

**REMEDIAL INVESTIGATION/
FEASIBILITY STUDY REPORT
GENT UNIFORM RENTAL SERVICE –
OPERABLE UNIT 2
SITE # 130056**

WORK ASSIGNMENT NO. D004434-32

Prepared for:

**New York State Department of Environmental Conservation
Albany, New York**

Prepared by:

**MACTEC Engineering and Consulting, P.C.
Portland, Maine**

MACTEC: 3612092134

JULY 2012

REMEDIAL INVESTIGATION/
FEASIBILITY STUDY REPORT
GENT UNIFORM RENTAL SERVICE --
OPERABLE UNIT 2
SITE # 130056

WORK ASSIGNMENT NO. D004434-32

Prepared for:

New York State Department of Environmental Conservation
Albany, New York

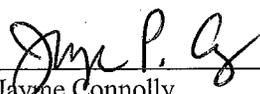
Prepared by:

MACTEC Engineering and Consulting, P.C.
Portland, Maine

MACTEC: 3612092134

JULY 2012

Submitted by:



Jayne Connolly
Project Manager

Approved by:



Mark Stelmack, P.E.
Principal Professional

TABLE OF CONTENTS

LIST OF FIGURES	iv
LIST OF TABLES.....	v
GLOSSARY OF ACRONYMS AND ABBREVIATIONS	vii
1.0 INTRODUCTION	1-1
1.1 REPORT ORGANIZATION	1-2
1.2 PURPOSE OF REPORT	1-3
1.3 SITE BACKGROUND	1-3
1.3.1 Site Description.....	1-4
1.3.2 Site History.....	1-4
1.3.3 Previous Field Investigations and Remedial Efforts (1990 to current)	1-5
2.0 SITE BACKGROUND AND PHYSICAL SETTING	2-1
2.1 TOPOGRAPHY	2-1
2.2 CLIMATE	2-1
2.3 GEOLOGY.....	2-1
2.4 SURFACE WATER HYDROLOGY.....	2-2
2.5 GROUNDWATER HYDROLOGY.....	2-2
3.0 SCOPE OF WORK.....	3-1
3.1 REMEDIAL INVESTIGATION FIELD WORK	3-1
3.1.1 Historical Site Data Review.....	3-2
3.1.2 General Field Activities	3-2
3.1.2.1 Health and Safety.....	3-3
3.1.2.2 Investigation Derived Wastes	3-3
3.1.2.3 Site Survey and Base Map.....	3-3
3.1.3 Field Program Sampling Activities.....	3-4
3.1.3.1 Geoprobe® Direct Push Groundwater Profiling	3-5
3.1.3.2 Groundwater Monitoring Well Installation	3-6
3.1.3.3 Groundwater Microwell Installation.....	3-7
3.1.3.4 Well Development	3-7
3.1.3.5 Groundwater Sampling	3-8
3.1.3.6 Soil Vapor Intrusion Sampling	3-9
3.1.3.6 Surface Water Sampling	3-9
3.1.3.7 DER-31 Implementation.....	3-10
4.0 NATURE AND EXTENT OF CONTAMINATION	4-1
4.1 GROUNDWATER.....	4-1
4.1.1 Direct Push Groundwater Profiling	4-1
4.1.2 Monitoring Well Groundwater Sampling.....	4-2
4.2 SOIL VAPOR INTRUSION SAMPLING	4-5
4.3 SURFACE WATER SAMPLING.....	4-6
5.0 CONTAMINANT FATE AND TRANSPORT	5-1

TABLE OF CONTENTS (CONTINUED)

5.1	CONCEPTUAL SITE MODEL	5-1
5.2	CONTAMINANT CHARACTERISTICS	5-3
6.0	QUALITATIVE HUMAN HEALTH EXPOSURE ASSESSMENT	6-1
6.1	INTRODUCTION.....	6-1
6.2	RECEPTORS, EXPOSURE PATHWAYS, AND EXPOSURE POINTS.....	6-1
7.0	SUMMARY AND CONCLUSIONS.....	7-1
7.1	SUMMARY	7-1
7.2	CONCLUSIONS	7-3
7.3	DATA GAPS AND RECOMMENDATIONS	7-3
8.0	DEVELOPMENT OF REMEDIAL ACTION GOALS AND OBJECTIVES, AND GENERAL RESPONSE ACTIONS FOR CONTAMINATION REQUIRING REMEDIATION	8-1
8.1	IDENTIFICATION OF REMEDIAL ACTION GOALS AND OBJECTIVES	8-1
8.1.1	Remedial Action Objectives for Groundwater	8-2
8.1.2	Remedial Action Objectives for Soil Vapor.....	8-2
8.2	IDENTIFICATION OF GENERAL RESPONSE ACTIONS.....	8-2
8.2.1	General Response Actions for Groundwater	8-3
8.2.2	General Response Action for Soil Vapor	8-3
8.3	EXTENT OF GROUNDWATER CONTAMINATION REQUIRING REMEDIAL ACTION	8-3
9.0	IDENTIFICATION AND SCREENING OF TECHNOLOGIES.....	9-1
9.1	TECHNOLOGY IDENTIFICATION	9-1
9.2	TECHNOLOGY SCREENING.....	9-1
10.0	DEVELOPMENT AND PRELIMINARY SCREENING OF ALTERNATIVES.....	10-1
10.1	DEVELOPMENT OF REMEDIAL ALTERNATIVES.....	10-1
10.1.1	Alternative 1: No Action.....	10-1
10.1.2	Alternative 2: In-situ Enhanced Biodegradation	10-1
10.1.3	Alternative 3: Permeable Reactive Barriers.....	10-2
10.1.4	Alternative 4: In-situ Chemical Oxidation.....	10-3
10.1.5	Alternative 5: Groundwater Extraction and Treatment	10-4
10.2	PRELIMINARY SCREENING OF ALTERNATIVES	10-4
11.0	DETAILED ANALYSIS OF ALTERNATIVES	11-1
11.1	COST ANALYSIS PROCEDURES	11-3
11.2	ALTERNATIVE 1: NO ACTION.....	11-5
11.3	ALTERNATIVE 2A AND 2B: IN-SITU ENHANCED BIODEGRADATION....	11-6
11.3.1	Detailed Evaluation of Alternative 2 (In-Situ Enhanced Biodegradation)....	11-8
11.4	ALTERNATIVES 3A AND 3B: PERMEABLE REACTIVE BARRIERS	11-10
11.4.1	Detailed Evaluation of Alternative 3 (Permeable Reactive Barriers).....	11-12
11.5	ALTERNATIVE 5: GROUNDWATER EXTRACTION AND TREATMENT..	11-14
11.5.1	Detailed Evaluation of Alternative 5 (Groundwater Extraction and Treatment)	11-16

TABLE OF CONTENTS (CONTINUED)

12.0 COMPARATIVE ANALYSIS OF REMEDIAL ALTERNATIVES..... 12-1
12.1 COMPLIANCE WITH STANDARDS, CRITERIA, AND GUIDANCE 12-1
12.2 OVERALL PROTECTION OF PUBLIC HEALTH AND THE ENVIRONMENT..... 12-2
12.3 SHORT-TERM EFFECTIVENESS 12-3
12.4 LONG-TERM EFFECTIVENESS AND PERMANENCE..... 12-3
13.0 REFERENCES..... 13-1

FIGURES

TABLES

APPENDICES

APPENDIX A PREVIOUS INVESTIGATION INFORMATION
APPENDIX B GROUNDWATER VELOCITY CALCULATIONS
APPENDIX C SITE PHOTOGRAPHS
APPENDIX D SITE SURVEY
APPENDIX E FIELD DATA RECORDS
APPENDIX E-1: DIRECT PUSH GROUNDWATER DATA RECORDS
APPENDIX E-2: SOIL BORING LOGS
APPENDIX E-3: MONITORING WELL CONSTRUCTION DIAGRAMS
APPENDIX E-4: MICROWELL CONSTRUCTION DIAGRAMS
APPENDIX E-5: WELL DEVELOPMENT RECORDS
APPENDIX E-6: LOW FLOW GROUNDWATER SAMPLING RECORDS
APPENDIX E-7: SUMMA CERTIFICATE OF ANALYSIS RECORDS
APPENDIX F DUSR AND VALIDATED LABORATORY RESULTS
APPENDIX G NATURAL ATTENUATION SCREENING PROTOCOL FORMS
APPENDIX H DETAILED COST ANALYSIS BACKUP
APPENDIX I ALTERNATIVES 3A AND 3B: PERMEABLE REACTIVE BARRIERS – CALCULATIONS, REFERENCES AND ASSUMPTIONS
APPENDIX J CALCULATIONS

LIST OF FIGURES

Figure

- 2.1 Site Location
- 2.2 January 2010 Interpreted Groundwater Contours
- 2.3 May 2010 Interpreted Groundwater Contours
- 2.4 January 2011 Interpreted Groundwater Contours

- 3.1 Area Sampling Locations

- 4.1 Maximum PCE Results in Groundwater
- 4.2 Maximum TCE Results in Groundwater

- 5.1 Interpreted Cross Section A-A' Total Selected VOCs Detected in OU2 Groundwater

LIST OF TABLES

Table

- 2.1 Groundwater Monitoring Well Details
- 2.2 Groundwater Monitoring Well Elevations

- 3.1 Remedial Investigation Field Activities

- 4.1 Groundwater Profiling Selected VOC Results
- 4.2 Groundwater Profiling SVOC Results
- 4.3 Groundwater Monitoring Well VOC Results
- 4.4 Groundwater Monitoring Well SVOC Results
- 4.5 Groundwater Monitoring Well Metals Results
- 4.6 Monitored Natural Attenuation Parameter Results
- 4.7 2010 Soil Vapor Intrusion Results
- 4.8 2012 Surface Water VOC Results

- 5.1 Conceptual Site Model

- 8.1 Nature and Extent of Groundwater Contamination

- 9.1 Identification and Screening of Remedial Technologies

- 10.1 Preliminary Screening of Remedial Alternatives

- 11.1 Applicable Location- and Action-Specific Standards, Criteria, and Guidance
- 11.2 Cost Summary for Alternative 2a
- 11.3 Cost Summary for Alternative 2b
- 11.4 Cost Summary for Alternative 3a
- 11.5 Cost Summary for Alternative 3b
- 11.6 Cost Summary for Alternative 5a

LIST OF TABLES (CONTINUED)

- 11.7 Cost Summary for Alternative 5b

- 12.1 Summary of Estimated Remedial Alternative Costs
- 12.2 Comparative Analysis of Remedial Alternatives

GLOSSARY OF ACRONYMS AND ABBREVIATIONS

AS	air sparge
ASP	Analytical Services Protocols
ATSDR	Agency for Toxic Substances and Disease Registry
AWQS	Ambient Water Quality Standard and Guidance Values
bgs	below ground surface
Biochlor	Biochlor Model ²
cis-1,2-DCE	cis-1,2-dichloroethene
COC	contaminant of concern
COPC	contaminants of potential concern
C _{sat}	Soil Saturation Limit
CSM	Conceptual Site Model
DER	Division of Environmental Remediation
DNAPL	dense non-aqueous phase liquid
DUSR	data usability summary report
°F	degrees Fahrenheit
FAP	Field Activities Plan
FDR	Field Data Record
FS	Feasibility Study
ft/d	feet per day
ft/ft	feet per foot
Gent Uniform	Gent Uniform Rental Service
g/g	gram per gram
Hg	mercury
HSA	Hollow Stem Auger

GLOSSARY OF ACRONYMS AND ABBREVIATIONS (CONTINUED)

ID	inside diameter
IDW	investigation derived waste
K	hydraulic conductivity
Kg/L	kilograms per liter
MACTEC	MACTEC Engineering and Consulting, P.C.
mL/g	milliliter per gram
mg/kg	milligram(s) per kilogram
mg/L	milligram(s) per liter
MNA	monitoring natural attenuation
msl	mean sea level
NIOSH	National Institute for Occupational Safety and Health
NPW	net present worth
NYCRR	New York Codes, Rules, and Regulations
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
O&M	operation and maintenance
OM&M	Operation, Maintenance, and Monitoring
ORP	oxidation reduction potential
OU	Operable Unit
PCE	tetrachloroethene
PID	photoionization detector
ppb	parts per billion
ppm	parts per million
PSA	Preliminary Site Assessment
PVC	polyvinyl chloride

GLOSSARY OF ACRONYMS AND ABBREVIATIONS (CONTINUED)

QAPP	Quality Assurance Program Plan
QC	Quality Control
QHHEA	Qualitative Human Health Exposure Assessment
RAOs	Remedial Action Objectives
Report	Remedial Investigation Report
RI	Remedial Investigation
ROD	Record of Decision
SCGs	standards, criteria and guidance values
Site	Gent Uniform Rental Service Site
SVE	soil vapor extraction
SVI	soil vapor intrusion
SVOC	semivolatile organic compound
SW	supply well
TAL	target analyte list
TCE	trichloroethene
µg/L	microgram(s) per liter
µg/M ³	microgram(s) per cubic meter
USCS	Unified Soil Classification System
USDOT	United States Department of Transportation
USEPA	United States Environmental Protection Agency
VC	vinyl chloride
VOC	volatile organic compound
WA	Work Assignment
WP	Work Plan

1.0 INTRODUCTION

This Remedial Investigation/Feasibility Study (RI/FS) report (Report) has been prepared by MACTEC Engineering and Consulting, P.C. (MACTEC) in response to Work Assignment (WA) No. D004434-32 from the New York State Department of Environmental Conservation (NYSDEC) for the Gent Uniform Rental Service (Gent Uniform) site (Site) in the Town of Massapequa, Nassau County, New York. The Site is listed as a Class 2 Inactive hazardous waste site, Site Number 1-30-056, in the Registry of Hazardous Waste Sites in New York State (NYS). This Report has been prepared as part of the scope of work defined in WA No. D004434-32, dated on July 16, 2009 (NYSDEC, 2009), and in response to the Site's Record of Decision (ROD) for Operable Unit 1 (OU1) (NYSDEC, 2005b) and OU2 (off-site groundwater contamination).

In 1999, the NYSDEC listed the site as a Class 2 site in the Registry of Inactive Hazardous Waste Disposal Sites in New York. A Class 2 site is defined as where hazardous waste presents a significant threat to the public health or the environment and action is required. The Site was split into OU1 and 2 during the initial RI. OU1 refers to the Gent Uniform Property (source area), while OU2 refers to off-site groundwater contamination. A Record of Decision for OU1 was signed in March 2005. The OU1 remedial action was completed in 2007 (NYSDEC, 2009).

Based on the release or threatened release of hazardous waste or that the release or threatened release of hazardous waste at or from the Site, there constitutes a significant threat to public health or the environment as defined in Title 6 of the New York Codes, Rules and Regulations (NYCRR) Part 375 (NYS, 2006). Existing historical site data reviewed was not sufficient to fully characterize off-site groundwater contamination from the Site and therefore the OU2 was performed. This Report presents the technical scope of work for the RI field activities and presents the data collected with interpreted results.

1.1 REPORT ORGANIZATION

The RI/FS report was prepared using the NYSDEC Division of Environmental Remediation (DER)-10 Technical Guidance for Site Investigation and Remediation (NYSDEC, 2010), and consists of the following:

- Section 1.0: Discusses the purpose of the RI, Site history and previous investigations.
- Section 2.0: Summarizes the physical characteristics of the Site and surrounding area. This includes results of physical characteristics as determined during the RI field program.
- Section 3.0: Presents the specific scope of work for the RI.
- Section 4.0: Presents results of the analytical data and discusses the nature and extent of contamination.
- Section 5.0: Discusses the conceptual site model and fate and transport of the Site contaminants.
- Section 6.0: Presents the Qualitative Human Health Exposure Assessment (QHHEA).
- Section 7.0: Presents the RI summary, conclusions, data gaps and recommendations.
- Section 8.0: Develops remedial action goals and objectives, and general response actions for contamination requiring remediation.
- Section 9.0: Identifies and screens technologies.
- Section 10.0: Develops and screens remedial alternatives.
- Section 11.0: Provides a detailed analysis of remedial alternatives.
- Section 12.0: Compares remedial alternatives for compliance with standards, protection of health and environment, and effectiveness.

The Report is supplemented with the following:

- Appendix A – Previous Investigation Information
- Appendix B – Groundwater Velocity Calculations
- Appendix C – Site Photographs
- Appendix D – Survey Data
- Appendix E – Field Data Records
- Appendix F – Data Usability Summary Reports (DUSRs) and Validated Laboratory Results
- Appendix G – Natural Attenuation Screening Protocol Forms
- Appendix H – Detailed Cost Analysis Backup
- Appendix I – Alternatives 3a and 3b: Permeable Reactive Barriers – Calculations, References and Assumptions
- Appendix J – Calculations

1.2 PURPOSE OF REPORT

The objectives of the OU2 are to determine the nature and extent of off-site groundwater contamination associated with the Site. The investigation assessed the potential threats to human health and the environment from the Site by delineating the extent of potential groundwater contamination and associated soil vapor migration. This report presents the technical scope, OU2 data, and interpreted results.

1.3 SITE BACKGROUND

Information pertaining to the history of Site operations and past releases of contamination were reviewed to help prepare the RI/FS Field Activities Plan (FAP) (MACTEC, 2009) for the OU2 investigation.

Historical information reviewed includes:

- Record of Decision, Gent Uniform Rental Service Site Operable Unit No. 1, Massapequa, Town of Oyster Bay, Nassau County, New York; Site Number 1-30-056 (NYSDEC, 2005b),
- Fact Sheet for the Proposed Remedial Action Plan Gent Uniform Rental Service Operable Unit 1 Massapequa, Town of Oyster Bay, Nassau County, New York; Site Number 1-30-056, (NYSDEC, 2005c),
- Roux Associates, Inc., 2005. Remedial Investigation Work Plan, Gent Uniform Rental, Operable Unit 2, Massapequa, New York (Roux, 2005),
- Roux Associates, Inc., 2007. Scope of Work for Soil Vapor Investigation, Gent Uniform Rental, Operable Unit 2, Massapequa, New York (Roux, 2007),
- Work Assignment Issuance/Notice to Proceed, for Gent Uniform Rental Service Site, (NYSDEC, 2009).

The Nassau County Department of Health began an investigation in this area in response to finding tetrachloroethene (PCE) in the tap water at the Range Rover property directly to the south of the Site at a level of 300,000 part per billion (ppb) (which is greater than the solubility of PCE estimated by the National Institute for Occupational Safety and Health [NIOSH] at 200,000 micrograms per liter [$\mu\text{g/L}$]). Investigations completed in 1989 and 1990 found high levels of PCE in groundwater located in the southwest corner of the Site. A State-funded Preliminary Site Assessment (PSA) was performed in 1996 and 1997 on the Site and adjacent property, which revealed high levels of PCE in

soil and shallow groundwater beneath the Gent Uniform building. Based on the results of sub-slab soil samples collected beneath the Gent Uniform building, the unsaturated soil in the upper four feet was observed to be contaminated with PCE in the vicinity of a former grease trap and cesspool. In October 1996, PCE was detected at a concentration of 602,213 ppb in a soil sample collected from the upper two feet adjacent to the abandoned grease trap. In May 1997, PCE was detected at a concentration of 89,000 ppb in groundwater collected from the Site (in monitoring well MW-3) (NYSDEC, 2005b). In 2001, PCE was detected in an off-site groundwater sample (at TW-103) collected approximately 220 feet southeast of the Site at a concentration of 1,600 ppb. An off-site groundwater investigation (OU2) was initiated by the potentially responsible party, but was not completed. Available historic off-site groundwater data are included in Appendix A.

Observations of the Site reconnaissance conducted by MACTEC, information collected, as well as information provided in the WA, are summarized below.

1.3.1 Site Description

The Gent Uniform Site is located at 5680 Merrick Road in Massapequa, Nassau County, New York. The property is approximately 0.3 acres in size and has a chain-linked fence around the perimeter of the Site. The Site is developed with one, two-story masonry building and an asphalt-paved parking and loading area. The Site is bordered on the north by Merrick Road, to the east by Stone Boulevard, and south and west by commercial properties.

1.3.2 Site History

A two-story building used as a residential home, produce stand and delicatessen was constructed on the Site in the 1930's. In 1970, the property was purchased by Lafra Reality Corporation and Gent Uniform began uniform rental operations (Roux Associates Inc, 2005). Dry cleaning services were added at the Site in 1979. Wastewater was discharged to the City sewer system. The dry cleaning machine was removed from the Site in 1998. Uniforms are now cleaned with detergents only. Historical discharges of PCE were discovered to have occurred as a result of a corroded fitting on a grease trap, which caused a release to the former sanitary system located beneath the western side of building. A removal effort was performed to remove soils surrounding the grease trap (NYSDEC, 2005c). This release resulted in PCE contamination of the on-site soil and the on-site

and off-site groundwater. PCE contamination in excess of NYS standards and guidelines has been documented in the soil and groundwater at the site (NYSDEC, 2009).

1.3.3 Previous Field Investigations and Remedial Efforts (1990 to current)

Previous investigations and remedial efforts at the Site include:

- 1990 to 1996 – On-site investigations of soil and groundwater showed PCE impact caused by a corroded fitting associated with the former cesspool/grease trap located in the building. The trap was excavated and associated impacted soil was reportedly excavated to approximately four feet below the slab (filling approximately three drums) and disposed at a licensed treatment, storage and disposal facility.
- 1997 – An air sparge/soil vapor extraction (AS/SVE) system was installed in the vicinity of the former cesspool beneath the building to address remaining PCE in soil and groundwater at the Gent property.
- 1997 to 1999 – Periodic AS/SVE system performance checks were conducted to evaluate/document the effectiveness of the system. The checks reported that PCE concentrations in groundwater decreased, volatile organic compound (VOC) removal rates stabilized, and air emissions complied with standards.
- 2000 – Supplemental groundwater profiling was conducted by Gent Uniform to evaluate the vertical extent of contamination in groundwater. Groundwater results for samples obtained in the southern portion of the Gent property indicated VOCs were detected at depths up to 86.5 feet below ground surface (bgs); therefore, the AS/SVE system was upgraded with the addition of two air sparge wells to treat on-site groundwater at deeper depths.
- 2001 – Gent entered into a Consent Order with NYSDEC to implement an investigation and remediation of on-site and off-site contamination, as well as evaluate the effectiveness of the AS/SVE system. To determine off-site groundwater quality, six profile borings were advanced to collect discrete depth groundwater samples. The shallow groundwater slightly below the water table contained the highest concentrations, with 1,600 ppb of PCE and 510 ppb of cis-1,2-dichloroethene (DCE) as the primary detections. Further investigation was deemed necessary to better define the extent of the groundwater contamination.
- 2003 – An RI was conducted at the Site to define the nature and extent of contamination resulting from past activities in areas of known historical soil contamination, as well as delineate vertical and horizontal extent of groundwater contamination (including off-site). Results showed on-site soil conditions did not require further remediation. On-site groundwater results indicated the highest concentrations of PCE were detected in groundwater hydraulically downgradient from the trap/cesspool in the south-western portion of the property. Off-site groundwater results show highest concentrations of VOCs located to the south-southwest portion of the site. This area is potentially affected by other sites west and upgradient of the Gent facility; therefore additional investigation was recommended.
- 2005 – ROD for OU1 (NYSDEC, 2005b) was signed in March 2005 and documents the selected remedy for on-site contamination and defines off-site groundwater and soil vapor

contamination attributable to the site as OU2. OU2 is noted as being addressed at a future date.

