-05	622562	513436	0.000587627	622686	513312	0.000485625

Table G-2

**ISCLT2 Model Output - 1,1-Dichloroethylene
Former General Instrument Corporation Site
Hicksville, New York**

1,1-Dichloroethylene			1,1-Dichloroethylene			1,1-Dichloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622500	512000	5.02531E-05	622562	513498	0.000480716	622686	513343	0.000446029
622500	512500	0.000156431	622593	513157	0.001109927	622686	513374	0.000412908
622500	512750	0.000425025	622593	513188	0.001027497	622686	513436	0.000379763
622500	512875	0.000869101	622593	513219	0.000933809	622686	513498	0.000340204
622500	513000	0.0018949	622593	513250	0.000836909	622748	513064	0.00046695
622500	513064	0.002495225	622593	513281	0.000756433	622748	513126	0.000486617
622500	513125	0.002289349	622593	513312	0.000722303	622748	513188	0.000473303
622500	513126	0.002277753	622593	513343	0.000676896	622748	513250	0.000438179
622500	513157	0.001942431	622593	513374	0.00062737	622748	513312	0.000393352
622500	513188	0.001712222	622624	513064	0.000923278	622748	513374	0.000344154
622500	513219	0.001659512	622624	513126	0.000954782	622748	513436	0.000299769
622500	513250	0.001514593	622624	513157	0.000921512	622748	513498	0.000279421
622500	513281	0.001344541	622624	513188	0.000868028	622750	512750	0.000241537
622500	513312	0.001180184	622624	513219	0.000804448	622750	512875	0.000315167
622500	513343	0.001021461	622624	513250	0.000734873	622750	513000	0.000413453
622500	513374	0.000877272	622624	513281	0.000664446	622750	513125	0.000482036
622500	513375	0.000873096	622624	513312	0.000605823	622750	513250	0.000434726
622500	513436	0.000663137	622624	513343	0.000580128	622750	513375	0.000341455
622500	513498	0.000516648	622624	513374	0.000547574	622750	513500	0.00027689
622500	513500	0.00051274	622624	513436	0.000476603	622750	513625	0.000229056
622500	513625	0.000334785	622624	513498	0.000409693	622750	513750	0.000186262
622500	513750	0.000236001	622625	512875	0.000528716	622750	514000	0.000124478
622500	514000	0.000136613	622625	513000	0.000749977	622750	514250	8.58346E-05
622500	514250	9.00747E-05	622625	513125	0.00094941	622750	514500	6.28439E-05
622500	514500	6.44681E-05	622625	513250	0.000731757	622810	513064	0.000356213
622500	515000	3.84602E-05	622625	513375	0.000544038	622810	513126	0.000370805
622531	513157	0.001627474	622625	513500	0.000406511	622810	513188	0.000366365
622531	513188	0.001428828	622625	513625	0.000300686	622810	513250	0.000345899
622531	513219	0.001269954	622625	513750	0.000221083	622810	513312	0.000320451
622531	513250	0.001214499	622655	513157	0.00077247	622810	513374	0.000289318
622531	513281	0.001118786	622655	513188	0.000736319	622810	513436	0.000257049
622531	513312	0.001011014	622655	513219	0.000693495	622810	513498	0.000228133
622531	513343	0.000905464	622655	513250	0.000643893	622872	513064	0.000280979
622531	513374	0.000808381	622655	513281	0.000591441	622872	513126	0.000291948
622562	513064	0.001433757	622655	513312	0.000539173	622872	513188	0.000291291
622872	513250	0.000280102	623250	513125	0.000104667	624500	511500	1.24881E-05
622872	513312	0.000263772	623250	513250	0.000106327	624500	512000	1.47106E-05
622872	513374	0.000244018	623250	513375	0.000102723	624500	512500	1.80044E-05
622872	513436	0.000221998	623250	513500	9.63332E-05	624500	513000	2.13231E-05
622872	513498	0.000199824	623250	513625	8.82817E-05	624500	513500	2.26355E-05
622875	512875	0.00020077	623250	513750	7.9277E-05	624500	514000	2.13068E-05
622875	513000	0.000258071	623250	514000	6.44908E-05	624500	514500	1.87812E-05
622875	513125	0.000288709	623250	514250	5.56047E-05	624500	515000	1.58004E-05
622875	513250	0.000277384	623250	514500	4.69432E-05	625000	511000	8.42358E-06
622875	513375	0.000241714	623500	511500	2.19331E-05	625000	511500	9.71517E-06
622875	513500	0.000197917	623500	512000	3.10489E-05	625000	512000	1.07995E-05
622875	513625	0.000169051	623500	512500	4.42014E-05	625000	512500	1.32043E-05

Table G-2

**ISCLT2 Model Output - 1,1-Dichloroethylene
Former General Instrument Corporation Site
Hicksville, New York**

1,1-Dichloroethylene			1,1-Dichloroethylene			1,1-Dichloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622875	513750	0.000147553	623500	512750	5.33125E-05	625000	513000	1.49493E-05
623000	511000	1.72144E-05	623500	513000	6.35332E-05	625000	513500	1.58339E-05
623000	511500	2.7433E-05	623500	513250	6.81246E-05	625000	514000	1.54362E-05
623000	512000	4.77205E-05	623500	513500	6.5016E-05	625000	514500	1.42798E-05
623000	512500	9.1242E-05	623500	513750	5.80456E-05	625000	515000	1.26984E-05
623000	512750	0.000126096	623500	514000	4.92562E-05	625000	516000	9.95486E-06
623000	512875	0.000147172	623500	514250	4.2036E-05	625000	517000	8.19592E-06
623000	513000	0.000176424	623500	514500	3.76904E-05	625000	518000	6.66542E-06
623000	513125	0.000192686	623500	515000	2.91424E-05	626000	511000	5.79934E-06
623000	513250	0.000191139	623750	512750	3.94457E-05	626000	512000	7.17903E-06
623000	513375	0.000175355	623750	513000	4.48792E-05	626000	513000	8.7628E-06
623000	513500	0.000153735	623750	513250	4.7762E-05	626000	514000	9.26077E-06
623000	513625	0.000130339	623750	513500	4.69867E-05	626000	515000	8.47938E-06
623000	513750	0.000115027	623750	513750	4.36627E-05	626000	516000	7.15697E-06
623000	514000	9.21021E-05	623750	514000	3.91064E-05	626000	517000	6.02705E-06
623000	514250	7.21916E-05	623750	514250	3.40654E-05	626000	518000	5.29413E-06
623000	514500	5.72593E-05	623750	514500	2.9975E-05	627000	511000	4.18327E-06
623000	514500	5.72593E-05	624000	511000	1.28716E-05	627000	512000	5.12732E-06
623000	515000	3.66575E-05	624000	511500	1.62328E-05	627000	513000	5.90056E-06
623000	516000	1.89054E-05	624000	512000	2.09966E-05	627000	514000	6.25599E-06
623000	517000	1.17851E-05	624000	512500	2.60942E-05	627000	515000	6.00706E-06
623000	518000	8.20645E-06	624000	512750	3.04411E-05	627000	516000	5.44714E-06
623125	512875	0.000112344	624000	513000	3.36691E-05	627000	517000	4.73395E-06
623125	513000	0.000128675	624000	513250	3.56011E-05	627000	518000	4.15037E-06
623125	513125	0.000138369	624000	513500	3.55901E-05	628000	511000	3.26928E-06
623125	513250	0.000139429	624000	513750	3.38272E-05	628000	512000	3.87898E-06
623125	513375	0.000131595	624000	514000	3.14365E-05	628000	513000	4.31992E-06
623125	513500	0.000120675	624000	514250	2.83968E-05	628000	514000	4.57032E-06
623125	513625	0.000107007	624000	514500	2.52426E-05	628000	515000	4.51304E-06
623125	513750	9.3128E-05	624000	515000	2.11615E-05	628000	516000	4.2486E-06
623250	512750	7.57944E-05	624000	516000	1.50263E-05	628000	517000	3.86112E-06
623250	512875	8.84309E-05	624000	517000	1.07848E-05	628000	518000	3.43263E-06
623250	513000	9.83969E-05	624000	518000	7.82591E-06	Maximum =		4.96E-03

Table G-3

ISCLT2 Model Output - Cis-1,2-Dichloroethylene
Former General Instrument Corporation Site
Hicksville, New York

Cis-1,2-Dichloroethylene			Cis-1,2-Dichloroethylene			Cis-1,2-Dichloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
616000	511000	0.000124287	620000	511500	0.000515057	621500	512500	0.002681683
616000	512000	0.000131852	620000	512000	0.00056032	621500	512750	0.003011627
616000	513000	0.000133431	620000	512500	0.000618364	621500	513000	0.003286701
616000	514000	0.000115474	620000	513000	0.000638644	621500	513250	0.002700661
616000	515000	9.31872E-05	620000	513500	0.000533118	621500	513500	0.001883299
616000	516000	7.54496E-05	620000	514000	0.000389194	621500	513750	0.001586299
616000	517000	6.97206E-05	620000	514500	0.000337939	621500	514000	0.001281027
616000	518000	6.30641E-05	620000	515000	0.000292571	621500	514250	0.001114164
617000	511000	0.000156581	620000	516000	0.000227095	621500	514500	0.000946995
617000	512000	0.000170505	620000	517000	0.000181584	621500	515000	0.000685354
617000	513000	0.000174003	620000	518000	0.000145239	621750	512750	0.004971046
617000	514000	0.000145838	620500	511500	0.000679859	621750	512875	0.005379744
617000	515000	0.00011091	620500	512000	0.000790556	621750	513000	0.005678553
617000	516000	9.44967E-05	620500	512500	0.000884436	621750	513125	0.005306364
617000	517000	8.44086E-05	620500	513000	0.000938226	621750	513250	0.004251127
617000	518000	7.38922E-05	620500	513500	0.000738345	621750	513375	0.003305752
618000	511000	0.000209584	620500	514000	0.000527353	621750	513500	0.002975957
618000	512000	0.000231977	620500	514500	0.00044742	621750	513625	0.002579695
618000	513000	0.000240402	620500	515000	0.000365282	621750	513750	0.002236115
618000	514000	0.000191747	621000	511000	0.000587014	621750	514000	0.001822223
618000	515000	0.000136977	621000	511500	0.000863805	621750	514250	0.001445261
618000	516000	0.000121313	621000	512000	0.001175404	621750	514500	0.00115546
618000	517000	0.000103174	621000	512500	0.001382398	621875	512875	0.007405472
618000	518000	9.07739E-05	621000	512750	0.001517266	621875	513000	0.0080766
619000	511000	0.00030001	621000	513000	0.001560997	621875	513125	0.007443159
619000	511500	0.000316999	621000	513250	0.001386267	621875	513250	0.005544352
619000	512000	0.000339269	621000	513500	0.001096811	621875	513375	0.004515141
619000	512500	0.000358784	621000	513750	0.000882781	621875	513500	0.003839377
619000	513000	0.000362956	621000	514000	0.000795827	621875	513625	0.003225413
619000	513500	0.000321675	621000	514250	0.00069685	621875	513750	0.002858321
619000	514000	0.000265602	621000	514500	0.000606718	622000	511000	0.000683112
619000	514500	0.000208566	621000	515000	0.000507407	622000	511500	0.00105395
619000	515000	0.00019462	621000	516000	0.000338291	622000	512000	0.001860316
619000	516000	0.000159078	621000	517000	0.000270253	622000	512500	0.005188431
619000	517000	0.000133951	621000	518000	0.000229742	622000	512750	0.009552163
619000	518000	0.000115832	621250	512750	0.002070884	622000	512875	0.011209836
619500	511500	0.00039919	621250	513000	0.00217305	622000	513000	0.01244266
619500	512000	0.000425642	621250	513250	0.001874	622000	513125	0.011222811
619500	512500	0.000460439	621250	513500	0.001374119	622000	513250	0.007556887
619500	513000	0.000469243	621250	513750	0.001165703	622000	513375	0.006383626
619500	513500	0.000406003	621250	514000	0.000999989	622000	513500	0.005127157
619500	514000	0.000319631	621250	514250	0.000844811	622000	513625	0.004353643
619500	514500	0.000262012	621250	514500	0.000761248	622000	513750	0.003606959
620000	515000	0.000237109	621500	511500	0.000942804	622000	514000	0.002496412
620000	511000	0.000453161	621500	512000	0.001679354	622000	514250	0.002152119
622000	514500	0.0018186	622252	513312	0.020000566	622347	513311	0.04474717
622000	515000	0.001291961	622252	513374	0.016090194	622347	513326	0.041973937

Table G-3

ISCLT2 Model Output - Cis-1,2-Dichloroethylene
Former General Instrument Corporation Site
Hicksville, New York

Cis-1,2-Dichloroethylene			Cis-1,2-Dichloroethylene			Cis-1,2-Dichloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622000	516000	0.000738944	622252	513436	0.013336071	622347	513341	0.039363232
622000	517000	0.000485385	622252	513498	0.012426368	622362	513236	0.074909233
622000	518000	0.000349053	622314	513064	0.064307302	622362	513251	0.069624178
622125	512875	0.018429931	622314	513126	0.049869873	622362	513266	0.064541355
622125	513000	0.021422673	622314	513157	0.047361627	622362	513281	0.059760485
622125	513125	0.018545851	622314	513188	0.045431994	622362	513296	0.055327915
622125	513250	0.012610484	622314	513219	0.040940102	622362	513311	0.051257685
622125	513375	0.009550684	622314	513250	0.035719447	622362	513326	0.0475397
622125	513500	0.007508122	622314	513281	0.03158927	622362	513341	0.04415394
622125	513625	0.005731981	622314	513312	0.030730659	622375	512875	0.037251681
622125	513750	0.004560069	622314	513343	0.028773047	622375	513000	0.110746272
622128	513064	0.022018027	622314	513374	0.026457498	622375	513125	0.118871123
622128	513126	0.018720569	622314	513436	0.021941375	622375	513250	0.081725635
622128	513188	0.014006726	622314	513498	0.01816331	622375	513375	0.040544439
622128	513250	0.012778685	622317	513236	0.038835526	622375	513500	0.023576669
622128	513312	0.011059615	622317	513251	0.036186256	622375	513625	0.015402567
622128	513374	0.009691441	622317	513266	0.033633236	622375	513750	0.010894679
622128	513436	0.008662515	622317	513281	0.033232614	622376	513064	0.026755519
622128	513498	0.007606409	622317	513296	0.032801107	622376	513126	0.121936858
622190	513064	0.030505056	622317	513311	0.032009214	622376	513157	0.145991147
622190	513126	0.024754454	622317	513326	0.030992856	622376	513188	0.122904986
622190	513188	0.019507846	622317	513341	0.029846488	622376	513219	0.100751787
622190	513250	0.016927498	622332	513236	0.043730307	622376	513250	0.082627595
622190	513312	0.01454017	622332	513251	0.043857195	622376	513281	0.06825792
622190	513374	0.012623821	622332	513266	0.043078791	622376	513312	0.056950428
622190	513436	0.010702848	622332	513281	0.041746911	622376	513343	0.048042465
622190	513498	0.009034331	622332	513296	0.040100094	622376	513374	0.040972494
622250	512750	0.014162516	622332	513311	0.038293734	622376	513436	0.030714978
622250	512875	0.028236307	622332	513326	0.036428854	622376	513498	0.023845272
622250	513000	0.043933209	622332	513341	0.034570664	622377	513236	0.091415651
622250	513125	0.03274155	622345	513157	0.06956391	622377	513251	0.082997419
622250	513250	0.023676394	622345	513188	0.06071597	622377	513266	0.075511821
622250	513375	0.01591639	622345	513219	0.057888076	622377	513281	0.068859376
622250	513500	0.012211144	622345	513250	0.054880306	622377	513296	0.062949181
622250	513625	0.009791001	622345	513281	0.049446646	622377	513311	0.057698954
622250	513750	0.007727536	622345	513312	0.043700319	622377	513326	0.053028535
622250	514000	0.005049891	622345	513343	0.038399827	622377	513341	0.048866533
622250	514250	0.003550223	622345	513374	0.033756334	622392	513236	0.107686713
622250	514500	0.002643967	622347	513236	0.05883465	622392	513251	0.09610153
622252	513064	0.043186542	622347	513251	0.056445867	622392	513266	0.086214401
622252	513126	0.03283599	622347	513266	0.053633183	622392	513281	0.077707045
622252	513188	0.028150557	622347	513281	0.050650097	622392	513296	0.070342988
622252	513250	0.023998234	622347	513296	0.047656465	622392	513311	0.063937791
622392	513326	0.058338933	622424	513273	0.084562153	622445	513280	0.078916743
622407	513341	0.053422604	622424	513280	0.080592088	622445	513287	0.075403132
622407	513157	0.241164982	622424	513287	0.076877199	622445	513294	0.072100878
622407	513188	0.170987427	622424	513294	0.073399104	622447	513260	0.089942455

Table G-3

ISCLT2 Model Output - Cis-1,2-Dichloroethylene
Former General Instrument Corporation Site
Hicksville, New York

Cis-1,2-Dichloroethylene			Cis-1,2-Dichloroethylene			Cis-1,2-Dichloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622407	513219	0.12883985	622431	513245	0.102643229	622447	513261	0.089330331
622407	513236	0.112064406	622431	513252	0.097515255	622447	513262	0.088723756
622407	513250	0.100516513	622431	513259	0.092733495	622447	513263	0.088122703
622407	513251	0.099758089	622431	513266	0.088268898	622447	513264	0.087527074
622407	513266	0.089298785	622431	513273	0.084095627	622447	513265	0.086936809
622407	513281	0.080331042	622431	513280	0.080187924	622447	513266	0.086351909
622407	513296	0.072591521	622431	513287	0.076527506	622447	513267	0.085772246
622407	513311	0.065877549	622431	513294	0.073096559	622448	513250	0.096187264
622407	513312	0.065462135	622437	513236	0.108704194	622448	513253	0.094202258
622407	513326	0.060022831	622437	513251	0.097412072	622448	513256	0.092271201
622407	513341	0.05489286	622437	513266	0.087657727	622448	513259	0.090392396
622407	513343	0.05425746	622437	513281	0.07918743	622448	513260	0.089777447
622407	513374	0.045644008	622437	513296	0.071804367	622448	513261	0.089168072
622410	513245	0.104382917	622437	513311	0.065347754	622448	513262	0.088564202
622410	513252	0.098976806	622437	513326	0.05967968	622448	513263	0.087965772
622410	513259	0.093960956	622437	513341	0.054685522	622448	513264	0.08737275
622410	513266	0.089298613	622438	513064	0.22672835	622448	513265	0.086785041
622410	513273	0.084957734	622438	513126	0.186074302	622448	513266	0.086202614
622410	513280	0.080907829	622438	513157	0.191752702	622448	513267	0.085625432
622410	513287	0.077126525	622438	513188	0.15895842	622448	513268	0.085053384
622410	513294	0.07359191	622438	513219	0.123477496	622448	513271	0.083366931
622417	513245	0.104066648	622438	513245	0.101559058	622449	513260	0.089608967
622417	513252	0.098728836	622438	513250	0.097959928	622449	513261	0.089002393
622417	513259	0.093769305	622438	513252	0.096568652	622449	513262	0.088401243
622417	513266	0.089153491	622438	513259	0.091905311	622449	513263	0.087805487
622417	513273	0.084851071	622438	513266	0.087542944	622449	513264	0.087215096
622417	513280	0.080833301	622438	513273	0.083458334	622449	513265	0.086629964
622417	513287	0.077078037	622438	513280	0.079627015	622449	513266	0.086050078
622417	513294	0.073565267	622438	513281	0.079099551	622449	513267	0.085475378
622422	513236	0.111059166	622438	513287	0.076034017	622450	513260	0.089437075
622422	513251	0.099133275	622438	513294	0.072661951	622450	513261	0.088833295
622422	513266	0.08892712	622438	513312	0.064895421	622450	513262	0.088234924
622422	513281	0.080129951	622438	513343	0.054034866	622450	513263	0.087641887
622422	513296	0.072504871	622438	513374	0.045601521	622450	513264	0.087054163
622422	513311	0.065868437	622438	513436	0.033642046	622450	513265	0.086471662
622422	513326	0.060065661	622438	513498	0.0258133	622450	513266	0.085894339
622422	513341	0.054969888	622445	513245	0.10024748	622450	513267	0.085322149
622424	513245	0.103483543	622445	513252	0.095413134	622451	513250	0.09557768
622424	513252	0.09823902	622445	513259	0.090885073	622451	513253	0.093622729
622424	513259	0.093357943	622445	513266	0.086640537	622451	513256	0.09172006
622424	513266	0.088808388	622445	513273	0.082657725	622451	513259	0.089868106
622451	513260	0.08926177	622454	513260	0.088716023	622458	513262	0.086788625
622451	513261	0.088660851	622454	513261	0.088123865	622458	513263	0.086218528
622451	513262	0.088065282	622454	513262	0.087536901	622458	513264	0.085653305
622451	513263	0.087475002	622454	513263	0.086955108	622458	513265	0.085092828
622451	513264	0.086889975	622454	513264	0.086378358	622458	513266	0.084536731
622451	513265	0.086310141	622454	513265	0.085806675	622458	513267	0.083985403

Table G-3

ISCLT2 Model Output - Cis-1,2-Dichloroethylene
Former General Instrument Corporation Site
Hicksville, New York

Cis-1,2-Dichloroethylene			Cis-1,2-Dichloroethylene			Cis-1,2-Dichloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622451	513266	0.085735418	622454	513266	0.085239992	622459	513245	0.097019799
622451	513267	0.085165784	622454	513267	0.084677979	622459	513252	0.092541039
622451	513268	0.084601097	622454	513268	0.084120654	622459	513259	0.088324808
622451	513271	0.082935683	622454	513271	0.082477666	622459	513260	0.087742917
622452	513236	0.105175279	622455	513259	0.089121983	622459	513261	0.087166004
622452	513245	0.098727502	622455	513260	0.08852762	622459	513262	0.086594015
622452	513251	0.094712898	622455	513261	0.087938458	622459	513263	0.086026929
622452	513252	0.094064705	622455	513262	0.087354459	622459	513264	0.085464656
622452	513259	0.089686535	622455	513263	0.086775519	622459	513265	0.084906876
622452	513260	0.089083128	622455	513264	0.086201623	622459	513266	0.084353618
622452	513261	0.088485107	622455	513265	0.085632712	622459	513267	0.083805084
622452	513262	0.087892383	622455	513266	0.085068733	622459	513273	0.080610775
622452	513263	0.08730489	622455	513267	0.084509239	622459	513280	0.077084154
622452	513264	0.086722583	622456	513259	0.088927358	622459	513287	0.073760286
622452	513265	0.086145431	622456	513260	0.088336088	622459	513294	0.070626244
622452	513266	0.085573345	622456	513261	0.087749928	622460	513250	0.093554869
622452	513267	0.085006312	622456	513262	0.087168887	622460	513253	0.091695793
622452	513273	0.081704758	622456	513263	0.086592868	622460	513256	0.089883871
622452	513280	0.078065887	622456	513264	0.086021826	622460	513259	0.088117875
622452	513281	0.077563956	622456	513265	0.085455731	622460	513260	0.087539174
622452	513287	0.074642398	622456	513266	0.084894374	622460	513261	0.086965419
622452	513294	0.071419828	622456	513267	0.084337518	622460	513262	0.086396515
622452	513296	0.070534073	622457	513250	0.094259933	622460	513263	0.085832454
622452	513311	0.064348437	622457	513253	0.092368051	622460	513264	0.085273154
622452	513326	0.058889967	622457	513256	0.090525076	622460	513265	0.084718056
622452	513341	0.054059111	622457	513259	0.088729575	622460	513266	0.084167689
622453	513259	0.089501612	622457	513260	0.088141419	622460	513268	0.083080918
622453	513260	0.088901207	622457	513261	0.087558314	622460	513271	0.081485145
622453	513261	0.088306099	622457	513262	0.086980254	622461	513259	0.087908007
622453	513262	0.087716214	622457	513263	0.086407177	622461	513260	0.087332532
622453	513263	0.087131575	622457	513264	0.085839033	622461	513261	0.086761929
622453	513264	0.086552039	622457	513265	0.085275784	622461	513262	0.086196125
622453	513265	0.085977599	622457	513266	0.084716998	622461	513263	0.085635088
622453	513266	0.085408188	622457	513267	0.084162906	622461	513264	0.085078612
622453	513267	0.084843747	622457	513268	0.083613545	622461	513265	0.084526442
622454	513250	0.094934724	622457	513271	0.081993811	622461	513266	0.083978981
622454	513253	0.093010865	622458	513259	0.088528723	622462	513259	0.087695226
622454	513256	0.091137581	622458	513260	0.087943681	622462	513260	0.087123014
622454	513259	0.089313418	622458	513261	0.08736366	622462	513261	0.08655557
622462	513262	0.08599291	622469	513253	0.089355506	622480	513259	0.080995448
622462	513263	0.085434973	622469	513256	0.087802231	622480	513266	0.078414045
622462	513264	0.084881246	622469	513259	0.086128615	622480	513273	0.075876556
622462	513265	0.084332079	622469	513262	0.084494069	622480	513280	0.073393911
622462	513266	0.083787553	622469	513265	0.082898095	622480	513287	0.070480473
622463	513250	0.092821099	622469	513268	0.081340596	622480	513294	0.067652911
622463	513253	0.090995513	622469	513271	0.079820626	622481	513250	0.083788849
622463	513256	0.089215428	622469	513281	0.075012289	622481	513253	0.082686767

