



//PERINT/GIS/GW\_PROJECTS/CY\_2001\_GW\_REPORT/FINAL\_DRAFT\_FIGURES/FIG\_3\_2\_48.dwg

**LEGEND**

- |   |   |  |  |
|---|---|--|--|
| <p>Upper Glacial aquifer</p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> UG Upper Glacial Sands</li> <li><span style="display: inline-block; width: 20px; height: 10px; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black; margin-right: 5px;"></span> UC Upper Glacial Silts &amp; Clays</li> <li><span style="display: inline-block; width: 20px; height: 10px; background: radial-gradient(circle, black 1px, transparent 1px); background-size: 4px 4px; border: 1px solid black; margin-right: 5px;"></span> UU Upton Unit</li> </ul> | <p>Gardiners Clay</p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; height: 10px; background: repeating-linear-gradient(-45deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black; margin-right: 5px;"></span> GL Gardiners Clay</li> <li><span style="display: inline-block; width: 20px; height: 10px; background: repeating-linear-gradient(-45deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black; margin-right: 5px;"></span> GS Gardiners Clay - Silt</li> </ul> | <p>Magothy aquifer</p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; height: 10px; background: repeating-linear-gradient(-45deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black; margin-right: 5px;"></span> MA Magothy Sands and Clay</li> <li><span style="display: inline-block; width: 20px; height: 10px; background: repeating-linear-gradient(-45deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black; margin-right: 5px;"></span> MB Magothy Brown Clay</li> <li><span style="display: inline-block; width: 20px; height: 10px; background: repeating-linear-gradient(-45deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black; margin-right: 5px;"></span> MC Magothy Clays (undifferentiated)</li> <li><span style="display: inline-block; width: 20px; height: 10px; background: repeating-linear-gradient(-45deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black; margin-right: 5px;"></span> MO Magothy - OTHER</li> </ul> | <p><b>000-108</b> BNL Well ID</p> <p><b>ND</b> Indicates not detected at or above laboratory method detection limits</p> <p><b>89.00</b> TVOC Concentration (µg/L)</p> <p><b>5</b> TVOC Contour (µg/L) (Dashed Where Inferred)</p> <p><span style="display: inline-block; width: 10px; border-bottom: 1px dashed black; margin-right: 5px;"></span> Monitoring Well Screen</p> <p><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid blue; margin-right: 5px;"></span> Water Table As Of December 17-20, 2001</p> <p><b>800-79</b><br/>0.97<br/>1.05 Vertical profile location and TVOC Concentration (µg/L)</p> |
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- NOTES:**
- 1) GEOLOGIC INFORMATION SHOWN IS BASED ON ADDITIONAL EXPLORATIONS (e.g., HYDROPUNCHES, GEOPROBES, VERTICAL PROFILES, AND/OR TEST WELLS) DOCUMENTED IN PREVIOUS, MORE DETAILED REPORTS.
  - 2) PLUME DISTRIBUTION BASED ON FOURTH QUARTER 2001 FORMER LANDFILL (FLF) AND OUI/IV SAMPLING EVENTS SUPPLEMENTED WITH SECOND QUARTER 2001 (JUNE) CHEMICAL/ANIMAL HOLES, SELECT SEPTEMBER 2001 RA V SAMPLING DATA AND SELECT NORTH STREET AND MAGOTHY AQUIFER CHARACTERIZATION VERTICAL PROFILE TVOC DATA.
  - 3) PLUME DISTRIBUTION INFERRED PARTIALLY FROM DETAILED INVESTIGATION RESULTS DOCUMENTED AND PRESENTED IN OPERABLE UNIT-SPECIFIC REPORT(S).
  - 4) CONTOUR INTERVAL IS AS SHOWN.
  - 5) BNL WELL ID COLOR CORRESPONDS TO LONG-TERM MONITORING PROGRAM WELL LOCATION MAP.
  - 6) VERTICAL PROFILE DATA IS SCREENING LEVEL QUALITY DATA. TOLUENE DETECTIONS MAY BE LARGELY DUE TO FIELD CONTAMINATION ISSUES. TVOC VALUES POSTED INCLUDE ALL VOLATILE COMPOUNDS ANALYZED, VERTICAL PROFILE DATA IS BEING USED AS GUIDANCE IN CONTOURING TVOC PLUMES.



**BROOKHAVEN**  
NATIONAL LABORATORY

ENVIRONMENTAL SERVICES DIVISION

TITLE: **NORTH STREET (OU I/IV, FORMER LANDFILL, ANIMAL/CHEMICAL PITS AND GLASS HOLES) TVOC HYDROGEOLOGIC CROSS SECTION (G-G')**  
2001 BNL GROUNDWATER STATUS REPORT

DWN: KCK	VT:HZ.: 15:1	DATE: 06/13/02	PROJECT NO.: 07176
CHKD: WRD	APPD: WRD	REV.: -	NOTES: -
FIGURE NO.: 3.2-48			