- 2005 – Gent Uniform submitted an RI Work Plan (WP) for OU2 to the NYSDEC for off-site groundwater contamination; however, the RI was not completed by the responsible party and the site has since been managed under the NYSDEC superfund program to complete the investigation.
- 2009 – 2011 – NYSDEC contracted with MACTEC to submit an OU2 WP and implement the OU2 investigation. The OU2 investigation scope of work and findings are the subject of this Report.
- 2010 OU1 Remedy Evaluation – This report documents the evaluation conducted on the operation and effectiveness of the OU1 AS/SVE remedial action.

2.0 SITE BACKGROUND AND PHYSICAL SETTING

The sections below describe the Site topography, climate, surface water and groundwater hydrology, and geology.

2.1 TOPOGRAPHY

The Site is located within the Town of Massapequa, Nassau County, New York and is approximately 10 feet above mean sea level (msl) (see Figure 2.1). The topography of the Site is relatively flat. Generally, the regional topography is also relatively flat, with a gentle slope to the south and east (Roux Associates Inc, 2005).

2.2 CLIMATE

The climate of the area is characterized by moderately warm summers and cool winters. Mean monthly temperatures range from 32 degrees Fahrenheit (°F) in January to 74°F in July. Average semi-annual precipitation is 46 inches (National Climatic Data Center, 1999).

2.3 GEOLOGY

The Site is nearly completely covered with buildings or paved-asphalt. Based on historical soil borings conducted at the Site, subsurface lithology is unconsolidated glacial outwash deposits consisting of mostly sand and gravel. These glacial outwash deposits are approximately 80 feet thick with a clay confining layer encountered at approximately 80 feet. The clay confining layer is referred to as the Gardiners Clay, a marine deposit that ranges across Long Island from 0 to 90 feet in thickness (Roux Associates Inc, 2005).

Soil south of the Gent Uniform building was identified by MACTEC as fine to coarse sand, with trace fine gravel and poorly graded. Direct push groundwater profiling borings DP-1 through DP-17 were advanced to refusal, or at approximately the Gardiners Clay confining layer, which ranged in depths from 72 feet bgs (DP-3 and DP-6) to greater than 92 feet bgs (DP-5 and DP-11).

2.4 SURFACE WATER HYDROLOGY

The closest downgradient surface water body to the Site is South Oyster Bay, a saltwater body south of Long Island. South Oyster Bay is located approximately one mile south of the Site. Two saltwater rivers, Carmans River and Narraskatuck River, which both empty into the South Oyster Bay, are located approximately 900 feet to the west and 1,100 feet to the east, respectively from the Site (NYSDEC, 2009).

2.5 GROUNDWATER HYDROLOGY

Groundwater at the Gent Uniform property was measured at 10 feet bgs (approximately 3 feet above msl), and three to nine feet bgs within the residential property located southwest of the Site (approximately one to two feet above msl). Based on data generated as part of the OU2, groundwater flows southwest, toward Carmans River, a saltwater river. Groundwater was previously interpreted to flow to the southwest from the Site building (Roux Associates Inc, 2005). Table 2.1 and Table 2.2 present monitoring well screening interval information and synoptic water level data collected from 2009 through 2011, respectively. Horizontal gradients for Site monitoring wells based on the January 2010, May 2010, and January 2011 data are shown on Figures 2.2, 2.3, and 2.4, respectively. The average hydraulic gradient is approximately 0.00125 feet per foot (ft/ft).

Potable water in Massapequa is supplied by the New York Water Service. MACTEC identified three supply wells on the Site, and Gent Uniform currently utilizes one supply well (SW-1) for process water at the facility. Supply well SW-1 operates intermittently during operational hours (Roux Associates Inc, 2005).

Site specific hydraulic conductivity (K) testing has not been performed to date. Based on recharge area and aquifer thickness, an estimated K is 125 feet per day (ft/d). Assuming as follows: a release date of approximately 30 years in the past; and a retardation factor of 3.54 for PCE (by also assuming a fraction of organic carbon = 0.002 gram per gram [g/g]; organic carbon partition coefficient = 364 milliliter per gram [mL/g]; and bulk density of 0.43 kilograms per liter [Kg/L]); and that the plume has reached Carmans River; the estimated K is approximately 128 ft/d. Using a K of 1255 ft/d, a hydraulic gradient of 0.00125 ft/ft, and an effective porosity of 0.3, the estimated average groundwater velocity

is approximately 0.52 ft/d or 190 feet per year. Groundwater velocity calculations are included in Appendix B.

3.0 SCOPE OF WORK

The OU2 RI focused on off-site groundwater conditions, and was conducted based on the detection of chlorinated solvents present in Site media. PCE, trichloroethene (TCE), cis-1,2-DCE, and vinyl chloride (VC) are listed hazardous wastes under 6 NYCRR Part 371 (NYS, 1999a). Based on existing Site data, chlorinated solvents (including PCE, TCE, cis-1,2-DCE, and VC) are present in groundwater below the Site and to the south of the Site in groundwater at concentrations above the state Class GA groundwater standards as defined in 6 NYCRR Part 700-705 (NYS, 1999b).

Based on previously collected groundwater and soil data, the Site (OU1) is a potential significant threat to public health and the environment as defined in 6 NYCRR 375 (NYS, 2006). Per the OU1 ROD, an RI was performed on OU2, to evaluate off-site groundwater conditions. A preliminary historical records review was conducted during the preparation of the WP. A Site reconnaissance was conducted on September 22, 2009, and scoping sessions conducted by conference calls on January 27 and April 30, 2010 with the NYSDEC. The field work program was presented in the RI/FS FAP for Gent Uniform Rental Service (MACTEC, 2009).

The OU2 was performed based on the following technical objectives:

- Define the areal and vertical distribution of VOC contamination in off-site groundwater, as well as evaluate groundwater flow direction, and potential for monitored natural attenuation.
- Evaluate contaminant migration pathways and potential receptors (i.e., potential present and future human health exposure pathways). This includes an evaluation of potential impacts to soil vapor and indoor air.
- Collect data to evaluate potential remedial alternatives for the off-site groundwater.

3.1 REMEDIAL INVESTIGATION FIELD WORK

The RI fieldwork was conducted in accordance with the specifications presented in the Quality Assurance Program Plan (QAPP) (MACTEC, 2007) and the Site-specific Quality Assurance Project Plan. Off-site laboratory groundwater analysis was performed by Accutest Laboratory, a New York State Department of Health (NYSDOH) approved laboratory; with the exception of groundwater sampling conducted in May 2010. Groundwater samples collected in May 2010 were analyzed by

Test America Laboratory in Buffalo, New York, a call-out subcontract laboratory to the NYSDEC. Off-site sub-slab soil vapor and indoor air/ambient analyses were performed by Contest Laboratory, a NYSDOH approved laboratory. Off-site laboratory analysis complied with the NYSDEC Analytical Services Protocols (ASP) (NYSDEC, 2005a).

General field activities, including mobilization, health and safety, and decontamination, are described in the following subsections.

3.1.1 Historical Site Data Review

MACTEC reviewed historical groundwater data provided by the NYSDEC to evaluate groundwater contamination trends and contaminant fate and transport. This data is summarized in Section 1.3. Analytical data detailing an off-site groundwater sampling event downgradient from the Site in 2001 are included in Appendix A.

3.1.2 General Field Activities

The general field activities completed, including mobilization, health and safety, and decontamination, are described in the following subsections. Upon approval of the WP, MACTEC and its subcontractors mobilized to the Site and conducted the RI fieldwork activities.

On September 22, 2009, representatives from MACTEC and the NYSDEC conducted a site visit to the Site building and property (OU1) and downgradient residential area (OU2). The Site walkover consisted of viewing the Site and the presumed downgradient area to assess possible contamination sources and logistics for the field program (i.e., existing well locations, drilling and sampling locations and access feasibility). Photo documentation of the Site is included in Appendix C.

An initial field team orientation meeting was held on-site prior to work start-up between MACTEC and subcontractor personnel in order to familiarize field workers with Site history, health and safety requirements, equipment calibration procedures, and other planned investigation methods and procedures.

3.1.2.1 Health and Safety

The RI fieldwork was conducted at Level D personal protection and in compliance with the Site specific Health and Safety Plan (MACTEC, 2009). Daily health and safety meetings were held prior to the commencement of field work.

3.1.2.2 Investigation Derived Wastes

Purge water was generated during groundwater well development and groundwater sampling. During the direct push investigation, purge water that did not contained ~~no~~ a visible sheen, detectable odor, or PID screening level exceeding background (approx. 5 parts per million (ppm)), the purge water was treated as non-hazardous and was allowed to infiltrate into the ground at the sample location. Based results from previous sampling, groundwater that exceeded Class GA groundwater standards as defined in 6 NYCRR Part 700-705 was containerized in United States Department of Transportation (USDOT) approved 55-gallon containers. A total of 20 USDOT 55-gallon drums of groundwater and 15 USDOT 55-gallon drums of soil were generated during monitoring well installation. 18 of the 20 groundwater investigation derived waste (IDW) drums and the 15 soil IDW drums were disposed of as non-hazardous. Two groundwater IDW drums were disposed of as hazardous. Waste manifests are available upon request.

3.1.2.3 Site Survey and Base Map

Popli Design Group completed a certified Site Boundary survey and elevation survey of the RI and Supplemental RI OU2 permanent installations. Horizontal locations were established from a compass azimuth off a USGS monument with NYS Plane Coordinates on it. The site plan provides horizontal locations of relevant Site features at a scale of 1 inch to 10 feet. Relevant features include, but are not limited to structures, buildings, roads, fences, sidewalks, existing wells, underground utilities, and utility poles.

The surveys included the locations and vertical and horizontal measurements of the 9 newly installed monitoring wells, 6 newly installed microwells, 12 existing Site wells, and 2 existing off-site monitoring wells. Horizontal and vertical locations were provided to MACTEC and entered into a database to be used with geographic information system software. The surveyed sample locations are

presented on Figure 3.1. The base map with a summary table of the survey data from the RI field event and elevation survey table from the Supplemental RI are included in Appendix C.

Horizontal locations were tied to the NYS Plane Coordinate System, Long Island Zone using North American Datum of 1983.

Vertical elevations of groundwater monitoring wells were tied to msl, using North American Vertical Datum of 1988, and measured to an accuracy of 0.01 foot. Horizontal well measurements were to an accuracy of 0.1 foot.

3.1.3 Field Program Sampling Activities

Figure 3.1 is an aerial photograph of the Site area and OU2 sampling locations. Table 3.1 identifies field activities accomplished during the OU2 and Supplemental RI events. The RI included the following:

- Collection of 372 groundwater profiling samples for VOC analyses (not including Quality Control [QC]), plus a subset for Semi-Volatile Organic Compound (SVOCs) from 30 Geoprobe® direct push groundwater borings (DP-1 through DP-31, with the exception of DP-27), south and southwest of the Site;
- Installation of 14 new overburden wells (MW-6 to MW-16, including MW-8S, MW-8I, MW-8D, MW-15S and MW-15I) (monitoring wells were installed in three phases);
- Development of 14 new wells;
- Collection of groundwater samples in October 2010 for VOC and SVOC analyses, plus a subset for metals, from nine monitoring wells;
- Collection of a second round of groundwater samples in January 2010 for VOC and SVOC analyses, plus a subset for metals, and monitoring natural attenuation parameters (MNA), from 20 monitoring wells;
- Collection of indoor air and soil vapor intrusion (SVI) samples in January 2010, from a vacant, commercial building adjacent to the Site;
- Collection of indoor air and SVI samples in February and March 2010, from six residences at presumed downgradient locations from the Site;
- Collection of a third round of groundwater samples in May 2010 for VOC analysis from 16 monitoring wells;
- Collection of a fourth round of groundwater samples in January 2011 for VOC and SVOC analyses, plus a subset for metals, from 27 monitoring wells; and
- Collection of two surface water samples in March 2012 from Carmans River.

3.1.3.1 Geoprobe® Direct Push Groundwater Profiling

The existing set of Site monitoring wells did not give sufficient coverage to adequately characterize the limits of the VOC contamination in off-site groundwater. To supplement data from the existing monitoring wells, 30 Geoprobe® profiling borings (DP-1 through DP-31, with the exception of DP-27) were advanced and discrete groundwater samples were collected (Figure 3.1).

Direct push borings DP-1 through DP-17 were advanced to a maximum depth of 92 feet bgs or until refusal. Based on information from historical documents, this depth is the approximate depth of the Gardiners Clay confining layer beneath the Site. Based on results of the initial direct push groundwater profiling event, the extent of groundwater contamination was not bounded to the southwest. Therefore, additional groundwater samples from direct push borings DP-18 through DP-31 were collected. Based on the results from the initial direct push groundwater profiling (Site-related contamination was observed at depths of approximately 20 to 35 bgs), DP-18 through DP-31 were advanced to a depth of 52 feet bgs.

Groundwater samples were collected by using direct push technology to advance a discrete milled-slot sampling device to a desired depth. Groundwater was purged using a peristaltic pump or check valve, depending on geologic conditions. One volume of water approximately equal to the volume in the rods was purged and one set of groundwater parameters including temperature, conductivity, pH, and turbidity was measured prior to sampling, if possible. Purge water that exceeded a PID screening level above background (approx. 5 ppm) was containerized in USDOT approved drums; otherwise it was allowed to infiltrate into the ground at the sample location. To minimize mixing within the water column, groundwater samples were collected in order from the top of the water table, down. Groundwater samples were attempted to be collected at five foot intervals from within the water table.

Groundwater samples were collected for VOC analysis by United States Environmental Protection Agency (USEPA) Method 8260, and a subset for SVOC analysis by USEPA Method 8270. Direct push samples were collected in accordance with techniques as described in Section 4.5.1 of the QAPP (MACTEC, 2007). Groundwater measurements and sampling activities were documented using a Groundwater Grab Field Data Record (FDR) and are presented in Appendix E-1. Off-site groundwater laboratory analysis included Category B deliverables.

3.1.3.2 Groundwater Monitoring Well Installation

To determine OU2 groundwater flow characteristics and quality downgradient of the Site and define the OU2 groundwater plume, eight groundwater monitoring wells were installed in two phases (six in November 2009 and two in December 2009) (Table 3.1). Analytical data from the direct push groundwater profiling was used to determine the placement of the permanent monitoring wells. Monitoring wells were installed within the interpreted OU2 chlorinated solvent groundwater contamination plume, southwest of the Site, to allow monitoring of the contamination.

Eight, 2-inch inside diameter (ID) monitoring wells (MW-6 to MW-11, including MW-8S, MW-8I and MW-8D) were installed to quantitatively characterize shallow groundwater quality (Figure 3.1). OU2 groundwater was encountered between 6 to 11 feet bgs.

Monitoring wells were advanced using hollow stem auger (HSA) drilling techniques. Soil samples were collected from five-foot intervals and then continuously within the screening interval in MW-6, MW-8D and MW-9, using 2-inch split spoons. Soil samples were collected continuously within the screening interval in MW-8I, using 2-inch split spoons. Photoionization detector (PID) readings were used to screen soil samples for the presence of VOCs as each soil sample was removed from the split-spoon. Soil samples were described using the Unified Soil Classification System (USCS). The sample description and classification, VOC reading, and boring observations were recorded on the FDRs and are presented in Appendix E-2.

Monitoring wells were constructed of 2-inch ID schedule 40 polyvinyl chloride (PVC) with ten-foot screens and threaded flush joint riser inside diameter schedule 40 PVC. Monitoring wells were installed using 0.01-inch machine slotted screens, with # 0N sand pack to 2 feet above the top of screen and two feet of bentonite seal above the sand pack. Monitoring wells MW-6, MW-7, MW-8S, MW-10 and MW-11 were installed with screens set across the water table, so they were completed to the surface using #0N sand. Monitoring wells MW-8I and MW-8D were sealed to the surface with a mixture of Type II Portland Cement and quick plug bentonite gel using a tremie pipe. The wells were completed with a 2-inch compression cap and sealed at the ground surface using Portland Cement with a six-inch flush mount steel cover. Monitoring well construction diagrams are included in Appendix E-3.

3.1.3.3 Groundwater Microwell Installation

To further determine groundwater flow characteristics and quality downgradient of the Site and better define the OU2 groundwater plume, six additional groundwater microwells were installed (Table 3.1). Groundwater analytical data from the Supplemental direct push groundwater profiling was used to determine the placement of the permanent microwells (Figure 3.1).

Six, 1-inch ID microwells (MW-12, MW-13, MW-14, MW-15S, MW-15I, and MW-16) were installed to further quantitatively characterize shallow groundwater quality (Figure 3.1). Groundwater was encountered from between 3 to 9 feet bgs. Each boring was advanced using Geoprobe® direct push drilling techniques. Discrete subsurface soil samples were collected using a 4-foot long, 2.5-inch diameter core sampler with an acrylic liner. Soil samples were collected continuously from the ground surface to approximately 10 feet below the groundwater table. PID readings were used to screen soil samples for the presence of VOCs as each soil sample was removed from the sample collection tube. Samples were described using the USCS. Sample descriptions and classifications, PID readings, and boring observations were recorded on the FDRs and are presented in Appendix E-2.

The microwells were constructed of 1-inch ID schedule 40 PVC, with 10-foot lengths of 0.01-inch machine slotted screens. Microwells, with the exception of MW-15I, were screened across the water table to determine water table elevations and create a potentiometric surface map. The wells were constructed with a #0N sand pack to two feet above the screen, two feet of bentonite seal placed above the sand pack, native soil as backfill and sealed at the ground surface with Portland Cement. The wells were fit with a 1.5-inch PVC cap and a six-inch flush mount steel cover. Microwell construction diagrams are included in Appendix E-4.

3.1.3.4 Well Development

Upon completion of well installations, the newly installed monitoring wells were developed (no sooner than 24 hours after installation for wells installed with top of screens below the water table) using pump and surge techniques. The 2-inch monitoring wells were developed with pump and surge techniques using a submersible pump to remove excess sediment, if present, as well as to qualitatively evaluate well conductivity/recharge and remove stagnant water. The 1-inch microwells were

developed for a minimum of twenty minutes using a peristaltic pump to clean the screen and ensure that the wells were conductive with groundwater. Well development records are presented in Appendix E-5.

3.1.3.5 Groundwater Sampling

Four groundwater monitoring rounds were conducted as part of the OU2 (Table 3.1). Groundwater analytical data was used to assess the areal and vertical distribution of OU2 VOC contamination. Prior to groundwater sampling, synoptic groundwater level measurements were collected from existing monitoring wells. Groundwater was sampled from wells using low-flow sampling procedures, as defined in the Field Activities Plan (MACTEC, 2009). When possible, samples were collected from lesser contaminated to more contaminated locations, as determined from the interpreted groundwater flow direction and historic analytical data. Field measurements for pH, temperature, specific conductivity, oxidation reduction potential (ORP), dissolved oxygen, and turbidity were measured through a flow through cell (with the exception of turbidity) from each well during pre-sample purging. These measurements were recorded on the FDRs and are presented in Appendix E-6.

Initial Site conditions were assessed during a Baseline Groundwater Sampling event in October 2010. Groundwater samples were collected from 9 monitoring wells and submitted for VOC and SVOC analyses by USEPA Methods 8260 and 8270. One sample was analyzed for target analyte list (TAL) metals, including mercury using USEPA Methods 6010B/7470A/7471A.

To evaluate OU2 groundwater conditions downgradient from the Site, a second round of groundwater samples was collected from 21 monitoring wells in January 2010. Groundwater samples were submitted for VOC and SVOC analysis by USEPA Method 8260 and 8270, respectively. In addition, three wells were sampled for MNA parameters, including: total organic carbon by USEPA Method 415.1, Nitrate by NYSDEC ASP Method 352.1, Nitrite by NYSDEC ASP Method 354.1, Sulfate by NYSDEC ASP Method 375.4, Sulfide by NYSDEC ASP Method 376.2, Methane/Ethane/Ethene by Method RSK 175, carbon dioxide by calculations method, Alkalinity by Method 310.1, and chloride by Method 325.3. DO and ORP were measured in the field as part of stabilization parameters.

To evaluate seasonal variation in OU2 groundwater, a third round of groundwater samples was collected from 21 monitoring wells in May 2010. Groundwater samples were submitted for VOC analysis by USEPA Method 8260.

To further evaluate off-site groundwater conditions downgradient from the Site, a fourth round of groundwater samples was collected from 27 wells in January 2011. Groundwater samples were submitted for VOC and SVOC analysis by USEPA Methods 8260 and 8270, respectively. Four samples were analyzed for TAL metals, including mercury using USEPA Methods 6010B/7470A/7471A.

3.1.3.6 Soil Vapor Intrusion Sampling

SVI sampling was conducted at OU2 and included one commercial building (vacant) (January 2010) and six residential properties (February and March 2010). A total of seven sub-slab soil vapor samples, seven indoor air samples, three exterior ambient air samples, and two duplicate sub-slab soil vapor samples were collected.

Prior to collecting samples, an indoor air survey was completed using the NYSDOH “Indoor Air Quality Questionnaire and Building Inventory” form. SVI sampling procedures were conducted as detailed in the FAP (MACTEC, 2009).

The samples were shipped to Con-Test Laboratories for analyses of VOCs via USEPA Method TO-15 with a detection limit of 1 microgram per cubic meter ($\mu\text{g}/\text{M}^3$) for most compounds. TCE, VC, and carbon tetrachloride were reported with a detection limit of $0.25 \mu\text{g}/\text{M}^3$ for indoor and ambient air samples.

3.1.3.6 Surface Water Sampling

Two surface water samples were collected in March 2012 from the Carmans River per the request of NYSDEC to evaluate the potential for site-related compounds to impact the River. Surface water samples were submitted for VOC analysis by USEPA Method 8260.