Table G-3

ISCLT2 Model Output - Cis-1,2-Dichloroethylene
Former General Instrument Corporation Site
Hicksville, New York

Cis-1,2-Dichloroethylene			Cis-1,2-Dichloroethylene			Cis-1,2-Dichloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622463	513259	0.087479599	622469	513312	0.062337052	622481	513256	0.081586048
622463	513260	0.086910635	622469	513343	0.052399516	622481	513259	0.080487415
622463	513261	0.08634641	622469	513374	0.04453801	622481	513262	0.079393633
622463	513262	0.085786924	622472	513250	0.088939831	622481	513265	0.078305922
622463	513263	0.085231975	622472	513253	0.087659769	622481	513268	0.07722538
622463	513264	0.084681183	622472	513256	0.086388007	622481	513271	0.076153025
622463	513265	0.084135018	622472	513259	0.085125826	622482	513236	0.088243678
622463	513266	0.083593428	622472	513262	0.0838136	622482	513251	0.082867429
622463	513268	0.082523815	622472	513265	0.082246602	622482	513266	0.077477284
622463	513271	0.080952704	622472	513268	0.080716752	622482	513281	0.072252519
622466	513245	0.094849899	622472	513271	0.079223104	622482	513296	0.066557035
622466	513250	0.092060164	622473	513245	0.090469711	622482	513311	0.06111927
622466	513252	0.09086097	622473	513252	0.087517694	622482	513326	0.05625575
622466	513253	0.090268746	622473	513259	0.084603339	622482	513341	0.051900502
622466	513256	0.088521071	622473	513266	0.081513971	622484	513250	0.082115412
622466	513259	0.086816073	622473	513273	0.078049131	622484	513253	0.08106897
622466	513262	0.085152432	622473	513280	0.074771114	622484	513256	0.080021411
622466	513265	0.083527982	622473	513287	0.07166943	622484	513259	0.078974828
622466	513266	0.082995378	622473	513294	0.068734065	622484	513262	0.077931278
622466	513268	0.081943318	622475	513250	0.087201573	622484	513265	0.076892048
622466	513271	0.080397494	622475	513253	0.085982665	622484	513268	0.075858273
622466	513273	0.079387985	622475	513256	0.084769748	622484	513271	0.074830912
622466	513280	0.075982206	622475	513259	0.083563462	622487	513245	0.082109667
622466	513287	0.072766058	622475	513262	0.08236482	622487	513252	0.079803124
622466	513294	0.069728136	622475	513265	0.081176132	622487	513259	0.077479854
622467	513236	0.098472185	622475	513268	0.079998359	622487	513266	0.075162999
622467	513251	0.091202609	622475	513271	0.078606032	622487	513273	0.072868742
622467	513266	0.082790949	622478	513250	0.0854844	622487	513280	0.07060986
622467	513281	0.075347193	622478	513253	0.084324814	622487	513287	0.068395793
622467	513296	0.068758801	622478	513256	0.083169028	622487	513294	0.066233739
622467	513311	0.06291911	622478	513259	0.082017109	622494	513245	0.078141324
622467	513326	0.057733428	622478	513262	0.080871649	622494	513252	0.076119646
622467	513341	0.053119034	622478	513265	0.079734102	622494	513259	0.074062266
622469	513157	0.116531916	622478	513268	0.078605592	622494	513266	0.071992159
622469	513188	0.116327636	622478	513271	0.077486984	622494	513273	0.069926664
622469	513219	0.10475859	622480	513245	0.086220786	622494	513280	0.067879163
622469	513250	0.090698592	622480	513252	0.083604053	622494	513287	0.065860272
622494	513294	0.063878305	622562	513126	0.070291586	622655	513343	0.024076318
622497	513236	0.078833148	622562	513157	0.065356053	622655	513374	0.023128677
622497	513251	0.074854001	622562	513188	0.05908297	622686	513064	0.031034501
622497	513266	0.070659161	622562	513219	0.052462947	622686	513126	0.032310348
622497	513281	0.066447996	622562	513250	0.046995964	622686	513157	0.031784959
622497	513296	0.062342197	622562	513281	0.044815108	622686	513188	0.03061774
622497	513311	0.058414679	622562	513312	0.041656762	622686	513219	0.029141411
622497	513326	0.054507569	622562	513343	0.038174201	622686	513250	0.027429404
622497	513341	0.050443098	622562	513374	0.034726784	622686	513281	0.025540525
622500	511500	0.001233353	622562	513436	0.02854706	622686	513312	0.023591805

Table G-3

ISCLT2 Model Output - Cis-1,2-Dichloroethylene
Former General Instrument Corporation Site
Hicksville, New York

Cis-1,2-Dichloroethylene			Cis-1,2-Dichloroethylene			Cis-1,2-Dichloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622500	512000	0.002441306	622562	513498	0.023353301	622686	513343	0.02166819
622500	512500	0.007599455	622593	513157	0.053920552	622686	513374	0.020059174
622500	512750	0.020647822	622593	513188	0.049916081	622686	513436	0.018448968
622500	512875	0.042221155	622593	513219	0.045364674	622686	513498	0.016527172
622500	513000	0.09205474	622593	513250	0.040657267	622748	513064	0.022684563
622500	513064	0.121218659	622593	513281	0.036747675	622748	513126	0.023639958
622500	513125	0.111217134	622593	513312	0.035089675	622748	513188	0.022993179
622500	513126	0.110653765	622593	513343	0.032883797	622748	513250	0.021286843
622500	513157	0.094363794	622593	513374	0.030477813	622748	513312	0.019109134
622500	513188	0.083180159	622624	513064	0.04485308	622748	513374	0.016719071
622500	513219	0.080619536	622624	513126	0.046383545	622748	513436	0.014562864
622500	513250	0.073579297	622624	513157	0.044767298	622748	513498	0.013574358
622500	513281	0.065318093	622624	513188	0.042169031	622750	512750	0.011733946
622500	513312	0.057333607	622624	513219	0.039080251	622750	512875	0.015310884
622500	513343	0.049622808	622624	513250	0.035700299	622750	513000	0.020085633
622500	513374	0.042618059	622624	513281	0.03227894	622750	513125	0.023417419
622500	513375	0.042415205	622624	513312	0.02943103	622750	513250	0.021119092
622500	513436	0.032215368	622624	513343	0.028182762	622750	513375	0.01658795
622500	513498	0.025098909	622624	513374	0.026601292	622750	513500	0.013451385
622500	513500	0.024909012	622624	513436	0.023153478	622750	513625	0.011127586
622500	513625	0.016263947	622624	513498	0.019902969	622750	513750	0.009048671
622500	513750	0.011464997	622625	512875	0.025685167	622750	514000	0.006047162
622500	514000	0.006636703	622625	513000	0.036434073	622750	514250	0.004169866
622500	514250	0.004375849	622625	513125	0.046122562	622750	514500	0.003052975
622500	514500	0.003131877	622625	513250	0.035548929	622810	513064	0.017304895
622500	515000	0.001868405	622625	513375	0.026429486	622810	513126	0.0180138
622531	513157	0.079063103	622625	513500	0.019748425	622810	513188	0.017798109
622531	513188	0.069412798	622625	513625	0.01460739	622810	513250	0.016803872
622531	513219	0.061694667	622625	513750	0.010740264	622810	513312	0.015567609
622531	513250	0.059000664	622655	513157	0.037526768	622810	513374	0.014055151
622531	513281	0.054350887	622655	513188	0.035770569	622810	513436	0.012487487
622531	513312	0.049115315	622655	513219	0.03369014	622810	513498	0.011082766
622531	513343	0.043987647	622655	513250	0.031280492	622872	513064	0.013650041
622531	513374	0.039271344	622655	513281	0.028732348	622872	513126	0.014182914
622562	513064	0.069652244	622655	513312	0.026193174	622872	513188	0.014150996
622872	513250	0.013607433	623250	513250	0.005165404	624500	512000	0.000714642
622872	513312	0.012814097	623250	513375	0.004990303	624500	512500	0.000874658
622872	513374	0.011854446	623250	513500	0.004679891	624500	513000	0.001035883
622872	513436	0.010784728	623250	513625	0.004288747	624500	513500	0.001099638
622872	513498	0.009707503	623250	513750	0.003851295	624500	514000	0.001035092
622875	512875	0.00975347	623250	514000	0.00313298	624500	514500	0.000912395
622875	513000	0.012537167	623250	514250	0.002701289	624500	515000	0.000767589
622875	513125	0.014025544	623250	514500	0.002280512	625000	511000	0.00040922
622875	513250	0.013475377	623500	511500	0.001065517	625000	511500	0.000471965
622875	513375	0.011742515	623500	512000	0.001508362	625000	512000	0.00052464
622875	513500	0.009614847	623500	512500	0.002147316	625000	512500	0.000641466
622875	513625	0.008212549	623500	512750	0.002589932	625000	513000	0.00072624

Table G-3

ISCLT2 Model Output - Cis-1,2-Dichloroethylene
Former General Instrument Corporation Site
Hicksville, New York

Cis-1,2-Dichloroethylene			Cis-1,2-Dichloroethylene			Cis-1,2-Dichloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622875	513750	0.00716818	623500	513000	0.00308646	625000	513500	0.000769216
623000	511000	0.000836279	623500	513250	0.00330951	625000	514000	0.000749893
623000	511500	0.001332703	623500	513500	0.003158494	625000	514500	0.000693717
623000	512000	0.002318272	623500	513750	0.002819868	625000	515000	0.000616892
623000	512500	0.004432557	623500	514000	0.00239288	625000	516000	0.00048361
623000	512750	0.006125798	623500	514250	0.002042118	625000	517000	0.00039816
623000	512875	0.007149673	623500	514500	0.001831007	625000	518000	0.000323808
623000	513000	0.008570704	623500	515000	0.001415745	626000	511000	0.000281733
623000	513125	0.009360737	623750	512750	0.00191628	626000	512000	0.000348759
623000	513250	0.009285602	623750	513000	0.002180244	626000	513000	0.000425699
623000	513375	0.00851879	623750	513250	0.002320289	626000	514000	0.000449891
623000	513500	0.007468498	623750	513500	0.002282625	626000	515000	0.00041193
623000	513625	0.00633188	623750	513750	0.002121143	626000	516000	0.000347687
623000	513750	0.005588019	623750	514000	0.001899799	626000	517000	0.000292796
623000	514000	0.004474341	623750	514250	0.001654903	626000	518000	0.00025719
623000	514250	0.003507084	623750	514500	0.001456194	627000	511000	0.000203224
623000	514500	0.002781672	624000	511000	0.000625304	627000	512000	0.000249087
623000	515000	0.00178083	624000	511500	0.000788595	627000	513000	0.000286651
623000	516000	0.000918429	624000	512000	0.001020018	627000	514000	0.000303917
623000	517000	0.000572521	624000	512500	0.001267663	627000	515000	0.000291824
623000	518000	0.000398671	624000	512750	0.001478836	627000	516000	0.000264623
623125	512875	0.005457695	624000	513000	0.001635652	627000	517000	0.000229976
623125	513000	0.006251085	624000	513250	0.001729508	627000	518000	0.000201626
623125	513125	0.006721984	624000	513500	0.001728977	628000	511000	0.000158823
623125	513250	0.00677352	624000	513750	0.001643334	628000	512000	0.000188442
623125	513375	0.006392911	624000	514000	0.001527191	628000	513000	0.000209863
623125	513500	0.005862411	624000	514250	0.001379526	628000	514000	0.000222027
623125	513625	0.005198416	624000	514500	0.00122629	628000	515000	0.000219245
623125	513750	0.004524179	624000	515000	0.00102803	628000	516000	0.000206398
623250	512750	0.00368211	624000	516000	0.000729982	628000	517000	0.000187574
623250	512875	0.004295995	624000	517000	0.000523926	628000	518000	0.000166758
623250	513000	0.004780145	624000	518000	0.000380185	Maximum =		0.241
623250	513125	0.005084759	624500	511500	0.000606674			

Table G-4

**ISCLT2 Model Output - Tetrachloroethylene
Former General Instrument Corporation Site
Hicksville, New York**

Tetrachloroethylene			Tetrachloroethylene			Tetrachloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
616000	511000	9.14389E-05	620000	511000	0.000333393	621250	514500	0.000560054
616000	512000	9.70045E-05	620000	511500	0.00037893	621500	511500	0.000693626
616000	513000	9.8166E-05	620000	512000	0.00041223	621500	512000	0.001235509
616000	514000	8.49548E-05	620000	512500	0.000454933	621500	512500	0.001972928
616000	515000	6.85583E-05	620000	513000	0.000469854	621500	512750	0.00221567
616000	516000	5.55087E-05	620000	513500	0.000392218	621500	513000	0.002418043
616000	517000	5.12938E-05	620000	514000	0.000286332	621500	513250	0.001986891
616000	518000	4.63966E-05	620000	514500	0.000248623	621500	513500	0.001385553
617000	511000	0.000115197	620000	515000	0.000215246	621500	513750	0.001167049
617000	512000	0.000125441	620000	516000	0.000167075	621500	514000	0.000942458
617000	513000	0.000128015	620000	517000	0.000133593	621500	514250	0.000819696
617000	514000	0.000107294	620000	518000	0.000106853	621500	514500	0.000696709
617000	515000	8.15972E-05	620500	511500	0.000500175	621500	515000	0.000504219
617000	516000	6.95217E-05	620500	512000	0.000581616	621750	512750	0.003657225
617000	517000	6.20999E-05	620500	512500	0.000650684	621750	512875	0.003957906
617000	518000	5.43629E-05	620500	513000	0.000690258	621750	513000	0.004177741
618000	511000	0.000154192	620500	513500	0.000543204	621750	513125	0.00390392
618000	512000	0.000170666	620500	514000	0.000387976	621750	513250	0.003127576
618000	513000	0.000176865	620500	514500	0.000329169	621750	513375	0.002432059
618000	514000	0.000141069	620500	515000	0.00026874	621750	513500	0.002189427
618000	515000	0.000100775	621000	511000	0.000431869	621750	513625	0.001897895
618000	516000	8.92506E-05	621000	511500	0.000635506	621750	513750	0.001645122
618000	517000	7.59054E-05	621000	512000	0.000864751	621750	514000	0.001340619
618000	518000	6.67828E-05	621000	512500	0.001017037	621750	514250	0.001063286
619000	511000	0.000220719	621000	512750	0.00111626	621750	514500	0.000850078
619000	511500	0.000233218	621000	513000	0.001148434	621875	512875	0.005448245
619000	512000	0.000249602	621000	513250	0.001019884	621875	513000	0.005941996
619000	512500	0.000263959	621000	513500	0.000806929	621875	513125	0.005475972
619000	513000	0.000267029	621000	513750	0.000649467	621875	513250	0.004079008
619000	513500	0.000236658	621000	514000	0.000585494	621875	513375	0.003321813
619000	514000	0.000195405	621000	514250	0.000512676	621875	513500	0.002824649
619000	514500	0.000153443	621000	514500	0.000446365	621875	513625	0.002372953
619000	515000	0.000143183	621000	515000	0.000373302	621875	513750	0.002102882
619000	516000	0.000117034	621000	515000	0.000373302	622000	511000	0.000502569
619000	517000	9.85481E-05	621000	516000	0.000248883	622000	511500	0.000775397
619000	518000	8.52183E-05	621000	517000	0.000198827	622000	512000	0.001368644
619500	511500	0.000293686	621000	518000	0.000169023	622000	512500	0.003817155
619500	512000	0.000313147	621250	512750	0.00152356	622000	512750	0.007027576
619500	512500	0.000338747	621250	513000	0.001598724	622000	512875	0.008247135
619500	513000	0.000345224	621250	513250	0.001378712	622000	513000	0.009154131
619500	513500	0.000298698	621250	513500	0.001010946	622000	513125	0.008256681
619500	514000	0.000235154	621250	513750	0.000857614	622000	513250	0.005559641
619500	514500	0.000192763	621250	514000	0.000735697	622000	513375	0.004696466
619500	515000	0.000174442	621250	514250	0.000621532	622000	513500	0.003772076
622000	513625	0.003202998	622250	514500	0.00194518	622345	513374	0.024834707
622000	513750	0.002653659	622252	513064	0.031772561	622347	513236	0.043284964

Table G-4

ISCLT2 Model Output - Tetrachloroethylene
Former General Instrument Corporation Site
Hicksville, New York

Tetrachloroethylene			Tetrachloroethylene			Tetrachloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622000	514000	0.001836624	622252	513126	0.024157606	622347	513251	0.041527528
622000	514250	0.001583325	622252	513188	0.020710511	622347	513266	0.039458215
622000	514500	0.001337953	622252	513250	0.017655626	622347	513281	0.037263542
622000	515000	0.000950502	622252	513312	0.01471452	622347	513296	0.03506111
622000	516000	0.000543645	622252	513374	0.01183764	622347	513311	0.032920726
622000	517000	0.0003571	622252	513436	0.009811415	622347	513326	0.030880446
622000	518000	0.0002568	622252	513498	0.009142145	622347	513341	0.028959734
622125	512875	0.013558995	622314	513064	0.047311217	622362	513236	0.055111114
622125	513000	0.01576077	622314	513126	0.036689527	622362	513251	0.051222876
622125	513125	0.013644279	622314	513157	0.034844194	622362	513266	0.047483414
622125	513250	0.009277598	622314	513188	0.03342456	622362	513281	0.043966103
622125	513375	0.007026488	622314	513219	0.030119848	622362	513296	0.040705033
622125	513500	0.005523764	622314	513250	0.026278984	622362	513311	0.037710544
622125	513625	0.004217048	622314	513281	0.023240387	622362	513326	0.034975212
622125	513750	0.003354867	622314	513312	0.022608705	622362	513341	0.032484282
622128	513064	0.016198775	622314	513343	0.021168482	622375	512875	0.027406253
622128	513126	0.01377282	622314	513374	0.019464919	622375	513000	0.081476584
622128	513188	0.010304821	622314	513436	0.016142385	622375	513125	0.087454103
622128	513250	0.009401346	622314	513498	0.013362842	622375	513250	0.060125969
622128	513312	0.008136615	622317	513236	0.028571498	622375	513375	0.029828761
622128	513374	0.007130042	622317	513251	0.026622415	622375	513500	0.017345479
622128	513436	0.006373057	622317	513266	0.024744147	622375	513625	0.01133175
622128	513498	0.005596076	622317	513281	0.024449408	622375	513750	0.008015271
622190	513064	0.02244273	622317	513296	0.024131943	622376	513064	0.019684177
622190	513126	0.018211979	622317	513311	0.023549344	622376	513126	0.089709587
622190	513188	0.014352023	622317	513326	0.022801606	622376	513157	0.107406445
622190	513250	0.012453646	622317	513341	0.021958217	622376	513188	0.090421826
622190	513312	0.010697278	622332	513236	0.032172613	622376	513219	0.074123614
622190	513374	0.009287412	622332	513251	0.032265961	622376	513250	0.060789563
622190	513436	0.007874141	622332	513266	0.031693295	622376	513281	0.05021771
622190	513498	0.006646603	622332	513281	0.030713422	622376	513312	0.041898716
622250	512750	0.010419437	622332	513296	0.029501846	622376	513343	0.035345092
622250	512875	0.020773595	622332	513311	0.028172903	622376	513374	0.030143676
622250	513000	0.032321889	622332	513326	0.026800895	622376	513436	0.02259717
622250	513125	0.024088129	622332	513341	0.025433816	622376	513498	0.017543089
622250	513250	0.01741885	622345	513157	0.051178526	622377	513236	0.067254983
622250	513375	0.01170977	622345	513188	0.044669054	622377	513251	0.061061643
622250	513500	0.008983802	622345	513219	0.042588554	622377	513266	0.055554435
622250	513625	0.007203292	622345	513250	0.040375732	622377	513281	0.050660215
622250	513750	0.005685188	622345	513281	0.036378145	622377	513296	0.046312049
622250	514000	0.003715231	622345	513312	0.032150552	622377	513311	0.042449419
622250	514250	0.002611917	622345	513343	0.02825095	622377	513326	0.039013375
622377	513341	0.035951361	622422	513296	0.053342223	622438	513343	0.039753739
622392	513236	0.079225689	622422	513311	0.048459757	622438	513374	0.033549275
622392	513251	0.070702404	622422	513326	0.044190627	622438	513436	0.024750628
622392	513266	0.06342838	622422	513341	0.040441632	622438	513498	0.018990979

Table G-4

ISCLT2 Model Output - Tetrachloroethylene
Former General Instrument Corporation Site
Hicksville, New York

Tetrachloroethylene			Tetrachloroethylene			Tetrachloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622392	513281	0.057169471	622424	513245	0.076133393	622445	513245	0.073752612
622392	513296	0.051751711	622424	513252	0.072274961	622445	513252	0.070195936
622392	513311	0.047039367	622424	513259	0.068683922	622445	513259	0.066864625
622392	513326	0.04292025	622424	513266	0.065336801	622445	513266	0.063741908
622392	513341	0.039303284	622424	513273	0.062212803	622445	513273	0.060811725
622407	513157	0.177426383	622424	513280	0.059292022	622445	513280	0.058059465
622407	513188	0.125796363	622424	513287	0.056558952	622445	513287	0.055474475
622407	513219	0.094788164	622424	513294	0.054000117	622445	513294	0.053044986
622407	513236	0.082446396	622431	513245	0.075515181	622447	513260	0.066171125
622407	513250	0.073950507	622431	513252	0.071742483	622447	513261	0.065720789
622407	513251	0.073392548	622431	513259	0.068224527	622447	513262	0.065274529
622407	513266	0.065697573	622431	513266	0.064939894	622447	513263	0.06483233
622407	513281	0.059099957	622431	513273	0.061869588	622447	513264	0.064394131
622407	513296	0.05340597	622431	513280	0.058994681	622447	513265	0.063959859
622407	513311	0.048466448	622431	513287	0.056301691	622447	513266	0.063529536
622407	513312	0.048160836	622431	513294	0.053777508	622447	513267	0.063103095
622407	513326	0.044159107	622437	513236	0.079974242	622448	513250	0.070765488
622407	513341	0.040384959	622437	513251	0.071666576	622448	513253	0.0693051
622407	513343	0.039917499	622437	513266	0.064490236	622448	513256	0.067884408
622407	513374	0.033580542	622437	513281	0.058258597	622448	513259	0.066502154
622410	513245	0.076795057	622437	513296	0.052826837	622448	513260	0.06604974
622410	513252	0.072817758	622437	513311	0.048076678	622448	513261	0.065601423
622410	513259	0.06912756	622437	513326	0.043906644	622448	513262	0.06515713
622410	513266	0.065697461	622437	513341	0.040232431	622448	513263	0.064716883
622410	513273	0.062503859	622438	513064	0.166805223	622448	513264	0.064280585
622410	513280	0.05952432	622438	513126	0.136895806	622448	513265	0.063848205
622410	513287	0.056742385	622438	513157	0.141073436	622448	513266	0.063419707
622410	513294	0.054141946	622438	513188	0.116946548	622448	513267	0.062995069
622417	513245	0.076562367	622438	513219	0.090843029	622448	513268	0.062574215
622417	513252	0.072635308	622438	513245	0.074717537	622448	513271	0.061333492
622417	513259	0.068986565	622438	513250	0.072069623	622449	513260	0.065925799
622417	513266	0.065590672	622438	513252	0.071046077	622449	513261	0.06547951
622417	513273	0.062425379	622438	513259	0.067615196	622449	513262	0.065037251
622417	513280	0.059469495	622438	513266	0.064405814	622449	513263	0.06459897
622417	513287	0.05670673	622438	513273	0.061400738	622449	513264	0.064164601
622417	513294	0.054122344	622438	513280	0.058582004	622449	513265	0.063734122
622422	513236	0.081706822	622438	513281	0.058193944	622449	513266	0.063307487
622422	513251	0.072932869	622438	513287	0.05593862	622449	513267	0.062884674
622422	513266	0.065424137	622438	513294	0.053457785	622450	513260	0.065799318
622422	513281	0.058952037	622438	513312	0.047743902	622450	513261	0.06535513
622450	513262	0.06491489	622453	513261	0.064967252	622457	513261	0.064417116
622450	513263	0.064478599	622453	513262	0.064533293	622457	513262	0.06399183
622450	513264	0.064046189	622453	513263	0.064103156	622457	513263	0.063570216
622450	513265	0.063617647	622453	513264	0.063676782	622457	513264	0.063152231
622450	513266	0.063192911	622453	513265	0.06325417	622457	513265	0.062737852
622450	513267	0.062771946	622453	513266	0.062835254	622457	513266	0.062326737