3.1.3.7 DER-31 Implementation

This section describes the NYSDEC DER approach to remediating sites in the context of the larger environment, a concept known as ‘Green Remediation’. The approach is intended to improve the overall sustainability of the investigation by promoting the use of more sustainable practices and technologies. Green Remediation practices and technologies are less disruptive to the environment, generate less IDW, increase reuse and recycling, and emit fewer pollutants, including greenhouse gases, to the atmosphere. Green Remediation concepts and techniques were considered during the RI and the Supplemental RI field events, and include:

- installing microwells using direct push technology with a Geoprobe® device, rather than installing monitoring wells with HSA techniques (reducing emissions to the atmosphere);
- reducing IDW during the Supplemental RI field event (no soil IDW);
- eliminating idling vehicles (when possible);
- managing IDW transportation and disposal to two trips rather than a more frequent schedule (after a major field event rather than individual sampling tasks); and,
- mobilizing to the Site in the same vehicle and renting additional vehicles locally to help reduce the overall carbon footprint.

4.0 NATURE AND EXTENT OF CONTAMINATION

This section presents results of the RI Field Investigation. The subsections below describe results of laboratory analyses for groundwater, sub-slab soil vapor, and indoor/ambient air samples collected during the RI and Supplemental RI field events. To determine whether the laboratory data met the project specific criteria for data quality and data use a DUSR was prepared in accordance with the “Guidance for the Development of Data Usability Reports” (NYSDEC, 2010). The DUSRs are included as Appendix F. The data presented in this report meets the data quality objectives for an RI/FS.

Analytical Results were compared to the following standards, criteria, and guidance (SCG) values:

- Groundwater / Surface Water – Compared to Technical and Operational Guidance Memorandum 1.1.1; Ambient Water Quality Standards and Guidance Values (AWQS) and Groundwater Effluent Limitations (NYSDEC, 1998).
- Soil Vapor and Indoor Air – Compared to Matrices 1 and 2 of the NYSDOH Guidance for Evaluating Vapor Intrusion into Indoor Air in the State of New York (NYSDOH, 2006).

4.1 GROUNDWATER

Off-site groundwater was investigated as part of the OU2 work plan and the Supplemental RI field activities plan. Groundwater samples were collected from 30 temporary Geoprobe® sampling points (DP-1 through DP-31, with the exception of DP-27) and permanent monitoring wells at presumed downgradient locations from the Gent Uniform Site (Figure 3.1).

4.1.1 Direct Push Groundwater Profiling

A total of 30 direct push groundwater profile borings were advanced downgradient from the Gent Uniform property to characterize OU2 groundwater conditions. From November 2009 through December 2010, three direct push groundwater profiling rounds were conducted at downgradient locations from the Gent Uniform property. A total of 372 groundwater grab samples (not including QC) were collected from the 30 direct push locations advanced. Groundwater samples were collected at five-foot intervals by pushing rods to a desired depth. Groundwater was purged from the rods using a check-valve or peristaltic pump and dedicated tubing. Detected VOCs from the direct push

groundwater sampling are presented in Table 4.1. Detected SVOCs from direct push groundwater sampling are presented in Table 4.2. Complete analytical results are presented within the DUSR in Appendix F. Maximum detected concentrations of PCE in OU2 groundwater from the three direct push groundwater profiling rounds are shown on Figure 4.1. Maximum detected concentrations of TCE, a primary breakdown product of PCE, in OU2 groundwater from the three direct push groundwater profiling rounds are shown on Figure 4.2.

PCE, TCE, and/or cis-1,2-DCE were detected at concentrations above their applicable SCG (5 µg/L for each) in groundwater samples from 12 of the 30 direct push groundwater profiling locations advanced. The maximum concentration of PCE (978 µg/L) detected was at DP-9 (20 to 22 feet bgs), located approximately 670 feet southwest of the Gent Uniform building. The maximum concentration TCE (27 µg/L) detected was at DP-2 (60 to 62 feet bgs), located approximately 100 feet south of the Gent Uniform building. The maximum concentration of cis-1,2-DCE (7.5 µg/L) detected was at DP-11 (45 to 47 feet bgs), which is located approximately 820 feet southwest of the Site building. VC was not detected in the OU2 direct push groundwater samples collected. Groundwater exhibiting concentrations high enough to suggest the presence of dense non-aqueous phase liquid (DNAPL) was not observed in samples collected during the direct push profiling events.

4.1.2 Monitoring Well Groundwater Sampling

Four rounds of groundwater samples were collected from monitoring wells located on the Gent Uniform property and from OU2 monitoring wells. The first round, or Baseline groundwater sampling event, was conducted in October 2009; the second round was conducted in January 2010; the third round was conducted in May 2010; and the fourth round was conducted in January 2011. The primary contaminants of concern (COCs) from the Gent Uniform Site are chlorinated solvents related to dry cleaning operations; more specifically, PCE and its breakdown products, TCE, cis-1,2-DCE, and VC.

October 2009 Baseline Site Groundwater Monitoring Well Sample Results (Round 1):

Groundwater sampling locations during the October 2009 Baseline event are shown in Table 3.1. Detected VOCs in groundwater are presented in Table 4.3. Detected SVOCs in groundwater are presented in Table 4.4 and metals detected in are presented in Table 4.5. Complete analytical results are presented within the DUSR in Appendix F.

PCE, TCE, cis-1,2-DCE, and/or VC were detected at concentrations above their applicable SCG (5 µg/L, 5 µg/L, 5 µg/L, and 2 µg/L, respectively) in groundwater samples from 4 of the 9 monitoring wells in October 2009. The highest concentrations of PCE (387 µg/L) and TCE (53.7 µg/L) were detected from MW-1RR, located 20 feet south of the Site building. The highest concentration of cis-1,2-DCE (2,050 µg/L) and VC (22.9 µg/L) were detected from MW-4MM, located approximately 500 feet southwest of the Site building.

SVOCs were not detected in the groundwater samples collected during the October 2009 Baseline event.

Sodium (35,800 µg/L) was the only metal analyte that exceeded Class GA groundwater standard of 20,000 µg/L during the October 2009 Baseline event from MW-1RR.

January 2010 Groundwater Monitoring Well Sample Results (Round 2):

Round 2 groundwater samples were analyzed for VOCs, SVOCs, and a subset for metals and MNA parameters. Groundwater sampling locations from the January 2010 event are shown in Table 3.1. Detected analytes in groundwater are presented in Tables 4.3 through 4.6.

PCE, TCE, cis-1,2-DCE, and/or VC were detected at concentrations above their applicable SCG (5 µg/L, 5 µg/L, 5 µg/L, and 2 µg/L, respectively) in samples from 10 of the 20 wells sampled. The highest concentrations of PCE (921 µg/L) and TCE (237 µg/L) were detected in groundwater from MW-1RR (similar to that observed during Round 1). The highest concentrations of cis-1,2-DCE (526 µg/L) and VC (2.1 µg/L) were detected in groundwater from MW-4MM (also, similar that observed during Round 1). Chlorobenzene, ethylbenzene, trans-1,2-DCE, and xylene were also detected in OU2 groundwater above SCGs. No other VOCs were detected above Class GA groundwater standards.

SVOCs were not detected in groundwater samples collected during the January 2010 event.

Iron exceeded the SCG of 300 µg/L in both of the samples collected, with detected concentrations ranging from 737 µg/L (MW-10) to 22,900 µg/L (MW-3B). Manganese exceeded the SCG of 300 µg/L in 1 of the 2 samples collected, with a detected concentration of 941 µg/L (MW-10). Sodium

exceeded the SCG of 20,000 µg/L in 1 of the 2 samples collected, with a detected concentration of 33,600 µg/L (MW-10).

MNA parameters were collected from MW-6 (to evaluate background conditions), MW-4 and MW-10 to evaluate the potential for the natural attenuation of chlorinated solvents in groundwater (Table 4.6).

May 2010 Groundwater Monitoring Well Sample Results (Round 3):

Round 3 groundwater samples were analyzed for VOCs only. Groundwater sampling locations from the May 2010 event are shown in Table 3.1. Detected analytes in groundwater are presented in Table 4.3.

PCE, TCE, cis-1,2-DCE, and/or VC were detected at concentrations above their applicable SCG (5 µg/L, 5 µg/L, 5 µg/L, and 2 µg/L, respectively) in samples from 8 of the 15 wells sampled. The highest concentrations of PCE (760 µg/L) and TCE (25 µg/L) were detected in groundwater from MW-10, located approximately 750 feet southwest of the Site building. The highest concentrations of cis-1,2-DCE (100 µg/L) and VC (6.2 µg/L) were detected in groundwater from MW-8S, located approximately 250 feet south of the Site building. Acetone, chlorobenzene, chloroform, 1,4-dichlorobenzene, ethylbenzene, isopropylbenzene and xylene were also detected in OU2 groundwater above SCGs. No other VOCs were detected above Class GA groundwater standards.

January 2011 Groundwater Monitoring Well Sample Results (Round 4):

Round 4 groundwater samples were analyzed for VOCs, SVOCs, and a subset for metals. Groundwater sampling locations from the January 2011 event are shown in Table 3.1. Detected analytes in groundwater are presented in Tables 4.3 through 4.5.

PCE, TCE, cis-1,2-DCE, and/or VC were detected at concentrations above their applicable SCG (5 µg/L, 5 µg/L, 5 µg/L, and 2 µg/L, respectively) in samples from 10 of the 20 wells sampled. The highest concentrations of PCE (300 µg/L) and TCE (124 µg/L) were detected in groundwater from MW-1RR (similar to that observed during Rounds 1 and 2). The highest concentrations of cis-1,2-DCE (11,100 µg/L) and VC (4 µg/L) were detected in groundwater from MW-4MM (also, similar that observed trends during Rounds 1 and 2). Chloroform, ethylbenzene, isopropylbenzene, trans-1,2-DCE, and xylene were also detected in OU2 groundwater collected from wells above SCGs. No other VOCs were detected above Class GA groundwater standards.

Bis(2-ethylhexyl)phthalate was the only SVOC detected above the reporting limit during the January 2011 groundwater sampling event. Bis(2-ethylhexyl)phthalate exceeded the SCG of 5 µg/L in 2 of the 9 samples collected, with detected concentrations ranging from 7.4 µg/L (MW-4) to 387 µg/L (MW-1RR).

Iron exceeded the SCG of 300 µg/L in both of the samples collected, with detected concentrations ranging from 737 µg/L (MW-10) to 22,900 µg/L (MW-3B). Manganese exceeded the SCG of 300 µg/L in 1 of the 2 samples collected, with a detected concentration of 941 µg/L (MW-10). Sodium exceeded the SCG of 20,000 µg/L in 1 of the 2 samples collected, with a detected concentration of 33,600 µg/L (MW-10).

Maximum detected concentrations of PCE and TCE from monitoring wells in OU2 groundwater during Rounds 1 through 4 are shown (in conjunction with PCE detections from the direct push groundwater profiling events) on Figure 4.1 and 4.2, respectively.

4.2 SOIL VAPOR INTRUSION SAMPLING

The locations of SVI sampling (soil vapor and indoor air samples) are presented on Figure 3.1. Six residential dwellings and one vacant, commercial building were sampled in 2010 during the OU2. For discussion purposes below, the detections of Gent Uniform facility COCs are presented below. Laboratory results and sampling documentation were provided in a confidential letter report to the NYSDEC and NYSDOH (MACTEC, 2010a).

Residential Soil Vapor Intrusion Sampling.

PCE concentrations in the six sub-slab vapor samples ranged from 0.69 µg/M³ to 12 µg/M³ and indoor air concentrations ranged from 0.24 µg/M³ to 1 µg/M³. TCE concentrations in the six sub-slab vapor samples ranged from non-detect to 1.6 µg/M³ and indoor air concentrations ranged from non-detect to 0.19 µg/M³. Cis-1,2-DCE and VC results were non-detect in sub-slab and indoor air samples. VOCs detected in sub-slab vapor and indoor/ambient air samples are presented by location in Table 4.7. Complete analytical results are presented within the DUSR in Appendix F.

Commercial Soil Vapor Intrusion Sampling.

PCE was detected in the sub-slab vapor at a concentration of 89 $\mu\text{g}/\text{M}^3$ and indoor air at a concentration of 20 $\mu\text{g}/\text{M}^3$. TCE was detected in the sub-slab vapor at a concentration of 0.35 $\mu\text{g}/\text{M}^3$ and was not detected in the indoor air. Cis-1,2-DCE and VC results were non-detect in the sub-slab and indoor air samples. VOCs detected in sub-slab vapor and indoor/ambient air samples are presented by location in Table 4.7. Complete analytical results are presented within the DUSR in Appendix F.

4.3 SURFACE WATER SAMPLING

Surface water in the Carmans River was investigated as part of the OU2 RI at the request of the NYSDEC after submittal of the Draft RI Report. Surface water samples were collected from two (2) locations as the presumed OU2 downgradient groundwater discharge area (Figure 3.1). Grab samples were collected at the time of low tide and submitted for VOC analysis. VOCs were not reported as being detected in either sample. Results are provided in Table 4.8 and Appendix F.

5.0 CONTAMINANT FATE AND TRANSPORT

Investigations at the Site commenced in the late 1980s and early 1990s to discover the source of PCE contamination detected in a private well to the south of the Site. A PSA for the area was conducted in 1996 and 1997 to determine the most likely source of the contamination found in the adjacent private well. It was concluded that historical discharge of wastes, consisting primarily of PCE related to dry cleaning operations from Gent Uniform's former sanitary system was potentially responsible (NYSDEC, 2005c). Historical data reviewed indicates that PCE migrated into the soil due to a corroded fitting associated with the former grease trap located in the building. The release was discovered during investigations conducted from 1990 to 1996. The grease trap was removed and associated impacted soil excavated to approximately 4 feet bgs (filling approximately three drums) were removed from the subsurface and disposed. Additionally, Gent Uniform installed an on-site AS/SVE system to treat the on-site soil and groundwater contamination. This system operated at various times from May 1997 to December 1999 (NYSDEC, 2005c). Based on information gathered during the initial Site visit conducted with the NYSDEC, the AS/SVE system has been inoperable since prior to September 2009.

5.1 CONCEPTUAL SITE MODEL

Based on the review of available OU1 and OU2 data, a conceptual site model (CSM) was developed. The conceptual model presents a description of the media affected, the source of impact, types of contamination, contaminants of potential concern (COPC), primary or secondary release mechanisms, migration pathways, and potential receptors. The conceptual model for the Site is summarized in Table 5.1. A graphical depiction of the CSM is shown on Figure 5.1 from a selected transect A – A' (as shown on Figure 3.1) within the OU1 and OU2 VOC groundwater contamination plume.

OU2 groundwater is present at approximately ten feet bgs and flows to the southwest. PCE and its breakdown products (primarily TCE, cis-1,2-DCE, and VC) have been detected at concentrations above applicable SCGs in OU2 groundwater as far south as MW-14 and MW-15I, or approximately 1,400 feet southwest of the Site. Maximum detected concentrations of PCE and TCE in OU2 groundwater are shown on Figure 4.1 and Figure 4.2, respectively. These figures depict maximum

detected concentrations within the OU2 groundwater plume from a period of October 2009 through January 2011.

The monitoring well network within the OU2 VOC groundwater plume extends from MW-1RR through MW-14/MW-15I. Based on the results from three rounds of direct push groundwater profiling events, ten OU2 monitoring wells (MW-1RR, MW-8S, MW-8I, MW-8D, MW-9, MW-10, MW-11, MW-14, MW-15S and MW-15I) were installed by MACTEC within the interpreted PCE groundwater plume (Figure 4.1). The following table identifies the maximum concentrations of COPC detections observed during the OU 2 RI, associated SCGs (AWQS) and frequency of detections in each plume well.

OU2 VOC Groundwater - Plume Monitoring Wells

Detected Constituents	Concentration Range Detected (µg/L)	SCG (µg/L)	Frequency Exceeding SCG
cis-1,2-Dichloroethene	Not Detected - 147	5	2 / 10
Tetrachloroethene	Not Detected - 921	5	7 / 10
Trichloroethene	Not Detected - 237	5	3 / 10
Vinyl chloride	Not Detected - 6.2	2	1 / 10

The interpreted extent of PCE contamination in groundwater greater than 5 µg/L is depicted on Figure 4.1.

The groundwater plume is bounded to the north by monitoring well MW-6, to the west by monitoring well MW-7, and to the south/southwest by monitoring wells MW-12, MW-13 and MW-16. The following table identifies the maximum concentrations of COPC detections observed during the OU 2 RI, associated SCGs (AWQS) and frequency of detections in each boundary well.

OU2 VOC Groundwater – Boundary Wells

Detected Constituents	Concentration Range Detected (µg/L)	SCG (µg/L)	Frequency Exceeding SCG
cis-1,2-Dichloroethene	Not Detected	5	0 / 5
Tetrachloroethene	Not Detected	5	0 / 5
Trichloroethene	Not Detected	5	0 / 5
Vinyl chloride	Not Detected	2	0 / 5

PCE and its breakdown products have the potential to volatilize into soil vapor and migrate into indoor air. Low-levels of COPC have been detected in sub-slab vapor (maximum PCE detection was 12 $\mu\text{g}/\text{M}^3$) and indoor air (maximum PCE detection was 1 $\mu\text{g}/\text{M}^3$) in residences downgradient from the Site; however, detected concentration levels suggest no further action is needed, based on 2006 NYSDOH SVI Guidance.

5.2 CONTAMINANT CHARACTERISTICS

VOC COPC detected at concentrations greater than their associated NYS groundwater SCGs values include PCE, TCE, cis-1,2-DCE, and VC. These contaminants are classified as halogenated hydrocarbons and are present in groundwater at and downgradient of the Site. The processes that likely control the fate of VOCs at the Site include volatilization, dissolution, and biodegradation. These processes are briefly discussed below.

Volatilization. The fate of VOCs in shallow surface soils and groundwater is likely volatilization, as VOCs partition rapidly to soil vapor or to the atmosphere, and neither biodegradation nor hydrolysis (a photolytic decomposition due to exposure to sunlight) occurs at a rapid rate (Agency for Toxic Substances and Disease Registry, 1997).

Dissolution. Dissolution of VOCs from site source to groundwater is a significant transport mechanism for VOCs at the Site. Factors affecting dissolution of VOCs likely are: (1) water table elevation in comparison to source area; (2) flow rate (residence time) of the groundwater in the contaminated material; (3) solubility of the compound; (4) amount of recharge through VOCs in the unsaturated zone; and (5) the degree of partitioning to soils and sediments.

Biodegradation. Biodegradation reactions can reduce the total mass of VOCs in groundwater. Naturally occurring bacteria in soil are capable of degrading VOCs. The microorganisms require oxygen to aerobically biodegrade VOCs and the concentration of dissolved oxygen is an indicator of the potential for aerobic biologic activity in groundwater. Aerobic biodegradation is particularly effective for aromatic hydrocarbons, such as benzene and toluene, and may be effective in mineralizing chlorinated solvent daughter products such as 1,2-DCE and VC.

Under aerobic conditions, the parent compound PCE is relatively stable and persistent in the environment. Under suitable anaerobic conditions, however, PCE may undergo biologic transformation as the dominant fate process. It has been shown that biodegradation of PCE in groundwater increases with the organic content of the saturated soil.

The complete anaerobic biologic transformation successive dechlorination pathway for PCE is:

PCE→TCE→1, 2-DCE→VC→ethene→carbon dioxide and water.

Degradation pathways may not be complete, however, depending on the presence of suitable conditions to complete the process, and geochemical conditions may vary along the migration pathway.

Persistence of VOCs in Site Media.

Chlorinated solvents are the primary COCs at the Site. The Gent Uniform facility reportedly removed the source area (grease trap and shallow soils) in 1996. Historical documentation indicated chlorinated solvents at the Site were released primarily to the soils via a corroded fitting associated with the former grease trap. The release triggered a response action by Gent Uniform to remove approximately 3 drums of VOC-contaminated soil, as well as the grease trap that was in direct contact with the spent chlorinated solvents.

PCE, the primary source of contamination from the dry cleaning processes, was released to the environment approximately 30 years ago. PCE was detected in shallow Site soils adjacent to the grease trap during the PSA in October 1996 at concentrations up to 602,213 ppb compared to the Soil Cleanup Objective for unrestricted use of 1.4 milligrams per kilogram (mg/Kg).

Physical properties of the primary solvent, PCE, are listed below.

Contaminant	Vapor pressure (mm Hg)	Henry's Law constant (atm-m ³ /mol)	Density (g/cm ³)	Water solubility (mg/L)	Octanol-water partition coefficient (K _{ow})	Organic carbon partition coefficient (K _{oc})
Tetrachloroethene (PCE)	1.78E+01	2.59E-02	1.6311	1.50E+02	398	364

Reference (USEPA, 1990).

Based on the solubility (150 milligrams per liter [mg/L]), Henry's Constant (0.754-unitless) and organic carbon partition coefficient (364 milligrams per gram) of PCE and using the Soil Saturation Limit (C_{sat} ¹) equation assuming fraction organic carbon and saturated conditions, DNAPL is possible if concentrations in soils exceed 370.6 mg/Kg.

The C_{sat} equation, assuming saturated conditions is as follows:

$$C_{sat} = S/\rho_b (K_d \rho_b + \Theta_w)$$

Parameter = Definition (units) and assumed parameter values

C_{sat} = soil saturation concentration (mg/Kg)

S = solubility in water (mg/L-water) = 150

ρ_b = dry soil bulk density (Kg/L) = 1.5

K_d = soil-water partition coefficient (L/Kg) = $K_{oc} \times F_{oc}$

K_{oc} = organic carbon partition coefficient (mL/g) = 364

F_{oc} = assuming a fraction organic carbon in soil (g/g) = 0.006 (0.6%)

Θ_w = water-filled soil porosity (Lwater /Lsoil) = 0.43

Further, concentrations greater than 1 percent of solubility are generally indicative of the nearby presence of a DNAPL. For PCE this would be the highest concentration of PCE detected in Site soil (602,213 ppb) was from a sample collected in 1996 from 0 to 2 ft bgs, or above the capillary fringe zone. Shallow soils at this location were excavated in 1996 as part of the soil and grease trap removal. This suggests that the presence of PCE as a DNAPL likely remains a possibility at the Site in shallow soils surrounding the source area excavated in 2005, or below 4 feet bgs.

During the PSA in 1996 and 1997, several soil samples were collected from beneath the Gent Uniform building. PCE was detected in soil above the capillary fringe zone adjacent to the former cesspool ranging in concentrations from 1,900 ppb to 4,920 ppb (estimated from 0 feet to 4 feet bgs). PCE was also detected at a concentration of 1,600 ppb from the former MW-1 location at a depth of 10 feet to

¹ C_{sat} is the concentration in soil at which the solubility limits of the soil pore water, the vapor phase limits of the soil pore air, and the absorptive limits of the soil particles have been reached. C_{sat} is a theoretical threshold above which a free phase liquid hazardous substance may exist. The equation is described in the USEPA "Soil Screening Guidance" (USEPA, 1996).

12 feet bgs (NYSDEC, 2005b). This suggests that the presence of residual soil contamination likely remains beneath the Gent Uniform building.

Soils within OU2 were observed by MACTEC as primarily fine to coarse sands. Seasonal groundwater elevations at the Site and within OU2 were generally consistent during the year, with depth to groundwater measured at approximately 10 feet bgs during the RI field work in October, January, and May. Contaminants likely migrated from the corroded fitting associated with the former grease trap, either as a free phase or with groundwater infiltration from shallow soil contamination. It is unknown if a PCE source remains in shallow soils at the Site. As stated above, the primary mechanisms of concentration reduction of VOCs are typically through volatilization into soil vapor (for unsaturated soil or water table surface concentrations), and dispersion and diffusion in groundwater, as well as through biological degradation (once in groundwater).

Factors that may cause variations in groundwater sample results include: seasonal variations (e.g., groundwater in contact with larger mass of contaminated soil during periods of high water); precipitation variations (e.g. recharge/percolation through subsurface shallow soils and infiltrating groundwater); or sampling protocol (e.g., low flow sampling versus groundwater grab sampling).

Migration of Contamination.

As discussed above, if PCE contaminant remains in shallow soils beneath the Gent Uniform building, it may act as a residual source. Since the OU1 remedy is not operating, chlorinated VOCs can readily leach from soils with infiltration of precipitation and migrate to groundwater. Once dissolved in groundwater, the VOCs can migrate with groundwater flow. Groundwater at the Site is located from approximately 10 feet bgs. The saturated thickness of the aquifer above the Gardens Clay is approximately 70 feet beneath the Site. Groundwater at the Site flows primarily to the southwest, toward Carmans River.

Groundwater data collected during the OU2 indicate that VOCs are migrating in groundwater from the Site towards Carmans River, a saltwater river, approximately 1,500 feet southwest of the Site. PCE concentrations in OU2 groundwater diminish slightly from the highest detection at MW-1RR (921 µg/L), to the next highest detection at MW-10 (760 µg/L). Concentrations in groundwater appear to continue to diminish as groundwater moves through the residential neighborhood southwest of the Site (146 µg/L at MW-14), likely through dispersion, sorption, and dilution. Two surface water samples

collected from the Carmans River at the presumed groundwater discharge area did not contain VOCs at the time of collection.

Biodegradation was evaluated as part of the OU2. Groundwater parameters collected during the OU2 were entered into the USEPA's Biochlor Model² (Biochlor) and indicated there was inadequate to limited evidence for anaerobic biodegradation of chlorinated VOCs in groundwater. An upgradient monitoring well (MW-6) did not detect site contaminants. Biochlor screening scores are presented in Table 4.6. The Biochlor Natural Attenuation Screening Forms are presented in Appendix G.

VOCs, including the chlorinated VOCs detected in groundwater, can partition from groundwater to soil gas and then migrate through the soil column. Detections of chlorinated VOCs in soil vapor samples collected from below residential basement slabs indicate that chlorinated VOCs are likely not partitioning from groundwater to soil vapor in the residential neighborhood southwest of the Site. Results of the sub-slab soil vapor and indoor air samples indicate that the soil vapor to indoor air migration pathway is not complete.

² Biochlor is a USEPA screening tool that simulates natural attenuation of dissolved solvents at chlorinated solvent release sites. The model can be found at the following USEPA website:
<http://www.epa.gov/ada/csmos/models/biochlor.html>

6.0 QUALITATIVE HUMAN HEALTH EXPOSURE ASSESSMENT

6.1 INTRODUCTION

This section provides a QHHEA for the OU2 groundwater plume. The QHHEA is performed in accordance with NYSDEC Technical Guidance (NYSDEC, 2010), which indicates that the QHHEA should evaluate the populations of humans that may potentially be present at and in the vicinity of the Site, the mechanisms or exposure pathways by which those humans may be potentially exposed to contamination associated with the Site, and the significance of exposure that may occur through the potential exposure pathways. This process involves three steps:

1. Characterization of the exposure setting in terms of physical characteristics, current and future uses of the Site, and the populations that may be potentially exposed to Site-related contamination under the current and future land uses;
2. Identification of potential exposure pathways and exposure points to which the populations may be exposed; and
3. Screening of potentially complete exposure pathways to identify the pathways and Site-related constituents of greatest concern from a health exposure perspective.

6.2 RECEPTORS, EXPOSURE PATHWAYS, AND EXPOSURE POINTS

Potentially complete exposure pathways were not identified for direct contact with groundwater, and inhalation of vapors that may migrate from groundwater to air within residential buildings.

The significance of exposure pathways associated with groundwater and soil vapor/indoor air media is evaluated in this subsection through comparison of analytical data to standard and guidance concentrations published by the NYS and NYSDOH and/or background concentrations.

Groundwater

Groundwater at and within the OU2 is not used as drinking water, and the potential for dermal exposure to contaminated groundwater (e.g. use of sumps in buildings overlying the groundwater plume, utility and other potential excavations) is not likely as the water table is generally below the depth of utility lines, structures sampled during the SVI were not observed to contain sumps, and several buildings in the area are slab on grade. Therefore, there are likely no direct exposures to

contaminated groundwater from a drinking water perspective under the current or foreseeable land uses. However, a comparison of groundwater analytical data to NYS drinking water standards and guidance values provides information concerning constituents that would be of concern from a health exposure perspective if the groundwater was used as potable water under existing conditions. A review of the analytical data indicates that chlorinated solvents (e.g., PCE, TCE, cis-1,2-DCE, and VC) were detected at concentrations that exceed drinking water standards. Detections in excess of drinking water standards were observed within OU2. Metals detected at concentrations greater than drinking water standards include iron, magnesium, manganese, and sodium.

Soil Vapor Intrusion

A complete SVI pathway (soil vapor migration to indoor air) requires the presence of a VOC in soil vapor and in air within an overlying enclosed building. Evaluations of soil vapor to indoor air vapor intrusion pathways are often confounded by VOCs in indoor air which are present in part or all due to anthropogenic (background) sources and not to migration of soil vapor into enclosed space. Therefore, the evaluation of vapor intrusion pathways was performed by comparing sub-slab vapor sampling data, indoor air sampling data, and background/air guideline values. The NYSDOH guideline for evaluating the potential for soil vapor migration into indoor air was also followed for compounds that have been assigned guidelines (available for carbon tetrachloride, 1,1-DCE, cis-1,2-DCE, PCE, 1,1,1-trichloroethane, TCE and VC) (NYSDOH, 2006). NYSDOH recommendations in the guidelines include: no further action, evaluate potential indoor air sources, monitor, and mitigate.

Based on evaluation of the OU 2 analytical results from the 6 residences sampled for SVI between February and March 2010, MACTEC suggests that no further action be conducted at the residences. No further action is recommended at this time for the commercial structure sampled as it is currently vacant. Additional monitoring may be necessary prior to the structure being re-occupied and if the remedy for OU1 (AS/SVE) remains off-line.

7.0 SUMMARY AND CONCLUSIONS

7.1 SUMMARY

The Gent Uniform Site is located at 5680 Merrick Road in Massapequa, Nassau County, New York. The property is approximately 0.3 acres in size, has a chain-linked fence around the perimeter of the Site, and is developed with a single, two-story masonry building and an asphalt-paved parking and loading area. The Gent building is bordered to the north by Merrick Road, to the east by Stone Boulevard, and, to the south and west by commercial properties.

A two-story building used as a residential home, produce stand and delicatessen was constructed on the Gent property in 1930s. In 1970, the property was purchased by Lafra Reality Corporation and Gent Uniform began uniform rental operations (Roux Associates Inc, 2005). Dry cleaning services were added at the Site in 1979. Wastewater was discharged to the City sewer system. The dry cleaning machine was removed from the Site in 1998. Gent Uniform now cleans with detergents only at the Site.

Investigations at the Site commenced in the late 1980s and early 1990s to determine the source of PCE contamination detected in a private well south of the site; the Nassau County Department of Health detected PCE in the tap water at the Range Rover property directly to the south of the Site at a concentration of 300,000 µg/L (which is greater than the solubility of PCE [200,000 µg/L] published by NIOSH). In a subsequent state-funded PSA conducted in 1996 and 1997, it was concluded that the source of this contamination was historical discharge of wastes, consisting primarily of PCE related to dry cleaning operations, to the sanitary sewer due to a corroded fitting on a grease trap in the Gent Uniform facility. Sampling at the Gent Uniform property conducted in 1996 and 1997, revealed high concentrations of PCE in shallow soils (602,213 ppb from 0 feet to 2 feet) beneath the site building. A limited soil removal program was performed to excavate soil surrounding the former grease trap to an approximate depth of 4 feet bgs (NYSDEC, 2005c). In 1997, Gent Uniform installed an AS/SVE system to address remaining PCE in soil and groundwater at the property.

In 2001, Gent Uniform entered into a Consent Order with NYSDEC to implement an investigation and remediation of on-site and off-site contamination, as well as evaluate the effectiveness of the AS/SVE

system. To determine off-site groundwater quality, six profile borings were advanced to collect discrete depth groundwater samples. The shallow groundwater slightly below the water table contained the highest concentrations, with 1,600 µg/L of PCE and 510 µg/L of DCE as the primary detections. In 2003, a RI field investigation was initiated to better define the extent of the groundwater contamination. The NYSDEC issued a ROD in March 2005 presenting the remedy for on-site contamination, defined as OU1. The OU1 ROD defined off-site groundwater and soil vapor contamination attributable to the site as OU2, which was to be addressed under a future selected remedy. Gent Uniform submitted an RI WP for OU2 to the NYSDEC in 2005; however, the RI was not completed by the responsible party and the Site was subsequently referred to the NYSDEC superfund program to complete the investigation.

MACTEC, under contract to the NYSDEC, conducted the OU2 field investigation between 2009 and 2012. During the course of the OU2, PCE concentrations in OU2 groundwater were observed to diminish slightly from the highest detection adjacent to the Site at MW-1RR (921 µg/L), to the next highest detection at a downgradient location MW-10 (760 µg/L). Results for PCE concentrations in OU2 groundwater were shown to further diminish as groundwater moves through the residential neighborhood southwest of the Gent property (146 µg/L at MW-14).

Based on results obtained during the OU2, off-site VOC groundwater contamination appears to be primarily located in shallow groundwater (from approximately 7 feet to 35 feet bgs) downgradient from the Gent Uniform facility. Interpretation of water table elevations recorded during the OU2 indicates groundwater flow is toward the southwest and likely discharges to the Carmans River; however, laboratory results for two surface water samples collected from river in 2012 indicated VOCs were not detected. The CSM (refer to Section 5.0 and Figure 5.1) includes approximately 3 feet to 5 feet ‘clean’ groundwater above the VOC groundwater plume, that is likely due to accretion of clean recharge (i.e., groundwater concentrations at the water table are generally less than the Class GA standard). Groundwater flow velocity is estimated at 200 feet per year.

Based on an evaluation of soil vapor and indoor air samples collected from 6 residences within the OU2 VOC plume using the NYSDOH SVI guidelines (NYSDOH, 2006), no further action for these properties is required for soil vapor. No further action is recommended at this time for the commercial structure sampled as it is currently vacant. Additional monitoring may be necessary prior to the structure being re-occupied and if the remedy for OU1 (AS/SVE) remains off-line.

In 2010, the NYSDEC contracted with MACTEC to evaluate the current OU1 Remedy Evaluation and identify findings from the AS/SVE system. MACTEC concluded that based upon the information and evaluation, the operation of the AS/SVE system at the Gent Uniform site to date has not satisfied Site remediation goals as defined by the ROD (NYSDEC, 2005b), and therefore recommends resumed operation of the AS/SVE system

7.2 CONCLUSIONS

Based on data collected during the OU2, site-related PCE groundwater has migrated as far as 1,400 feet to the south and southwest of the Gent Uniform property at concentrations in excess of SCGs (refer to Figure 4.1). Based on the extent and magnitude of PCE contamination detected in on-site groundwater, residual source area soil contamination appears to be a continuing source to groundwater contamination. Although groundwater concentrations diminish southwest of the Site at MW-10 (760 D $\mu\text{g/L}$ in 2010) through dispersion and dilution, concentrations within the plume appear to have reached a stable condition due to residual source area contamination.

Observed groundwater concentrations suggest that PCE groundwater contamination is not attenuated below SCGs by the time groundwater reaches the vicinity of Carmans River; however, laboratory results for two surface water samples collected from the river in 2012 indicated VOCs were not detected. Direct contact with groundwater is not anticipated to act as a potential exposure pathway. The area surrounding the Gent Uniform property and the residential neighborhood located to the southwest is serviced by public water. A potential exposure pathway associated with the Site-related off-site groundwater contamination is via soil vapor intrusion. This potential exposure pathway appears to be incomplete based upon soil vapor and indoor air evaluations conducted in off-site structures to date.

7.3 DATA GAPS AND RECOMMENDATIONS

Due to the continued operation of the Gent facility, previous and current investigations have not been able to determine the full extent of the source area. Unless there is a change in operations or use of the Site facility, allowing clear access to soils below the Site building, future OU2 remedial work will need to be based on inferred estimates of residual contaminant mass.

To remediate groundwater contamination migrating off-site and the continued potential for vapor migration of chlorinated VOCs into the indoor air of buildings located above and adjacent to the groundwater plume, continued implementation of the on-site AS/SVE system is required to address source area soils and groundwater contamination (OU1). To address off-site groundwater contamination (OU2) and the potential for exposure to site-related contamination via the soil vapor to indoor air pathway a FS is necessary to evaluate alternatives and select a remedy.

Information collected during the OU2 RI is suitable to evaluate potential alternatives for remediation of OU2 and additional sampling is not necessary at this time; however, the following data gaps were identified:

- Additional groundwater sampling locations may be necessary to delineate the downgradient extent of contamination in both shallow (in vicinity of Carmans River) and deep (60 to 90 feet bgs) groundwater.
- Sampling of sub-slab soil vapor and indoor air for residential structures west of Roosevelt Boulevard may be required based on concentrations of VOCs in groundwater upwelling to Carmans River or toward these structures, as shown on Figure 5.1.
- Additional hydraulic conductivity testing may help to refine estimates of groundwater flow velocity downgradient of the Site.

8.0 DEVELOPMENT OF REMEDIAL ACTION GOALS AND OBJECTIVES, AND GENERAL RESPONSE ACTIONS FOR CONTAMINATION REQUIRING REMEDIATION

The FS portion of the Gent Uniform OU2 RI/FS commences with this section. This section speaks to groundwater and soil vapor contamination identified and characterized in previous sections of this Report. This section identifies:

- Remedial Action Objectives (RAOs) for OU2 soil vapor, indoor air, and groundwater
- general response actions to address the RAOs
- extent of soil vapor and groundwater contamination requiring remedial action.

8.1 IDENTIFICATION OF REMEDIAL ACTION GOALS AND OBJECTIVES

RAOs form the basis for identifying remedial technologies and developing remedial alternatives. RAOs are medium-specific or operable unit-specific goals established to protect public health and the environment; RAOs are developed based upon contaminant-specific SCGs (USEPA, 1988; NYSDEC, 2010).

Site-specific COCs were determined by comparison of contaminant concentrations to chemical-specific SCGs, which include 6 NYCRR Parts 700-706 Water Quality Standards (NYSDEC, 1998), 6 NYCRR Part 375 Remedial Program Soil Cleanup Objectives (NYS, 2006), and NYSDOH SVI guidelines.

The RI concluded that concentrations of VOCs, principally PCE, TCE, and breakdown product cis-1,2-DCE were detected in one or more groundwater samples collected at locations within OU2 (i.e. downgradient of the Gent Property) at concentrations exceeding NYS groundwater SCGs and federal drinking water standards. The nature and extent of soil and groundwater contaminants are discussed in Subsections 4.1 and 4.2 and presented in Figures 4.1 and 4.2. Soil vapor at and in the vicinity of OU2 is also impacted by PCE and TCE. The soil vapor to indoor air exposure pathway is not believed to be complete based on investigation of structures within OU2.

The following RAOs have been developed in accordance with the remedy selection process set forth in 6 NYCRR Part 375 (NYS, 2006) and DER-10 (NYSDEC, 2010). The goal for remedial action is to restore, to the extent practicable, OU2 groundwater to pre-disposal/pre-release conditions. At a minimum, the remedy shall eliminate or mitigate substantial threats to public health and the environment presented by site contaminants through the proper application of scientific and engineering principles (NYSDEC, 2010).

8.1.1 Remedial Action Objectives for Groundwater

The QHHEA presented in Section 6.0 concluded that under existing and foreseeable land use conditions groundwater is not a complete human health exposure pathway since groundwater is not used as a public drinking supply on or downgradient of OU2. Therefore, the following RAOs are identified for OU2 groundwater:

- Prevent future use of OU2 groundwater with contaminant concentrations in excess of drinking water standards
- Restore ground water aquifer to pre-disposal/pre-release conditions, to the extent practicable
- Prevent further migration of contaminated groundwater

8.1.2 Remedial Action Objectives for Soil Vapor

The QHHEA concluded that under existing and foreseeable land use conditions SVI is not a complete human health exposure pathway based on the SVI Evaluation conducted at six residences and one commercial structure within OU2. Therefore, no RAOs have been identified for OU2 soil vapor. However, the commercial building is currently vacant; monitoring may be necessary prior to the building being re-occupied and if the OU1 remedy remains off-line to re-assess the potential for a complete exposure pathway.

8.2 IDENTIFICATION OF GENERAL RESPONSE ACTIONS

General response actions describe those actions that will satisfy the RAOs (USEPA, 1988). General response actions may include treatment, containment, excavation, disposal, institutional actions, or a combination of these. Like RAOs, general response actions are medium-specific.

For this FS, RAOs were developed to address OU2 groundwater contamination.

8.2.1 General Response Actions for Groundwater

The following general response actions would address the RAOs identified for groundwater:

- No further action
- Groundwater use restrictions and long term monitoring
- In-situ treatment
- Ex-situ treatment
- Containment

These general response actions are appropriate for OU2 groundwater contamination requiring remediation.

8.2.2 General Response Action for Soil Vapor

RAOs were not identified for OU2 soil vapor as a complete exposure pathway was not identified; therefore, no further action is warranted, and appropriate general response action for soil vapor.

8.3 EXTENT OF GROUNDWATER CONTAMINATION REQUIRING REMEDIAL ACTION

This subsection identifies the extent of contaminated groundwater to which the RAOs and general response actions identified above and the remedial alternatives to be developed in Section 10.0 will apply. OU2 sample locations and corresponding concentrations exceeding AWQS for the primary VOC contaminants (PCE, TCE, cis-1,2-DCE, and VC) are shown on Figures 4.1 and 4.2. As shown, the contaminant isoconcentration interpreted contours indicate the chlorinated solvent contamination exceeding AWQS extends from the Gent Site to OU2. The vertical extent of groundwater contamination is illustrated in the cross section of the conceptual site model in Figure 5.1. Analytical results for groundwater samples collected during the RI are compared to AWQS in Table 8.1. Potential remedial technologies and remedial alternatives will be developed with consideration for the horizontal and vertical distribution of the contaminants.

9.0 IDENTIFICATION AND SCREENING OF TECHNOLOGIES

This section describes the identification and screening of potential remedial technologies. Technologies are identified for the purpose of attaining the RAOs established in Subsection 8.1. Identified technologies correspond to the categories of general response actions described in Subsection 8.2.

Following identification, candidate technologies are screened based on applicability to site- and contaminant-limiting characteristics. The purpose of the screening is to produce an inventory of suitable technologies that can be assembled into remedial alternatives capable of mitigating actual or potential risks at OU2. Potential technologies representing a range of general response actions (i.e., no action, limited action, removal, treatment, and disposal) are considered. The result of technology screening is a list of potential remedial technologies that may be developed into candidate remedial alternatives.

9.1 TECHNOLOGY IDENTIFICATION

Remedial technologies and specific process options applicable to hazardous waste sites are identified in USEPA's Guidance for Conducting RI/FS (USEPA, 1988). This guidance was used to generate the list of applicable remedial technologies and associated process options presented in Table 9.1 for each general response action developed for groundwater in Subsection 8.2.

9.2 TECHNOLOGY SCREENING

The technology screening process reduces the number of potentially applicable technologies and process options by evaluating factors that may influence process-option effectiveness and implementability. This overall screening is consistent with guidance for conducting an FS under Comprehensive Environmental Response, Compensation, and Liability Act (USEPA, 1988). Effectiveness and implementability are incorporated into two screening criteria: waste- and site-limiting characteristics. Waste-limiting characteristics consider the suitability of a technology based on contaminant types, individual compound properties (e.g., volatility, solubility, specific gravity, adsorption potential, and biodegradability), and interactions that may occur between mixtures of

compounds. Site-limiting characteristics consider the effect of site-specific physical features on the implementability of a technology, such as site topography and geology, the location of buildings and underground utilities, available space, and proximity to sensitive operations. Technology screening serves the two-fold purpose of screening out technologies whose applicability is limited by site-specific waste or site considerations while retaining as many potentially applicable technologies as possible.

Table 9.1 presents the technology-screening process. Technologies and process options judged ineffective or prohibitively difficult to implement were eliminated from further consideration. The technologies retained following screening (see Table 9.1) represent an inventory of technologies considered most suitable for remediation of OU2 groundwater and may be used alone or integrated with other technologies to develop remedial alternatives. Pilot-scale treatability studies may be required prior to final technology selection to confirm the effectiveness of a given technology.

Technologies retained for consideration include:

- Land Use Restrictions
- Biological Treatment
- Physical Treatment
- Chemical Treatment
- Ex-situ Treatment
- Containment

10.0 DEVELOPMENT AND PRELIMINARY SCREENING OF ALTERNATIVES

The retained technologies identified in Table 9.1 are considered technically feasible and applicable to the contaminant types and physical conditions within OU2. These medium-specific technologies were assembled into potential site-specific remedial alternatives capable of achieving the RAOs for the contaminated groundwater requiring remediation.

10.1 DEVELOPMENT OF REMEDIAL ALTERNATIVES

The retained remedial technologies groundwater have been combined into the following remedial alternatives:

- Alternative 1: No Action
- Alternative 2: In-situ Enhanced Biodegradation
- Alternative 3: Permeable Reactive Barriers
- Alternative 4: In-situ Chemical Oxidation
- Alternative 5: Groundwater Extraction and Treatment

10.1.1 Alternative 1: No Action

Alternative 1 was developed as a baseline against which to compare other remedial alternatives for groundwater. This alternative involves no actions to protect human health or the environment and lacks remedial measures that would reduce groundwater contamination.