Table G-4

**ISCLT2 Model Output - Tetrachloroethylene
Former General Instrument Corporation Site
Hicksville, New York**

Tetrachloroethylene			Tetrachloroethylene			Tetrachloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact (µg/m³)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact (µg/m³)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact (µg/m³)</u>
622451	513250	0.070316978	622453	513267	0.062419988	622457	513267	0.061919089
622451	513253	0.068878725	622454	513250	0.069843963	622457	513268	0.061514936
622451	513256	0.06747894	622454	513253	0.068428569	622457	513271	0.060323272
622451	513259	0.06611643	622454	513256	0.067050383	622458	513259	0.065131038
622451	513260	0.065670371	622454	513259	0.065708339	622458	513260	0.064700633
622451	513261	0.065228246	622454	513260	0.065268844	622458	513261	0.064273894
622451	513262	0.064790092	622454	513261	0.064833194	622458	513262	0.063850835
622451	513263	0.064355813	622454	513262	0.064401366	622458	513263	0.063431412
622451	513264	0.0639254	622454	513263	0.063973323	622458	513264	0.06301558
622451	513265	0.06349881	622454	513264	0.063549005	622458	513265	0.06260325
622451	513266	0.063075997	622454	513265	0.063128427	622458	513266	0.062194124
622451	513267	0.062656917	622454	513266	0.0627115	622458	513267	0.061788503
622451	513268	0.062241457	622454	513267	0.062298026	622459	513245	0.07137797
622451	513271	0.061016217	622454	513268	0.061887991	622459	513252	0.068082929
622452	513236	0.07737799	622454	513271	0.060679242	622459	513259	0.064981014
622452	513245	0.072634332	622455	513259	0.065567516	622459	513260	0.064552918
622452	513251	0.069680788	622455	513260	0.065130241	622459	513261	0.064128496
622452	513252	0.069203883	622455	513261	0.064696789	622459	513262	0.06370768
622452	513259	0.065982841	622455	513262	0.064267129	622459	513263	0.063290469
622452	513260	0.065538935	622455	513263	0.063841194	622459	513264	0.062876798
622452	513261	0.065098964	622455	513264	0.063418984	622459	513265	0.062466431
622452	513262	0.064662881	622455	513265	0.063000433	622459	513266	0.062059399
622452	513263	0.064230666	622455	513266	0.062585518	622459	513267	0.061655849
622452	513264	0.063802265	622455	513267	0.062173877	622459	513273	0.059305765
622452	513265	0.063377626	622456	513259	0.065424316	622459	513280	0.056711219
622452	513266	0.062956758	622456	513260	0.064989314	622459	513287	0.054265827
622452	513267	0.062539592	622456	513261	0.064558081	622459	513294	0.051960088
622452	513273	0.060110614	622456	513262	0.064130597	622460	513250	0.068828791
622452	513280	0.057433467	622456	513263	0.063706823	622460	513253	0.067461066
622452	513281	0.057064209	622456	513264	0.063286699	622460	513256	0.066128038
622452	513287	0.054914802	622456	513265	0.062870219	622460	513259	0.064828776
622452	513294	0.052543953	622456	513266	0.062457234	622460	513260	0.064403042
622452	513296	0.051892292	622456	513267	0.062047545	622460	513261	0.063980907
622452	513311	0.047341477	622457	513250	0.069347523	622460	513262	0.063562363
622452	513326	0.043325651	622457	513253	0.067955658	622460	513263	0.063147374
622452	513341	0.039771579	622457	513256	0.066599764	622460	513264	0.0627359
622453	513259	0.065846801	622457	513259	0.065278821	622460	513265	0.062327527
622453	513260	0.065405086	622457	513260	0.064846106	622460	513266	0.061922602
622460	513268	0.061123077	622466	513287	0.053534366	622475	513259	0.061478075
622460	513271	0.059949052	622466	513294	0.051299352	622475	513262	0.060596239
622461	513259	0.064674385	622467	513236	0.072446488	622475	513265	0.059721708
622461	513260	0.064251013	622467	513251	0.067098223	622475	513268	0.058855206
622461	513261	0.063831203	622467	513266	0.060909733	622475	513271	0.057830874
622461	513262	0.063414939	622467	513281	0.055433322	622478	513250	0.062891334
622461	513263	0.063002199	622467	513296	0.050586212	622478	513253	0.062038206
622461	513264	0.062592775	622467	513311	0.046289906	622478	513256	0.061187882

Table G-4

ISCLT2 Model Output - Tetrachloroethylene
Former General Instrument Corporation Site
Hicksville, New York

Tetrachloroethylene			Tetrachloroethylene			Tetrachloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622461	513265	0.06218655	622467	513326	0.042474784	622478	513259	0.060340416
622461	513266	0.061783768	622467	513341	0.039079957	622478	513262	0.059497681
622462	513259	0.064517826	622469	513157	0.085733153	622478	513265	0.058660802
622462	513260	0.064096861	622469	513188	0.085582875	622478	513268	0.057830539
622462	513261	0.06367939	622469	513219	0.077071443	622478	513271	0.057007574
622462	513262	0.063265443	622469	513250	0.06672743	622480	513245	0.063433088
622462	513263	0.062854946	622469	513253	0.065739326	622480	513252	0.061507929
622462	513264	0.062447578	622469	513256	0.064596564	622480	513259	0.059588768
622462	513265	0.062043551	622469	513259	0.063365266	622480	513266	0.057689622
622462	513266	0.061642941	622469	513262	0.06216272	622480	513273	0.055822775
622463	513250	0.068288952	622469	513265	0.060988568	622480	513280	0.053996269
622463	513253	0.066945881	622469	513268	0.059842702	622480	513287	0.05185286
622463	513256	0.065636255	622469	513271	0.058724441	622480	513294	0.049772598
622463	513259	0.064359203	622469	513281	0.055186939	622481	513250	0.061643895
622463	513260	0.0639406	622469	513312	0.045861702	622481	513253	0.060833082
622463	513261	0.06352552	622469	513343	0.038550597	622481	513256	0.060023278
622463	513262	0.063113876	622469	513374	0.032766845	622481	513259	0.059215002
622463	513263	0.062705599	622472	513250	0.06543351	622481	513262	0.058410306
622463	513264	0.062300373	622472	513253	0.064491741	622481	513265	0.05761008
622463	513265	0.061898567	622472	513256	0.063556112	622481	513268	0.056815125
622463	513266	0.061500128	622472	513259	0.062627532	622481	513271	0.056026183
622463	513268	0.060713194	622472	513262	0.0616621	622482	513236	0.064921357
622463	513271	0.05955733	622472	513265	0.060509261	622482	513251	0.060966011
622466	513245	0.069781564	622472	513268	0.059383735	622482	513266	0.057000455
622466	513250	0.067729145	622472	513271	0.058284849	622482	513281	0.053156558
622466	513252	0.066846885	622473	513245	0.066559047	622482	513296	0.048966359
622466	513253	0.066411175	622473	513252	0.064387232	622482	513311	0.044965766
622466	513256	0.065125398	622473	513259	0.062243115	622482	513326	0.041387647
622466	513259	0.063871041	622473	513266	0.059970249	622482	513341	0.038183462
622466	513262	0.062647075	622473	513273	0.057421155	622484	513250	0.060412742
622466	513265	0.061451968	622473	513280	0.055009496	622484	513253	0.059642874
622466	513266	0.061060127	622473	513287	0.052727569	622484	513256	0.058872167
622466	513268	0.060286135	622473	513294	0.050568014	622484	513259	0.058102187
622466	513271	0.059148856	622475	513250	0.064154655	622484	513262	0.057334445
622466	513273	0.058406144	622475	513253	0.063257895	622484	513265	0.056569882
622466	513280	0.055900499	622475	513256	0.062365543	622484	513268	0.055809327
622484	513271	0.055053484	622500	513498	0.018465396	622624	513343	0.020734206
622487	513245	0.060408507	622500	513500	0.018325694	622624	513374	0.019570705
622487	513252	0.058711577	622500	513625	0.01196547	622624	513436	0.017034134
622487	513259	0.057002328	622500	513750	0.008434859	622624	513498	0.014642718
622487	513266	0.055297807	622500	514000	0.004882657	622625	512875	0.018896714
622487	513273	0.053609923	622500	514250	0.003219335	622625	513000	0.026804743
622487	513280	0.051948041	622500	514500	0.002304138	622625	513125	0.033932611
622487	513287	0.05031915	622500	515000	0.001374595	622625	513250	0.026153537
622487	513294	0.048728511	622531	513157	0.058167145	622625	513375	0.019444311
622494	513245	0.057488989	622531	513188	0.051067371	622625	513500	0.01452902

Table G-4

ISCLT2 Model Output - Tetrachloroethylene
Former General Instrument Corporation Site
Hicksville, New York

Tetrachloroethylene			Tetrachloroethylene			Tetrachloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622494	513252	0.056001615	622531	513219	0.04538909	622625	513625	0.010746731
622494	513259	0.054488	622531	513250	0.043407094	622625	513750	0.007901668
622494	513266	0.052965011	622531	513281	0.039986234	622655	513157	0.027608639
622494	513273	0.051445417	622531	513312	0.036134403	622655	513188	0.026316593
622494	513280	0.049939055	622531	513343	0.032361936	622655	513219	0.024786012
622494	513287	0.048453756	622531	513374	0.028892132	622655	513250	0.023013223
622494	513294	0.046995591	622562	513064	0.051243525	622655	513281	0.021138538
622497	513236	0.057997953	622562	513126	0.051713895	622655	513312	0.019270457
622497	513251	0.055070471	622562	513157	0.048082795	622655	513343	0.01771307
622497	513266	0.051984306	622562	513188	0.043467652	622655	513374	0.017015887
622497	513281	0.048886143	622562	513219	0.038597263	622686	513064	0.022832247
622497	513296	0.04586548	622562	513250	0.034575176	622686	513126	0.023770891
622497	513311	0.042975985	622562	513281	0.032970712	622686	513157	0.023384359
622497	513326	0.04010151	622562	513312	0.030647099	622686	513188	0.022525635
622497	513341	0.037111241	622562	513343	0.028084952	622686	513219	0.021439491
622500	511500	0.000907385	622562	513374	0.025548672	622686	513250	0.020179953
622500	512000	0.001796082	622562	513436	0.021002222	622686	513281	0.018790299
622500	512500	0.005590959	622562	513498	0.017181145	622686	513312	0.017356616
622500	512750	0.015190709	622593	513157	0.039669633	622686	513343	0.0159414
622500	512875	0.031062324	622593	513188	0.036723521	622686	513374	0.014757639
622500	513000	0.067725144	622593	513219	0.033375025	622686	513436	0.013573002
622500	513064	0.089181207	622593	513250	0.029911762	622686	513498	0.012159128
622500	513125	0.081823014	622593	513281	0.027035464	622748	513064	0.01668915
622500	513126	0.081408545	622593	513312	0.025815656	622748	513126	0.017392041
622500	513157	0.069423936	622593	513343	0.024192782	622748	513188	0.016916199
622500	513188	0.061196078	622593	513374	0.022422686	622748	513250	0.015660841
622500	513219	0.059312202	622624	513064	0.032998651	622748	513312	0.014058688
622500	513250	0.054132678	622624	513126	0.034124609	622748	513374	0.012300307
622500	513281	0.048054867	622624	513157	0.032935534	622748	513436	0.010713976
622500	513312	0.042180635	622624	513188	0.031023974	622748	513498	0.009986726
622500	513343	0.036507756	622624	513219	0.028751545	622750	512750	0.008632726
622500	513374	0.031354331	622624	513250	0.026264899	622750	512875	0.011264295
622500	513375	0.03120509	622624	513281	0.023747785	622750	513000	0.014777103
622500	513436	0.023701018	622624	513312	0.021652563	622750	513125	0.017228317
622750	513250	0.015537427	623000	513750	0.004111134	623750	513750	0.001560536
622750	513375	0.012203842	623000	514000	0.003291796	623750	514000	0.001397692
622750	513500	0.009896254	623000	514250	0.00258018	623750	514250	0.001217521
622750	513625	0.008186622	623000	514500	0.002046491	623750	514500	0.00107133
622750	513750	0.006657154	623000	515000	0.001310166	624000	511000	0.000460039
622750	514000	0.004448929	623000	516000	0.000675693	624000	511500	0.000580173
622750	514250	0.003067792	623000	517000	0.000421206	624000	512000	0.000750433
622750	514500	0.002246089	623000	518000	0.000293305	624000	512000	0.000750433
622810	513064	0.012731303	623125	512875	0.004015254	624000	512500	0.000932626
622810	513126	0.013252845	623125	513000	0.004598956	624000	512750	0.001087987
622810	513188	0.013094164	623125	513125	0.004945398	624000	513000	0.001203357
622810	513250	0.012362697	623125	513250	0.004983313	624000	513250	0.001272408

Table G-4

ISCLT2 Model Output - Tetrachloroethylene
Former General Instrument Corporation Site
Hicksville, New York

Tetrachloroethylene			Tetrachloroethylene			Tetrachloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622810	513312	0.01145317	623125	513375	0.004703297	624000	513500	0.001272017
622810	513374	0.010340449	623125	513500	0.004313006	624000	513750	0.001209009
622810	513436	0.009187108	623125	513625	0.003824502	624000	514000	0.001123562
622810	513498	0.008153651	623125	513750	0.003328463	624000	514250	0.001014924
622872	513064	0.010042404	623250	512750	0.002708947	624000	514500	0.000902188
622872	513126	0.010434443	623250	512875	0.003160587	624000	515000	0.000756327
622872	513188	0.010410962	623250	513000	0.003516778	624000	515000	0.000756327
622872	513250	0.010011059	623250	513125	0.003740883	624000	516000	0.000537051
622872	513312	0.009427398	623250	513250	0.003800215	624000	517000	0.000385455
622872	513374	0.008721378	623250	513375	0.003671392	624000	518000	0.000279704
622872	513436	0.00793438	623250	513500	0.00344302	624500	511500	0.000446333
622872	513498	0.007141861	623250	513625	0.003155253	624500	512000	0.000525766
622875	512875	0.007175678	623250	513750	0.002833418	624500	512500	0.000643491
622875	513000	0.00922366	623250	514000	0.00230495	624500	513000	0.000762104
622875	513125	0.010318664	623250	514250	0.001987353	624500	513500	0.00080901
622875	513250	0.009913906	623250	514500	0.001677784	624500	514000	0.000761522
622875	513375	0.008639031	623500	511500	0.000783906	624500	514500	0.000671253
622875	513500	0.007073694	623500	512000	0.00110971	624500	515000	0.000564719
622875	513625	0.006042014	623500	512500	0.001579791	625000	511000	0.000301065
622875	513750	0.005273668	623500	512750	0.001905427	625000	511500	0.000347227
623000	511000	0.000615255	623500	513000	0.002270725	625000	512000	0.000385981
623000	511500	0.000980477	623500	513250	0.002434824	625000	512500	0.00047193
623000	512000	0.001705565	623500	513500	0.002323721	625000	513000	0.000534299
623000	512500	0.003261056	623500	513750	0.002074592	625000	513500	0.000565916
623000	512750	0.004506781	623500	514000	0.001760455	625000	514000	0.0005517
623000	512875	0.005260052	623500	514250	0.001502397	625000	514500	0.000510371
623000	513000	0.00630551	623500	514500	0.001347082	625000	515000	0.000453851
623000	513125	0.006886744	623500	515000	0.001041571	625000	516000	0.000355794
623000	513250	0.006831466	623750	512750	0.001409817	625000	517000	0.000292928
623000	513375	0.006267318	623750	513000	0.001604017	625000	518000	0.000238227
623000	513500	0.005494612	623750	513250	0.001707049	626000	511000	0.000207273
623000	513625	0.004658397	623750	513500	0.001679339	626000	512000	0.000256584
626000	513000	0.000313189						
626000	514000	0.000330987						
626000	515000	0.000303059						
626000	516000	0.000255795						
626000	517000	0.000215411						
626000	518000	0.000189216						
627000	511000	0.000149513						
627000	512000	0.000183254						
627000	513000	0.00021089						
627000	514000	0.000223594						
627000	515000	0.000214697						
627000	516000	0.000194685						
627000	517000	0.000169195						
627000	518000	0.000148337						

Table G-4

ISCLT2 Model Output - Tetrachloroethylene
Former General Instrument Corporation Site
Hicksville, New York

Tetrachloroethylene			Tetrachloroethylene			Tetrachloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
628000	511000	0.000116847						
628000	512000	0.000138638						
628000	513000	0.000154397						
628000	514000	0.000163347						
628000	515000	0.000161299						
628000	516000	0.000151848						
628000	517000	0.000137999						
628000	518000	0.000122685						
Maximum =		0.177						

Table G-5

ISCLT2 Model Output - Toluene
Former General Instrument Corporation Site
Hicksville, New York

Toluene			Toluene			Toluene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
616000	511000	7.10665E-07	619500	515000	1.35577E-06	621250	514250	4.83056E-06
616000	512000	7.53921E-07	620000	511000	2.59114E-06	621250	514500	4.35275E-06
616000	513000	7.62948E-07	620000	511500	2.94505E-06	621500	511500	5.39088E-06
616000	514000	6.60271E-07	620000	512000	3.20386E-06	621500	512000	9.6024E-06
616000	515000	5.32837E-07	620000	512000	3.20386E-06	621500	512500	1.53336E-05
616000	516000	4.31414E-07	620000	512500	3.53575E-06	621500	512750	1.72202E-05
616000	517000	3.98656E-07	620000	513000	3.65171E-06	621500	513000	1.87931E-05
616000	518000	3.60595E-07	620000	513500	3.04832E-06	621500	513250	1.54422E-05
617000	511000	8.95316E-07	620000	514000	2.22538E-06	621500	513500	1.07685E-05
617000	512000	9.74931E-07	620000	514500	1.9323E-06	621500	513750	9.07033E-06
617000	513000	9.94935E-07	620000	515000	1.6729E-06	621500	514000	7.32481E-06
617000	514000	8.33891E-07	620000	516000	1.29851E-06	621500	514250	6.3707E-06
617000	515000	6.34175E-07	620000	517000	1.03828E-06	621500	514500	5.41484E-06
617000	516000	5.40324E-07	620000	518000	8.30467E-07	621500	515000	3.9188E-06
617000	517000	4.82641E-07	620500	511500	3.88737E-06	621750	512750	2.8424E-05
617000	518000	4.22509E-07	620500	512000	4.52033E-06	621750	512875	3.07609E-05
618000	511000	1.19839E-06	620500	512500	5.05713E-06	621750	513000	3.24695E-05
618000	512000	1.32642E-06	620500	513000	5.3647E-06	621750	513125	3.03413E-05
618000	513000	1.3746E-06	620500	513500	4.22179E-06	621750	513250	2.43076E-05
618000	514000	1.09639E-06	620500	514000	3.01536E-06	621750	513375	1.8902E-05
618000	515000	7.83224E-07	620500	514500	2.55831E-06	621750	513500	1.70163E-05
618000	516000	6.93658E-07	620500	515000	2.08865E-06	621750	513625	1.47505E-05
618000	517000	5.89939E-07	621000	511000	3.3565E-06	621750	513750	1.27859E-05
618000	518000	5.19037E-07	621000	511500	4.93917E-06	621750	514000	1.04193E-05
619000	511000	1.71543E-06	621000	512000	6.72086E-06	621750	514250	8.26388E-06
619000	511500	1.81258E-06	621000	512500	7.90443E-06	621750	514500	6.60682E-06
619000	512000	1.93991E-06	621000	512750	8.6756E-06	621875	512875	4.23439E-05
619000	512500	2.0515E-06	621000	513000	8.92565E-06	621875	513000	4.61813E-05
619000	513000	2.07535E-06	621000	513250	7.92656E-06	621875	513125	4.25594E-05
619000	513500	1.83931E-06	621000	513500	6.27147E-06	621875	513250	3.17021E-05
619000	514000	1.51869E-06	621000	513750	5.04767E-06	621875	513375	2.58172E-05
619000	514000	1.51869E-06	621000	514000	4.55047E-06	621875	513500	2.19532E-05
619000	514500	1.19256E-06	621000	514250	3.98453E-06	621875	513625	1.84426E-05
619000	515000	1.11282E-06	621000	514500	3.46916E-06	621875	513750	1.63436E-05
619000	516000	9.09592E-07	621000	515000	2.90131E-06	622000	511000	3.90598E-06
619000	517000	7.65918E-07	621000	516000	1.93432E-06	622000	511500	6.0264E-06
619000	518000	6.62318E-07	621000	517000	1.54528E-06	622000	512000	1.06371E-05
619500	511500	2.28253E-06	621000	518000	1.31365E-06	622000	512000	1.06371E-05
619500	512000	2.43379E-06	621250	512750	1.18411E-05	622000	512500	2.9667E-05
619500	512500	2.63275E-06	621250	513000	1.24253E-05	622000	512750	5.46185E-05
619500	513000	2.68309E-06	621250	513250	1.07154E-05	622000	512875	6.40969E-05
619500	513500	2.32149E-06	621250	513500	7.8571E-06	622000	513000	7.11461E-05
619500	514000	1.82763E-06	621250	513750	6.66539E-06	622000	513125	6.41711E-05
619500	514500	1.49816E-06	621250	514000	5.71785E-06	622000	513250	4.32096E-05
622000	513375	3.6501E-05	622250	514000	2.88749E-05	622345	513312	0.000249875
622000	513500	2.93167E-05	622250	514250	2.02999E-05	622345	513343	0.000219567

Table G-5

ISCLT2 Model Output - Toluene
Former General Instrument Corporation Site
Hicksville, New York

Toluene			Toluene			Toluene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622000	513625	2.48938E-05	622250	514500	1.5118E-05	622345	513374	0.000193016
622000	513750	2.06243E-05	622252	513064	0.000246937	622347	513236	0.000336412
622000	514000	1.42743E-05	622252	513126	0.000187753	622347	513251	0.000322753
622000	514250	1.23056E-05	622252	513188	0.000160963	622347	513266	0.00030667
622000	514500	1.03986E-05	622252	513250	0.00013722	622347	513281	0.000289613
622000	515000	7.38733E-06	622252	513312	0.000114362	622347	513296	0.000272496
622000	516000	4.22522E-06	622252	513374	9.20024E-05	622347	513311	0.000255861
622000	517000	2.77539E-06	622252	513436	7.62545E-05	622347	513326	0.000240003
622000	518000	1.99585E-06	622252	513498	7.10529E-05	622347	513341	0.000225076
622125	512875	0.000105381	622314	513064	0.000367704	622362	513236	0.000428325
622125	513000	0.000122493	622314	513126	0.000285152	622362	513251	0.000398105
622125	513125	0.000106044	622314	513157	0.00027081	622362	513266	0.000369042
622125	513250	7.21057E-05	622314	513188	0.000259776	622362	513281	0.000341705
622125	513375	5.461E-05	622314	513219	0.000234092	622362	513296	0.00031636
622125	513500	4.29308E-05	622314	513250	0.000204241	622362	513311	0.000293087
622125	513625	3.2775E-05	622314	513281	0.000180625	622362	513326	0.000271828
622125	513750	2.60741E-05	622314	513312	0.000175715	622362	513341	0.000252469
622128	513064	0.000125897	622314	513343	0.000164522	622375	512875	0.000213002
622128	513126	0.000107043	622314	513374	0.000151282	622375	513000	0.000633238
622128	513188	8.00893E-05	622314	513436	0.000125459	622375	513125	0.000679695
622128	513250	7.30675E-05	622314	513498	0.000103856	622375	513250	0.0004673
622128	513312	6.3238E-05	622317	513236	0.000222058	622375	513375	0.00023183
622128	513374	5.54148E-05	622317	513251	0.00020691	622375	513500	0.000134809
622128	513436	4.95315E-05	622317	513266	0.000192312	622375	513625	8.80706E-05
622128	513498	4.34928E-05	622317	513281	0.000190021	622375	513750	6.22949E-05
622190	513064	0.000174425	622317	513296	0.000187554	622376	513064	0.000152986
622190	513126	0.000141544	622317	513311	0.000183026	622376	513126	0.000697225
622190	513188	0.000111544	622317	513326	0.000177215	622376	513157	0.000834765
622190	513250	9.679E-05	622317	513341	0.00017066	622376	513188	0.00070276
622190	513312	8.31395E-05	622332	513236	0.000250046	622376	513219	0.00057609
622190	513374	7.2182E-05	622332	513251	0.000250772	622376	513250	0.000472458
622190	513436	6.1198E-05	622332	513266	0.000246321	622376	513281	0.000390293
622190	513498	5.16575E-05	622332	513281	0.000238705	622376	513312	0.000325638
622250	512750	8.09801E-05	622332	513296	0.000229289	622376	513343	0.000274703
622250	512875	0.000161453	622332	513311	0.00021896	622376	513374	0.000234277
622250	513000	0.000251206	622332	513326	0.000208297	622376	513436	0.000175626
622250	513125	0.000187213	622332	513341	0.000197672	622376	513498	0.000136345
622250	513250	0.00013538	622345	513157	0.000397761	622377	513236	0.000522707
622250	513375	9.10086E-05	622345	513188	0.000347169	622377	513251	0.000474572
622250	513500	6.98223E-05	622345	513219	0.000330999	622377	513266	0.00043177
622250	513625	5.59841E-05	622345	513250	0.000313801	622377	513281	0.000393732
622250	513750	4.41854E-05	622345	513281	0.000282732	622377	513296	0.000359938
622377	513311	0.000329918	622422	513266	0.000508478	622438	513294	0.000415475
622377	513326	0.000303213	622422	513281	0.000458176	622438	513312	0.000371067
622377	513341	0.000279415	622422	513296	0.000414577	622438	513343	0.000308967
622392	513236	0.000615744	622422	513311	0.00037663	622438	513374	0.000260746