10.1.2 Alternative 2: In-situ Enhanced Biodegradation

Alternative 2 consists of the following components:

- In-situ enhanced biodegradation
- Institutional controls
- Long-term groundwater monitoring

Enhanced biodegradation amendments would be injected within OU2 to accelerate biological degradation of VOCs in groundwater. Injection could occur via temporary injection points or

permanent injection wells; due to the likely necessity of multiple injection events, permanent injection wells are recommended. Potential remediation vendors include but are not limited to: Adventus Group, Regensis, and ERFS, LLC. Groundwater monitoring wells would be installed and sampled in addition to existing monitoring wells to monitor the effects of biodegradation; a series of wells located across the width of the groundwater plume would be installed along Carman Creek to track potential further contaminant migration. Additional injections may be warranted pending groundwater monitoring analytical results. Groundwater monitoring would continue until groundwater sampling within OU2 demonstrated cleanup in accordance with SCGs.

Institutional controls would be implemented to restrict future access to contaminated groundwater. Institutional controls would include land-use restrictions limiting subsurface activity and be implemented through legal instruments such as deeds and/or water well permitting processes.

Subsequent to implementing remedial action, groundwater monitoring is assumed to occur on a quarterly basis for the first two years after completion, on a semiannual basis for the next two years, and then on a 15 month basis.

10.1.3 Alternative 3: Permeable Reactive Barriers

Alternative 3 consists of the following components:

- Installation of permeable reactive barriers
- Institutional controls
- Long-term groundwater monitoring

Permeable reactive barriers would be installed, either by the excavation and backfilling of trenches or via hydraulic fracture injection of the barrier material, configured in a contiguous wall or a series of overlapping fences. Potential remediation vendors include but are not limited to: Adventus Group; ORIN Remediation Technologies, LLC.; and Vironex. With this technology, as groundwater flows through the barrier, the barrier material reacts with contaminants causing them to undergo a degradation reaction into less harmful compounds. A contiguous wall that extends across the breadth and depth of the contaminated groundwater plume would provide treatment of OU2 groundwater but is logistically problematic to install due to the presence of infrastructure and privately owned property. Installation would likely have to occur along public right of ways associated with the roads in this area

and would be further complicated due to proximity to underground utilities. Potential locations for permeable reactive barriers are along the southern fence line/boundary of the Gent Property, along Carman Boulevard, along Sand or Marine Streets, and along Roosevelt Boulevard. In order to decrease the amount of time to achieve groundwater standards, the installation of multiple barriers along the plume is recommended.

Institutional controls would be implemented as described for Alternative 2.

Subsequent to completing remediation activities, groundwater monitoring is assumed to occur on a quarterly basis for the first two years after completion, on a semiannual basis for the next two years, and then on a 15 month basis.

10.1.4 Alternative 4: In-situ Chemical Oxidation

Alternative 4 consists of the following components:

- In-situ chemical oxidation treatment via injection wells
- Institutional controls
- Long-term groundwater monitoring

Chemical oxidant reagent would be injected within OU2 to degrade VOCs in groundwater. Injection could occur via temporary injection points or permanent injection wells. Due to the likely necessity of multiple injection events, permanent injection wells are recommended. Potential vendors include but are not limited to: Panther; Geocleanse; and ERF, LLC. Groundwater monitoring wells would be installed to allow for groundwater sampling to monitor the effects of chemical oxidation; a series of wells located across the width of the groundwater plume would be installed along Carman Creek to track potential contaminant migration beyond OU2. Additional oxidant injections may be warranted pending groundwater monitoring analytical results. Groundwater monitoring would continue until groundwater sampling within OU2 demonstrated cleanup in accordance with SCGs.

Institutional controls would be implemented as described for Alternative 2.

Subsequent to completing remediation activities, groundwater monitoring is assumed to occur on a quarterly basis for the first two years after completion, on a semiannual basis for the next two years, and then on a 15 month basis.

10.1.5 Alternative 5: Groundwater Extraction and Treatment

Alternative 5 consists of the following components:

- Installation of groundwater extraction and treatment system
- Institutional controls
- Operation, maintenance, and monitoring (OM&M) of the groundwater extraction and treatment system

A number of extraction wells would be installed along the southern boundary of the Gent Property to hydraulically isolate OU2 by intercepting contaminated groundwater recharge from OU1. An additional set of wells could also be installed along Roosevelt Boulevard to intercept potential discharge to Carman Creek from OU2. An ex-situ treatment technology (such as air stripping and carbon adsorption) would be implemented to treat the extracted groundwater and allow for effluent discharge or reinjection to the aquifer.

Institutional controls would be implemented as described for Alternative 2.

The groundwater extraction wells will be added to the existing network of locations that are sampled on a quarterly basis and flow and concentration data from influent and effluent the treatment system will be collected on a weekly basis. This analytical data will provide the basis to evaluate the effectiveness of the groundwater extraction and treatment system. Quarterly and annual monitoring reports will be prepared until data indicates that monitoring frequency may be reduced or the treatment system may be taken offline.

10.2 PRELIMINARY SCREENING OF ALTERNATIVES

This subsection presents a preliminary screening of the developed remedial alternatives for groundwater. Consistent with DER-10, the developed medium-specific remedial alternatives are screened on the basis of whether they are technically implementable (Implementability) for the site and whether they can meet the RAOs (Effectiveness). Additionally, based upon available information, the

relative cost of each remedial alternative is also evaluated. Those remedial alternatives which are not technically implementable, would not achieve RAOs, or would incur costs substantially higher than other remedial alternatives without providing greater effectiveness or implementability are not evaluated further in the FS.

During the screening of alternatives, the “No Action” alternative for groundwater is not evaluated according to the screening criteria; it is evaluated during the detailed analysis as a baseline for other retained remediation alternatives. Table 10.1 presents the preliminary screening of remedial alternatives. As shown, four of the five identified alternatives are retained for detailed analysis in Section 11.0. Alternative 4 (in-situ chemical oxidation) is eliminated due to implementability and cost concerns.

11.0 DETAILED ANALYSIS OF ALTERNATIVES

This section presents the detailed analyses of remedial action alternatives for OU2 groundwater. The detailed analysis is intended to provide decision-makers with relevant information to aid in the selection of a site remedy. The detailed description of technologies or processes used for each alternative includes, where appropriate, a discussion of limitations, assumptions, and uncertainties for each component. The descriptions provide a conceptual design of each alternative and are intended to support alternatives-comparison and cost-estimation.

The detailed analysis of each alternative includes evaluation using the first seven evaluation criteria identified in DER-10 (NYSDEC, 2010) and §375-1.8(f) (NYS, 2006), as presented in the following paragraphs.

Compliance with Standards, Criteria, and Guidance: Compliance with SCGs considers whether or not a remedy will meet applicable environmental laws, regulations, standards, and guidance. SCGs for OU2 are identified along with a discussion of whether or not the remedy will achieve compliance. For those SCGs that will not be met, a discussion and evaluation of subsequent impacts and whether waivers are necessary is presented. Chemical-specific SCGs were previously identified in this Report. Location- and Action-specific SCGs (see Table 11.1) are identified for each alternative in this Section.

Overall Protection of Public Health and the Environment: This criterion is an evaluation of the remedy's ability to protect public health and the environment, assessing how risks posed through each existing or potential pathway of exposure are eliminated, reduced, or controlled through removal, treatment, engineering controls, or institutional controls. The remedy's ability to achieve each of the RAOs is evaluated.

Short-term Effectiveness: The potential short-term adverse impacts and risks of the remedy upon the community, the workers, and the environment during the construction and/or implementation are evaluated. A discussion of how the identified adverse impacts and health risks to the community or workers within OU2 will be controlled and the effectiveness of the controls is presented. Engineering controls that will be used to mitigate short term impacts (e.g., dust control measures) are proposed. The length of time needed to achieve the remedial objectives is estimated.

Long-term Effectiveness and Permanence: This criterion evaluates the long-term effectiveness of the remedy after implementation. If wastes or treated residuals remain on-site after the selected remedy has been implemented, the following items are evaluated:

- magnitude of remaining risk
- adequacy of the engineering and institutional controls intended to limit the risk
- reliability of these controls
- ability of the remedy to continue to meet RAOs in the future

Effectiveness of alternatives in protecting human health and the environment after RAOs is also evaluated. This includes an evaluation of the permanence of the alternative, the magnitude of residual risk, and the adequacy and reliability of controls required to manage wastes or residuals remaining at the Site.

Reduction of Toxicity, Mobility, or Volume with Treatment: The remedy’s ability to reduce the toxicity, mobility, or volume of site contamination is evaluated. Preference is given to remedies that permanently and substantially reduce the toxicity, mobility, or volume of site wastes.

Implementability: The technical and administrative feasibility of implementing the remedy is evaluated. Technical feasibility includes the difficulties associated with remedy construction and the ability to monitor the remedy’s effectiveness. For administrative feasibility, the availability of the necessary personnel and material is evaluated along with potential difficulties in obtaining specific operating approvals, access for construction, or other issues.

Land Use: The current, intended, and reasonably anticipated future land uses of OU2 and its surroundings will be considered in the evaluation of remedial alternatives.

Cost: Capital and OM&M costs are estimated for the remedy and presented on a present worth basis.

Community Acceptance: In a format that responds to all questions raised (i.e. responsiveness summary), public comment, concerns, and overall perception of the remedy are evaluated following the public meeting presenting the proposed remedial action plan. This criterion is not evaluated in this draft Report.

11.1 COST ANALYSIS PROCEDURES

Costs presented in this Report are intended to be within the target accuracy range of minus 30 to plus 50 percent of actual cost (USEPA, 1988). Costs are provided for Alternatives 2, 3, and 5 as a present worth and as a total cost for up to a 30-year period (see Tables 11.1 through 11.7).

A summary of the costs for each alternative identifying capital and net present worth (NPW) costs are included in each alternative's cost description. Each cost estimate includes a present worth analysis to evaluate expenditures that occur over different time periods. The analysis discounts future costs to a NPW and allows the cost of remedial alternatives to be compared on an equal basis. NPW represents the amount of money that, if invested now and disbursed as needed, would be sufficient to cover costs associated with the remedial action over its planned life. A discount rate of 5 percent was used to prepare the cost estimates per NYSDEC guidance.

Consistent with USEPA FS cost estimating guidance (USEPA, 2000), the remedial alternative cost estimates include costs for project management, remedial design, construction management, technical support, and scope contingency.

Project management includes planning and reporting, community relations support during construction or operation and maintenance (O&M), bid or contract administration, permitting (not already provided by the construction or O&M contractor), and legal services outside of institutional controls.

Remedial design applies to capital cost and includes services to design the remedial action. Activities that are part of remedial design include pre-design collection and analysis of field data, engineering survey for design, treatability study/pilot-scale testing, and various design components such as design analysis, plans, specifications, cost estimate, and schedule.

Construction management applies to capital cost and includes services to manage construction or installation of the remedial action, except those similar services provided as part of regular construction activities. Activities include review of submittals, design modifications, construction

observation or oversight, engineering survey for construction, preparation of O&M manual(s), documentation of quality control/quality assurance, and record drawings.

Technical support during O&M includes services to monitor, evaluate, and report progress of remedial action. This includes oversight of O&M activities, update of O&M manual(s), and progress reporting, and is generally between 10 percent and 20 percent of total annual O&M costs depending on complexity of the remedial action (USEPA, 2000).

Scope contingency represents project risks associated with the feasibility-level of design presented in this report. This type of contingency represents costs, unforeseeable at the time of estimate preparation, which are likely to become known as the remedial design proceeds. Scope contingency ranges from 10 to 25 percent with higher values appropriate for alternatives with greater cost growth potential (USEPA, 2000).

Project management, remedial design, and construction management costs presented in this Report are based upon the following matrix presented in the USEPA FS cost estimating guidance (USEPA, 2000).

Professional and Technical Costs as Percentage of Direct Costs					
Indirect Cost	< \$100K (%)	\$100K-\$500K (%)	\$500K-\$2M (%)	\$2M-\$10M (%)	>\$10M (%)
Project Management	10	8	6	5	5
Remedial Design	20	15	12	8	6
Construction Management	15	10	8	6	6

The following subsections present a conceptual design and cost estimate for each of these remedial alternatives and a discussion of each alternative relative to the evaluation criteria as set forth in NYCRR Part 375 (NYS, 2006).

11.2 ALTERNATIVE 1: NO ACTION

This alternative would not include any actions to address OU2 groundwater contamination.

Compliance with Standards, Criteria, and Guidance: This alternative would not meet chemical-specific SCGs because it would not address groundwater contamination in excess of 6 NYCRR Parts 700-706 Water Quality Standards (NYSDEC, 1998).

Overall Protection of Public Health and the Environment: This remedial alternative would not protect public health and the environment through eliminating, reducing, or controlling existing or potential exposure pathways through removal, treatment, engineering controls, or institutional controls. This remedial alternative would not achieve the RAOs for groundwater.

Short-term Effectiveness: This alternative would not result in short-term adverse impacts and risks to the community, site workers, and the environment because no actions would be taken.

Long-term Effectiveness and Permanence: This remedy may meet RAOs associated with VOC groundwater contamination in the future due to natural attenuation processes. Limited evidence of natural attenuation and ongoing migration of source related contaminated groundwater into OU2 suggests that the time period required to meet RAOs is likely substantial.

Reduction of Toxicity, Mobility, or Volume with Treatment: This alternative would not result in the reduction of the toxicity, mobility, or volume of VOC groundwater contamination through treatment.

Implementability: No actions would be conducted, therefore there are no technical difficulties associated with this alternative. However, obtaining regulatory approval of this alternative would be difficult because it does not achieve the RAOs for groundwater.

Land Use: This alternative does not include actions to remove or treat groundwater contamination in excess of the Protection of Groundwater SCGs, and would therefore not be compatible with current and foreseeable future land use.

Cost: There are no costs associated with Alternative 1.

11.3 ALTERNATIVE 2A AND 2B: IN-SITU ENHANCED BIODEGRADATION

Alternatives 2a and 2b (tables 11.2 and 11.3) apply enhanced in-situ biodegradation reagents in limited areas of OU2 to treat contaminated groundwater within these areas. Alternative 2a includes injection along the southern fenced boundary of the Gent Uniform property, and Alternative 2b adds injection along Roosevelt Boulevard to isolate Carman Creek from any further potential discharge. Potential remediation vendors include but are not limited to Adventus Group, Regenesis, and XDD. For the purposes of this analysis, the alternatives have been evaluated using estimates and recommendations from XDD. This is not a comprehensive analysis of all possible applications of enhanced biodegradation but is meant to be representative.

Alternatives 2a and 2b consist of the following components:

- pre-design investigation
- mobilization and temporary facilities and controls
- demolition of paved or concrete surface covers
- in-situ enhanced biodegradation via injection well
- site restoration
- institutional controls
- long-term monitoring
- periodic institutional control inspections and reporting

Pre-Design Investigation: Pre-design investigations and/or studies would be conducted to support the remedial design and would include but not be limited to:

- subsurface soil and groundwater sampling and analysis to provide additional characterization for treatment purposes
- ground-penetrating radar survey in support of subsurface utility/obstruction clearance of the proposed treatment area
- treatability study for proposed amendments and/or reagents.

Mobilization and Temporary Facilities and Controls: Site preparation, mobilization, and temporary facilities and controls would include activities required to prepare OU2 for remediation including but not limited to:

- delivery and setup of site trailer
- installation of temporary utilities
- construction of equipment decontamination facilities
- implementation of erosion and sediment control measures
- survey layout of the various work extents
- right-of-way and/or road-opening permits

Demolition of Paved or Concrete Surface Covers: Prior to installation of permanent injection wells, pavement and concrete located in the proposed areas of injection would be demolished.

In-situ Enhanced Biodegradation via Injection Well: In-situ biodegradation would be implemented to provide treatment of groundwater contamination in OU2. This alternative assumes for FS costing purposes that implementation would involve the injection of a vegetable oil based substrate in addition to the appropriate bacterial inoculant to degrade PCE and TCE into permanent injection points within OU2 in a series of barriers designed to isolate OU2 from contaminated aquifer recharge from OU1 and reduce contaminant concentrations over time. For the conceptual design, it is assumed that the average hydraulic gradient is 0.00125 as identified in Section 2.5.

Pre-design field and laboratory testing would be used to refine the full-scale injection design. However, the conceptual full-scale injection design includes injection of substrate at 4 (Alternative 2a) to 27 (Alternative 2b) injection locations arranged in barriers with injections spaced 20 feet apart. Although this approach initially addresses a limited area of contamination, it is anticipated that the active ingredients added in the injection locations will travel downgradient with groundwater flow and accelerate degradation of OU2 contamination. Injection of the amendment will occur from the water table depth to between 25 to 30 feet deep, depending on the depth of the contamination plume at the point of injection (see Figure 5.1).

Site Restoration: Site restoration would include restoration of demolished pavement, concrete surfaces, and/or grassy areas to match surrounding conditions.

Institutional Controls: Institutional controls would be implemented to restrict future use of OU2 groundwater. Institutional controls would likely include implementation of land-use restrictions

restricting subsurface activity and prohibiting changes in zoning of OU2. Land-use restrictions would be implemented through legal instruments such as deeds and/or well water permitting processes.

Long-term Monitoring: Long-term monitoring would consist of the sampling and analysis of groundwater monitoring wells for VOCs in order to identify the effectiveness of the alternative and identify if additional applications are required. It is assumed that long-term monitoring would be conducted on a periodic basis for the duration of the remedy and continuing until OU2 remediation was complete. No completion date for OU2 remediation has been projected, so the monitoring program is assumed to include 12 monitoring wells sampled according to the monitoring program outlined in Section 10.1.2 for 30 years.

Periodic Institutional Control Inspections and Reporting: Periodic inspections would be conducted to ensure deed and land-use restrictions are being enforced. A report would be prepared documenting the inspection and conditions observed.

11.3.1 Detailed Evaluation of Alternative 2 (In-Situ Enhanced Biodegradation)

Compliance with Standards, Criteria, and Guidance: Alternative 2 would meet Chemical-specific SCGs for groundwater by treating groundwater in excess of water quality standards, although the time to reach the SCGs is dependent on groundwater velocity and the degree to which the bacteria population can thrive under OU2 conditions. Limited evidence of natural attenuation indicates that the duration of treatment would likely be substantial. Treatment would be implemented taking into account the Action- and Location-specific SCGs.

Overall Protection of Public Health and the Environment: Alternative 2 would protect public health and the environment by reducing and controlling existing or potential exposure pathways through in-situ treatment and institutional controls. However, this alternative may take a substantial amount of time to treat groundwater contamination present in OU2 in excess of the SCGs due to the large areal extent of the plume and the low groundwater velocity and associated migration speed of the amendment. Institutional controls will need to remain in place until the groundwater plume has reached SCGs. The source of contamination on the Gent Property (OU1) will need to be treated or removed in order to prevent recontamination of OU2 groundwater without continued implementation of the remedy.

Short-term Effectiveness: Alternative 2 includes installation of permanent injection points, in-situ enhanced biodegradation of the OU2 plume, and associated construction activities. Short-term adverse impacts and risks to the community, site workers, and the environment are possible during the course of work; however, these risks could be controlled through: coordination and communication with affected property owners; erosion, sedimentation, and dust control; and a comprehensive contractor health and safety program.

Long-term Effectiveness and Permanence: Alternative 2 would be effective at reducing levels of contamination in OU2 to the RAOs as long as the appropriate bacteria were either already present or were introduced, sufficient nutrients were provided to foster the bacteria, and enough time passed that contaminated groundwater was allowed to migrate through the treatment areas or migrate out of OU2. However, conditions of the groundwater plume would have to be monitored to ensure that the appropriate subsurface environment was maintained to keep the bacteria alive. Subsequent injections of biostimulation agents need to be applied every 3 to 5 years to keep the bacteria active for the duration of treatment. The on-site source (OU1) will need to be treated or removed in order to prevent recontamination of OU2 groundwater without continued implementation of the remedy.

Reduction of Toxicity, Mobility, or Volume with Treatment: Alternative 2 would provide reduction of toxicity, mobility, and volume of VOCs in OU2 through in-situ treatment, although contamination downgradient of the remedy would likely remain unaffected and continue to migrate out of OU2. Potential stalling of the degradation process may result in increased concentrations of DCE or VC and a corresponding increase in toxicity; a study should be performed to identify what substrates are the most effective at supporting the full degradation of contaminants.

Implementability: Technically, this alternative would not be difficult to implement; the technology is readily available and the installation techniques are common. Logistically, this alternative is difficult to implement. The contaminant plume is largely situated beneath private residences, making location of injection points difficult, and there is limited evidence of existing conditions favorable for natural attenuation. The right of way along the roads is the most feasible location for fences. The most implementable option is to install a fence directly south of the Gent Property and potentially at the downgradient end of OU2 (along Roosevelt Boulevard). This design would leave about 1400 feet

between fences and an estimated 7.5 years of travel time between each fence. Although the reagent will not last the full length of that time, multiple applications would ensure ongoing plume treatment.

Land Use: The current and reasonably anticipated future land use of OU2 is for commercial and residential purposes. This alternative would be protective of potential residents and commercial workers.

Cost: The capital cost estimate for Alternative 2a is \$590,000 and for Alternative 2b is \$1,284,000. The NPW of each alternative is estimated to be \$2,139,000 and \$3,765,000, respectively. A summary of the costs associated with these alternatives is presented in Tables 11.2 and 11.3. Detailed cost analysis backup is provided in Appendix H.

11.4 ALTERNATIVES 3A AND 3B: PERMEABLE REACTIVE BARRIERS

Alternatives 3a and 3b consist of the installation of permeable reactive barriers in areas of OU2 to span the plume and passively treat contaminated groundwater as it flows through them. Alternative 3a provides installation of a barrier along the southern boundary of the Gent Property, whereas Alternative 3b also provides installation of a barrier along Roosevelt Boulevard. Potential remediation vendors include but are not limited to: Adventus Group; ORIN Remediation Technologies, LLC.; and Vironex. For the purposes of this analysis, the alternative has been evaluated using estimates and recommendations from Adventus Group. This is not a comprehensive analysis of all possible applications of permeable reactive barriers but is meant to be representative.

Alternative 3 consists of the following components:

- pre-design investigation
- mobilization and temporary facilities and controls
- demolition of paved or concrete surface covers
- installation of permeable reactive barrier
- site restoration
- institutional controls
- long-term monitoring
- periodic institutional control inspections and reporting

Pre-Design Investigation: Pre-design investigations and/or studies would be conducted to support the remedial design and would include but not be limited to:

- subsurface soil and groundwater sampling and analysis to provide characterization for treatment purposes
- ground-penetrating radar survey in support of subsurface utility/obstruction clearance of the proposed treatment area
- treatability study for proposed amendments and/or reagents.