Table G-5

ISCLT2 Model Output - Toluene
Former General Instrument Corporation Site
Hicksville, New York

Toluene			Toluene			Toluene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622392	513251	0.000549501	622422	513326	0.00034345	622438	513436	0.000192362
622392	513266	0.000492967	622422	513341	0.000314313	622438	513498	0.000147598
622392	513281	0.000444322	622424	513245	0.00059171	622445	513245	0.000573207
622392	513296	0.000402215	622424	513252	0.000561723	622445	513252	0.000545564
622392	513311	0.000365591	622424	513259	0.000533813	622445	513259	0.000519673
622392	513326	0.000333577	622424	513266	0.000507799	622445	513266	0.000495403
622392	513341	0.000305466	622424	513273	0.000483519	622445	513273	0.00047263
622407	513157	0.001378961	622424	513280	0.000460819	622445	513280	0.000451239
622407	513188	0.000977692	622424	513287	0.000439577	622445	513287	0.000431149
622407	513219	0.000736696	622424	513294	0.00041969	622445	513294	0.000412267
622407	513236	0.000640775	622431	513245	0.000586905	622447	513260	0.000514283
622407	513250	0.000574745	622431	513252	0.000557584	622447	513261	0.000510783
622407	513251	0.000570408	622431	513259	0.000530242	622447	513262	0.000507315
622407	513266	0.000510603	622431	513266	0.000504714	622447	513263	0.000503878
622407	513281	0.000459326	622431	513273	0.000480852	622447	513264	0.000500472
622407	513296	0.000415072	622431	513280	0.000458508	622447	513265	0.000497097
622407	513311	0.000376682	622431	513287	0.000437578	622447	513266	0.000493753
622407	513312	0.000374307	622431	513294	0.00041796	622447	513267	0.000490438
622407	513326	0.000343206	622437	513236	0.000621561	622448	513250	0.000549991
622407	513341	0.000313873	622437	513251	0.000556994	622448	513253	0.000538641
622407	513343	0.00031024	622437	513266	0.000501219	622448	513256	0.000527599
622407	513374	0.000260989	622437	513281	0.000452787	622448	513259	0.000516856
622410	513245	0.000596853	622437	513296	0.000410571	622448	513260	0.00051334
622410	513252	0.000565941	622437	513311	0.000373653	622448	513261	0.000509856
622410	513259	0.000537261	622437	513326	0.000341243	622448	513262	0.000506403
622410	513266	0.000510602	622437	513341	0.000312687	622448	513263	0.000502981
622410	513273	0.000485781	622438	513064	0.001296414	622448	513264	0.00049959
622410	513280	0.000462624	622438	513126	0.001063957	622448	513265	0.00049623
622410	513287	0.000441003	622438	513157	0.001096426	622448	513266	0.000492899
622410	513294	0.000420792	622438	513188	0.000908911	622448	513267	0.000489599
622417	513245	0.000595044	622438	513219	0.000706034	622448	513268	0.000486328
622417	513252	0.000564523	622438	513245	0.000580706	622448	513271	0.000476685
622417	513259	0.000536165	622438	513250	0.000560127	622449	513260	0.000512377
622417	513266	0.000509772	622438	513252	0.000552172	622449	513261	0.000508908
622417	513273	0.000485171	622438	513259	0.000525507	622449	513262	0.000505471
622417	513280	0.000462198	622438	513266	0.000500563	622449	513263	0.000502064
622417	513287	0.000440726	622438	513273	0.000477208	622449	513264	0.000498689
622417	513294	0.00042064	622438	513280	0.000455301	622449	513265	0.000495343
622422	513236	0.000635027	622438	513281	0.000452285	622449	513266	0.000492027
622422	513251	0.000566836	622438	513287	0.000434756	622449	513267	0.000488741
622450	513260	0.000511394	622453	513259	0.000511763	622457	513259	0.000507348
622450	513261	0.000507941	622453	513260	0.00050833	622457	513260	0.000503985
622450	513262	0.00050452	622453	513261	0.000504927	622457	513261	0.000500651
622450	513263	0.000501129	622453	513262	0.000501554	622457	513262	0.000497346
622450	513264	0.000497768	622453	513263	0.000498211	622457	513263	0.000494069
622450	513265	0.000494438	622453	513264	0.000494897	622457	513264	0.000490821

Table G-5

ISCLT2 Model Output - Toluene
Former General Instrument Corporation Site
Hicksville, New York

Toluene			Toluene			Toluene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622450	513266	0.000491137	622453	513265	0.000491613	622457	513265	0.0004876
622450	513267	0.000487865	622453	513266	0.000488357	622457	513266	0.000484405
622451	513250	0.000546505	622453	513267	0.000485129	622457	513267	0.000481236
622451	513253	0.000535327	622454	513250	0.000542829	622457	513268	0.000478095
622451	513256	0.000524448	622454	513253	0.000531828	622457	513271	0.000468834
622451	513259	0.000513858	622454	513256	0.000521117	622458	513259	0.0005062
622451	513260	0.000510391	622454	513259	0.000510687	622458	513260	0.000502855
622451	513261	0.000506955	622454	513260	0.000507271	622458	513261	0.000499538
622451	513262	0.00050355	622454	513261	0.000503885	622458	513262	0.00049625
622451	513263	0.000500175	622454	513262	0.000500529	622458	513263	0.00049299
622451	513264	0.00049683	622454	513263	0.000497202	622458	513264	0.000489758
622451	513265	0.000493514	622454	513264	0.000493904	622458	513265	0.000486554
622451	513266	0.000490228	622454	513265	0.000490635	622458	513266	0.000483374
622451	513267	0.000486971	622454	513266	0.000487395	622458	513267	0.000480221
622451	513268	0.000483742	622454	513267	0.000484182	622459	513245	0.000554751
622451	513271	0.000474219	622454	513268	0.000480995	622459	513252	0.000529142
622452	513236	0.000601383	622454	513271	0.0004716	622459	513259	0.000505034
622452	513245	0.000564516	622455	513259	0.000509592	622459	513260	0.000501707
622452	513251	0.00054156	622455	513260	0.000506194	622459	513261	0.000498408
622452	513252	0.000537854	622455	513261	0.000502825	622459	513262	0.000495137
622452	513259	0.00051282	622455	513262	0.000499485	622459	513263	0.000491895
622452	513260	0.00050937	622455	513263	0.000496175	622459	513264	0.00048868
622452	513261	0.00050595	622455	513264	0.000492894	622459	513265	0.00048549
622452	513262	0.000502561	622455	513265	0.000489641	622459	513266	0.000482327
622452	513263	0.000499202	622455	513266	0.000486416	622459	513267	0.000479191
622452	513264	0.000495872	622455	513267	0.000483217	622459	513273	0.000460926
622452	513265	0.000492572	622456	513259	0.000508479	622459	513280	0.000440761
622452	513266	0.000489301	622456	513260	0.000505098	622459	513287	0.000421755
622452	513267	0.000486059	622456	513261	0.000501747	622459	513294	0.000403835
622452	513273	0.000467181	622456	513262	0.000498424	622460	513250	0.000534939
622452	513280	0.000446374	622456	513263	0.000495131	622460	513253	0.000524309
622452	513281	0.000443504	622456	513264	0.000491866	622460	513256	0.000513949
622452	513287	0.000426799	622456	513265	0.000488629	622460	513259	0.000503851
622452	513294	0.000408373	622456	513266	0.000485419	622460	513260	0.000500542
622452	513296	0.000403308	622456	513267	0.000482235	622460	513261	0.000497261
622452	513311	0.000367939	622457	513250	0.00053897	622460	513262	0.000494008
622452	513326	0.000336728	622457	513253	0.000528153	622460	513263	0.000490783
622452	513341	0.000309106	622457	513256	0.000517615	622460	513264	0.000487585
622460	513265	0.000484411	622466	513273	0.000453934	622475	513253	0.000491642
622460	513266	0.000481264	622466	513280	0.00043446	622475	513256	0.000484706
622460	513268	0.00047505	622466	513287	0.00041607	622475	513259	0.000477809
622460	513271	0.000465925	622466	513294	0.0003987	622475	513262	0.000470955
622461	513259	0.000502651	622467	513236	0.000563056	622475	513265	0.000464158
622461	513260	0.00049936	622467	513251	0.000521489	622475	513268	0.000457424
622461	513261	0.000496097	622467	513266	0.000473392	622475	513271	0.000449463
622461	513262	0.000492862	622467	513281	0.000430829	622478	513250	0.000488793

Table G-5

ISCLT2 Model Output - Toluene
Former General Instrument Corporation Site
Hicksville, New York

Toluene			Toluene			Toluene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622461	513263	0.000489654	622467	513296	0.000393157	622478	513253	0.000482162
622461	513264	0.000486472	622467	513311	0.000359766	622478	513256	0.000475553
622461	513265	0.000483315	622467	513326	0.000330115	622478	513259	0.000468967
622461	513266	0.000480185	622467	513341	0.00030373	622478	513262	0.000462417
622462	513259	0.000501434	622469	513157	0.00066632	622478	513265	0.000455913
622462	513260	0.000498162	622469	513188	0.000665152	622478	513268	0.00044946
622462	513261	0.000494918	622469	513219	0.000599001	622478	513271	0.000443064
622462	513262	0.0004917	622469	513250	0.000518607	622480	513245	0.000493003
622462	513263	0.00048851	622469	513253	0.000510927	622480	513252	0.000478041
622462	513264	0.000485344	622469	513256	0.000502046	622480	513259	0.000463125
622462	513265	0.000482204	622469	513259	0.000492476	622480	513266	0.000448365
622462	513266	0.00047909	622469	513262	0.00048313	622480	513273	0.000433856
622463	513250	0.000530743	622469	513265	0.000474004	622480	513280	0.00041966
622463	513253	0.000520305	622469	513268	0.000465099	622480	513287	0.000403001
622463	513256	0.000510126	622469	513271	0.000456408	622480	513294	0.000386834
622463	513259	0.000500201	622469	513281	0.000428914	622481	513250	0.000479098
622463	513260	0.000496948	622469	513312	0.000356438	622481	513253	0.000472796
622463	513261	0.000493722	622469	513343	0.000299616	622481	513256	0.000466502
622463	513262	0.000490522	622469	513374	0.000254665	622481	513259	0.00046022
622463	513263	0.000487349	622472	513250	0.00050855	622481	513262	0.000453966
622463	513264	0.0004842	622472	513253	0.000501231	622481	513265	0.000447747
622463	513265	0.000481077	622472	513256	0.000493959	622481	513268	0.000441568
622463	513266	0.00047798	622472	513259	0.000486742	622481	513271	0.000435437
622463	513268	0.000471864	622472	513262	0.000479239	622482	513236	0.00050457
622463	513271	0.000462881	622472	513265	0.000470279	622482	513251	0.000473829
622466	513245	0.000542344	622472	513268	0.000461532	622482	513266	0.000443009
622466	513250	0.000526392	622472	513271	0.000452991	622482	513281	0.000413134
622466	513252	0.000519535	622473	513245	0.000517298	622482	513296	0.000380568
622466	513253	0.000516149	622473	513252	0.000500419	622482	513311	0.000349475
622466	513256	0.000506156	622473	513259	0.000483755	622482	513326	0.000321666
622466	513259	0.000496407	622473	513266	0.00046609	622482	513341	0.000296763
622466	513262	0.000486894	622473	513273	0.000446278	622484	513250	0.000469529
622466	513265	0.000477606	622473	513280	0.000427535	622484	513253	0.000463546
622466	513266	0.000474561	622473	513287	0.0004098	622484	513256	0.000457556
622466	513268	0.000468545	622473	513294	0.000393016	622484	513259	0.000451571
622466	513271	0.000459706	622475	513250	0.000498611	622484	513262	0.000445605
622484	513265	0.000439662	622500	513375	0.000242527	622624	513281	0.000184568
622484	513268	0.000433751	622500	513436	0.000184205	622624	513312	0.000168284
622484	513271	0.000427877	622500	513498	0.000143513	622624	513343	0.000161147
622487	513245	0.000469496	622500	513500	0.000142428	622624	513374	0.000152104
622487	513252	0.000456308	622500	513625	9.29959E-05	622624	513436	0.00013239
622487	513259	0.000443023	622500	513750	6.55559E-05	622624	513498	0.000113804
622487	513266	0.000429776	622500	514000	3.79481E-05	622625	512875	0.000146866
622487	513273	0.000416657	622500	514250	2.50207E-05	622625	513000	0.000208327
622487	513280	0.000403741	622500	514500	1.79078E-05	622625	513125	0.000263725
622487	513287	0.000391081	622500	515000	1.06834E-05	622625	513250	0.000203266

Table G-5

ISCLT2 Model Output - Toluene
Former General Instrument Corporation Site
Hicksville, New York

Toluene			Toluene			Toluene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622487	513294	0.000378719	622531	513157	0.000452076	622625	513375	0.000151122
622494	513245	0.000446805	622531	513188	0.000396897	622625	513500	0.00011292
622494	513252	0.000435246	622531	513219	0.000352765	622625	513625	8.35238E-05
622494	513259	0.000423482	622531	513250	0.000337361	622625	513750	6.14119E-05
622494	513266	0.000411645	622531	513281	0.000310774	622655	513157	0.000214575
622494	513273	0.000399835	622531	513312	0.000280837	622655	513188	0.000204533
622494	513280	0.000388127	622531	513343	0.000251518	622655	513219	0.000192637
622494	513287	0.000376584	622531	513374	0.00022455	622655	513250	0.000178859
622494	513294	0.000365251	622562	513064	0.000398266	622655	513281	0.000164289
622497	513236	0.000450761	622562	513126	0.000401921	622655	513312	0.00014977
622497	513251	0.000428009	622562	513157	0.0003737	622655	513343	0.000137666
622497	513266	0.000404023	622562	513188	0.000337832	622655	513374	0.000132248
622497	513281	0.000379944	622562	513219	0.000299979	622686	513064	0.000177453
622497	513296	0.000356467	622562	513250	0.000268719	622686	513126	0.000184748
622497	513311	0.00033401	622562	513281	0.000256249	622686	513157	0.000181744
622497	513326	0.00031167	622562	513312	0.00023819	622686	513188	0.00017507
622497	513341	0.000288429	622562	513343	0.000218277	622686	513219	0.000166628
622500	511500	7.05221E-06	622562	513374	0.000198565	622686	513250	0.000156839
622500	512000	1.39592E-05	622562	513436	0.00016323	622686	513281	0.000146039
622500	512500	4.3453E-05	622562	513498	0.000133532	622686	513312	0.000134896
622500	512750	0.000118063	622593	513157	0.000308313	622686	513343	0.000123897
622500	512875	0.000241417	622593	513188	0.000285416	622686	513374	0.000114697
622500	513000	0.000526361	622593	513219	0.000259391	622686	513436	0.00010549
622500	513064	0.000693118	622593	513250	0.000232475	622686	513498	9.4501E-05
622500	513125	0.00063593	622593	513281	0.00021012	622748	513064	0.000129708
622500	513126	0.000632709	622593	513312	0.00020064	622748	513126	0.000135171
622500	513157	0.000539564	622593	513343	0.000188027	622748	513188	0.000131473
622500	513188	0.000475617	622593	513374	0.00017427	622748	513250	0.000121716
622500	513219	0.000460976	622624	513064	0.000256466	622748	513312	0.000109264
622500	513250	0.00042072	622624	513126	0.000265217	622748	513374	9.55982E-05
622500	513281	0.000373483	622624	513157	0.000255976	622748	513436	8.32692E-05
622500	513312	0.000327829	622624	513188	0.000241119	622748	513498	7.7617E-05
622500	513343	0.000283739	622624	513219	0.000223458	622750	512750	6.70937E-05
622500	513374	0.000243687	622624	513250	0.000204131	622750	512875	8.75464E-05
622750	513000	0.000114848	623000	513500	4.27042E-05	623750	513250	1.32672E-05
622750	513125	0.000133899	623000	513625	3.62052E-05	623750	513500	1.30519E-05
622750	513250	0.000120757	623000	513750	3.19518E-05	623750	513750	1.21285E-05
622750	513375	9.48485E-05	623000	514000	2.55839E-05	623750	514000	1.08629E-05
622750	513500	7.69139E-05	623000	514250	2.00532E-05	623750	514250	9.4626E-06
622750	513625	6.36266E-05	623000	514500	1.59054E-05	623750	514500	8.3264E-06
622750	513750	5.17395E-05	623000	515000	1.01826E-05	624000	511000	3.57543E-06
622750	514000	3.45772E-05	623000	516000	5.2515E-06	624000	511500	4.50912E-06
622750	514250	2.38429E-05	623000	517000	3.27363E-06	624000	512000	5.83238E-06
622750	514500	1.74567E-05	623000	518000	2.27957E-06	624000	512000	5.83238E-06
622810	513064	9.8948E-05	623125	512875	3.12066E-05	624000	512500	7.24839E-06
622810	513126	0.000103001	623125	513000	3.57432E-05	624000	512750	8.45586E-06

Table G-5

ISCLT2 Model Output - Toluene
Former General Instrument Corporation Site
Hicksville, New York

Toluene			Toluene			Toluene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622810	513188	0.000101768	623125	513125	3.84357E-05	624000	513000	9.35252E-06
622810	513250	9.60831E-05	623125	513250	3.87304E-05	624000	513250	9.88918E-06
622810	513312	8.90143E-05	623125	513375	3.65541E-05	624000	513500	9.88614E-06
622810	513374	8.03662E-05	623125	513500	3.35208E-05	624000	513750	9.39645E-06
622810	513436	7.14024E-05	623125	513625	2.97241E-05	624000	514000	8.73235E-06
622810	513498	6.33703E-05	623125	513750	2.58689E-05	624000	514250	7.88801E-06
622872	513064	7.80498E-05	623250	512750	2.1054E-05	624000	514500	7.01182E-06
622872	513126	8.10967E-05	623250	512875	2.45641E-05	624000	515000	5.87819E-06
622872	513188	8.09142E-05	623250	513000	2.73325E-05	624000	516000	4.17397E-06
622872	513250	7.78062E-05	623250	513125	2.90742E-05	624000	517000	2.99577E-06
622872	513312	7.32699E-05	623250	513250	2.95353E-05	624000	518000	2.17386E-06
622872	513374	6.77827E-05	623250	513375	2.85341E-05	624500	511500	3.46891E-06
622872	513436	6.16662E-05	623250	513500	2.67592E-05	624500	512000	4.08626E-06
622872	513498	5.55067E-05	623250	513625	2.45227E-05	624500	512500	5.00122E-06
622875	512875	5.57695E-05	623250	513750	2.20214E-05	624500	513000	5.92309E-06
622875	513000	7.16865E-05	623250	514000	1.79141E-05	624500	513500	6.28764E-06
622875	513125	8.01969E-05	623250	514250	1.54457E-05	624500	514000	5.91857E-06
622875	513250	7.70511E-05	623250	514500	1.30398E-05	624500	514500	5.217E-06
622875	513375	6.71427E-05	623500	511500	6.09254E-06	624500	515000	4.38901E-06
622875	513500	5.49769E-05	623500	512000	8.62469E-06	625000	511000	2.33988E-06
622875	513625	4.69587E-05	623500	512500	1.22782E-05	625000	511500	2.69866E-06
622875	513750	4.09871E-05	623500	512750	1.4809E-05	625000	512000	2.99985E-06
623000	511000	4.78177E-06	623500	513000	1.76481E-05	625000	512500	3.66785E-06
623000	511500	7.62028E-06	623500	513250	1.89235E-05	625000	513000	4.15258E-06
623000	512000	1.32557E-05	623500	513500	1.806E-05	625000	513500	4.39831E-06
623000	512500	2.5345E-05	623500	513750	1.61238E-05	625000	514000	4.28782E-06
623000	512750	3.50268E-05	623500	514000	1.36823E-05	625000	514500	3.96662E-06
623000	512875	4.08812E-05	623500	514250	1.16767E-05	625000	515000	3.52734E-06
623000	513000	4.90066E-05	623500	514500	1.04695E-05	625000	515000	3.52734E-06
623000	513125	5.35239E-05	623500	515000	8.09511E-06	625000	516000	2.76524E-06
623000	513250	5.30943E-05	623750	512750	1.09571E-05	625000	517000	2.27664E-06
623000	513375	4.87097E-05	623750	513000	1.24665E-05	625000	518000	1.85151E-06
626000	511000	1.61093E-06						
626000	512000	1.99418E-06						
626000	513000	2.43411E-06						
626000	514000	2.57244E-06						
626000	515000	2.35538E-06						
626000	516000	1.98805E-06						
626000	517000	1.67418E-06						
626000	518000	1.47059E-06						
627000	511000	1.16202E-06						
627000	512000	1.42426E-06						
627000	513000	1.63904E-06						
627000	514000	1.73777E-06						
627000	515000	1.66863E-06						
627000	516000	1.51309E-06						

Table G-5

ISCLT2 Model Output - Toluene
Former General Instrument Corporation Site
Hicksville, New York

Toluene			Toluene			Toluene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
627000	517000	1.31499E-06						
627000	518000	1.15288E-06						
628000	511000	9.08135E-07						
628000	512000	1.07749E-06						
628000	513000	1.19998E-06						
628000	514000	1.26953E-06						
628000	515000	1.25362E-06						
628000	516000	1.18017E-06						
628000	517000	1.07253E-06						
628000	518000	9.53509E-07						
Maximum =		1.38E-03						

Table G-6

ISCLT2 Model Output - 1,1,1-Trichloroethane
Former General Instrument Corporation Site
Hicksville, New York

1,1,1-Trichloroethane			1,1,1-Trichloroethane			1,1,1-Trichloroethane		
<u>UTME</u>	<u>UTMN</u>	<u>Impact (µg/m³)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact (µg/m³)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact (µg/m³)</u>
616000	511000	1.7056E-06	620000	511500	7.06813E-06	621500	512500	3.68007E-05
616000	512000	1.80941E-06	620000	512000	7.68927E-06	621500	512750	4.13286E-05
616000	513000	1.83108E-06	620000	512500	8.48581E-06	621500	513000	4.51034E-05
616000	514000	1.58465E-06	620000	513000	8.76411E-06	621500	513250	3.70612E-05
616000	515000	1.27881E-06	620000	513500	7.31598E-06	621500	513500	2.58445E-05
616000	516000	1.03539E-06	620000	514000	5.34091E-06	621500	513500	2.58445E-05
616000	517000	9.56775E-07	620000	514500	4.63753E-06	621500	513750	2.17688E-05
616000	518000	8.65429E-07	620000	515000	4.01495E-06	621500	514000	1.75795E-05
617000	511000	2.14876E-06	620000	516000	3.11642E-06	621500	514250	1.52897E-05
617000	512000	2.33983E-06	620000	517000	2.49188E-06	621500	514500	1.29956E-05
617000	513000	2.38784E-06	620000	518000	1.99312E-06	621500	515000	9.40511E-06
617000	514000	2.00134E-06	620500	511500	9.3297E-06	621750	512750	6.82177E-05
617000	515000	1.52202E-06	620500	512000	1.08488E-05	621750	512875	7.38262E-05
617000	516000	1.29678E-06	620500	512500	1.21371E-05	621750	513000	7.79268E-05
617000	517000	1.15834E-06	620500	513000	1.28753E-05	621750	513125	7.28192E-05
617000	518000	1.01402E-06	620500	513500	1.01323E-05	621750	513250	5.83382E-05
618000	511000	2.87613E-06	620500	514000	7.23686E-06	621750	513375	4.53648E-05
618000	512000	3.18341E-06	620500	514500	6.13994E-06	621750	513500	4.08391E-05
618000	513000	3.29903E-06	620500	515000	5.01277E-06	621750	513625	3.54011E-05
618000	514000	2.63134E-06	621000	511000	8.0556E-06	621750	513750	3.06862E-05
618000	515000	1.87974E-06	621000	511500	1.1854E-05	621750	514000	2.50064E-05
618000	516000	1.66478E-06	621000	512000	1.61301E-05	621750	514250	1.98333E-05
618000	517000	1.41585E-06	621000	512500	1.89706E-05	621750	514500	1.58564E-05
618000	518000	1.24569E-06	621000	512750	2.08214E-05	621875	512875	0.000101625
619000	511000	4.11703E-06	621000	513000	2.14216E-05	621875	513000	0.000110835
619000	511500	4.35018E-06	621000	513250	1.90237E-05	621875	513125	0.000102142
619000	512000	4.65579E-06	621000	513500	1.50515E-05	621875	513250	7.60851E-05
619000	512500	4.92359E-06	621000	513750	1.21144E-05	621875	513375	6.19613E-05
619000	513000	4.98085E-06	621000	514000	1.09211E-05	621875	513500	5.26878E-05
619000	513500	4.41434E-06	621000	514250	9.56287E-06	621875	513625	4.42623E-05
619000	514000	3.64486E-06	621000	514500	8.32599E-06	621875	513750	3.92247E-05
619000	514500	2.86215E-06	621000	515000	6.96315E-06	622000	511000	9.37435E-06
619000	515000	2.67077E-06	621000	516000	4.64237E-06	622000	511500	1.44634E-05
619000	516000	2.18302E-06	621000	517000	3.70868E-06	622000	512000	2.55291E-05
619000	517000	1.8382E-06	621000	518000	3.15275E-06	622000	512500	7.12008E-05
619000	518000	1.58956E-06	621250	512750	2.84187E-05	622000	512750	0.000131084
619500	511500	5.47808E-06	621250	513000	2.98208E-05	622000	512875	0.000153833
619500	512000	5.84109E-06	621250	513250	2.57169E-05	622000	513000	0.000170751
619500	512500	6.3186E-06	621250	513500	1.8857E-05	622000	513125	0.000154011
619500	513000	6.43942E-06	621250	513750	1.59969E-05	622000	513250	0.000103703
619500	513500	5.57157E-06	621250	514000	1.37229E-05	622000	513375	8.76025E-05
619500	514000	4.3863E-06	621250	514250	1.15933E-05	622000	513500	7.036E-05
619500	514500	3.59559E-06	621250	514500	1.04466E-05	622000	513625	5.9745E-05
619500	515000	3.25385E-06	621500	511500	1.29381E-05	622000	513750	4.94983E-05
620000	511000	6.21873E-06	621500	512000	2.30458E-05	622000	514000	3.42583E-05
622000	514250	2.95335E-05	622252	513250	0.000329328	622347	513296	0.00065399
622000	514500	2.49566E-05	622252	513312	0.000274468	622347	513311	0.000614065

Table G-6

**ISCLT2 Model Output - 1,1,1-Trichloroethane
Former General Instrument Corporation Site
Hicksville, New York**

1,1,1-Trichloroethane			1,1,1-Trichloroethane			1,1,1-Trichloroethane		
<u>UTME</u>	<u>UTMN</u>	<u>Impact (µg/m³)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact (µg/m³)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact (µg/m³)</u>
622000	515000	1.77296E-05	622252	513374	0.000220806	622347	513326	0.000576008
622000	516000	1.01405E-05	622252	513436	0.000183011	622347	513341	0.000540182
622000	517000	6.66094E-06	622252	513498	0.000170527	622362	513236	0.001027979
622000	518000	4.79005E-06	622314	513064	0.000882489	622362	513251	0.000955453
622125	512875	0.000252914	622314	513126	0.000684364	622362	513266	0.000885701
622125	513000	0.000293983	622314	513157	0.000649944	622362	513281	0.000820093
622125	513125	0.000254505	622314	513188	0.000623463	622362	513296	0.000759265
622125	513250	0.000173054	622314	513219	0.000561821	622362	513311	0.000703409
622125	513375	0.000131064	622314	513250	0.000490178	622362	513326	0.000652387
622125	513500	0.000103034	622314	513281	0.000433499	622362	513341	0.000605924
622125	513625	7.866E-05	622314	513312	0.000421717	622375	512875	0.000511205
622125	513750	6.25778E-05	622314	513343	0.000394853	622375	513000	0.001519771
622128	513064	0.000302153	622314	513374	0.000363076	622375	513125	0.001631268
622128	513126	0.000256902	622314	513436	0.000301101	622375	513250	0.001121521
622128	513188	0.000192214	622314	513498	0.000249255	622375	513375	0.000556391
622128	513250	0.000175362	622317	513236	0.00053294	622375	513500	0.000323543
622128	513312	0.000151771	622317	513251	0.000496584	622375	513625	0.000211369
622128	513374	0.000132996	622317	513266	0.000461549	622375	513750	0.000149508
622128	513436	0.000118876	622317	513281	0.000456051	622376	513064	0.000367166
622128	513498	0.000104383	622317	513296	0.00045013	622376	513126	0.00167334
622190	513064	0.000418621	622317	513311	0.000439262	622376	513157	0.002003436
622190	513126	0.000339705	622317	513326	0.000425315	622376	513188	0.001686625
622190	513188	0.000267706	622317	513341	0.000409583	622376	513219	0.001382617
622190	513250	0.000232296	622332	513236	0.000600111	622376	513250	0.001133898
622190	513312	0.000199535	622332	513251	0.000601852	622376	513281	0.000936703
622190	513374	0.000173237	622332	513266	0.00059117	622376	513312	0.000781531
622190	513436	0.000146875	622332	513281	0.000572893	622376	513343	0.000659287
622190	513498	0.000123978	622332	513296	0.000550294	622376	513374	0.000562266
622250	512750	0.000194352	622332	513311	0.000525505	622376	513436	0.000421502
622250	512875	0.000387487	622332	513326	0.000499913	622376	513498	0.000327229
622250	513000	0.000602895	622332	513341	0.000474413	622377	513236	0.001254497
622250	513125	0.000449312	622345	513157	0.000954625	622377	513251	0.001138974
622250	513250	0.000324911	622345	513188	0.000833205	622377	513266	0.001036248
622250	513375	0.000218421	622345	513219	0.000794398	622377	513281	0.000944957
622250	513500	0.000167574	622345	513250	0.000753122	622377	513296	0.000863852
622250	513625	0.000134362	622345	513281	0.000678556	622377	513311	0.000791803
622250	513750	0.000106045	622345	513312	0.000599699	622377	513326	0.000727711
622250	514000	6.92996E-05	622345	513343	0.000526961	622377	513341	0.000670595
622250	514250	4.87197E-05	622345	513374	0.000463238	622392	513236	0.001477785
622250	514500	3.62831E-05	622347	513236	0.000807388	622392	513251	0.001318801
622252	513064	0.000592649	622347	513251	0.000774607	622392	513266	0.00118312
622252	513126	0.000450608	622347	513266	0.000736008	622392	513281	0.001066374
622252	513188	0.00038631	622347	513281	0.000695071	622392	513296	0.000965317
622392	513311	0.000877418	622424	513266	0.001218717	622445	513273	0.001134312
622392	513326	0.000800585	622424	513273	0.001160446	622445	513280	0.001082974
622392	513341	0.000733118	622424	513280	0.001105965	622445	513287	0.001034757
622407	513157	0.003309507	622424	513287	0.001054986	622445	513294	0.00098944

Table G-6

**ISCLT2 Model Output - 1,1,1-Trichloroethane
Former General Instrument Corporation Site
Hicksville, New York**

1,1,1-Trichloroethane			1,1,1-Trichloroethane			1,1,1-Trichloroethane		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622407	513188	0.002346461	622424	513294	0.001007256	622447	513260	0.00123428
622407	513219	0.001768069	622431	513245	0.001408573	622447	513261	0.00122588
622407	513236	0.00153786	622431	513252	0.001338202	622447	513262	0.001217556
622407	513250	0.001379388	622431	513259	0.001272582	622447	513263	0.001209308
622407	513251	0.00136898	622431	513266	0.001211314	622447	513264	0.001201134
622407	513266	0.001225447	622431	513273	0.001154044	622447	513265	0.001193034
622407	513281	0.001102383	622431	513280	0.001100419	622447	513266	0.001185007
622407	513296	0.000996173	622431	513287	0.001050187	622447	513267	0.001177052
622407	513311	0.000904037	622431	513294	0.001003104	622448	513250	0.001319978
622407	513312	0.000898337	622437	513236	0.001491747	622448	513253	0.001292738
622407	513326	0.000823693	622437	513251	0.001336786	622448	513256	0.001266237
622407	513341	0.000753295	622437	513266	0.001202927	622448	513259	0.001240455
622407	513343	0.000744575	622437	513281	0.001086689	622448	513260	0.001232016
622407	513374	0.000626373	622437	513296	0.000985371	622448	513261	0.001223653
622410	513245	0.001432447	622437	513311	0.000896767	622448	513262	0.001215366
622410	513252	0.001358258	622437	513326	0.000818984	622448	513263	0.001207154
622410	513259	0.001289426	622437	513341	0.000750449	622448	513264	0.001199016
622410	513266	0.001225445	622438	513064	0.003111393	622448	513265	0.001190951
622410	513273	0.001165875	622438	513126	0.002553497	622448	513266	0.001182958
622410	513280	0.001110298	622438	513157	0.002631422	622448	513267	0.001175038
622410	513287	0.001058407	622438	513188	0.002181386	622448	513268	0.001167187
622410	513294	0.001009902	622438	513219	0.001694481	622448	513271	0.001144044
622417	513245	0.001428106	622438	513245	0.001393695	622449	513260	0.001229704
622417	513252	0.001354856	622438	513250	0.001344304	622449	513261	0.00122138
622417	513259	0.001286796	622438	513252	0.001325212	622449	513262	0.00121313
622417	513266	0.001223453	622438	513259	0.001261216	622449	513263	0.001204955
622417	513273	0.001164411	622438	513266	0.001201352	622449	513264	0.001196853
622417	513280	0.001109275	622438	513273	0.001145299	622449	513265	0.001188823
622417	513287	0.001057742	622438	513280	0.001092721	622449	513266	0.001180865
622417	513294	0.001009536	622438	513281	0.001085483	622449	513267	0.001172978
622422	513236	0.001524065	622438	513287	0.001043415	622450	513260	0.001227345
622422	513251	0.001360406	622438	513294	0.00099714	622450	513261	0.001219059
622422	513266	0.001220347	622438	513312	0.00089056	622450	513262	0.001210848
622422	513281	0.001099623	622438	513343	0.000741521	622450	513263	0.00120271
622422	513296	0.000994984	622438	513374	0.00062579	622450	513264	0.001194644
622422	513311	0.000903913	622438	513436	0.00046167	622450	513265	0.00118665
622422	513326	0.000824281	622438	513498	0.000354236	622450	513266	0.001178728
622422	513341	0.000754352	622445	513245	0.001375696	622450	513267	0.001170876
622424	513245	0.001420105	622445	513252	0.001309354	622451	513250	0.001311612
622424	513252	0.001348134	622445	513259	0.001247216	622451	513253	0.001284785
622424	513259	0.001281151	622445	513266	0.001188968	622451	513256	0.001258674
622451	513259	0.00123326	622454	513259	0.001225648	622458	513261	0.001198891
622451	513260	0.001224939	622454	513260	0.00121745	622458	513262	0.001191
622451	513261	0.001216693	622454	513261	0.001209324	622458	513263	0.001183177
622451	513262	0.00120852	622454	513262	0.001201269	622458	513264	0.00117542
622451	513263	0.001200419	622454	513263	0.001193285	622458	513265	0.001167729
622451	513264	0.001192391	622454	513264	0.00118537	622458	513266	0.001160097

Table G-6

ISCLT2 Model Output - 1,1,1-Trichloroethane
Former General Instrument Corporation Site
Hicksville, New York

1,1,1-Trichloroethane			1,1,1-Trichloroethane			1,1,1-Trichloroethane		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622451	513265	0.001184434	622454	513265	0.001177525	622458	513267	0.001152532
622451	513266	0.001176547	622454	513266	0.001169748	622459	513245	0.001331403
622451	513267	0.00116873	622454	513267	0.001162036	622459	513252	0.001269941
622451	513268	0.00116098	622454	513268	0.001154387	622459	513259	0.001212081
622451	513271	0.001138126	622454	513271	0.001131841	622459	513260	0.001204096
622452	513236	0.00144332	622455	513259	0.001223021	622459	513261	0.001196179
622452	513245	0.001354837	622455	513260	0.001214864	622459	513262	0.00118833
622452	513251	0.001299745	622455	513261	0.00120678	622459	513263	0.001180547
622452	513252	0.00129085	622455	513262	0.001198765	622459	513264	0.001172831
622452	513259	0.001230768	622455	513263	0.00119082	622459	513265	0.001165177
622452	513260	0.001222488	622455	513264	0.001182945	622459	513266	0.001157584
622452	513261	0.001214281	622455	513265	0.001175137	622459	513267	0.001150057
622452	513262	0.001206147	622455	513266	0.001167398	622459	513273	0.001106221
622452	513263	0.001198085	622455	513267	0.00115972	622459	513280	0.001057826
622452	513264	0.001190094	622456	513259	0.00122035	622459	513287	0.001012212
622452	513265	0.001182174	622456	513260	0.001212236	622459	513294	0.000969204
622452	513266	0.001174323	622456	513261	0.001204192	622460	513250	0.001283854
622452	513267	0.001166541	622456	513262	0.001196218	622460	513253	0.001258341
622452	513273	0.001121234	622456	513263	0.001188313	622460	513256	0.001233476
622452	513280	0.001071298	622456	513264	0.001180477	622460	513259	0.001209241
622452	513281	0.00106441	622456	513265	0.001172709	622460	513260	0.0012013
622452	513287	0.001024317	622456	513266	0.001165005	622460	513261	0.001193426
622452	513294	0.000980094	622456	513267	0.001157364	622460	513262	0.001185619
622452	513296	0.000967939	622457	513250	0.001293529	622460	513263	0.001177879
622452	513311	0.000883053	622457	513253	0.001267567	622460	513264	0.001170203
622452	513326	0.000808147	622457	513256	0.001242275	622460	513265	0.001162586
622452	513341	0.000741853	622457	513259	0.001217636	622460	513266	0.001155033
622453	513259	0.00122823	622457	513260	0.001209564	622460	513268	0.001140119
622453	513260	0.001219991	622457	513261	0.001201563	622460	513271	0.001118221
622453	513261	0.001211825	622457	513262	0.00119363	622461	513259	0.001206361
622453	513262	0.00120373	622457	513263	0.001185766	622461	513260	0.001198465
622453	513263	0.001195706	622457	513264	0.001177969	622461	513261	0.001190634
622453	513264	0.001187754	622457	513265	0.001170239	622461	513262	0.001182869
622453	513265	0.00117987	622457	513266	0.001162571	622461	513263	0.00117517
622453	513266	0.001172056	622457	513267	0.001154967	622461	513264	0.001167533
622453	513267	0.001164311	622457	513268	0.001147429	622461	513265	0.001159956
622454	513250	0.001302789	622457	513271	0.001125201	622461	513266	0.001152444
622454	513253	0.001276388	622458	513259	0.001214879	622462	513259	0.001203442
622454	513256	0.001250681	622458	513260	0.001206851	622462	513260	0.001195589
622462	513261	0.001187802	622469	513250	0.001244657	622480	513252	0.001147298
622462	513262	0.001180081	622469	513253	0.001226226	622480	513259	0.0011115
622462	513263	0.001172424	622469	513256	0.00120491	622480	513266	0.001076076
622462	513264	0.001164826	622469	513259	0.001181943	622480	513273	0.001041254
622462	513265	0.001157289	622469	513262	0.001159512	622480	513280	0.001007185
622462	513266	0.001149816	622469	513265	0.00113761	622480	513287	0.000967204
622463	513250	0.001273784	622469	513268	0.001116237	622480	513294	0.000928401
622463	513253	0.001248731	622469	513271	0.001095378	622481	513250	0.001149834

Table G-6

**ISCLT2 Model Output - 1,1,1-Trichloroethane
Former General Instrument Corporation Site
Hicksville, New York**

1,1,1-Trichloroethane			1,1,1-Trichloroethane			1,1,1-Trichloroethane		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622463	513256	0.001224303	622469	513281	0.001029394	622481	513253	0.001134711
622463	513259	0.001200482	622469	513312	0.000855451	622481	513256	0.001119605
622463	513260	0.001192675	622469	513343	0.000719078	622481	513259	0.001104529
622463	513261	0.001184932	622469	513374	0.000611195	622481	513262	0.001089519
622463	513262	0.001177254	622472	513250	0.001220521	622481	513265	0.001074592
622463	513263	0.001169638	622472	513253	0.001202955	622481	513268	0.001059764
622463	513264	0.00116208	622472	513256	0.001185503	622481	513271	0.001045048
622463	513265	0.001154584	622472	513259	0.001168182	622482	513236	0.001210968
622463	513266	0.001147153	622472	513262	0.001150174	622482	513251	0.00113719
622463	513268	0.001132474	622472	513265	0.00112867	622482	513266	0.001063221
622463	513271	0.001110914	622472	513268	0.001107676	622482	513281	0.000991521
622466	513245	0.001301625	622472	513271	0.001087178	622482	513296	0.000913362
622466	513250	0.001263342	622473	513245	0.001241516	622482	513311	0.00083874
622466	513252	0.001246885	622473	513252	0.001201005	622482	513326	0.000771998
622466	513253	0.001238758	622473	513259	0.001161012	622482	513341	0.00071223
622466	513256	0.001214774	622473	513266	0.001118616	622484	513250	0.00112687
622466	513259	0.001191377	622473	513273	0.001071068	622484	513253	0.001112509
622466	513262	0.001168547	622473	513280	0.001026084	622484	513256	0.001098134
622466	513265	0.001146254	622473	513287	0.000983519	622484	513259	0.001083771
622466	513266	0.001138945	622473	513294	0.000943238	622484	513262	0.001069451
622466	513268	0.001124508	622475	513250	0.001196667	622484	513265	0.001055189
622466	513271	0.001103295	622475	513253	0.00117994	622484	513268	0.001041003
622466	513273	0.001089441	622475	513256	0.001163295	622484	513271	0.001026904
622466	513280	0.001042704	622475	513259	0.001146741	622487	513245	0.001126791
622466	513287	0.000998568	622475	513262	0.001130292	622487	513252	0.001095138
622466	513294	0.000956879	622475	513265	0.00111398	622487	513259	0.001063256
622467	513236	0.001351334	622475	513268	0.001097817	622487	513266	0.001031462
622467	513251	0.001251573	622475	513271	0.00107871	622487	513273	0.000999978
622467	513266	0.00113614	622478	513250	0.001173103	622487	513280	0.000968979
622467	513281	0.001033989	622478	513253	0.001157189	622487	513287	0.000938596
622467	513296	0.000943577	622478	513256	0.001141328	622487	513294	0.000908925
622467	513311	0.000863439	622478	513259	0.001125521	622494	513245	0.001072333
622467	513326	0.000792276	622478	513262	0.001109801	622494	513252	0.00104459
622467	513341	0.000728952	622478	513265	0.001094191	622494	513259	0.001016356
622469	513157	0.001599168	622478	513268	0.001078705	622494	513266	0.000987948
622469	513188	0.001596364	622478	513271	0.001063354	622494	513273	0.000959604
622469	513219	0.001437602	622480	513245	0.001183208	622494	513280	0.000931506
622494	513287	0.0009038	622562	513064	0.000955838	622655	513312	0.000359449
622494	513294	0.000876602	622562	513126	0.000964611	622655	513343	0.000330399
622497	513236	0.001081827	622562	513157	0.000896881	622655	513374	0.000317395
622497	513251	0.001027221	622562	513188	0.000810796	622686	513064	0.000425886
622497	513266	0.000969656	622562	513219	0.000719949	622686	513126	0.000443395
622497	513281	0.000911866	622562	513250	0.000644926	622686	513157	0.000436185
622497	513296	0.000855522	622562	513281	0.000614998	622686	513188	0.000420167
622497	513311	0.000801625	622562	513312	0.000571656	622686	513219	0.000399908
622497	513326	0.000748007	622562	513343	0.000523864	622686	513250	0.000376414
622497	513341	0.00069223	622562	513374	0.000476556	622686	513281	0.000350493

Table G-6

**ISCLT2 Model Output - 1,1,1-Trichloroethane
Former General Instrument Corporation Site
Hicksville, New York**

1,1,1-Trichloroethane			1,1,1-Trichloroethane			1,1,1-Trichloroethane		
<u>UTME</u>	<u>UTMN</u>	<u>Impact (µg/m³)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact (µg/m³)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact (µg/m³)</u>
622500	511500	1.69253E-05	622562	513436	0.000391751	622686	513312	0.00032375
622500	512000	3.3502E-05	622562	513498	0.000320477	622686	513343	0.000297353
622500	512500	0.000104287	622593	513157	0.000739952	622686	513374	0.000275272
622500	512750	0.00028335	622593	513188	0.000684998	622686	513498	0.000226802
622500	512875	0.000579401	622593	513219	0.000622539	622748	513064	0.0003113
622500	513000	0.001263267	622593	513250	0.00055794	622748	513126	0.000324411
622500	513064	0.001663484	622593	513281	0.000504288	622748	513188	0.000315535
622500	513125	0.001526233	622593	513312	0.000481536	622748	513250	0.000292119
622500	513126	0.001518502	622593	513343	0.000451264	622748	513312	0.000262235
622500	513157	0.001294954	622593	513374	0.000418247	622748	513374	0.000229436
622500	513188	0.001141481	622624	513064	0.000615519	622748	513436	0.000199846
622500	513219	0.001106341	622624	513126	0.000636521	622748	513498	0.000186281
622500	513250	0.001009729	622624	513157	0.000614342	622750	512750	0.000161025
622500	513281	0.00089636	622624	513188	0.000578686	622750	512875	0.000210111
622500	513312	0.000786789	622624	513219	0.000536298	622750	513000	0.000275635
622500	513343	0.000680974	622624	513250	0.000489915	622750	513125	0.000321357
622500	513374	0.000584848	622624	513281	0.000442964	622750	513250	0.000289817
622500	513375	0.000582064	622624	513312	0.000403882	622750	513375	0.000227636
622500	513436	0.000442091	622624	513343	0.000386752	622750	513500	0.000184593
622500	513498	0.000344432	622624	513374	0.000365049	622750	513625	0.000152704
622500	513500	0.000341826	622624	513436	0.000317735	622750	513750	0.000124175
622500	513625	0.00022319	622624	513498	0.000273128	622750	514000	8.29852E-05
622500	513750	0.000157334	622625	512875	0.000352478	622750	514250	5.72231E-05
622500	514000	9.10755E-05	622625	513000	0.000499985	622750	514500	4.1896E-05
622500	514250	6.00498E-05	622625	513125	0.00063294	622810	513064	0.000237475
622500	514500	4.29787E-05	622625	513250	0.000487838	622810	513126	0.000247203
622500	515000	2.56401E-05	622625	513375	0.000362692	622810	513188	0.000244243
622531	513157	0.001084983	622625	513500	0.000271008	622810	513250	0.0002306
622531	513188	0.000952552	622625	513625	0.000200457	622810	513312	0.000213634
622531	513219	0.000846636	622625	513750	0.000147389	622810	513374	0.000192879
622531	513250	0.000809666	622655	513157	0.00051498	622810	513436	0.000171366
622531	513281	0.000745857	622655	513188	0.000490879	622810	513498	0.000152089
622531	513312	0.000674009	622655	513219	0.00046233	622872	513064	0.000187319
622531	513343	0.000603642	622655	513250	0.000429262	622872	513126	0.000194632
622531	513374	0.000538921	622655	513281	0.000394294	622872	513188	0.000194194
622872	513250	0.000186735	623250	513250	7.08848E-05	624500	512000	9.80703E-06
622872	513312	0.000175848	623250	513375	6.84819E-05	624500	512500	1.20029E-05
622872	513374	0.000162679	623250	513500	6.42221E-05	624500	513000	1.42154E-05
622872	513436	0.000147999	623250	513625	5.88545E-05	624500	513500	1.50903E-05
622872	513498	0.000133216	623250	513750	5.28513E-05	624500	514000	1.42046E-05
622875	512875	0.000133847	623250	514000	4.29939E-05	624500	514500	1.25208E-05
622875	513000	0.000172048	623250	514250	3.70698E-05	624500	515000	1.05336E-05
622875	513125	0.000192472	623250	514500	3.12955E-05	625000	511000	5.61572E-06
622875	513250	0.000184923	623500	511500	1.46221E-05	625000	511500	6.47678E-06
622875	513375	0.000161143	623500	512000	2.06992E-05	625000	512000	7.19964E-06
622875	513500	0.000131945	623500	512500	2.94676E-05	625000	512500	8.80284E-06
622875	513625	0.000112701	623500	512750	3.55416E-05	625000	513000	9.96619E-06