Mobilization and Temporary Facilities and Controls: Site preparation, mobilization, and temporary facilities and controls would include activities required to prepare OU2 for remediation including but not limited to:

- delivery and setup of site trailer
- installation of temporary utilities
- construction of wastewater treatment and equipment decontamination facilities
- implementation of erosion and sediment control measures
- survey layout of the various work extents.

Demolition of Paved or Concrete Surface Covers: Prior to installation of the permeable reactive barrier, pavement and concrete located in the areas of excavation would be demolished. A treatment trailer may be retained at the Gent Property or in neighborhood for treatment of contaminated groundwater generated during dewatering activities.

Installation of Permeable Reactive Barrier: A permeable reactive barrier would be implemented to provide treatment of site-related groundwater contamination migrating into OU2 from the Gent Property. This alternative assumes for FS costing purposes that implementation would involve the construction of a 150 foot long permeable reactive barrier by injection, using the Adventus product EHC (a mix of a carbon source to promote biodegradation and zero valent iron). The barrier would be installed between the Gent Property and OU2 to cut off the source of contamination on the Gent Property from OU2 groundwater. An additional 480 foot long barrier could be constructed along Roosevelt Boulevard to isolate the plume from Carman Creek. For the conceptual design, it is assumed that the average hydraulic gradient is 0.00125 as identified in Section 2.5.

Pre-design field and laboratory testing would be used to refine the full-scale barrier design. However, the conceptual design includes a total of between 11,150 (Alternative 3a) and 82,450 (Alternative 3b)

pounds of EHC in barriers 15 feet thick. The barriers would run approximately 25 to 40 feet deep, intercepting the entire contaminant plume passing through their respective locations (see Figure 5.1). Supporting calculations, including references and assumptions for the input parameters used, are provided in Appendix I.

Site Restoration: Site restoration would include refinishing the extent of demolished pavement, concrete surfaces, or grassy areas to match surrounding conditions.

Institutional Controls: Institutional controls would be implemented to restrict future use of OU2 groundwater until remediation objectives are achieved, as described for Alternative 2.

Long-term Monitoring: Long-term monitoring would consist of the sampling and analysis of groundwater monitoring wells for VOCs. It is assumed that long-term monitoring would be conducted on a periodic basis for the duration of the remedy and continuing until OU2 remediation was complete. No completion date for OU2 remediation has been projected, so the monitoring program is assumed to include 12 monitoring wells sampled according to the monitoring plan outlined in Section 10.1.3 for 30 years.

Periodic Institutional Control Inspections and Reporting: Periodic inspections would be conducted to ensure deed and land-use restrictions are being enforced. A report would be prepared documenting the inspection and conditions observed.

11.4.1 Detailed Evaluation of Alternative 3 (Permeable Reactive Barriers)

Compliance with Standards, Criteria, and Guidance: Alternative 3 would meet Chemical-specific SCGs for groundwater by treating groundwater in excess of SCGs, although the time to reach the SCGs is dependent on groundwater velocity and likely substantial. Excavation, transportation, and treatment and/or disposal would be implemented taking into account the Action- and Location-specific SCGs.

Overall Protection of Public Health and the Environment: Alternative 3 would protect public health and the environment by reducing and controlling existing or potential exposure pathways through in-situ treatment and institutional controls. However, this alternative may take a substantial

amount of time to treat groundwater contamination present in OU2 in excess of the SCGs; institutional controls will need to remain in place until the groundwater plume has reached SCOs. The source of contamination on the Gent Property will need to be treated or removed in order to prevent recontamination of OU2 groundwater without continued operation of the remedy.

Short-term Effectiveness: Alternative 3 includes installation of one or more permeable reactive barriers by injection and associated construction activities. Short-term adverse impacts and risks to the community, site workers, and the environment are possible during the course of work; however, these risks could be controlled through: coordination and communication with affected property owners; erosion, sedimentation, and dust control; and a comprehensive contractor health and safety program.

Long-term Effectiveness and Permanence: Alternative 3 would provide permanent reduction of OU2 groundwater contamination through the passive treatment of groundwater migrating from the Gent Property into OU2 and flushing/dilution of any contaminated groundwater downgradient of the remedy. Sufficient time would be needed to allow the entirety of the plume to either pass through treatment areas or migrate off site, after which no rebound or leaching from secondary sources would be expected to occur. This alternative would rely upon institutional controls to prevent exposure to downgradient groundwater contamination until natural attenuation reduced concentrations to acceptable levels.

Reduction of Toxicity, Mobility, or Volume with Treatment: Alternative 3 would provide reduction in the mobility of OU2 VOC groundwater contamination but would not provide an immediate reduction in toxicity and volume. Groundwater flushing and continued in-situ treatment of groundwater migrating into OU2 would result in long-term reduction in the toxicity, mobility, and volume of groundwater contamination migrating out of OU2, although contamination downgradient of the remedy would likely remain unaffected.

Implementability: This alternative would not be easily implementable due to the extensive residential use of the property above the plume and the varying depth of the plume. The most implementable options appear to be: (1) cutting off the plume either as it leaves the Gent Property, or (2) directly before it reaches Carman Creek. Both locations appear to have contamination to roughly 30 feet bgs based on prior investigations and both locations are not located on residential property (could be installed on the Gent Property and along Roosevelt Boulevard). Prior to excavation a subsurface

survey should be conducted to identify underground utilities that may interfere with the proposed locations of the permeable reactive barriers.

Land Use: The current and reasonably anticipated future land use of OU2 is for commercial and residential purposes. This alternative would be protective of potential residents and commercial workers.

Cost: The capital cost estimate for Alternative 3a is \$172,000 and for Alternative 3b is \$616,000. The NPW of the alternatives is estimated to be about \$1,049,000 and \$2,432,000. A summary of the costs associated with these alternatives is presented in Tables 11.4 and 11.5. Detailed cost analysis backup is provided in Appendix H.

11.5 ALTERNATIVE 5: GROUNDWATER EXTRACTION AND TREATMENT

Alternatives 5a and 5b consist of the installation of groundwater extraction wells in areas of OU2 that span the plume and remove contaminated groundwater to be treated via air stripping and carbon adsorption in a temporary treatment facility to be located on the Gent Property. Alternative 5a provides installation of wells along the southern fenced boundary of the Gent Property, whereas Alternative 5b also provides installation of wells along Roosevelt Boulevard. For the purposes of this analysis, the alternative is assumed to include air stripping and carbon treatment, and has been evaluated using analysis and estimates prepared for previous, similar work. This is not a comprehensive analysis of all possible applications of pump and treat technologies but is meant to be representative.

Alternative 5 consists of the following components:

- pre-design investigation
- mobilization and temporary facilities and controls
- demolition of paved or concrete surface covers
- installation of groundwater extraction wells and treatment facility
- site restoration
- institutional controls
- OM&M of the groundwater extraction and treatment systems

Pre-Design Investigation: Pre-design investigations and/or studies would be conducted to support the remedial design and would include but not be limited to:

- subsurface soil and groundwater sampling and analysis to provide characterization for treatment/disposal purposes
- ground-penetrating radar survey in support of subsurface utility/obstruction clearance of the proposed treatment area
- extraction well pumping test to gather information to design well placement and treatment facility capacity
- treatability study for proposed amendments and/or reagents.

Mobilization and Temporary Facilities and Controls: Site preparation, mobilization, and temporary facilities and controls would include activities required to prepare OU2 for remediation including but not limited to:

- delivery and setup of site trailer
- installation of temporary utilities
- construction of wastewater treatment and equipment decontamination facilities
- implementation of erosion and sediment control measures
- survey layout of the various work extents.

Demolition of Paved or Concrete Surface Covers: Prior to installation of the groundwater extraction system, pavement and concrete located in the areas of excavation for piping and extraction wells would be demolished. A treatment trailer may be retained at the Gent Property or in the neighborhood for treatment of contaminated groundwater generated during dewatering activities.

Installation of Extraction and Treatment System: Groundwater extraction wells would be installed across the width of the plume downgradient of the Gent Property to reduce migration of contaminated groundwater into OU2. Calculations presented in Appendix J estimate the flow rate of contaminated groundwater from the Gent Property as no more than 5 gallons per minute across the southern boundary, based upon data collected during the RI. For the purposes of this FS, it has been assumed that Alternative 5a consists of 4 overburden extraction wells and Alternative 5b consists of 14 overburden extraction wells spaced 40 feet apart, with the final design to be refined by pumping test results. These extraction wells would be installed between the Gent Property and OU2 in Alternative 5a as well as the downgradient end of OU2 adjacent to Carman Creek in Alternative 5b. This arrangement would both prevent additional contaminated groundwater from entering OU2 from the

Gent Property and prevent contaminated groundwater in OU2 from migrating any further. The extraction wells would typically be installed to a depth of 30 feet bgs (see Figure 5.1). For the conceptual design, it is assumed that the average hydraulic gradient is 0.00125 as identified in Section 2.5.

A facility would be constructed to provide treatment of the extracted groundwater. It is assumed that the treated groundwater could be discharged to a publicly owned treatment facility via a sewer manhole in the near vicinity. For cost estimating purposes it is assumed that groundwater treatment prior to discharge would consist of air stripping with vapor phase carbon treatment of air emissions for 30 years or until OU2 groundwater remediation goals are reached and source contamination on-Site has been eliminated.

Site Restoration: Site restoration would include backfilling, compacting, and grading the excavation area, and refinishing the extent of demolished pavement, concrete surfaces, or grassy areas to match surrounding conditions.

Institutional Controls: Institutional controls would be implemented to restrict future use of OU2 groundwater until remediation objectives are achieved, as described for Alternative 2.

Operation, Maintenance, and Monitoring of the Groundwater Extraction and Treatment Systems: OM&M of the groundwater extraction system would consist of monthly site visits, during which flow reading and water levels from all extraction wells are collected, and periodic or as-needed maintenance including (but not limited to) cleaning the air stripper and regenerating/replacing spent carbon units.

Long-term monitoring would include quarterly groundwater sampling from monitoring and extraction wells for VOC analysis. Quarterly and annual reports would be prepared describing the results for the monthly and quarterly OM&M events.

11.5.1 Detailed Evaluation of Alternative 5 (Groundwater Extraction and Treatment)

Compliance with Standards, Criteria, and Guidance: Alternative 5 would meet Chemical-specific SCGs for groundwater by extracting and treating overburden groundwater in excess of SCGs.

Excavation, transportation, and treatment and/or disposal would be implemented taking into account the Action- and Location-specific SCGs.

Overall Protection of Public Health and the Environment: Alternative 5 would protect public health and the environment by reducing OU2 groundwater contamination and the implementation of institutional controls. This alternative would achieve the RAOs for groundwater in the long-term and eliminate the threat of groundwater contamination in the short-term via extraction and treatment. The source of contamination on the Gent Property will need to be treated or removed in order to prevent recontamination of OU2 groundwater without continued operation of the remedy.

Short-term Effectiveness: Alternative 5 includes installation and operation of a pump and treat groundwater extraction system, treatment facilities, and associated construction activities. Short-term adverse impacts and risks to the community, site workers, and the environment are possible during the course of work; however, these risks could be controlled through: coordination and communication with affected property owners; erosion, sedimentation, and dust control; and a comprehensive contractor health and safety program.

Long-term Effectiveness and Permanence: Alternative 5 would provide reduction of OU2 groundwater contamination through extraction and ex-situ treatment but only for the duration of the operation of the remedy. Once sufficient time had passed to allow contaminated groundwater to pass through the treatment system or migrate out of OU2, RAOs are expected to be reached and rebound of contaminant concentrations is not likely as long as the remedy continues to be operated. The source of contamination on the Gent Property will need to be treated or removed in order to prevent recontamination of OU2 groundwater without continued operation of the remedy. This alternative would rely upon institutional controls to prevent exposure to groundwater during remediation activities.

Reduction of Toxicity, Mobility, or Volume with Treatment: Alternative 5 would provide reduction in the toxicity, mobility, and volume of VOC groundwater contamination through ex-situ treatment of groundwater, although contamination downgradient of the remedy would likely remain unaffected and continue to migrate out of OU2.

Implementability: Alternative 5 would not be easily implementable due to the extensive residential use of the property overlying the plume and the varying depth of the contamination. The most implementable options appear to be cutting off the plume either as it leaves the Gent Property, directly before it reaches Carman Creek, or at both locations. Wells could also be located across the width of the plume along Carman Boulevard, but the depth of the plume at this location is estimated to be roughly 60 feet bgs, whereas in either of the Alternative 5a and 5b proposed locations the depth is only estimated to be 30 feet bgs. The implementability at either location depends heavily upon the availability of a location for the ex-situ treatment trailer and the presence of underground utilities that may interfere with the installation or operation of the groundwater extraction system. Prior to any excavation, a subsurface survey would be conducted. Natural groundwater migration and the increased hydraulic gradient from pumping would move the contaminated plume towards the extraction wells, and given enough time, the entire plume would be cut-off and treated or flushed. The system would have to operate continuously to maintain SCGs until the source area on the Gent Property (OU1) is treated or removed.

Land Use: The current and reasonably anticipated future land use of OU2 is for commercial and residential purposes. This alternative would be protective of potential residents and commercial workers.

Cost: The capital cost estimate for Alternative 5a is \$477,000 and for Alternative 5b is \$814,000. The NPW of these alternatives is estimated to be \$1,723,000 for Alternative 5a and \$2,460,000 for Alternative 5b. A summary of the costs associated with these alternatives is presented in Table 11.6 and 11.7. Detailed cost analysis backup is provided in Appendix H.

12.0 COMPARATIVE ANALYSIS OF REMEDIAL ALTERNATIVES

This section presents a summary of the relative performance of each of the five candidate alternatives based on the criteria evaluation described in Section 11. The purpose of the comparative analysis is to identify the advantages and disadvantages of each alternative relative to one another to aid in selecting an overall remedy for OU2 groundwater contamination.

The comparative analysis includes a narrative discussion of the strengths and weaknesses of the alternatives relative to one another with respect to each criterion, and how reasonable variations of key uncertainties could change the expectations of their relative performance, as applicable. The comparative analysis presented in this document uses a qualitative approach to comparison, with the exceptions of comparing alternative costs and the required time to implement each alternative.

A comparison of the capital and long-term costs associated with the remedial alternatives is presented in Table 12.1. Detailed cost analysis backup is provided in Appendix H.

The following subsections provide a detailed comparison of the remedial alternatives; Table 12.2 summarizes this information.

12.1 COMPLIANCE WITH STANDARDS, CRITERIA, AND GUIDANCE

Alternative 1 would not meet chemical-specific SCGs because it would not address contamination at and in the vicinity of OU2 which exceeds applicable SCG values.

Alternatives 2, 3, and 5 would not meet chemical specific SCGs in the short term, but by passive in-situ and ex-situ treatment they would satisfy SCGs in the long term for groundwater. Alternatives 3 and 5 would satisfy chemical-specific SCGs more favorably than Alternative 2 by providing a more predictable and reliable level of contamination reduction. All alternatives would need to be actively maintained, operated, and monitored continually to maintain compliance with SCGs.

Implementation of the alternatives would be conducted in accordance with applicable municipal, state, and federal guidance and regulations. Table 11.1 presents a summary of Location- and Action-Specific SCGs associated with the alternatives evaluated in this Section.

12.2 OVERALL PROTECTION OF PUBLIC HEALTH AND THE ENVIRONMENT

Alternative 1 would not protect public health and the environment through eliminating, reducing, or controlling existing or potential exposure pathways through removal, treatment, engineering controls, or institutional controls. This remedial alternative would not achieve the RAOs for groundwater.

Alternative 2 would protect public health and the environment through reducing and controlling existing or potential exposure pathways through institutional controls and the injection of enhanced biodegradation substrate and microorganisms to reduce groundwater contamination in OU2. However, the time required to reach RAOs would be substantial, and maintaining RAOs would require either continued operation of the alternative in the form of additional injections of biostimulation agents or removal or treatment of the source of contamination on the Gent Property. Use of institutional or engineering controls would be necessary until source removal and remedy operation were completed, at which point there would be no restrictions on use of OU2.

Of the considered alternatives, Alternatives 3 and 5 would most easily reach RAOs for OU2. A permeable reactive barrier is a reliable technology that requires little maintenance and will provide consistent, substantial reduction in contamination in the groundwater plume. A pump and treat system allows isolation of the plume from the source and direct control of discharge concentrations. However, both alternatives also create a new potential exposure pathway to contaminants. Installing a permeable reactive barrier would potentially require off-site disposal of excavated soils, and installing a pump and treat system would bring contaminated groundwater to the surface where a system or plumbing failure could release contaminants to areas where direct exposure would be possible. These threats are not uncommon and could be mitigated with common engineering controls and safe design practices. These alternatives provide favorable protection of public health and the environment compared to Alternatives 1 and 2.

12.3 SHORT-TERM EFFECTIVENESS

Because no actions would be taken, Alternative 1 would not result in short-term adverse impacts and risks to the community, site workers, and the environment. Alternatives 2, 3, and 5 include remedial activities which would result in potential short-term risks to the community, site workers, and the environment. However, the risks could be addressed through: coordination and communication with the affected property owner(s); erosion, sedimentation and dust control where applicable; and preparation and implementation of a comprehensive contractor health and safety plan. It is estimated that these alternatives could be fully implemented in less than one year.

Alternative 2 consists of low impact construction that would least disturb OU2 and therefore presents the least potential short-term adverse impacts and risks to the community, site workers, and the environment. Construction activities consist primarily of drilling, installation of monitoring and injection wells, and in-situ treatment via injection. Alternatives 3 and 5 include the extraction of contaminated groundwater and would therefore present a greater potential short-term risk.

Alternative 1 would provide the least short-term reduction in potential exposure pathways. Alternatives 2, 3, and 5 would reduce OU2 contamination in the short-term to varying degrees of effectiveness, and all of the alternatives would rely upon institutional and engineering controls until RAOs for groundwater were met. Alternatives 2, 3, and 5 would allow for unrestricted use of OU2 and would meet RAOs for groundwater.

12.4 LONG-TERM EFFECTIVENESS AND PERMANENCE

Alternative 1 would not include actions to address contaminated groundwater in OU2. This remedy does not currently meet RAOs for groundwater. While Alternative 1 may meet RAOs due to natural attenuation processes, this would not be expected in the near future due to the magnitude of contamination at the Gent Property and the extent of the existing plume.

Alternatives 2, 3, and 5 would all achieve groundwater RAOs in the long-term. Alternative 5 requires constant operation and monitoring and Alternative 2 requires regular injection of biostimulation agent on a three to five year interval to maintain RAOs and plume isolation from contamination on the Gent Property. Alternative 3 would potentially require infrequent cleaning, recharge, or replacement of

barrier material, on the order of once every 15 to 20 years, but otherwise requires no operation or maintenance to maintain RAOs and plume isolation from contamination on the Gent Property.

Alternative 5 may have the greatest potential for immediate reduction of contamination within OU2, but due to the unknown nature and extent of the source of contamination on the Gent Property and the uncertainty if/when it will be treated, it may be more prudent to pursue an option that would require less operation and maintenance in the event the source remains on the Gent Property for an extended period of time. Alternatives 2 and 3 both achieve RAOs and require less monitoring and maintenance than Alternative 5.

Reduction of Toxicity, Mobility, or Volume with Treatment: Alternative 1 would not result in the reduction of toxicity, mobility, or volume of groundwater contamination through treatment.

Alternative 5 would result in the reduction of toxicity, mobility, and volume of groundwater contamination in OU2 through extraction and ex-situ treatment of VOC contaminated groundwater in OU2. Alternatives 2 and 3 would result in the reduction of toxicity, mobility, and volume of groundwater contamination through in-situ treatment of groundwater. None of these alternatives would reduce the toxicity, mobility, or volume of contaminated water in the OU2 plume downgradient of the installation; the contaminants are expected to diffuse or dilute to concentrations less than SCGs and eventually discharge beyond OU2.

Implementability: No actions would be conducted under Alternative 1, therefore there are no technical difficulties associated with this alternative. However, obtaining regulatory approval of this alternative would be difficult.

Alternatives 2, 3, and 5 would all face similar logistical difficulties due to the large area of private residential property overlies the OU2 contaminant plume. Although the technologies proposed are commonly used and readily available, the restrictions imposed by the private ownership of the land and likely presence of underground utilities make it more difficult to install them in a way that achieves SCGs for the groundwater plume. The most feasible way to apply these technologies appears to be to isolate the plume from the source of contamination on the Gent Property and either allow the plume downgradient of the remedy to naturally attenuate, or to install an additional remedy component to isolate the plume from Carman Creek. Although it may be more difficult to obtain regulatory

approval for a method that allows the majority of the plume to diffuse or discharge, it is much more implementable than attempting to treat the entirety of the plume with any of these technologies.

Alternatives 2 and 3 may both be installed as barriers by injection, which makes them well suited for avoiding difficulties posed by underground utilities and for passively treating a large plume using a small treatment area. Injections could potentially occur directly to the south of the Gent Property, along Carman Boulevard, or along Roosevelt Boulevard to isolate the plume from the source of contamination of the Gent Property and from the creek. Given enough time to operate, both alternatives would achieve SCGs. Obtaining regulatory approval of these alternatives is not expected to be difficult.

Alternative 5 shares similarities with Alternatives 2 and 3 in that it can act as a barrier to hydraulically isolate the contaminant plume from the area of source contamination as well as Carman Creek. The main implementability concerns are: the location of underground utilities that may provide preferential pathways that reduce the effectiveness of the extraction system or interfere with extraction well placement; the ability to locate space in OU2 (residential neighborhood) to place a treatment trailer to perform treatment on the contaminated groundwater; and the potential need to isolate Carman Creek, which would require roughly 2000 feet of additional piping and trenching or a second treatment trailer. Depending on whether or not the system isolates the plume from Carman Creek and the source area, obtaining regulatory approval may be more difficult than Alternatives 2 and 3.

Before implementation of any alternative, a thorough subsurface survey should be performed to identify the location of utilities within the area of OU2, as this information may drastically modify remedial design.

Land Use: The current and reasonably anticipated future land use of OU2 is for commercial and/or residential purposes. No further action would be taken as part of Alternative 1; therefore, no restrictions would be in place for future use of groundwater and Alternative 1 would not be compatible with applicable SCGs.

Alternatives 2, 3, and 5 would be compatible with current land use and with reasonably anticipated future land use; therefore, these alternatives would allow for unrestricted use of OU2.