Table G-6

**ISCLT2 Model Output - 1,1,1-Trichloroethane
Former General Instrument Corporation Site
Hicksville, New York**

1,1,1-Trichloroethane			1,1,1-Trichloroethane			1,1,1-Trichloroethane		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622875	513750	9.83689E-05	623500	513000	4.23555E-05	625000	513500	1.0556E-05
623000	511000	1.14763E-05	623500	513250	4.54164E-05	625000	514000	1.02908E-05
623000	511500	1.82887E-05	623500	513500	4.3344E-05	625000	514500	9.51988E-06
623000	512000	3.18137E-05	623500	513750	3.8697E-05	625000	515000	8.46561E-06
623000	512500	6.0828E-05	623500	514000	3.28375E-05	625000	516000	6.63657E-06
623000	512750	8.40643E-05	623500	514250	2.8024E-05	625000	517000	5.46394E-06
623000	512875	9.8115E-05	623500	514500	2.51269E-05	625000	518000	4.44361E-06
623000	513000	0.000117616	623500	515000	1.94283E-05	626000	511000	3.86623E-06
623000	513125	0.000128457	623750	512750	2.62971E-05	626000	512000	4.78602E-06
623000	513250	0.000127426	623750	513000	2.99195E-05	626000	513000	5.84187E-06
623000	513375	0.000116903	623750	513250	3.18413E-05	626000	514000	6.17385E-06
623000	513500	0.00010249	623750	513500	3.13245E-05	626000	515000	5.65292E-06
623000	513625	8.68924E-05	623750	513750	2.91084E-05	626000	516000	4.77131E-06
623000	513750	7.66844E-05	623750	514000	2.60709E-05	626000	517000	4.01804E-06
623000	514000	6.14014E-05	623750	514250	2.27102E-05	626000	518000	3.52942E-06
623000	514250	4.81277E-05	623750	514500	1.99834E-05	627000	511000	2.78885E-06
623000	514500	3.81729E-05	624000	511000	8.58104E-06	627000	512000	3.41821E-06
623000	515000	2.44383E-05	624000	511500	1.08219E-05	627000	513000	3.93371E-06
623000	516000	1.26036E-05	624000	512000	1.39977E-05	627000	514000	4.17066E-06
623000	517000	7.8567E-06	624000	512500	1.73961E-05	627000	515000	4.00471E-06
623000	518000	5.47097E-06	624000	512750	2.02941E-05	627000	516000	3.63143E-06
623125	512875	7.48959E-05	624000	513000	2.2446E-05	627000	517000	3.15596E-06
623125	513000	8.57836E-05	624000	513250	2.3734E-05	627000	518000	2.76691E-06
623125	513125	9.22458E-05	624000	513500	2.37267E-05	628000	511000	2.17952E-06
623125	513250	9.2953E-05	624000	513750	2.25515E-05	628000	512000	2.58599E-06
623125	513375	8.77299E-05	624000	514000	2.09576E-05	628000	513000	2.87995E-06
623125	513500	8.04499E-05	624000	514250	1.89312E-05	628000	514000	3.04688E-06
623125	513625	7.13379E-05	624000	514500	1.68284E-05	628000	515000	3.00869E-06
623125	513750	6.20853E-05	624000	515000	1.41077E-05	628000	516000	2.8324E-06
623250	512750	5.05296E-05	624000	516000	1.00175E-05	628000	517000	2.57408E-06
623250	512875	5.8954E-05	624000	517000	7.18984E-06	628000	518000	2.28842E-06
623250	513000	6.55979E-05	624000	518000	5.21727E-06	Maximum =		3.31E-03
623250	513125	6.97781E-05	624500	511500	8.32538E-06			

Table G-7

**ISCLT2 Model Output - Trichloroethylene
Former General Instrument Corporation Site
Hicksville, New York**

Trichloroethylene			Trichloroethylene			Trichloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
616000	511000	3.3954E-05	620000	511000	0.000123799	621500	511500	0.000257564
616000	512000	3.60207E-05	620000	511500	0.000140708	621500	512000	0.000458781
616000	513000	3.6452E-05	620000	512000	0.000153073	621500	512500	0.000732607
616000	514000	3.15463E-05	620000	512500	0.00016893	621500	512750	0.000822744
616000	515000	2.54578E-05	620000	513000	0.000174471	621500	513000	0.000897892
616000	516000	2.0612E-05	620000	513500	0.000145642	621500	513250	0.000737792
616000	517000	1.90469E-05	620000	514000	0.000106324	621500	513500	0.000514497
616000	518000	1.72284E-05	620000	514500	9.23212E-05	621500	513750	0.00043336
617000	511000	4.27762E-05	620000	515000	7.99273E-05	621500	514000	0.000349963
617000	512000	4.658E-05	620000	516000	6.20399E-05	621500	514250	0.000304378
617000	513000	4.75358E-05	620000	517000	4.96069E-05	621500	514500	0.000258709
617000	514000	3.98415E-05	620000	518000	3.96779E-05	621500	515000	0.000187231
617000	515000	3.02995E-05	620500	511500	0.00018573	621750	512750	0.001358037
617000	516000	2.58155E-05	620500	512000	0.000215971	621750	512875	0.001469689
617000	517000	2.30595E-05	620500	512500	0.000241618	621750	513000	0.00155132
617000	518000	2.01866E-05	620500	513000	0.000256313	621750	513125	0.001449642
618000	511000	5.72562E-05	620500	513500	0.000201708	621750	513250	0.001161363
618000	512000	6.33735E-05	620500	514000	0.000144067	621750	513375	0.000903096
618000	513000	6.56751E-05	620500	514500	0.00012223	621750	513500	0.000813
618000	514000	5.23832E-05	620500	515000	9.97912E-05	621750	513625	0.000704745
618000	515000	3.74207E-05	621000	511000	0.000160366	621750	513750	0.000610883
618000	516000	3.31414E-05	621000	511500	0.000235982	621750	514000	0.000497812
618000	517000	2.8186E-05	621000	512000	0.000321108	621750	514250	0.00039483
618000	518000	2.47985E-05	621000	512500	0.000377656	621750	514500	0.000315659
619000	511000	8.19594E-05	621000	512750	0.000414501	621875	512875	0.002023096
619000	511500	8.66009E-05	621000	513000	0.000426448	621875	513000	0.002206441
619000	512000	9.26846E-05	621000	513250	0.000378713	621875	513125	0.002033392
619000	512500	9.8016E-05	621000	513500	0.000299637	621875	513250	0.001514658
619000	513000	9.91557E-05	621000	513750	0.000241166	621875	513375	0.001233488
619000	513500	8.78781E-05	621000	514000	0.000217411	621875	513500	0.001048877
619000	514000	7.25597E-05	621000	514250	0.000190372	621875	513625	0.000881148
619000	514500	5.69781E-05	621000	514500	0.000165749	621875	513750	0.000780863
619000	515000	5.31681E-05	621000	515000	0.000138618	622000	511000	0.000186619
619000	516000	4.34583E-05	621000	516000	9.24176E-05	622000	511500	0.000287928
619000	517000	3.65939E-05	621000	517000	7.38303E-05	622000	512000	0.000508218
619000	518000	3.16441E-05	621000	518000	6.27631E-05	622000	512500	0.001417424
619500	511500	0.000109054	621250	512750	0.000565743	622000	512750	0.00260955
619500	512000	0.000116281	621250	513000	0.000593654	622000	512875	0.003062408
619500	512500	0.000125787	621250	513250	0.000511957	622000	513000	0.003399202
619500	513000	0.000128192	621250	513500	0.000375395	622000	513000	0.003399202
619500	513500	0.000110916	621250	513750	0.000318458	622000	513125	0.003065952
619500	514000	8.73199E-05	621250	514000	0.000273186	622000	513250	0.002064461
619500	514500	7.15788E-05	621250	514250	0.000230793	622000	513375	0.001743938
619500	515000	6.47757E-05	621250	514500	0.000207965	622000	513500	0.001400685
622000	513625	0.001189369	622250	514250	0.000969883	622345	513343	0.010490423
622000	513750	0.000985383	622250	514500	0.000722304	622345	513374	0.009221871

Table G-7

**ISCLT2 Model Output - Trichloroethylene
Former General Instrument Corporation Site
Hicksville, New York**

Trichloroethylene			Trichloroethylene			Trichloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622000	514000	0.000681993	622252	513064	0.011798104	622347	513236	0.016073
622000	514000	0.000681993	622252	513126	0.008970443	622347	513251	0.015420411
622000	514250	0.000587936	622252	513188	0.007690432	622347	513266	0.014652014
622000	514500	0.000496822	622252	513250	0.006556062	622347	513281	0.013837065
622000	515000	0.00035295	622252	513312	0.005463941	622347	513296	0.01301924
622000	516000	0.000201872	622252	513374	0.00439567	622347	513311	0.012224452
622000	517000	0.000132602	622252	513436	0.003643273	622347	513326	0.011466834
622000	518000	9.53575E-05	622252	513498	0.003394752	622347	513341	0.010753615
622125	512875	0.005034861	622314	513064	0.017568069	622362	513236	0.020464409
622125	513000	0.005852446	622314	513126	0.013623919	622362	513251	0.019020585
622125	513125	0.005066528	622314	513157	0.01293869	622362	513266	0.017632011
622125	513250	0.00344505	622314	513188	0.012411539	622362	513281	0.016325928
622125	513375	0.002609145	622314	513219	0.0111844	622362	513296	0.015114997
622125	513500	0.002051139	622314	513250	0.009758173	622362	513311	0.014003052
622125	513625	0.001565916	622314	513281	0.008629851	622362	513326	0.012987341
622125	513750	0.001245762	622314	513312	0.008395288	622362	513341	0.012062387
622128	513064	0.00601509	622314	513343	0.007860489	622375	512875	0.010176766
622128	513126	0.00511426	622314	513374	0.007227906	622375	513000	0.030254699
622128	513188	0.003826489	622314	513436	0.00599415	622375	513125	0.032474324
622128	513250	0.003491001	622314	513498	0.004962023	622375	513250	0.022326574
622128	513312	0.003021369	622317	513236	0.010609451	622375	513375	0.01107631
622128	513374	0.002647598	622317	513251	0.009885699	622375	513500	0.006440894
622128	513436	0.002366507	622317	513266	0.009188242	622375	513625	0.004207817
622128	513498	0.00207799	622317	513281	0.009078795	622375	513750	0.00297631
622190	513064	0.008333657	622317	513296	0.008960912	622376	513064	0.007309324
622190	513126	0.006762652	622317	513311	0.008744577	622376	513126	0.033311851
622190	513188	0.005329335	622317	513326	0.008466916	622376	513157	0.03988323
622190	513250	0.004624411	622317	513341	0.008153741	622376	513188	0.033576328
622190	513312	0.00397222	622332	513236	0.011946653	622376	513219	0.027524315
622190	513374	0.003448694	622332	513251	0.011981317	622376	513250	0.022572976
622190	513436	0.002923904	622332	513266	0.011768666	622376	513281	0.018647337
622190	513498	0.002468083	622332	513281	0.01140481	622376	513312	0.015558248
622250	512750	0.003869049	622332	513296	0.010954917	622376	513343	0.01312469
622250	512875	0.007713857	622332	513311	0.01046144	622376	513374	0.011193248
622250	513000	0.012002084	622332	513326	0.009951974	622376	513436	0.008391006
622250	513125	0.008944642	622332	513341	0.009444335	622376	513498	0.006514274
622250	513250	0.006468139	622345	513157	0.019004114	622377	513236	0.024973786
622250	513375	0.004348188	622345	513188	0.016586956	622377	513251	0.022674013
622250	513500	0.003335954	622345	513219	0.015814407	622377	513266	0.02062902
622250	513625	0.002674797	622345	513250	0.014992717	622377	513281	0.018811651
622250	513750	0.00211108	622345	513281	0.013508295	622377	513296	0.017197048
622250	514000	0.001379576	622345	513312	0.01193846	622377	513311	0.015762741
622377	513326	0.014486833	622422	513281	0.021890651	622438	513312	0.01772874
622377	513341	0.013349815	622422	513296	0.019807559	622438	513343	0.014761752
622392	513236	0.029418863	622422	513311	0.017994558	622438	513374	0.01245785
622392	513251	0.026253913	622422	513326	0.016409298	622438	513436	0.009190648

Table G-7

**ISCLT2 Model Output - Trichloroethylene
Former General Instrument Corporation Site
Hicksville, New York**

Trichloroethylene			Trichloroethylene			Trichloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622392	513266	0.023552854	622422	513341	0.015017187	622438	513498	0.00705192
622392	513281	0.021228736	622424	513245	0.028270608	622445	513245	0.027386544
622392	513296	0.019216957	622424	513252	0.026837854	622445	513252	0.026065849
622392	513311	0.017467124	622424	513259	0.025504399	622445	513259	0.024828835
622392	513326	0.015937574	622424	513266	0.024261503	622445	513266	0.023669271
622392	513341	0.014594484	622424	513273	0.023101477	622445	513273	0.022581209
622407	513157	0.065883704	622424	513280	0.022016902	622445	513280	0.021559216
622407	513188	0.046711944	622424	513287	0.021002028	622445	513287	0.020599332
622407	513219	0.035197668	622424	513294	0.020051859	622445	513294	0.019697188
622407	513236	0.030614808	622431	513245	0.028041042	622447	513260	0.024571322
622407	513250	0.027460039	622431	513252	0.026640128	622447	513261	0.024404097
622407	513251	0.027252838	622431	513259	0.025333803	622447	513262	0.024238389
622407	513266	0.024395475	622431	513266	0.024114117	622447	513263	0.024074186
622407	513281	0.021945581	622431	513273	0.022974026	622447	513264	0.023911458
622407	513296	0.019831231	622431	513280	0.021906484	622447	513265	0.023750212
622407	513311	0.017997045	622431	513287	0.020906497	622447	513266	0.023590418
622407	513312	0.017883562	622431	513294	0.019969197	622447	513267	0.023432065
622407	513326	0.016397597	622437	513236	0.029696824	622448	513250	0.026277335
622407	513341	0.014996144	622437	513251	0.026611947	622448	513253	0.025735054
622407	513343	0.014822561	622437	513266	0.023947155	622448	513256	0.025207508
622407	513374	0.012469457	622437	513281	0.021633158	622448	513259	0.024694238
622410	513245	0.028516302	622437	513296	0.019616187	622448	513260	0.024526244
622410	513252	0.027039401	622437	513311	0.01785231	622448	513261	0.024359768
622410	513259	0.025669131	622437	513326	0.016303852	622448	513262	0.024194794
622410	513266	0.024395425	622437	513341	0.014939505	622448	513263	0.024031309
622410	513273	0.02320955	622438	513064	0.061939769	622448	513264	0.023869304
622410	513280	0.022103163	622438	513126	0.050833516	622448	513265	0.02370875
622410	513287	0.021070145	622438	513157	0.052384783	622448	513266	0.023549635
622410	513294	0.020104522	622438	513188	0.043425743	622448	513267	0.023391951
622417	513245	0.028429894	622438	513219	0.033732735	622448	513268	0.023235677
622417	513252	0.02697167	622438	513245	0.027744852	622448	513271	0.022774959
622417	513259	0.025616776	622438	513250	0.026761603	622449	513260	0.024480216
622417	513266	0.02435578	622438	513252	0.02638153	622449	513261	0.0243145
622417	513273	0.02318041	622438	513259	0.025107546	622449	513262	0.024150278
622417	513280	0.022082798	622438	513266	0.023915801	622449	513263	0.023987526
622417	513287	0.021056902	622438	513273	0.022799928	622449	513264	0.023826234
622417	513294	0.020097241	622438	513280	0.02175325	622449	513265	0.023666387
622422	513236	0.030340178	622438	513281	0.021609152	622449	513266	0.023507968
622422	513251	0.027082153	622438	513287	0.02077168	622449	513267	0.023350963
622422	513266	0.024293937	622438	513294	0.019850474	622450	513260	0.024433257
622450	513261	0.024268307	622453	513260	0.024286861	622457	513260	0.024079295
622450	513262	0.024104839	622453	513261	0.024124287	622457	513261	0.023919998
622450	513263	0.023942828	622453	513262	0.023963139	622457	513262	0.023762079
622450	513264	0.023782268	622453	513263	0.023803419	622457	513263	0.02360552
622450	513265	0.023623131	622453	513264	0.023645096	622457	513264	0.023450315
622450	513266	0.023465419	622453	513265	0.023488166	622457	513265	0.023296438

Table G-7

**ISCLT2 Model Output - Trichloroethylene
Former General Instrument Corporation Site
Hicksville, New York**

Trichloroethylene			Trichloroethylene			Trichloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact (µg/m³)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact (µg/m³)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact (µg/m³)</u>
622450	513267	0.0233091	622453	513266	0.023332611	622457	513266	0.02314378
622451	513250	0.0261108	622453	513267	0.023178408	622457	513267	0.022992408
622451	513253	0.025576729	622454	513250	0.025935151	622457	513268	0.022842336
622451	513256	0.025056947	622454	513253	0.025409574	622457	513271	0.022399835
622451	513259	0.024551006	622454	513256	0.024897814	622458	513259	0.024185099
622451	513260	0.024385369	622454	513259	0.024399474	622458	513260	0.02402528
622451	513261	0.024221199	622454	513260	0.024236269	622458	513261	0.023866821
622451	513262	0.024058504	622454	513261	0.024074502	622458	513262	0.023709726
622451	513263	0.023897242	622454	513262	0.023914153	622458	513263	0.023553979
622451	513264	0.023737412	622454	513263	0.023755204	622458	513264	0.023399567
622451	513265	0.023579007	622454	513264	0.023597648	622458	513265	0.023246462
622451	513266	0.023422003	622454	513265	0.023441471	622458	513266	0.023094537
622451	513267	0.023266386	622454	513266	0.023286656	622458	513267	0.02294392
622451	513268	0.023112118	622454	513267	0.023133123	622459	513245	0.026504772
622451	513271	0.022657145	622454	513268	0.022980863	622459	513252	0.025281228
622452	513236	0.028732766	622454	513271	0.022532018	622459	513259	0.024129393
622452	513245	0.026971299	622455	513259	0.024347181	622459	513260	0.023970433
622452	513251	0.025874557	622455	513260	0.024184806	622459	513261	0.023812829
622452	513252	0.025697475	622455	513261	0.02402385	622459	513262	0.023656566
622452	513259	0.024501406	622455	513262	0.023864303	622459	513263	0.02350164
622452	513260	0.024336567	622455	513263	0.023706144	622459	513264	0.023348032
622452	513261	0.024173189	622455	513264	0.023549359	622459	513265	0.023195652
622452	513262	0.02401126	622455	513265	0.023393944	622459	513266	0.023044512
622452	513263	0.023850761	622455	513266	0.02323987	622459	513267	0.022894658
622452	513264	0.02369169	622455	513267	0.023087017	622459	513273	0.022022003
622452	513265	0.023534011	622456	513259	0.024294008	622459	513280	0.021058569
622452	513266	0.023377726	622456	513260	0.024132479	622459	513287	0.020150527
622452	513267	0.023222819	622456	513261	0.023972344	622459	513294	0.019294336
622452	513273	0.022320872	622456	513262	0.023813605	622460	513250	0.025558196
622452	513280	0.021326769	622456	513263	0.023656244	622460	513253	0.02505031
622452	513281	0.021189645	622456	513264	0.023500241	622460	513256	0.024555316
622452	513287	0.020391507	622456	513265	0.02334559	622460	513259	0.024072867
622452	513294	0.019511139	622456	513266	0.023192238	622460	513260	0.023914777
622452	513296	0.019269155	622456	513267	0.023040107	622460	513261	0.023758026
622452	513311	0.017579304	622457	513250	0.025750807	622460	513262	0.023602611
622452	513326	0.016088108	622457	513253	0.025233967	622460	513263	0.023448508
622452	513341	0.014768375	622457	513256	0.024730485	622460	513264	0.023295716
622453	513259	0.024450887	622457	513259	0.024239976	622460	513265	0.023144072
622460	513266	0.022993712	622466	513280	0.020757524	622475	513256	0.023158187
622460	513268	0.022696827	622466	513287	0.019878913	622475	513259	0.02282865
622460	513271	0.022260876	622466	513294	0.019048983	622475	513262	0.022501187
622461	513259	0.024015531	622467	513236	0.026901549	622475	513265	0.022176456
622461	513260	0.02385832	622467	513251	0.024915582	622475	513268	0.021854704
622461	513261	0.023702435	622467	513266	0.022617601	622475	513271	0.021474334
622461	513262	0.023547866	622467	513281	0.020584052	622478	513250	0.023353433
622461	513263	0.023394594	622467	513296	0.018784177	622478	513253	0.023036648

Table G-7

**ISCLT2 Model Output - Trichloroethylene
Former General Instrument Corporation Site
Hicksville, New York**

Trichloroethylene			Trichloroethylene			Trichloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact (µg/m³)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact (µg/m³)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact (µg/m³)</u>
622461	513264	0.023242569	622467	513311	0.01718883	622478	513256	0.022720892
622461	513265	0.023091728	622467	513326	0.01577216	622478	513259	0.022406198
622461	513266	0.022942163	622467	513341	0.014511555	622478	513262	0.022093268
622462	513259	0.023957403	622469	513157	0.031835284	622478	513265	0.021782508
622462	513260	0.023801077	622469	513188	0.031779468	622478	513268	0.021474211
622462	513261	0.023646059	622469	513219	0.028618937	622478	513271	0.021168618
622462	513262	0.023492351	622469	513250	0.024777889	622480	513245	0.023554599
622462	513263	0.023339925	622469	513253	0.024410978	622480	513252	0.022839734
622462	513264	0.023188653	622469	513256	0.023986636	622480	513259	0.022127086
622462	513265	0.023038628	622469	513259	0.023529416	622480	513266	0.021421881
622462	513266	0.022889867	622469	513262	0.023082878	622480	513273	0.020728666
622463	513250	0.025357738	622469	513265	0.022646876	622480	513280	0.020050433
622463	513253	0.024859009	622469	513268	0.022221385	622480	513287	0.019254517
622463	513256	0.024372704	622469	513271	0.021806143	622480	513294	0.018482052
622463	513259	0.023898494	622469	513281	0.020492561	622481	513250	0.022890227
622463	513260	0.023743061	622469	513312	0.017029818	622481	513253	0.022589142
622463	513261	0.02358892	622469	513343	0.014314989	622481	513256	0.022288436
622463	513262	0.02343607	622469	513374	0.012167309	622481	513259	0.021988304
622463	513263	0.023284463	622472	513250	0.024297411	622481	513262	0.021689497
622463	513264	0.023133995	622472	513253	0.023947721	622481	513265	0.021392344
622463	513265	0.022984784	622472	513256	0.023600282	622481	513268	0.021097155
622463	513266	0.022836836	622472	513259	0.023255475	622481	513271	0.020804195
622463	513268	0.022544624	622472	513262	0.022896977	622482	513236	0.024107235
622463	513271	0.022115415	622472	513265	0.022468897	622482	513251	0.022638502
622466	513245	0.025911981	622472	513268	0.022050954	622482	513266	0.021165973
622466	513250	0.02514986	622472	513271	0.021642905	622482	513281	0.01973862
622466	513252	0.024822243	622473	513245	0.024715366	622482	513296	0.018182673
622466	513253	0.024660457	622473	513252	0.023908904	622482	513311	0.016697135
622466	513256	0.024183011	622473	513259	0.023112726	622482	513326	0.015368473
622466	513259	0.023717232	622473	513266	0.022268746	622482	513341	0.014178661
622466	513262	0.023262739	622473	513273	0.021322191	622484	513250	0.022433054
622466	513265	0.022818951	622473	513280	0.020426672	622484	513253	0.022147184
622466	513266	0.02267345	622473	513287	0.019579321	622484	513256	0.021860994
622466	513268	0.022386042	622473	513294	0.018777413	622484	513259	0.021575078
622466	513271	0.021963742	622475	513250	0.023822544	622484	513262	0.021289999
622466	513273	0.021687949	622475	513253	0.02348955	622484	513265	0.021006085
622484	513268	0.020723673	622500	513436	0.008800894	622624	513312	0.008040244
622484	513271	0.020443007	622500	513498	0.006856753	622624	513343	0.00769923
622487	513245	0.022431487	622500	513500	0.006804877	622624	513374	0.007267189
622487	513252	0.021801364	622500	513625	0.004443137	622624	513436	0.006325283
622487	513259	0.021166667	622500	513750	0.003132116	622624	513498	0.005437279
622487	513266	0.020533729	622500	514000	0.001813077	622625	512875	0.007016914
622487	513273	0.019906966	622500	514250	0.001195435	622625	513000	0.009953401
622487	513280	0.019289862	622500	514500	0.000855595	622625	513125	0.012600195
622487	513287	0.018685002	622500	515000	0.000510428	622625	513250	0.00971159
622487	513294	0.01809435	622531	513157	0.021599198	622625	513375	0.007220255

Table G-7

**ISCLT2 Model Output - Trichloroethylene
Former General Instrument Corporation Site
Hicksville, New York**

Trichloroethylene			Trichloroethylene			Trichloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact (µg/m³)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact (µg/m³)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact (µg/m³)</u>
622494	513245	0.021347379	622531	513188	0.01896284	622625	513500	0.00539506
622494	513252	0.020795079	622531	513219	0.016854325	622625	513625	0.003990584
622494	513259	0.020233024	622531	513250	0.01611835	622625	513750	0.002934125
622494	513266	0.019667491	622531	513281	0.014848082	622655	513157	0.010251913
622494	513273	0.01910322	622531	513312	0.013417781	622655	513188	0.009772138
622494	513280	0.018543866	622531	513343	0.012016957	622655	513219	0.009203788
622494	513287	0.017992327	622531	513374	0.010728513	622655	513250	0.008545497
622494	513294	0.017450873	622562	513064	0.019028256	622655	513281	0.007849371
622497	513236	0.021536376	622562	513126	0.019202916	622655	513312	0.007155697
622497	513251	0.020449316	622562	513157	0.017854577	622655	513343	0.006577393
622497	513266	0.019303331	622562	513188	0.016140837	622655	513374	0.006318508
622497	513281	0.018152887	622562	513219	0.014332317	622686	513064	0.008478295
622497	513296	0.017031224	622562	513250	0.012838798	622686	513126	0.008826843
622497	513311	0.015958268	622562	513281	0.012243008	622686	513157	0.008683311
622497	513326	0.014890889	622562	513312	0.011380184	622686	513188	0.008364442
622497	513341	0.013780514	622562	513343	0.010428784	622686	513219	0.007961123
622500	511500	0.000336939	622562	513374	0.009486987	622686	513250	0.00749342
622500	512000	0.000666939	622562	513436	0.007798752	622686	513281	0.006977401
622500	512500	0.00207609	622562	513498	0.006379873	622686	513312	0.006445029
622500	512750	0.005640764	622593	513157	0.014730519	622686	513343	0.005919518
622500	512875	0.011534369	622593	513188	0.013636541	622686	513374	0.005479954
622500	513000	0.025148373	622593	513219	0.012393144	622686	513436	0.005040061
622500	513064	0.033115648	622593	513250	0.011107131	622686	513498	0.004515047
622500	513125	0.030383334	622593	513281	0.010039074	622748	513064	0.006197182
622500	513126	0.030229431	622593	513312	0.009586125	622748	513126	0.006458185
622500	513157	0.025779182	622593	513343	0.008983502	622748	513188	0.00628149
622500	513188	0.022723936	622593	513374	0.008326213	622748	513250	0.005815338
622500	513219	0.022024393	622624	513064	0.012253386	622748	513312	0.005220411
622500	513250	0.02010108	622624	513126	0.012671489	622748	513374	0.004567472
622500	513281	0.017844206	622624	513157	0.01222995	622748	513436	0.00397842
622500	513312	0.015662931	622624	513188	0.01152013	622748	513498	0.00370837
622500	513343	0.013556424	622624	513219	0.01067631	622750	512750	0.003205589
622500	513374	0.011642801	622624	513250	0.009752941	622750	512875	0.00418277
622500	513375	0.011587384	622624	513281	0.008818261	622750	513000	0.00548718
622750	513125	0.006397389	623000	513625	0.001729802	623750	513500	0.000623589
622750	513250	0.005769511	623000	513750	0.001526587	623750	513750	0.000579474
622750	513375	0.004531651	623000	514000	0.001222342	623750	514000	0.000519005
622750	513500	0.003674776	623000	514250	0.000958098	623750	514250	0.000452102
622750	513625	0.003039937	623000	514500	0.000759923	623750	514500	0.000397817
622750	513750	0.002472	623000	515000	0.000486504	624000	511000	0.000170826
622750	514000	0.00165202	623000	516000	0.000250905	624000	511500	0.000215436
622750	514250	0.001139163	623000	517000	0.000156407	624000	512000	0.000278658
622750	514500	0.00083404	623000	518000	0.000108913	624000	512500	0.000346312
622810	513064	0.004727514	623125	512875	0.001490984	624000	512750	0.000404002
622810	513126	0.004921178	623125	513000	0.00170773	624000	513000	0.000446843
622810	513188	0.004862254	623125	513125	0.001836374	624000	513250	0.000472483

Table G-7

**ISCLT2 Model Output - Trichloroethylene
Former General Instrument Corporation Site
Hicksville, New York**

Trichloroethylene			Trichloroethylene			Trichloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622810	513250	0.004590639	623125	513250	0.001850453	624000	513500	0.000472338
622810	513312	0.004252905	623125	513375	0.001746475	624000	513750	0.000448941
622810	513374	0.003839718	623125	513500	0.001601548	624000	514000	0.000417212
622810	513436	0.003411448	623125	513625	0.001420152	624000	514250	0.000376872
622810	513498	0.003027694	623125	513750	0.001235958	624000	514500	0.000335009
622872	513064	0.003729045	623250	512750	0.001005913	624000	515000	0.000280847
622872	513126	0.00387462	623250	512875	0.00117362	624000	516000	0.000199423
622872	513188	0.003865902	623250	513000	0.001305885	624000	517000	0.000143131
622872	513250	0.003717405	623250	513125	0.001389102	624000	518000	0.000103862
622872	513312	0.003500675	623250	513250	0.001411133	624500	511500	0.000165737
622872	513374	0.003238509	623250	513375	0.001363298	624500	512000	0.000195233
622872	513436	0.002946273	623250	513500	0.001278497	624500	512500	0.000238947
622872	513498	0.002651987	623250	513625	0.00117164	624500	513000	0.000282992
622875	512875	0.002664544	623250	513750	0.001052133	624500	513500	0.000300409
622875	513000	0.00342502	623250	514000	0.000855897	624500	514000	0.000282776
622875	513125	0.003831628	623250	514250	0.000737964	624500	514500	0.000249257
622875	513250	0.003681329	623250	514500	0.000623012	624500	515000	0.000209697
622875	513375	0.00320793	623500	511500	0.000291088	625000	511000	0.000111794
622875	513500	0.002626674	623500	512000	0.000412068	625000	511500	0.000128936
622875	513625	0.002243581	623500	512500	0.000586624	625000	512000	0.000143326
622875	513750	0.00195827	623500	512750	0.000707542	625000	512500	0.000175242
623000	511000	0.000228462	623500	513000	0.000843188	625000	513000	0.000198401
623000	511500	0.00036408	623500	513250	0.000904123	625000	513500	0.000210142
623000	512000	0.000633327	623500	513500	0.000862867	625000	514000	0.000204863
623000	512500	0.001210928	623500	513750	0.000770358	625000	514500	0.000189516
623000	512750	0.001673503	623500	514000	0.00065371	625000	515000	0.000168528
623000	512875	0.001953215	623500	514250	0.000557885	625000	516000	0.000132117
623000	513000	0.002341425	623500	514500	0.000500212	625000	517000	0.000108773
623000	513125	0.002557254	623500	515000	0.000386766	625000	518000	8.84608E-05
623000	513250	0.002536728	623750	512750	0.000523507	626000	511000	7.69666E-05
623000	513375	0.002327243	623750	513000	0.00059562	626000	512000	9.52773E-05
623000	513500	0.002040314	623750	513250	0.000633878	626000	513000	0.000116296
626000	514000	0.000122905						
626000	515000	0.000112535						
626000	516000	9.49844E-05						
626000	517000	7.99887E-05						
626000	518000	7.02616E-05						
627000	511000	5.55187E-05						
627000	512000	6.80478E-05						
627000	513000	7.83099E-05						
627000	514000	8.3027E-05						
627000	515000	7.97233E-05						
627000	516000	7.22923E-05						
627000	517000	6.28271E-05						
627000	518000	5.5082E-05						
628000	511000	4.33887E-05						

Table G-7

ISCLT2 Model Output - Trichloroethylene
Former General Instrument Corporation Site
Hicksville, New York

Trichloroethylene			Trichloroethylene			Trichloroethylene		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
628000	512000	5.14803E-05						
628000	513000	5.73323E-05						
628000	514000	6.06555E-05						
628000	515000	5.98953E-05						
628000	516000	5.63858E-05						
628000	517000	5.12433E-05						
628000	518000	4.55565E-05						
Maximum =		0.0659						

Table G-8

ISCLT2 Model Output - Vinyl Chloride
Former General Instrument Corporation Site
Hicksville, New York

		Vinyl Chloride			Vinyl Chloride			Vinyl Chloride
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
616000	511000	1.62663E-05	620000	511000	5.93082E-05	621500	511500	0.000123391
616000	512000	1.72564E-05	620000	511500	6.7409E-05	621500	512000	0.000219788
616000	513000	1.7463E-05	620000	512000	7.33329E-05	621500	512500	0.00035097
616000	514000	1.51129E-05	620000	512500	8.09294E-05	621500	512750	0.000394152
616000	515000	1.2196E-05	620000	513000	8.35836E-05	621500	513000	0.000430153
616000	516000	9.8746E-06	620000	513500	6.97727E-05	621500	513250	0.000353454
616000	517000	9.1248E-06	620000	514000	5.09365E-05	621500	513500	0.00024648
616000	518000	8.25362E-06	620000	514500	4.42283E-05	621500	513750	0.00020761
617000	511000	2.04928E-05	620000	515000	3.82908E-05	621500	514000	0.000167657
617000	512000	2.23151E-05	620000	516000	2.97214E-05	621500	514250	0.000145818
617000	513000	2.2773E-05	620000	517000	2.37652E-05	621500	514500	0.00012394
617000	514000	1.90868E-05	620000	518000	1.90085E-05	621500	515000	8.96969E-05
617000	515000	1.45156E-05	620500	511500	8.89777E-05	621750	512750	0.000650594
617000	516000	1.23674E-05	620500	512000	0.000103465	621750	512875	0.000704083
617000	517000	1.10471E-05	620500	512500	0.000115752	621750	513000	0.000743191
617000	518000	9.67077E-06	620500	513000	0.000122792	621750	513125	0.00069448
618000	511000	2.74297E-05	620500	513500	9.66321E-05	621750	513250	0.000556374
618000	512000	3.03603E-05	620500	514000	6.90182E-05	621750	513375	0.000432646
618000	513000	3.1463E-05	620500	514500	5.85569E-05	621750	513500	0.000389484
618000	514000	2.50952E-05	620500	515000	4.7807E-05	621750	513625	0.000337622
618000	515000	1.79271E-05	621000	511000	7.68265E-05	621750	513750	0.000292655
618000	516000	1.58771E-05	621000	511500	0.000113052	621750	514000	0.000238487
618000	517000	1.3503E-05	621000	512000	0.000153833	621750	514250	0.000189151
618000	518000	1.18802E-05	621000	512500	0.000180924	621750	514500	0.000151223
619000	511000	3.92643E-05	621000	512750	0.000198575	621875	512875	0.000969204
619000	511500	4.14878E-05	621000	513000	0.000204298	621875	513000	0.001057039
619000	512000	4.44024E-05	621000	513250	0.00018143	621875	513125	0.000974137
619000	512500	4.69565E-05	621000	513500	0.000143547	621875	513250	0.000725627
619000	513000	4.75025E-05	621000	513750	0.000115536	621875	513375	0.000590927
619000	513500	4.20997E-05	621000	514000	0.000104155	621875	513500	0.000502485
619000	514000	3.47612E-05	621000	514250	9.12015E-05	621875	513625	0.000422132
619000	514500	2.72965E-05	621000	514500	7.94052E-05	621875	513750	0.000374088
619000	515000	2.54712E-05	621000	515000	6.64078E-05	622000	511000	8.94035E-05
619000	516000	2.08196E-05	621000	516000	4.42745E-05	622000	511500	0.000137938
619000	517000	1.7531E-05	621000	517000	3.53698E-05	622000	512000	0.000243472
619000	518000	1.51597E-05	621000	518000	3.00679E-05	622000	512500	0.000679045
619500	511500	5.22447E-05	621250	512750	0.000271031	622000	512750	0.001250156
619500	512000	5.57067E-05	621250	513000	0.000284402	622000	512875	0.001467107
619500	512500	6.02608E-05	621250	513250	0.000245263	622000	513000	0.001628455
619500	513000	6.1413E-05	621250	513500	0.00017984	622000	513125	0.001468805
619500	513500	5.31363E-05	621250	513750	0.000152563	622000	513250	0.000989021
619500	514000	4.18323E-05	621250	514000	0.000130875	622000	513375	0.000835468
619500	514500	3.42913E-05	621250	514250	0.000110566	622000	513500	0.000671026
619500	515000	3.10321E-05	621250	514500	9.96297E-05	622000	513625	0.000569791
622000	513750	0.000472067	622252	513064	0.005652114	622347	513236	0.007700088
622000	514000	0.000326722	622252	513126	0.004297468	622347	513251	0.007387452

Table G-8

ISCLT2 Model Output - Vinyl Chloride
Former General Instrument Corporation Site
Hicksville, New York

Vinyl Chloride			Vinyl Chloride			Vinyl Chloride		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622000	514250	0.000281662	622252	513188	0.003684253	622347	513266	0.007019337
622000	514500	0.000238012	622252	513250	0.003140811	622347	513281	0.00662892
622000	515000	0.000169088	622252	513312	0.002617609	622347	513296	0.006237123
622000	516000	9.67106E-05	622252	513374	0.002105833	622347	513311	0.005856365
622000	517000	6.35256E-05	622252	513436	0.001745382	622347	513326	0.005493412
622000	518000	4.56829E-05	622252	513498	0.001626323	622347	513341	0.005151732
622125	512875	0.002412049	622314	513064	0.008416332	622362	513236	0.009803878
622125	513000	0.00280373	622314	513126	0.006526807	622362	513251	0.009112187
622125	513125	0.002427221	622314	513157	0.006198536	622362	513266	0.008446963
622125	513250	0.001650419	622314	513188	0.005945992	622362	513281	0.007821258
622125	513375	0.001249963	622314	513219	0.005358107	622362	513296	0.007241139
622125	513500	0.000982639	622314	513250	0.004674846	622362	513311	0.006708439
622125	513625	0.000750183	622314	513281	0.0041343	622362	513326	0.006221842
622125	513750	0.000596807	622314	513312	0.004021929	622362	513341	0.005778724
622128	513064	0.002881648	622314	513343	0.003765724	622375	512875	0.00487538
622128	513126	0.002450087	622314	513374	0.003462672	622375	513000	0.01449411
622128	513188	0.001833155	622314	513436	0.002871616	622375	513125	0.015557469
622128	513250	0.001672433	622314	513498	0.002377155	622375	513250	0.010695985
622128	513312	0.001447446	622317	513236	0.005082668	622375	513375	0.005306324
622128	513374	0.001268384	622317	513251	0.00473594	622375	513500	0.003085637
622128	513436	0.001133722	622317	513266	0.004401809	622375	513625	0.002015838
622128	513498	0.000995502	622317	513281	0.004349377	622375	513750	0.00142586
622190	513064	0.003992403	622317	513296	0.004292902	622376	513064	0.003501676
622190	513126	0.003239782	622317	513311	0.004189262	622376	513126	0.015958702
622190	513188	0.002553123	622317	513326	0.004056244	622376	513157	0.019106846
622190	513250	0.002215415	622317	513341	0.003906211	622376	513188	0.016085407
622190	513312	0.00190297	622332	513236	0.005723281	622376	513219	0.013186065
622190	513374	0.001652165	622332	513251	0.005739885	622376	513250	0.010814033
622190	513436	0.001400754	622332	513266	0.005638012	622376	513281	0.008933375
622190	513498	0.001182384	622332	513281	0.005463699	622376	513312	0.007453486
622250	512750	0.001853544	622332	513296	0.00524817	622376	513343	0.006287641
622250	512875	0.003695476	622332	513311	0.005011759	622376	513374	0.005362347
622250	513000	0.005749835	622332	513326	0.00476769	622376	513436	0.004019877
622250	513125	0.004285107	622332	513341	0.004524496	622376	513498	0.003120792
622250	513250	0.00309869	622345	513157	0.009104296	622377	513236	0.011964185
622250	513375	0.002083085	622345	513188	0.00794631	622377	513251	0.010862432
622250	513500	0.001598155	622345	513219	0.007576203	622377	513266	0.009882742
622250	513625	0.001281415	622345	513250	0.007182555	622377	513281	0.009012093
622250	513750	0.001011355	622345	513281	0.006471416	622377	513296	0.008238586
622250	514000	0.000660913	622345	513312	0.005719357	622377	513311	0.007551452
622250	514250	0.000464642	622345	513343	0.005025644	622377	513326	0.006940205
622250	514500	0.000346034	622345	513374	0.004417919	622377	513341	0.006395493
622392	513236	0.014093689	622422	513311	0.008620648	622438	513343	0.007071909
622392	513251	0.012577457	622422	513326	0.007861198	622438	513374	0.005968178
622392	513266	0.01128346	622422	513341	0.00719428	622438	513374	0.005968178
622392	513281	0.010170046	622424	513245	0.013543592	622438	513436	0.004402962

Table G-8

ISCLT2 Model Output - Vinyl Chloride
Former General Instrument Corporation Site
Hicksville, New York

Vinyl Chloride			Vinyl Chloride			Vinyl Chloride		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622392	513296	0.009206262	622424	513252	0.012857202	622438	513498	0.003378361
622392	513311	0.008367971	622424	513259	0.012218385	622445	513245	0.013120066
622392	513326	0.00763521	622424	513266	0.011622952	622445	513252	0.01248736
622392	513341	0.006991776	622424	513273	0.011067217	622445	513259	0.011894744
622407	513157	0.031562891	622424	513280	0.010547631	622445	513266	0.011339233
622407	513188	0.022378285	622424	513287	0.010061437	622445	513273	0.010817976
622407	513219	0.016862139	622424	513294	0.009606237	622445	513280	0.010328366
622407	513236	0.014666628	622431	513245	0.013433614	622445	513287	0.009868516
622407	513250	0.013155272	622431	513252	0.012762481	622445	513294	0.009436328
622407	513251	0.013056011	622431	513259	0.01213666	622447	513260	0.011771374
622407	513266	0.011687135	622431	513266	0.011552346	622447	513261	0.011691264
622407	513281	0.010513464	622431	513273	0.011006163	622447	513262	0.011611876
622407	513296	0.009500544	622431	513280	0.010494736	622447	513263	0.011533213
622407	513311	0.008621839	622431	513287	0.010015672	622447	513264	0.011455257
622407	513312	0.008567471	622431	513294	0.009566639	622447	513265	0.011378009
622407	513326	0.007855593	622437	513236	0.014226851	622447	513266	0.011301455
622407	513341	0.007184197	622437	513251	0.012748979	622447	513267	0.011225592
622407	513343	0.00710104	622437	513266	0.011472357	622448	513250	0.012588679
622407	513374	0.00597374	622437	513281	0.010363793	622448	513253	0.012328886
622410	513245	0.013661295	622437	513296	0.009397523	622448	513256	0.012076155
622410	513252	0.012953762	622437	513311	0.008552501	622448	513259	0.011830265
622410	513259	0.012297305	622437	513326	0.007810683	622448	513260	0.011749782
622410	513266	0.011687113	622437	513341	0.007157064	622448	513261	0.011670028
622410	513273	0.011118994	622438	513064	0.029673467	622448	513262	0.011590995
622410	513280	0.010588956	622438	513126	0.024352796	622448	513263	0.011512673
622410	513287	0.010094069	622438	513157	0.025095968	622448	513264	0.011435062
622410	513294	0.00963147	622438	513188	0.020803958	622448	513265	0.011358143
622417	513245	0.013619903	622438	513188	0.020803956	622448	513266	0.011281919
622417	513252	0.012921309	622438	513219	0.016160334	622448	513267	0.011206376
622417	513259	0.012272221	622438	513245	0.013291719	622448	513268	0.011131511
622417	513266	0.011668117	622438	513250	0.012820675	622448	513271	0.010910791
622417	513273	0.011105034	622438	513252	0.012638593	622449	513260	0.011727733
622417	513280	0.010579199	622438	513259	0.012028265	622449	513261	0.011648343
622417	513287	0.010087726	622438	513266	0.011457338	622449	513262	0.011569666
622417	513294	0.009627981	622438	513273	0.010922755	622449	513263	0.011491697
622422	513236	0.014535061	622438	513280	0.010421325	622449	513264	0.011414426
622422	513251	0.012974241	622438	513281	0.010352289	622449	513265	0.01133785
622422	513266	0.01163849	622438	513287	0.009951086	622449	513266	0.011261956
622422	513281	0.010487149	622438	513294	0.009509762	622449	513267	0.011186738
622422	513296	0.009489201	622438	513312	0.008493301	622450	513260	0.011705233
622450	513261	0.011626214	622453	513260	0.011635101	622457	513260	0.011535661
622450	513262	0.011547899	622453	513261	0.011557217	622457	513261	0.011459348
622450	513263	0.011470285	622453	513262	0.011480017	622457	513262	0.011383696
622450	513264	0.011393365	622453	513263	0.011403496	622457	513263	0.011308691
622450	513265	0.01131713	622453	513264	0.011327651	622457	513263	0.011308691
622450	513266	0.011241572	622453	513265	0.011252469	622457	513264	0.011234338

Table G-8

ISCLT2 Model Output - Vinyl Chloride
Former General Instrument Corporation Site
Hicksville, New York

Vinyl Chloride			Vinyl Chloride			Vinyl Chloride		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622450	513267	0.011166686	622453	513266	0.011177946	622457	513265	0.011160617
622451	513250	0.012508893	622453	513267	0.011104074	622457	513266	0.011087486
622451	513253	0.012253035	622454	513250	0.012424748	622457	513267	0.011014967
622451	513256	0.012004023	622454	513253	0.012172959	622457	513268	0.010943071
622451	513259	0.011761647	622454	513256	0.011927789	622457	513271	0.010731083
622451	513260	0.011682291	622454	513259	0.011689049	622458	513259	0.01158635
622451	513261	0.011603644	622454	513260	0.011610865	622458	513260	0.011509782
622451	513262	0.011525698	622454	513261	0.011533366	622458	513261	0.011433871
622451	513263	0.011448444	622454	513262	0.011456546	622458	513262	0.011358614
622451	513264	0.011371877	622454	513263	0.011380401	622458	513263	0.011283999
622451	513265	0.011295988	622454	513264	0.01130492	622458	513264	0.011210025
622451	513266	0.011220772	622454	513265	0.011230099	622458	513265	0.011136675
622451	513267	0.011146221	622454	513266	0.01115593	622458	513266	0.011063895
622451	513268	0.011072313	622454	513267	0.011082378	622458	513267	0.010991738
622451	513271	0.010854352	622454	513268	0.011009436	622459	513245	0.012697636
622452	513236	0.013764996	622454	513271	0.010794409	622459	513252	0.012111472
622452	513245	0.012921136	622455	513259	0.011663996	622459	513259	0.011559661
622452	513251	0.012395717	622455	513260	0.011586208	622459	513260	0.011483509
622452	513252	0.012310881	622455	513261	0.011509102	622459	513261	0.011408007
622452	513259	0.01173788	622455	513262	0.011432666	622459	513262	0.011333145
622452	513260	0.011658913	622455	513263	0.011356896	622459	513263	0.011258925
622452	513261	0.011580643	622455	513264	0.011281787	622459	513264	0.011185336
622452	513262	0.01150307	622455	513265	0.011207331	622459	513265	0.011112336
622452	513263	0.01142618	622455	513266	0.011133519	622459	513266	0.011039927
622452	513264	0.011349971	622455	513267	0.011060293	622459	513267	0.010968138
622452	513265	0.011274433	622456	513259	0.011638523	622459	513273	0.010550076
622452	513266	0.011199563	622456	513260	0.011561141	622459	513280	0.010088524
622452	513267	0.011125352	622456	513261	0.011484426	622459	513287	0.009653507
622452	513273	0.010693255	622456	513262	0.011408377	622459	513294	0.009243332
622452	513280	0.010217008	622456	513263	0.011332993	622460	513250	0.012244158
622452	513281	0.010151321	622456	513264	0.011258257	622460	513253	0.012000846
622452	513287	0.009768954	622456	513265	0.011184168	622460	513256	0.011763711
622452	513294	0.009347197	622456	513266	0.011110699	622460	513259	0.011532581
622452	513296	0.009231271	622456	513267	0.011037819	622460	513260	0.011456844
622452	513311	0.008421713	622457	513250	0.012336436	622460	513261	0.01138175
622452	513326	0.007707326	622457	513253	0.012088831	622460	513262	0.011307294
622452	513341	0.007075082	622457	513256	0.011847627	622460	513263	0.01123347
622453	513259	0.011713679	622457	513259	0.01161264	622460	513264	0.011160271
622460	513265	0.011087625	622466	513273	0.010390042	622475	513253	0.011253133
622460	513266	0.011015591	622466	513280	0.009944302	622475	513256	0.011094389
622460	513268	0.010873361	622466	513287	0.009523385	622475	513259	0.010936515
622460	513271	0.010664512	622466	513294	0.009125791	622475	513262	0.01077964
622461	513259	0.011505113	622467	513236	0.012887721	622475	513265	0.010624068
622461	513260	0.011429798	622467	513251	0.011936302	622475	513268	0.010469926
622461	513261	0.01135512	622467	513266	0.010835409	622475	513271	0.010287702
622461	513262	0.011281069	622467	513281	0.009861195	622478	513250	0.011187923