Cost: A comparison of estimated capital and long-term costs associated with the remedial alternatives is presented in Table 12.1.

13.0 REFERENCES

Agency for Toxic Substances and Disease Registry, 1997. Toxicological profile for Tetrachloroethene. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

MACTEC Engineering and Consulting, P.C. (MACTEC), 2010a. Transmittal of 2010 SVI Study Results, Gent Uniform OU2 RI. October, 2010.

MACTEC, 2010b. Amendment 1 for Work Assignment # D004434-32.1, Field Activities Plan, for Gent Uniform Rental Service, NYSDEC Site # 130056. Prepared for New York State Department of Environmental Conservation, Albany, New York. August 2010.

MACTEC, 2009. Remedial Investigation/Feasibility Study Field Activities Plan, for Gent Uniform Rental Service, NYSDEC Site # 130056. Prepared for New York State Department of Environmental Conservation, Albany, New York. November 2009.

MACTEC, 2007. Program Quality Assurance Program Plan. Prepared for the New York State Department of Environmental Conservation, Albany, New York. October 2007.

MACTEC, 2005. Program Health and Safety Plan. Prepared for New York State Department of Environmental Conservation, Albany, New York. 2005.

National Climactic Data Center (NCDC), 1999. Comparative Climactic Data for the United States through 1998. June 22, 1999.

New York State (NYS), 2006. New York Codes, Rules, and Regulations, Title 6, Part 375- Environmental Remediation Programs. December, 2006.

NYS, 1999a. New York Codes, Rules, and Regulations, Title 6, Part 371- Identification and Listing of Hazardous Wastes. Amended November 1999.

NYS, 1999b. New York Codes, Rules, and Regulations, Title 6, Part 700-705 Water Quality Regulations Surface Water and Groundwater Classifications and Standards. Amended August 1999.

New York State Department of Environmental Conservation (NYSDEC), 2010. DER-10, Technical Guidance for Site Investigation and Remediation. May 2010.

NYSDEC, 2009. WA Issuance/Notice to Proceed (D004434-32). July 16, 2009.

NYSDEC, 2005a. “Analytical Services Protocols”; 6/05 Edition; June 2005.

NYSDEC, 2005b. Record of Decision (ROD), Gent Uniform Rental Service Site Operable Unit No. 1, Massapequa, Town of Oyster Bay, Nassau County, New York; Site Number 1-30-056. March 2005.

NYSDEC, 2005c. Fact Sheet for the Fact Sheet for the Proposed Remedial Action Plan Gent Uniform Rental Service Operable Unit 1 Site Number 1-30-056. January 2005.

NYSDEC, 1998. Division of Water Technical and Operational Guidance Series (1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. October 1998 (revised).

New York State Department of Health (NYSDOH), 2006. Guidance for Evaluating Soil Vapor Intrusion in the State of New York. October, 2006.

Roux Associates, Inc., 2007. Scope of Work for Soil Vapor Investigation, Gent Uniform Rental, Operable Unit 2, Massapequa, New York. December 5, 2007.

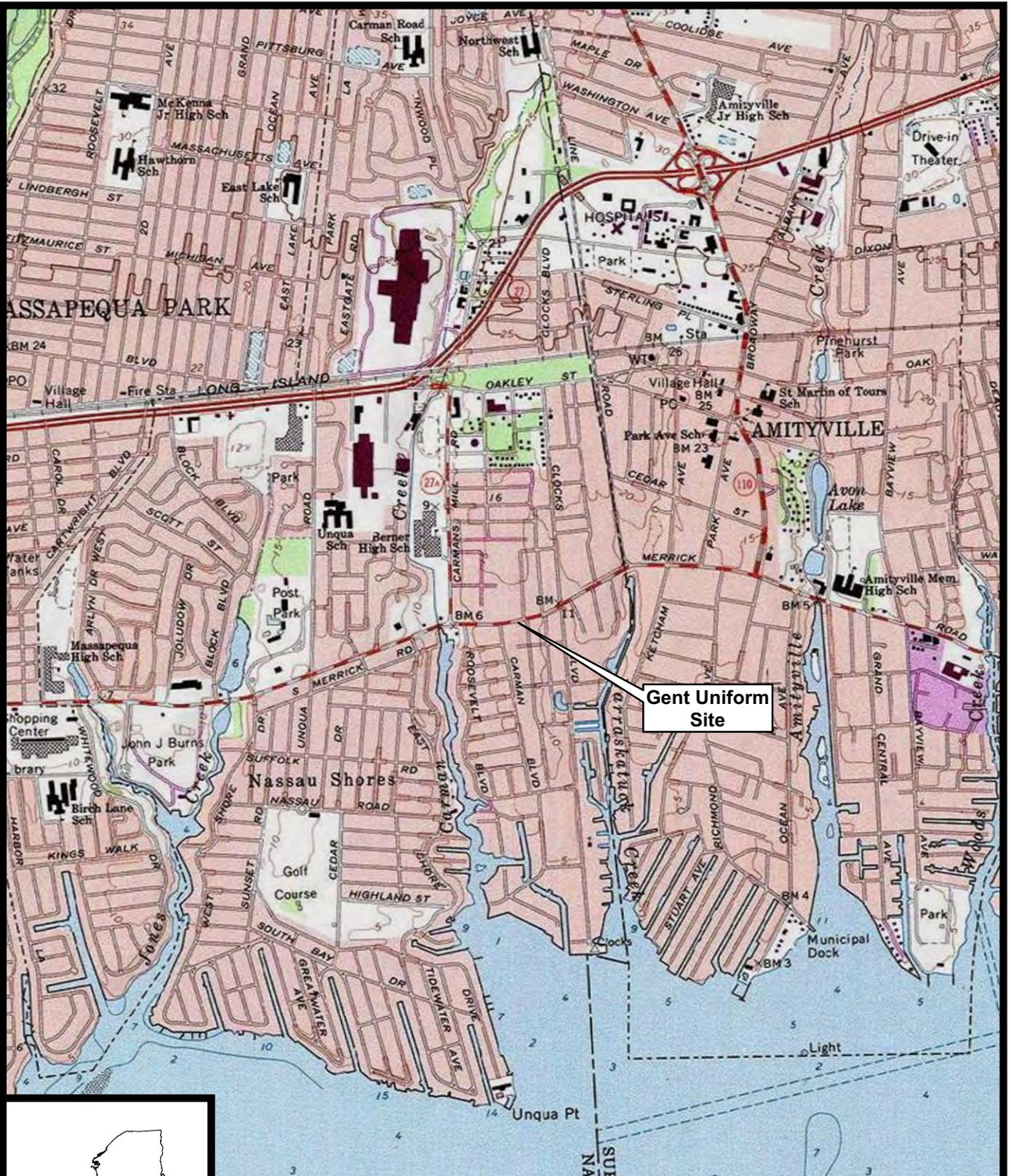
Roux Associates, Inc., 2005. Remedial Investigation Work Plan, Gent Uniform Rental, Operable Unit 2, Massapequa, New York. December 19, 2005.

United States Environmental Protection Agency (USEPA), 2000. “A Guide for Developing and Documenting Cost Estimates During the Feasibility Study”; EPA 540-R-00-002, OSWER 9355.0-75; U.S. Environmental Protection Agency; Washington, D.C., July 2000.

USEPA, 1990. “Basics of Pump and Treat Groundwater Remediation Technology”. James W. Mercer, et. al.; EPA-600/8-90/003; March 1990.

United States Environmental Protection Agency (USEPA), 1988. “Guidance for Conducting Remedial Investigations and Feasibility Studies under CERCLA” (Interim Final); EPA/540/G-89/004; October 1988.

FIGURES



Gent Uniform Site



USGS 1:24,000 scale digital topographic map from ArcGIS Online map services. Map service information available at: http://goto.arcgisonline.com/maps/USA_Topo_Maps

N

0 1,000 2,000 Feet

Prepared/Date: BRP 03/25/11
Checked/Date: BAS 03/25/11

OU2 RI REPORT
GENT UNIFORM SITE
MASSAPEQUA, NEW YORK



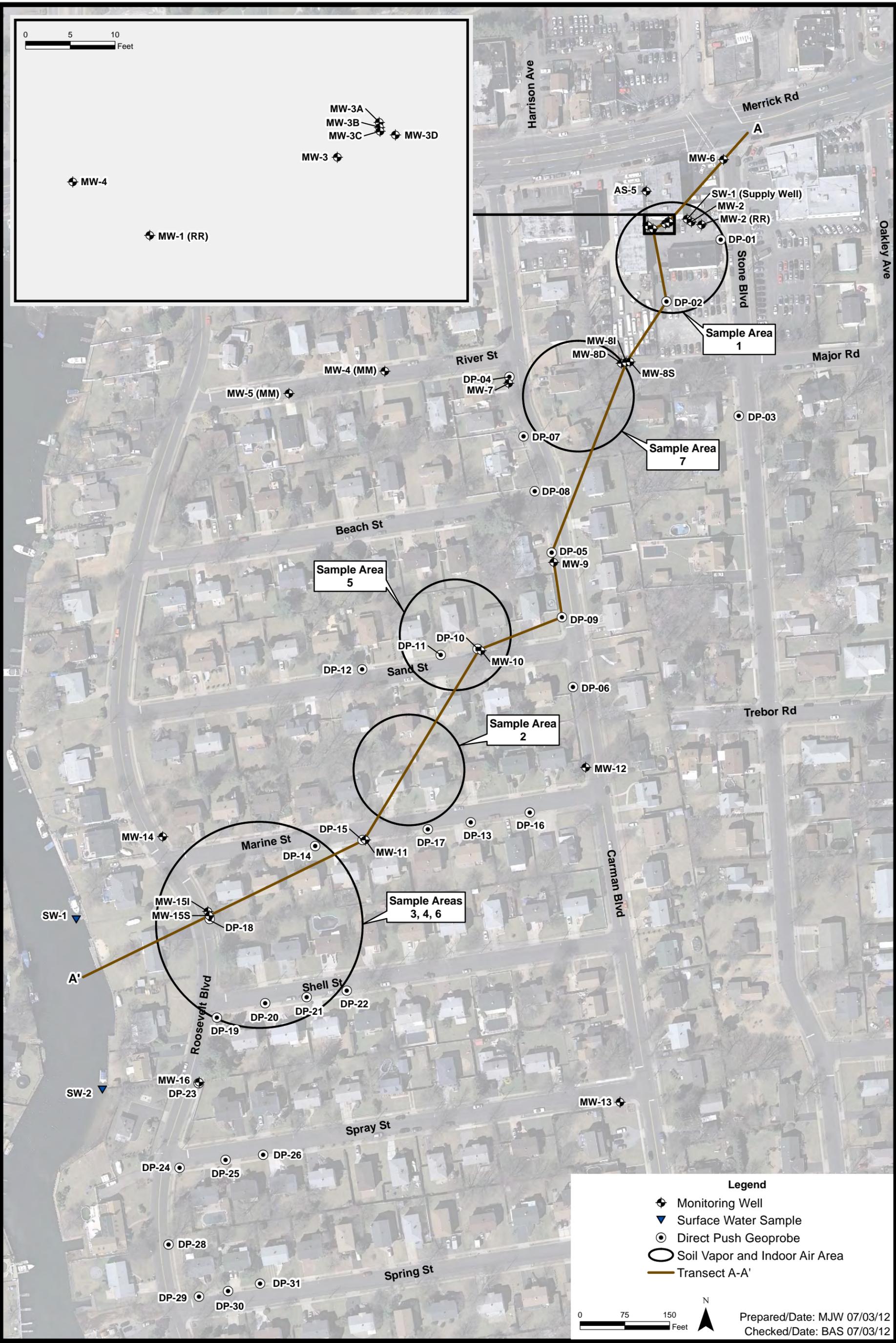
SITE LOCATION
PROJECT 3612-09-2134
Figure 2.1

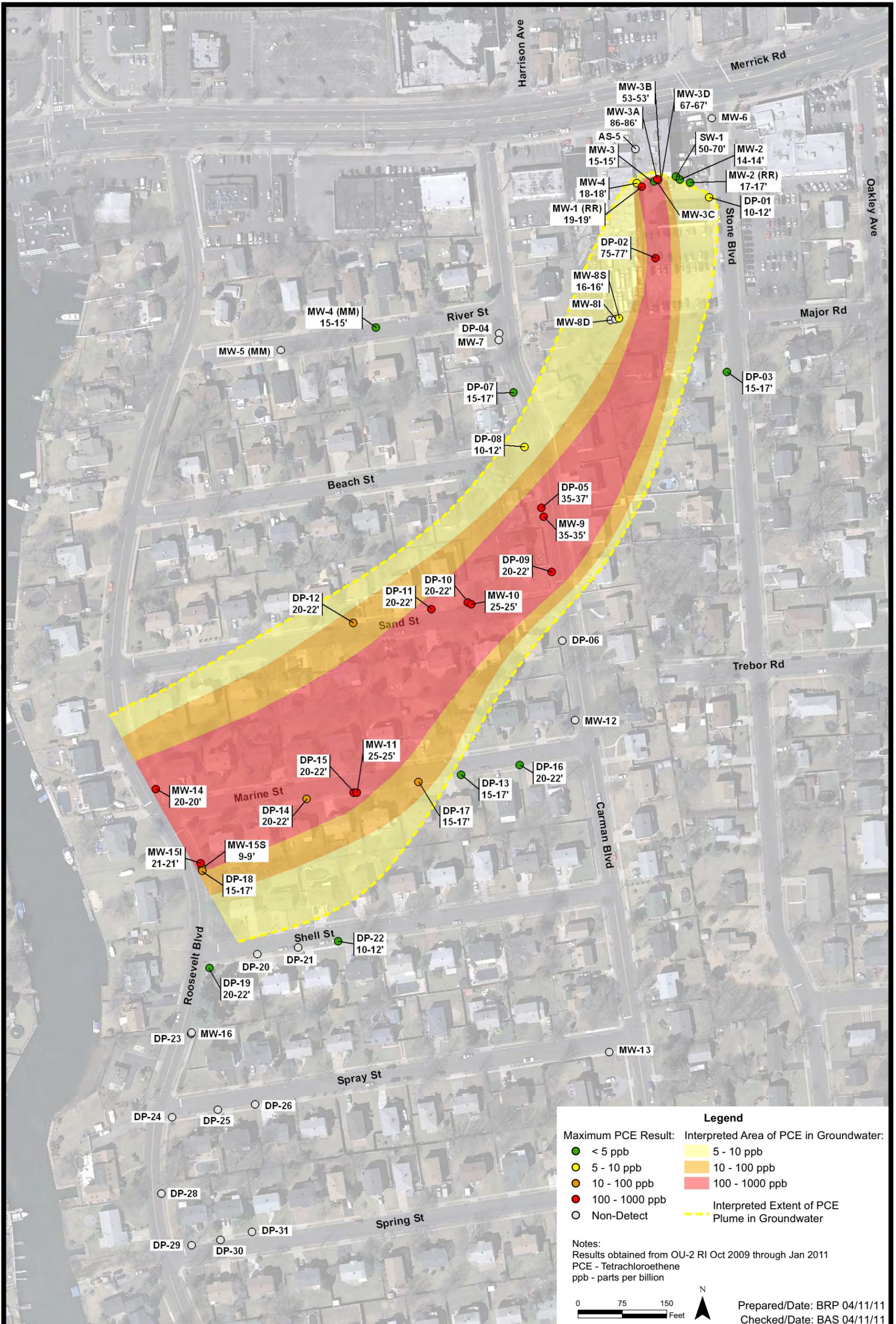






Document: P:\Projects\mystec\1\Contract\04434 and 04444\projects\Gent Uniform\4.0_Deliverables\4.5_Data\GIS\MapDocuments\OU2 RI Report March 2011\OU2 RI Locations_11x17P_inset.mxd PDF: P:\Projects\mystec\1\Contract\04434 and 04444\projects\Gent Uniform\4.0_Deliverables\4.1_Reports\Draft RI Report\Figures\Figure 3.1_Area Sampling Locations_March 2012_rev.pdf 7/3/2012 10:48 AM michael.washburn





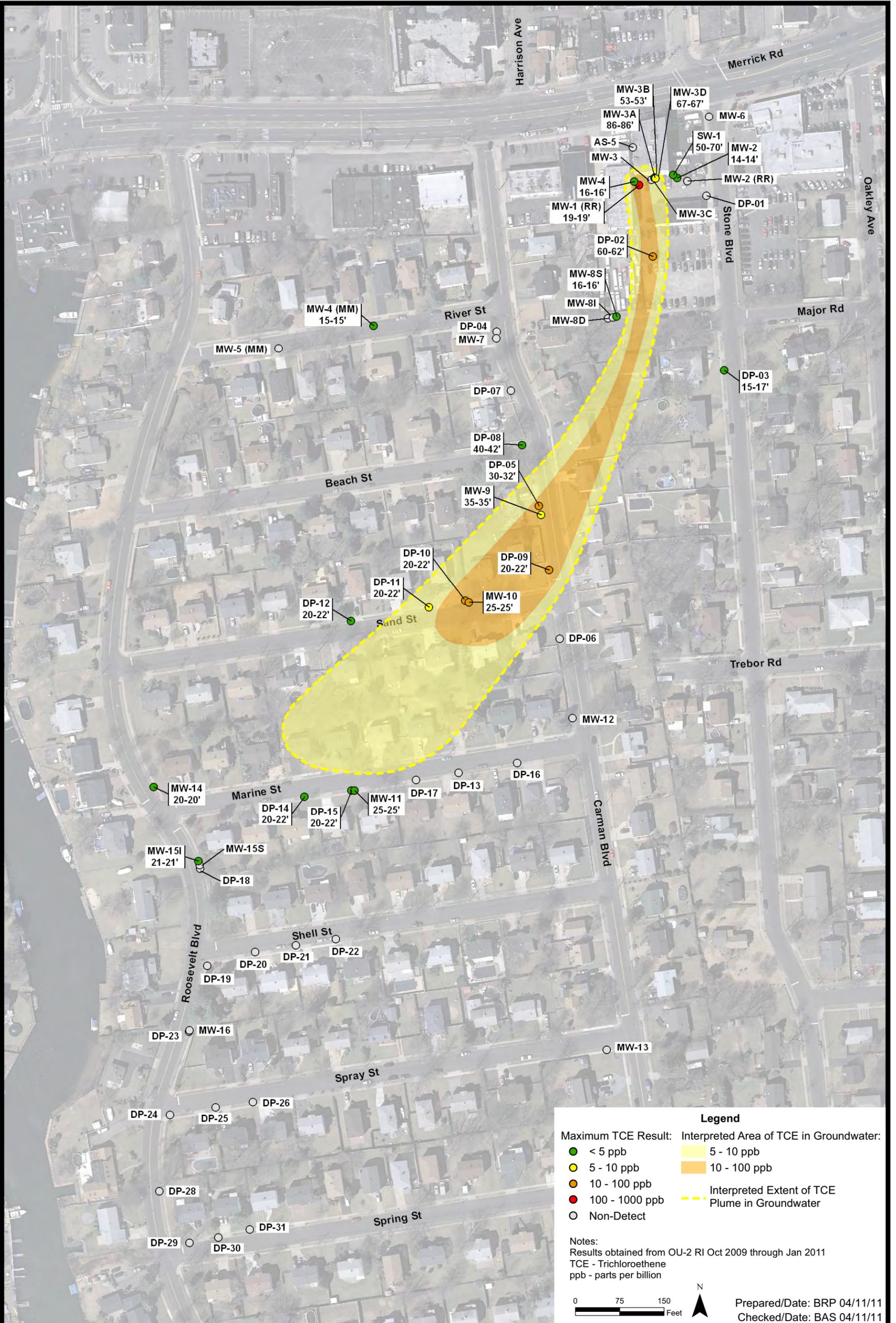
Legend

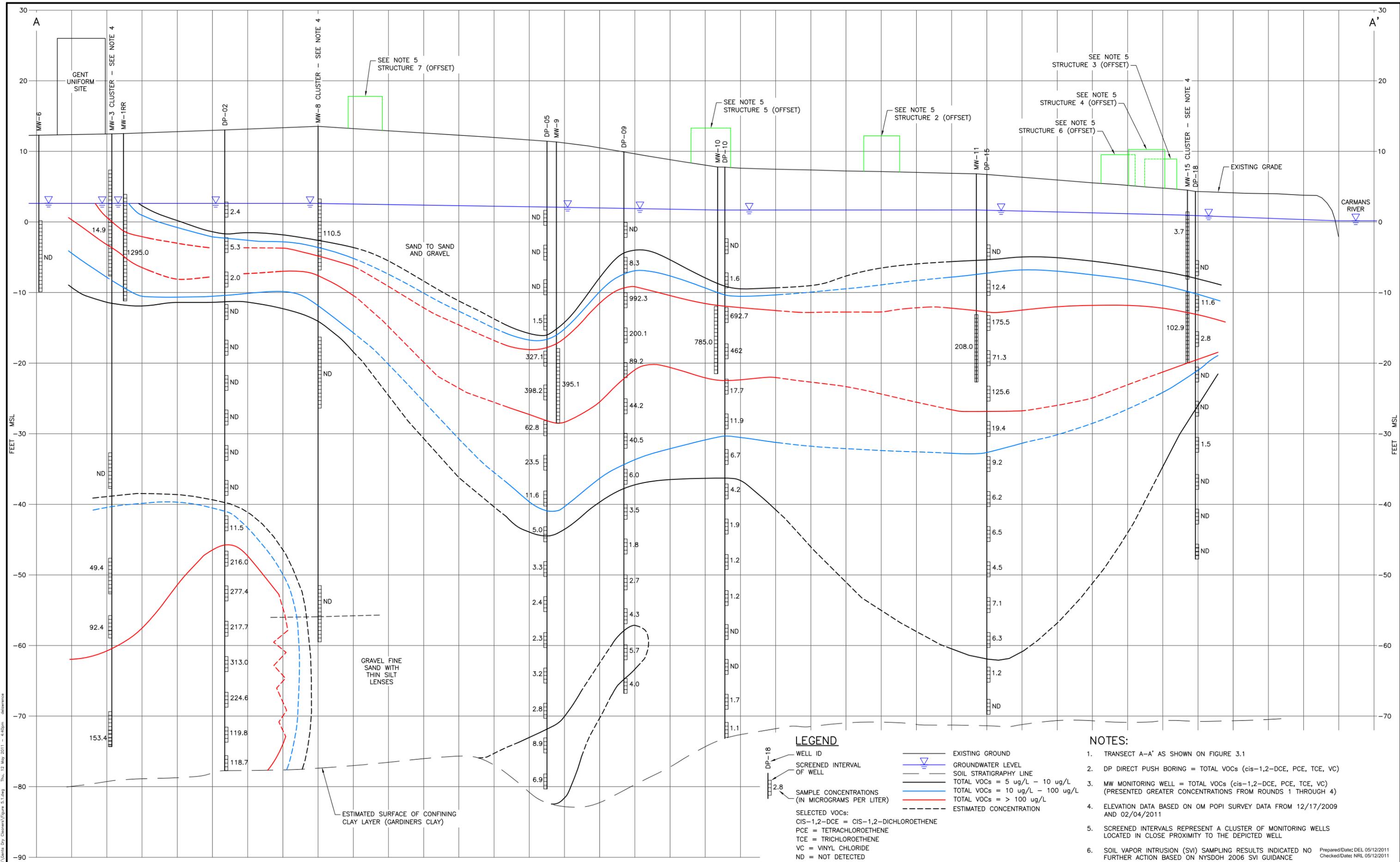
Maximum PCE Result:	Interpreted Area of PCE in Groundwater:
● < 5 ppb	5 - 10 ppb
● 5 - 10 ppb	10 - 100 ppb
● 10 - 100 ppb	100 - 1000 ppb
● 100 - 1000 ppb	Interpreted Extent of PCE
○ Non-Detect	Plume in Groundwater