Table G-8

ISCLT2 Model Output - Vinyl Chloride
Former General Instrument Corporation Site
Hicksville, New York

Vinyl Chloride			Vinyl Chloride			Vinyl Chloride		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622461	513263	0.011207643	622467	513296	0.00899893	622478	513253	0.011036158
622461	513264	0.011134811	622467	513311	0.008234648	622478	513256	0.010884894
622461	513265	0.011062547	622467	513326	0.007555964	622478	513259	0.010734135
622461	513266	0.010990896	622467	513341	0.006952047	622478	513262	0.010584218
622462	513259	0.011477267	622469	513157	0.01525132	622478	513265	0.010435342
622462	513260	0.011402376	622469	513188	0.015224583	622478	513268	0.010287643
622462	513261	0.011328112	622469	513219	0.013710464	622478	513271	0.010141242
622462	513262	0.011254474	622469	513250	0.011870337	622480	513245	0.011284297
622462	513263	0.011181452	622469	513253	0.011694563	622480	513252	0.010941828
622462	513264	0.011108983	622469	513256	0.011491272	622480	513259	0.010600419
622462	513265	0.011037109	622469	513259	0.011272233	622480	513266	0.010262575
622462	513266	0.010965842	622469	513262	0.01105831	622480	513273	0.009930477
622463	513250	0.012148123	622469	513265	0.010849434	622480	513280	0.009605554
622463	513253	0.0119092	622469	513268	0.010645594	622480	513287	0.009224256
622463	513256	0.011676225	622469	513271	0.010446662	622480	513294	0.008854192
622463	513259	0.011449044	622469	513281	0.009817365	622481	513250	0.010966015
622463	513260	0.011374582	622469	513312	0.008158471	622481	513253	0.010821776
622463	513261	0.011300737	622469	513343	0.006857879	622481	513256	0.010677717
622463	513262	0.011227514	622469	513374	0.00582899	622481	513259	0.01053393
622463	513263	0.011154881	622472	513250	0.011640156	622481	513262	0.010390777
622463	513264	0.011082797	622472	513253	0.011472629	622481	513265	0.010248424
622463	513265	0.011011315	622472	513256	0.011306183	622481	513268	0.010107008
622463	513266	0.010940437	622472	513259	0.011140995	622481	513271	0.009966659
622463	513268	0.010800448	622472	513262	0.010969249	622482	513236	0.011549047
622463	513271	0.010594826	622472	513265	0.010764169	622482	513251	0.010845423
622466	513245	0.012413648	622472	513268	0.010563945	622482	513266	0.010139976
622466	513250	0.012048537	622472	513271	0.010368461	622482	513281	0.009456175
622466	513252	0.011891588	622473	513245	0.011840383	622482	513296	0.008710768
622466	513253	0.01181408	622473	513252	0.01145403	622482	513311	0.007999091
622466	513256	0.011585349	622473	513259	0.01107261	622482	513326	0.00736257
622466	513259	0.011362204	622473	513266	0.010668282	622482	513341	0.006792568
622466	513262	0.011144473	622473	513273	0.010214819	622484	513250	0.010746999
622466	513265	0.010931868	622473	513280	0.0097858	622484	513253	0.010610047
622466	513266	0.010862166	622473	513287	0.009379861	622484	513256	0.010472939
622466	513268	0.010724476	622473	513294	0.008995691	622484	513259	0.010335969
622466	513271	0.010522163	622475	513250	0.011412658	622484	513262	0.010199392
622484	513265	0.010063381	622500	513374	0.005577713	622624	513250	0.00467234
622484	513268	0.009928085	622500	513375	0.005551165	622624	513281	0.004224563
622484	513271	0.009793627	622500	513436	0.004216242	622624	513312	0.003851837
622487	513245	0.010746246	622500	513498	0.003284863	622624	513343	0.003688468
622487	513252	0.010444372	622500	513500	0.003260011	622624	513374	0.003481491
622487	513259	0.010140309	622500	513625	0.002128572	622624	513374	0.003481491
622487	513266	0.009837088	622500	513750	0.001500502	622624	513436	0.003030252
622487	513273	0.009536823	622500	514000	0.00086859	622624	513498	0.002604836
622487	513280	0.009241188	622500	514250	0.000572697	622625	512875	0.003361591
622487	513287	0.00895142	622500	514500	0.00040989	622625	513000	0.004768373

Table G-8

ISCLT2 Model Output - Vinyl Chloride
Former General Instrument Corporation Site
Hicksville, New York

Vinyl Chloride			Vinyl Chloride			Vinyl Chloride		
<u>UTME</u>	<u>UTMN</u>	<u>Impact (µg/m³)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact (µg/m³)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact (µg/m³)</u>
622487	513294	0.008668457	622500	515000	0.000244531	622625	513125	0.00603637
622494	513245	0.010226883	622531	513157	0.010347521	622625	513250	0.004652528
622494	513252	0.009962291	622531	513188	0.009084524	622625	513375	0.003459006
622494	513259	0.009693029	622531	513219	0.008074397	622625	513500	0.002584609
622494	513266	0.0094221	622531	513250	0.007721814	622625	513625	0.001911768
622494	513273	0.009151774	622531	513281	0.007113267	622625	513750	0.001405651
622494	513280	0.008883804	622531	513312	0.006428054	622655	513157	0.004911381
622494	513287	0.008619579	622531	513343	0.005756961	622655	513188	0.004681535
622494	513294	0.008360184	622531	513374	0.005139706	622655	513219	0.004409257
622497	513236	0.010317427	622562	513064	0.009115862	622655	513250	0.004093889
622497	513251	0.009796648	622562	513126	0.009199535	622655	513281	0.003760396
622497	513266	0.00924764	622562	513157	0.008553589	622655	513312	0.003428078
622497	513281	0.008696499	622562	513188	0.007732587	622655	513343	0.00315103
622497	513296	0.008159143	622562	513219	0.00686618	622655	513374	0.003027006
622497	513311	0.007645124	622562	513250	0.006150679	622686	513064	0.004061695
622497	513326	0.007133773	622562	513281	0.005865255	622686	513126	0.004228673
622497	513341	0.006601827	622562	513312	0.005451902	622686	513157	0.004159912
622500	511500	0.000161417	622562	513343	0.004996114	622686	513188	0.004007151
622500	512000	0.00031951	622562	513374	0.004544928	622686	513219	0.003813934
622500	512500	0.000994592	622562	513436	0.003736146	622686	513250	0.003589871
622500	512750	0.00270232	622562	513498	0.003056404	622686	513281	0.003342662
622500	512875	0.005525767	622593	513157	0.007056947	622686	513312	0.003087619
622500	513000	0.012047824	622593	513188	0.006532854	622686	513343	0.002835862
622500	513064	0.015864702	622593	513219	0.005937182	622686	513374	0.00262528
622500	513125	0.014555737	622593	513250	0.005321091	622686	513436	0.002414541
622500	513126	0.014482005	622593	513281	0.004809417	622686	513498	0.002163023
622500	513157	0.012350027	622593	513312	0.004592423	622748	513064	0.002968882
622500	513188	0.01088635	622593	513343	0.004303724	622748	513126	0.003093921
622500	513219	0.01055122	622593	513374	0.003988836	622748	513188	0.003009272
622500	513250	0.00962982	622624	513064	0.005870225	622748	513250	0.002785953
622500	513281	0.00854862	622624	513126	0.006070527	622748	513312	0.002500941
622500	513312	0.007503635	622624	513157	0.005858999	622748	513374	0.002188138
622500	513343	0.006494472	622624	513188	0.005518946	622748	513436	0.001905941
622500	513374	0.005577713	622624	513219	0.005114696	622748	513498	0.001776568
622750	512750	0.001535701	623000	513250	0.00121527	623750	512750	0.000250796
622750	512875	0.002003839	623000	513375	0.001114911	623750	513000	0.000285343
622750	513000	0.002628742	623000	513500	0.000977453	623750	513250	0.000303672
622750	513125	0.003064795	623000	513625	0.000828696	623750	513500	0.000298743
622750	513250	0.002763998	623000	513750	0.000731342	623750	513750	0.000277608
622750	513375	0.002170977	623000	514000	0.000585587	623750	514000	0.000248639
622750	513500	0.001760474	623000	514250	0.000458996	623750	514250	0.000216588
622750	513625	0.001456342	623000	514500	0.000364056	623750	514500	0.000190582
622750	513750	0.001184261	623000	515000	0.000233069	624000	511000	8.18377E-05
622750	514000	0.000791433	623000	516000	0.000120201	624000	511500	0.000103209
622750	514250	0.000545739	623000	517000	7.49296E-05	624000	512000	0.000133497
622750	514500	0.000399563	623000	518000	5.21768E-05	624000	512500	0.000165908

Table G-8

ISCLT2 Model Output - Vinyl Chloride
Former General Instrument Corporation Site
Hicksville, New York

Vinyl Chloride			Vinyl Chloride			Vinyl Chloride		
<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Impact ($\mu\text{g}/\text{m}^3$)</u>
622810	513064	0.002264808	623125	512875	0.000714285	624000	512750	0.000193545
622810	513126	0.002357587	623125	513000	0.000818122	624000	513000	0.000214069
622810	513188	0.002329359	623125	513125	0.000879751	624000	513250	0.000226352
622810	513250	0.002199236	623125	513250	0.000886496	624000	513500	0.000226283
622810	513312	0.002037438	623125	513375	0.000836683	624000	513750	0.000215074
622810	513374	0.001839492	623125	513500	0.000767253	624000	514000	0.000199874
622810	513436	0.001634322	623125	513625	0.000680352	624000	514250	0.000180548
622810	513498	0.001450476	623125	513750	0.00059211	624000	514500	0.000160493
622872	513064	0.001786473	623250	512750	0.000481903	624000	515000	0.000134545
622872	513126	0.001856213	623250	512875	0.000562246	624000	516000	9.55376E-05
622872	513188	0.001852037	623250	513000	0.00062561	624000	517000	6.85698E-05
622872	513250	0.001780896	623250	513125	0.000665477	624000	518000	4.97573E-05
622872	513312	0.001677067	623250	513250	0.000676031	624500	511500	7.93995E-05
622872	513374	0.001551471	623250	513375	0.000653115	624500	512000	9.353E-05
622872	513436	0.001411147	623250	513500	0.000612489	624500	512500	0.000114472
622872	513498	0.001270487	623250	513625	0.000561297	624500	513000	0.000135573
622875	512875	0.001276503	623250	513750	0.000504045	624500	513500	0.000143917
622875	513000	0.001640824	623250	514000	0.000410034	624500	514000	0.000135469
622875	513125	0.001835617	623250	514250	0.000353536	624500	514500	0.000119411
622875	513250	0.001763614	623250	514500	0.000298466	624500	515000	0.00010046
622875	513375	0.001536823	623500	511500	0.000139451	625000	511000	5.35573E-05
622875	513500	0.00125836	623500	512000	0.000197409	625000	511500	6.17693E-05
622875	513625	0.001074832	623500	512500	0.000281034	625000	512000	6.86632E-05
622875	513750	0.000938148	623500	512750	0.000338962	625000	512500	8.3953E-05
623000	511000	0.000109449	623500	513000	0.000403946	625000	513000	9.50479E-05
623000	511500	0.00017442	623500	513250	0.000433138	625000	513500	0.000100673
623000	512000	0.000303408	623500	513500	0.000413373	625000	514000	9.81435E-05
623000	512500	0.000580119	623500	513750	0.000369055	625000	514500	9.07914E-05
623000	512750	0.000801724	623500	514000	0.000313172	625000	515000	8.07368E-05
623000	512875	0.000935726	623500	514250	0.000267266	625000	516000	6.32933E-05
623000	513000	0.001121706	623500	514500	0.000239636	625000	517000	5.21098E-05
623000	513125	0.001225103	623500	515000	0.000185288	625000	518000	4.23789E-05
626000	511000	3.68724E-05						
626000	512000	4.56445E-05						
626000	513000	5.57141E-05						
626000	514000	5.88802E-05						
626000	515000	5.39121E-05						
626000	516000	4.55042E-05						
626000	517000	3.83202E-05						
626000	518000	3.36602E-05						
627000	511000	2.65973E-05						
627000	512000	3.25996E-05						
627000	513000	3.75159E-05						
627000	514000	3.97757E-05						
627000	515000	3.8193E-05						
627000	516000	3.4633E-05						

Table G-8

ISCLT2 Model Output - Vinyl Chloride
Former General Instrument Corporation Site
Hicksville, New York

<u>UTME</u>	<u>UTMN</u>	<u>Vinyl Chloride Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Vinyl Chloride Impact ($\mu\text{g}/\text{m}^3$)</u>	<u>UTME</u>	<u>UTMN</u>	<u>Vinyl Chloride Impact ($\mu\text{g}/\text{m}^3$)</u>
627000	517000	3.00986E-05						
627000	518000	2.63881E-05						
628000	511000	2.07862E-05						
628000	512000	2.46627E-05						
628000	513000	2.74662E-05						
628000	514000	2.90582E-05						
628000	515000	2.8694E-05						
628000	516000	2.70127E-05						
628000	517000	2.45491E-05						
628000	518000	2.18248E-05						
Maximum =		0.0316						

***** AIR GUIDE 1 - ANALYSIS *****

***** INPUT DATA *****

LOC	FAC	E.P.	CAS #	SOURCE	HA, or h(AREA) hs TYPE FEET FEET	D IN.	T F	V FPS	Q ACFM	EMISSIONS #/HOURL	EMISSIONS #/YEAR	DPL, or BW, or D(AREA) S(AREA) FT FT	BL FT
Facility Name & Address: Former GIC Site 508 Duffy Avenue Hicksville													
SIC Code: 0 Application: UTME: 622396. UTMN: 513078. BL FACING DIRECTION: 0.0 %CONTROL: 0.0000													
1			Form TOTAL 00540-59-0	POINT	8. 20. 10.	75.	92.00	3000.00	0.07870	690.	635.	12.	60.
Facility Name & Address: Former GIC Site 508 Duffy Avenue Hicksville													
SIC Code: 0 Application: UTME: 622396. UTMN: 513078. BL FACING DIRECTION: 0.0 %CONTROL: 0.0000													
1			Form TOTAL 00095-50-1	POINT	8. 20. 10.	75.	92.00	3000.00	0.00687	60.	635.	12.	60.
Facility Name & Address: Former GIC Site 508 Duffy Avenue Hicksville													
SIC Code: 0 Application: UTME: 622396. UTMN: 513078. BL FACING DIRECTION: 0.0 %CONTROL: 0.0000													
1			Form TOTAL 00075-35-4	POINT	8. 20. 10.	75.	92.00	3000.00	0.00162	14.	635.	12.	60.
Facility Name & Address: Former GIC Site 508 Duffy Avenue Hicksville													
SIC Code: 0 Application: UTME: 622396. UTMN: 513078. BL FACING DIRECTION: 0.0 %CONTROL: 0.0000													
1			Form TOTAL 00127-18-4	POINT	8. 20. 10.	75.	92.00	3000.00	0.05790	507.	635.	12.	60.
Facility Name & Address: Former GIC Site 508 Duffy Avenue Hicksville													
SIC Code: 0 Application: UTME: 622396. UTMN: 513078. BL FACING DIRECTION: 0.0 %CONTROL: 0.0000													
1			Form TOTAL 00071-55-6	POINT	8. 20. 10.	75.	92.00	3000.00	0.00108	9.	635.	12.	60.
Facility Name & Address: Former GIC Site 508 Duffy Avenue Hicksville													
SIC Code: 0 Application: UTME: 622396. UTMN: 513078. BL FACING DIRECTION: 0.0 %CONTROL: 0.0000													
1			Form TOTAL 00108-88-3	POINT	8. 20. 10.	75.	92.00	3000.00	0.00045	4.	635.	12.	60.
Facility Name & Address: Former GIC Site 508 Duffy Avenue Hicksville													
SIC Code: 0 Application: UTME: 622396. UTMN: 513078. BL FACING DIRECTION: 0.0 %CONTROL: 0.0000													
1			Form TOTAL 00079-01-6	POINT	8. 20. 10.	75.	92.00	3000.00	0.02150	189.	635.	12.	60.
Facility Name & Address: Former GIC Site 508 Duffy Avenue Hicksville													
SIC Code: 0 Application: UTME: 622396. UTMN: 513078. BL FACING DIRECTION: 0.0 %CONTROL: 0.0000													
1			Form TOTAL 00075-01-4	POINT	8. 20. 10.	75.	92.00	3000.00	0.01030	90.	635.	12.	60.

CONTAMINANT TOXICITY PROFILE FOR AIR GUIDE 1 ANALYSIS

CONTAMINANT NAME	CAS NUMBER	SGC ug/m3	HOW SGC ASSIGNED	AGC ug/m3	HOW AGC ASSIGNED	DAR TOXICITY	COMMENTS
METHYL CHLOROFORM	00071-55-6	68000.00000	NYSDEC	1000.000000000	NYSDEC	LOW	H,I
VINYL CHLORIDE	00075-01-4	180000.00000	NYSDEC	0.020000000	NYSDEC	HIGH	A,H
VINYLDENE CHLORIDE	00075-35-4	0.00000	NO SGC EXISTS	0.020000000	EPA	HIGH	H,U
TRICHLOROETHYLENE	00079-01-6	54000.00000	VINYL CHLORIDE	0.450000000	NYSDEC	MODERATE	H,I,U
DICHLOROBENZENE, O-	00095-50-1	30000.00000	VINYL CHLORIDE	360.000000000	ACGIH TWA-TLV	MODERATE	I
TOLUENE	00108-88-3	37000.00000	NYSDEC	400.000000000	EPA	LOW	H
TETRACHLOROETHYLENE	00127-18-4	1000.00000	NYSDOH	1.000000000	NYSDOH	MODERATE	H,I,U
DICHLOROETHYLENE, 12	00540-59-0	0.00000	NO SGC EXISTS	1900.000000000	ACGIH TWA-TLV	MODERATE	

COMMENTS :

(A) ACGIH Human Carcinogen.

(H) HAP identified by 1990 CAAA.

(I) Refer to ACGIH Handbook.

(U) AGC equivalent to "one in a million risk".

EMISSION POINT AND CONTAMINANT IMPACT SUMMARY OF AIR GUIDE 1 ANALYSIS

							SHORT-TERM	CAVITY	POINT or AREA SOURCE	
							IMPACT	IMPACT	IMPACT	
				EMISSIONS	EMISSIONS	ANNUAL	MAXIMUM	ACTUAL	POTENTIAL	ACTUAL
LOC	FAC	E.P.	CAS NUMBER	#/HOUR	#/YEAR	EMISSIONS	(Cav,Pt,Area)	ANNUAL	ANNUAL	ANNUAL
*****	****	*****	*****	*****	*****	*****	*****	*****	*****	*****
1	Form	TOTAL	00540-59-0	0.078700	690.0000	0.078767	73.377716	0.000000	1.245017	1.247503
1	Form	TOTAL	00095-50-1	0.006870	60.2000	0.006872	6.405399	0.000000	0.108682	0.108840
1	Form	TOTAL	00075-35-4	0.001620	14.2000	0.001621	1.510444	0.000000	0.025628	0.025673
1	Form	TOTAL	00127-18-4	0.057900	507.0000	0.057877	53.984367	0.000000	0.915966	0.916644
1	Form	TOTAL	00071-55-6	0.001080	9.4600	0.001080	1.006962	0.000000	0.017085	0.017103
1	Form	TOTAL	00108-88-3	0.000450	3.9400	0.000450	0.419568	0.000000	0.007119	0.007123
1	Form	TOTAL	00079-01-6	0.021500	189.0000	0.021575	20.046009	0.000000	0.340125	0.341707
1	Form	TOTAL	00075-01-4	0.010300	89.9000	0.010263	9.603437	0.000000	0.162944	0.162537

SUMMARY TOTALS				0.178420	1563.7000	0.178505	166.353897	0.000000	2.822566	2.827132

EMISSION POINT AND CONTAMINANT ASSESSMENT OF AIR GUIDE 1 ANALYSIS

LOC	FAC	E.P.	CAS NUMBER			SHORT-TERM	CAVITY	POINT or AREA SOURCE	
				AGC	SGC	IMPACT	IMPACT	IMPACT	IMPACT
				ug/m3	ug/m3	MAXIMUM	ACTUAL	POTENTIAL	ACTUAL
						(Cav, Pt, Area)	ANNUAL	ANNUAL	ANNUAL
						% OF SGC	% OF AGC	% OF AGC	% OF AGC
1	Form TOTAL	00540-59-0		1900.000000000	0.0000	0.0000	0.0000	0.0655	0.0657
1	Form TOTAL	00095-50-1		360.000000000	30000.0000	0.0214	0.0000	0.0302	0.0302
1	Form TOTAL	00075-35-4		0.020000000	0.0000	0.0000	0.0000	128.1403	128.3663
1	Form TOTAL	00127-18-4		1.000000000	1000.0000	5.3984	0.0000	91.5966	91.6644
1	Form TOTAL	00071-55-6		1000.000000000	68000.0000	0.0015	0.0000	0.0017	0.0017
1	Form TOTAL	00108-88-3		400.000000000	37000.0000	0.0011	0.0000	0.0018	0.0018
1	Form TOTAL	00079-01-6		0.450000000	54000.0000	0.0371	0.0000	75.5834	75.9350
1	Form TOTAL	00075-01-4		0.020000000	180000.0000	0.0053	0.0000	814.7190	812.6851

SUMMARY TOTALS						5.4649	0.0000	1110.1384	1108.7500

CONTAMINANT IMPACT SUMMARY OF AIR GUIDE 1 ANALYSIS

CAS NUMBER	EMISSIONS #/HOUR	EMISSIONS #/YEAR	ANNUAL EMISSIONS #/HOUR	SUMMATION OF SHORT-TERM IMPACTS, MAXIMUM (Cav, Pt, Area)	SUMMATION OF CAVITY IMPACTS ACTUAL ANNUAL	SUMMATION OF POINT or AREA SOURCE IMPACTS POTENTIAL ANNUAL	ACTUAL ANNUAL
				ug/m3	ug/m3	ug/m3	ug/m3
*****	*****	*****	*****	*****	*****	*****	*****
00071-55-6	0.001080	9.4600	0.001080	1.006962	0.000000	0.017085	0.017103
00075-01-4	0.010300	89.9000	0.010263	9.603437	0.000000	0.162944	0.162537
00075-35-4	0.001620	14.2000	0.001621	1.510444	0.000000	0.025628	0.025673
00079-01-6	0.021500	189.0000	0.021575	20.046009	0.000000	0.340125	0.341707
00095-50-1	0.006870	60.2000	0.006872	6.405399	0.000000	0.108682	0.108840
00108-88-3	0.000450	3.9400	0.000450	0.419568	0.000000	0.007119	0.007123
00127-18-4	0.057900	507.0000	0.057877	53.984367	0.000000	0.915966	0.916644
00540-59-0	0.078700	690.0000	0.078767	73.377716	0.000000	1.245017	1.247503
*****	*****	*****	*****	*****	*****	*****	*****
SUMMARY TOTALS	0.178420	1563.7000	0.178505	166.353897	0.000000	2.822566	2.827131

CONTAMINANT ASSESSMENT SUMMARY OF AIR GUIDE 1 ANALYSIS

CAS NUMBER	AGC ug/m3	SGC ug/m3	SUMMATION OF SHORT-TERM IMPACTS, MAXIMUM (Cav, Pt, Area)	SUMMATION OF CAVITY IMPACTS ACTUAL ANNUAL	SUMMATION OF POINT or AREA SOURCE IMPACTS POTENTIAL ANNUAL	ACTUAL ANNUAL
			% OF SGC	% OF AGC	% OF AGC	% OF AGC
*****	*****	*****	*****	*****	*****	*****
00071-55-6	1000.000000000	68000.0000	0.0015	0.0000	0.0017	0.0017
00075-01-4	0.020000000	180000.0000	0.0053	0.0000	814.7190	812.6851
00075-35-4	0.020000000	0.0000	0.0000	0.0000	128.1403	128.3663
00079-01-6	0.450000000	54000.0000	0.0371	0.0000	75.5834	75.9350
00095-50-1	360.000000000	30000.0000	0.0214	0.0000	0.0302	0.0302
00108-88-3	400.000000000	37000.0000	0.0011	0.0000	0.0018	0.0018
00127-18-4	1.000000000	1000.0000	5.3984	0.0000	91.5966	91.6644
00540-59-0	1900.000000000	0.0000	0.0000	0.0000	0.0655	0.0657
*****	*****	*****	*****	*****	*****	*****
SUMMARY TOTALS			5.4649	0.0000	1110.1385	1108.7500

Sheets