Notes:
 Results obtained from OU-2 RI Oct 2009 through Jan 2011
 PCE - Tetrachloroethene
 ppb - parts per billion

0 75 150 Feet

Prepared/Date: BRP 04/11/11
 Checked/Date: BAS 04/11/11



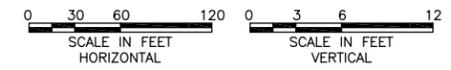


LEGEND

- WELL ID
- SCREENED INTERVAL OF WELL
- SAMPLE CONCENTRATIONS (IN MICROGRAMS PER LITER)
- EXISTING GROUND
- GROUNDWATER LEVEL
- SOIL STRATIGRAPHY LINE
- TOTAL VOCs = 5 ug/L - 10 ug/L
- TOTAL VOCs = 10 ug/L - 100 ug/L
- TOTAL VOCs = > 100 ug/L
- ESTIMATED CONCENTRATION

SELECTED VOCs:
 CIS-1,2-DCE = CIS-1,2-DICHLOROETHENE
 PCE = TETRACHLOROETHENE
 TCE = TRICHLOROETHENE
 VC = VINYL CHLORIDE
 ND = NOT DETECTED

- NOTES:**
- TRANSECT A-A' AS SHOWN ON FIGURE 3.1
 - DP DIRECT PUSH BORING = TOTAL VOCs (cis-1,2-DCE, PCE, TCE, VC)
 - MW MONITORING WELL = TOTAL VOCs (cis-1,2-DCE, PCE, TCE, VC) (PRESENTED GREATER CONCENTRATIONS FROM ROUNDS 1 THROUGH 4)
 - ELEVATION DATA BASED ON OM POPI SURVEY DATA FROM 12/17/2009 AND 02/04/2011
 - SCREENED INTERVALS REPRESENT A CLUSTER OF MONITORING WELLS LOCATED IN CLOSE PROXIMITY TO THE DEPICTED WELL
 - SOIL VAPOR INTRUSION (SVI) SAMPLING RESULTS INDICATED NO FURTHER ACTION BASED ON NYSDOH 2006 SVI GUIDANCE



M:\Projects\OU2\Gent Uniform Site\Gent Uniform Site\Figure 5.1.dwg Thu, 12 May 2011 11:44:00am delaware

TABLES

Table 2.1: Groundwater Monitoring Well Details

Monitoring Well ID	Screen Depth Interval (ft bgs)	Northing	Easting	Ground Elevation (ft amsl)	Casing Elevation (ft amsl)	Measuring Point (TOR) Elevation (ft amsl)	TOC-TOR (ft)	BOW (from TOR) (ft)
MW-1 (RR)	8.4-23.4	183548.082	1142654.892	13.19	13.19	12.84	0.35	23.40
MW-2	unknown	183560.371	1142719.379	12.91	12.91	12.69	0.22	16.1
MW-2 (RR)	6.9-21.9	183555.168	1142736.710	12.74	12.74	12.44	0.30	21.95
MW-3	5.0-20	183556.782	1142675.864	13.03	13.03	12.81	0.22	19.5
MW-3A	81.5-86.5	183560.702	1142680.547	13.16	13.16	13.05	0.11	86.5
MW-3B	60-65	183560.151	1142680.573	13.16	13.16	13.03	0.13	64.1
MW-3C	45-50	183559.723	1142680.626	13.16	13.16	12.95	0.21	50.7
MW-3D	68-73	183559.304	1142682.364	13.13	13.13	12.99	0.14	73.5
MW-4	5.0-20	183554.055	1142646.294	13.68	13.68	13.47	0.21	19.85
MW-4 (MM)	unknown	183309.695	1142205.591	10.38	10.38	9.65	0.73	18.85
MW-5	unknown	183616.792	1142643.628	13.54	13.54	13.29	0.25	9.91
MW-5 (MM)	unknown	183271.449	1142045.012	8.27	8.27	7.46	0.81	18.82
MW-6	12.2-22.2	183664.385	1142773.493	12.68	12.68	12.32	0.36	22.25
MW-7	10.5-20.1	183288.728	1142413.051	11.68	11.68	11.43	0.25	20.15
MW-8D	65.2-74.8	183322.620	1142601.967	13.51	13.51	13.08	0.43	74.9
MW-8I	29.9-39.5	183323.921	1142610.123	13.47	13.47	13.09	0.38	39.6
MW-8S	10.1-20.1	183324.957	1142616.534	13.41	13.41	13.06	0.35	20.2
MW-9	29.3-39.7	182988.487	1142488.755	11.09	11.09	10.7	0.39	39.75
MW-10	19.5-29.1	182839.851	1142366.691	9.74	9.74	9.36	0.38	29.4
MW-11	19.9-29.5	182521.409	1142172.977	6.85	6.85	6.62	0.23	29.8
MW-12	5.1-15.0	182643.677	1142542.018	10.23	10.23	9.91	0.32	14.89
MW-13	4.9-14.8	182081.397	1142599.993	9.39	9.39	9.22	0.17	14.88
MW-14	13.4-23.3	182527.181	1141833.222	3.78	3.78	3.54	0.24	23.30
MW-15S	2.9-12.6	182394.477	1141911.022	4.18	4.18	4.02	0.1	12.76
MW-15I	14.5-24.4	182401.229	1141908.890	4.16	4.16	3.97	0.2	24.55
MW-16	14.8-24.7	182114.832	1141894.301	4.18	4.18	4.09	0.1	24.84
AS-5	25-27	183611.793	1142643.797	13.48	13.82	13.82	0.0	26.3
SW-1	50-70	183564.948	1142712.234	12.89	12.89	7.19	5.7	70.0

Notes:

- TOC = top of casing
- TOR = top of riser
- BOW = bottom of monitoring well
- MW = overburden monitoring well
- AS = air sparging well
- SW = supply well
- RR = Range Rover
- MM = Minute Man Dry Cleaners
- ft = feet
- amsl = above mean sea level
- bgs = below ground surface
- Wells Surveyed by Om Popli Surveyors (12/17/2009)
- Northing/Easting = North American Datum 83/96 - NYSPCS EAST (US survey feet)
- Elevations = North Atlantic Vertical Datum 88 (US survey feet)

Table 2.2: Groundwater Monitoring Well Elevations

Monitoring Well ID	Measuring Point Elevation (TOR) (ft amsl)	Ground Surface Elevation (ft amsl)	Screen Depth Interval (ft bgs)	Date: 10/27/2009			Date: 01/11/2010			Date: 05/17/2010			Date: 01/31/2011		
				DTW (from TOR) (ft)	Groundwater Depth BGS (ft)	Groundwater Surface Elevation (ft amsl)	DTW (from TOR) (ft)	Groundwater Depth BGS (ft)	Groundwater Surface Elevation (ft amsl)	DTW (from TOR) (ft)	Groundwater Depth BGS (ft)	Groundwater Surface Elevation (ft amsl)	DTW (from TOR) (ft)	Groundwater Depth BGS (ft)	Groundwater Surface Elevation (ft amsl)
MW-1 (RR)	12.84	13.19	8.4-23.4	9.90	10.25	2.94	10.05	10.40	2.79	9.97	10.32	2.87	10.15	10.50	2.69
MW-2	12.69	12.91	unknown	9.79	10.01	2.90	9.90	10.12	2.79	NA	-	-	10.02	10.24	2.67
MW-2 (RR)	12.44	12.74	6.9-21.9	9.60	9.90	2.84	9.73	10.03	2.71	9.66	9.96	2.78	9.81	10.11	2.63
MW-3	12.81	13.03	5.0-20	9.98	10.20	2.83	10.08	10.30	2.73	9.60	9.82	3.21	10.15	10.37	2.66
MW-3A	13.05	13.16	81.5-86.5	10.23	10.34	2.82	10.04	10.15	3.01	9.11	9.22	3.94	10.27	10.38	2.78
MW-3B	13.03	13.16	60-65	9.88	10.01	3.15	10.21	10.34	2.82	10.31	10.44	2.72	10.31	10.44	2.72
MW-3C	12.95	13.16	45-50	10.09	10.30	2.86	10.05	10.26	2.90	11.22	11.43	1.73	10.20	10.41	2.75
MW-3D	12.99	13.13	68-73	10.43	10.57	2.56	10.05	10.19	2.94	10.86	11.00	2.13	10.25	10.39	2.74
MW-4	13.47	13.68	5.0-20	10.65	10.86	2.82	10.74	10.95	2.73	10.70	10.91	2.77	10.90	11.11	2.57
MW-4 (MM)	9.65	10.38	unknown	7.34	8.07	2.31	7.51	8.24	2.14	7.42	8.15	2.23	7.55	8.28	2.10
AS-5	13.82	13.48	25-27	11.07	10.73	2.75	10.94	10.60	2.88	10.89	10.55	2.93	11.10	10.76	2.72
MW-5 *	13.29	13.54	unknown	> 9.91	> 10.16	> 3.38	> 9.91	> 10.16	> 3.38	> 9.91	> 10.16	> 3.38	> 9.91	> 10.16	> 3.38
MW-5 (MM)	7.46	8.27	unknown	5.48	6.29	1.98	5.65	6.46	1.81	5.56	6.37	1.90	5.67	6.48	1.79
MW-6	12.32	12.68	12.2-22.2	NI	-	-	9.38	9.74	2.94	9.36	9.72	2.96	9.53	9.89	2.79
MW-7	11.43	11.68	10.5-20.1	NI	-	-	9.12	9.37	2.31	9.1	9.35	2.33	9.18	9.43	2.25
MW-8D	13.08	13.51	65.2-74.8	NI	-	-	10.64	11.07	2.44	10.61	11.04	2.47	10.71	11.14	2.37
MW-8I	13.09	13.47	29.9-39.5	NI	-	-	10.67	11.05	2.42	10.65	11.03	2.44	10.77	11.15	2.32
MW-8S	13.06	13.41	10.1-20.1	NI	-	-	10.59	10.94	2.47	10.56	10.91	2.50	10.68	11.03	2.38
MW-9	10.7	11.09	29.3-39.7	NI	-	-	8.75	9.14	1.95	8.71	9.10	1.99	8.77	9.16	1.93
MW-10	9.36	9.74	19.5-29.1	NI	-	-	7.6	7.98	1.76	7.59	7.97	1.77	7.61	7.99	1.75
MW-11	6.62	6.85	19.9-29.5	NI	-	-	5.32	5.55	1.30	5.33	5.56	1.29	5.29	5.52	1.33
MW-12	9.91	10.23	5.1-15.0	NI	-	-	NI	-	-	NI	-	-	8.19	8.51	1.72
MW-13	9.22	9.39	4.9-14.8	NI	-	-	NI	-	-	NI	-	-	7.92	8.09	1.30
MW-14	3.54	3.78	13.4-23.3	NI	-	-	NI	-	-	NI	-	-	2.54	2.78	1.00
MW-15S	4.02	4.18	2.9-12.6	NI	-	-	NI	-	-	NI	-	-	3.01	3.17	1.01
MW-15I	3.97	4.16	14.5-24.4	NI	-	-	NI	-	-	NI	-	-	2.96	3.15	1.01
MW-16	4.09	4.18	14.8-24.7	NI	-	-	NI	-	-	NI	-	-	3.19	3.28	0.90
SW-1	7.19	12.89	50-70	NA	-	-									

Notes:

TOR = Top of monitoring well riser
 DTW = depth to water
 ft = feet
 amsl = above mean sea level
 bgs = below ground surface
 NA = Not accessible
 "-" = Not measured
 NI = Not installed

MW = Monitoring well
 AS = Air sparging well
 SW = Supply well
 RR = Range Rover
 MM = Minuteman Dry Cleaners
 Wells surveyed by Om Poplis Surveyors (12/17/2009 and 02/04/2011)
 Elevations = North Atlantic Vertical Datum 88 (US survey feet)
 Water levels measured by MACTEC Engineering and Consulting

* = Water level in MW-5 has been dry during four groundwater level rounds

Table 3.1: Remedial Investigation Field Activities

Media Type	Date	Boring/Sample Locations	Parameters
Direct Push Geoprobe Groundwater Profiling	November 2-6, 2009	DP-1 through DP-6	VOCs, SVOCs
	November 30 - December 4, 2009	DP-7 through DP-17	VOCs
	December 13-16, 2010	DP-18 through DP-31 (with the exception of DP-27)	VOCs
Groundwater Monitoring Well Installation	November 16-20, 2009	Installed six (6), two-inch monitoring wells: MW-6, MW-7, MW-8S, MW-8I, MW-8D, MW-9	NA
	December 15-17, 2009	Installed two (2), two-inch monitoring wells: MW-10, MW-11	NA
Microwell Installation	January 4-6, 2011	Installed six (6), one-inch microwells: MW-12, MW-13, MW-14, MW-15S, MW-15I, MW-16	NA
Groundwater Monitoring Well Sampling	October 27-29, 2009	AS-5, MW-1RR, MW-2RR, MW-4MM, MW-5MM, MW-2, MW-3, MW-4, SW-1	VOCs, SVOCs, metals
	January 11-14, 2010	AS-5, MW-1RR, MW-2RR, MW-4MM, MW-5MM, MW-2, MW-3, MW-3A, MW-3B, MW-3C, MW-3D, MW-4, MW-6, MW-7, MW-8S, MW-8I, MW-8D, MW-9, MW-10, MW-11	VOCs, SVOCs, metals, MNA
	May 17-20, 2010	MW-1RR, MW-4MM, MW-5MM, MW-3A, MW-3B, MW-3C, MW-3D, MW-6, MW-7, MW-8S, MW-8I, MW-8D, MW-9, MW-10, MW-11	VOCs
	January 31 - February 2, 2011	AS-5, MW-1RR, MW-2RR, MW-4MM, MW-5MM, MW-2, MW-3, MW-3A, MW-3B, MW-3C, MW-3D, MW-4, MW-1, MW-6, MW-7, MW-8S, MW-8I, MW-8D, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15S, MW-15I, MW-16	VOCs, SVOCs, metals
Soil Vapor and Indoor Air Sampling	January 11-12, 2010	Structure 01	TO-15
	February 23-24, 2010	Structure 02 through Structure 06	TO-15
	March 17-18, 2010	Structure 07	TO-15
Site Survey	18-Feb-10	Site base map survey and X,Y,Z coordinates of AS-5, MW-1RR, MW-2RR, MW-4MM, MW-5MM, MW-2, MW-3, MW-3A, MW-3B, MW-3C, MW-3D, MW-4, SW-2, MW-6, MW-7, MW-8S, MW-8I, MW-8D, MW-9, MW-10, MW-11	NA
	4-Feb-11	Survey X, Y, Z coordinates of MW-12, MW-13, MW-14, MW-15S, MW-15I, MW16	NA

Notes:

- VOC = volatile organic compound
- SVOC = semivolatile organic compound
- MNA = monitored natural attenuation
- NA = not applicable
- MM = Minute Man Dry Cleaners
- RR = Range Rover
- MW = monitoring well
- DP = direct push

Table 4.1: Groundwater Profiling Selected VOC Results

Boring Location	Sample Date	Sample ID	Sample Top Depth (ft bgs)	Sample Bottom Depth (ft bgs)	QC Code	Parameter Name		Tetrachloroethene		Trichloroethene		Cis-1,2-DCE		Vinyl Chloride	
						Criteria		5		5		5		2	
						Units		µg/L		µg/L		µg/L		µg/L	
						Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
DP-01	11/5/2009	130056GW00110X	10	12	FS	6.7		1	U	1	U	1	U	1	U
	11/5/2009	130056GW00115X	15	17	FS	1	U	1	U	1	U	1	U	1	U
	11/5/2009	130056GW00120X	20	22	FS	1	U	1	U	1	U	1	U	1	U
	11/5/2009	130056GW00125X	25	27	FS	1	U	1	U	1	U	1	U	1	U
	11/5/2009	130056GW00130X	30	32	FS	1	U	1	U	1	U	1	U	1	U
	11/5/2009	130056GW00135X	35	37	FS	1	U	1	U	1	U	1	U	1	U
	11/5/2009	130056GW00140X	40	42	FS	1	U	1	U	1	U	1	U	1	U
	11/5/2009	130056GW00145X	45	47	FS	1	U	1	U	1	U	1	U	1	U
	11/5/2009	130056GW00150D	50	52	FD	1	U	1	U	1	U	1	U	1	U
	11/5/2009	130056GW00150X	50	52	FS	1	U	1	U	1	U	1	U	1	U
	11/5/2009	130056GW00155X	55	57	FS	1	U	1	U	1	U	1	U	1	U
	11/5/2009	130056GW00160X	60	62	FS	1	U	1	U	1	U	1	U	1	U
11/5/2009	130056GW00165X	65	67	FS	1	U	1	U	1	U	1	U	1	U	
11/5/2009	130056GW00170X	70	72	FS	1	U	1	U	1	U	1	U	1	U	
11/5/2009	130056GW00175X	75	77	FS	1	U	1	U	1	U	1	U	1	U	
DP-02	11/2/2009	130056GW00210X	10	12	FS	2.4		1	U	1	U	1	U	1	U
	11/2/2009	130056GW00215X	15	17	FS	1.6		1	U	3.7		1	U	1	U
	11/2/2009	130056GW00220X	20	22	FS	1	U	1	U	2		1	U	1	U
	11/2/2009	130056GW00225X	25	27	FS	1	U	1	U	1	U	1	U	1	U
	11/2/2009	130056GW00230X	30	32	FS	1	U	1	U	1	U	1	U	1	U
	11/2/2009	130056GW00235X	35	37	FS	1	U	1	U	1	U	1	U	1	U
	11/3/2009	130056GW00240X	40	42	FS	1	U	1	U	1	U	1	U	1	U
	11/3/2009	130056GW00245X	45	47	FS	1	U	1	U	1	U	1	U	1	U
	11/3/2009	130056GW00250X	50	52	FS	1	U	1	U	1	U	1	U	1	U
	11/3/2009	130056GW00255X	55	57	FS	9.5		2		1	U	1	U	1	U
	11/3/2009	130056GW00260D	60	62	FD	123		22.6		1	U	1	U	1	U
	11/3/2009	130056GW00260X	60	62	FS	189		27		1	U	1	U	1	U
	11/3/2009	130056GW00265X	65	67	FS	259		18.4		1	U	1	U	1	U
	11/3/2009	130056GW00270X	70	72	FS	205		12.7		1	U	1	U	1	U
	11/3/2009	130056GW00275X	75	77	FS	305		8		1	U	1	U	1	U
11/3/2009	130056GW00280X	80	82	FS	218		6.6		1	U	1	U	1	U	
11/3/2009	130056GW00285X	85	87	FS	115		4.8		1	U	1	U	1	U	
11/3/2009	130056GW00290D	90	92	FD	114		4.7		1	U	1	U	1	U	
11/3/2009	130056GW00290X	90	92	FS	87.6		3.4		1	U	1	U	1	U	
DP-03	11/5/2009	130056GW00310X	10	12	FS	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
	11/5/2009	130056GW00315X	15	17	FS	2.1	J	1.8	J	1	UJ	1	UJ	1	UJ
	11/5/2009	130056GW00320X	20	22	FS	1.1		1	U	1	U	1	U	1	U
	11/5/2009	130056GW00325X	25	27	FS	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
	11/5/2009	130056GW00330X	30	32	FS	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
	11/5/2009	130056GW00335X	35	37	FS	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
	11/5/2009	130056GW00340X	40	42	FS	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
	11/5/2009	130056GW00345X	45	47	FS	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
	11/5/2009	130056GW00350X	50	52	FS	1	U	1	U	1	U	1	U	1	U
	11/5/2009	130056GW00355X	55	57	FS	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
	11/5/2009	130056GW00360X	60	62	FS	1	U	1	U	1	U	1	U	1	U
	11/5/2009	130056GW00365X	65	67	FS	1	U	1	U	1	U	1	U	1	U
11/5/2009	130056GW00370X	70	72	FS	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	
DP-04	11/4/2009	130056GW00410X	10	12	FS	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
	11/4/2009	130056GW00415X	15	17	FS	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
	11/4/2009	130056GW00420X	20	22	FS	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
	11/4/2009	130056GW00425X	25	27	FS	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
	11/4/2009	130056GW00430X	30	32	FS	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
	11/4/2009	130056GW00435X	35	37	FS	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
	11/4/2009	130056GW00440X	40	42	FS	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
	11/4/2009	130056GW00445X	45	47	FS	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
	11/4/2009	130056GW00450D	50	52	FD	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
	11/4/2009	130056GW00450X	50	52	FS	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
	11/4/2009	130056GW00455X	55	57	FS	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
	11/4/2009	130056GW00460X	60	62	FS	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
	11/4/2009	130056GW00465X	60	62	FS	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
	11/4/2009	130056GW00470X	65	67	FS	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
	11/4/2009	130056GW00475X	70	72	FS	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
11/4/2009	130056GW00480D	75	77	FD	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	
11/4/2009	130056GW00480X	80	82	FS	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	
11/4/2009	130056GW00485X	85	87	FS	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ	

Table 4.1: Groundwater Profiling Selected VOC Results

Boring Location	Sample Date	Sample ID	Sample Top Depth (ft bgs)	Sample Bottom Depth (ft bgs)	QC Code	Parameter Name		Tetrachloroethene		Trichloroethene		Cis-1,2-DCE		Vinyl Chloride		
						Criteria		5		5		5		2		
						Units		µg/L		µg/L		µg/L		µg/L		
Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier			
DP-05	11/3/2009	130056GW00510X	10	12	FS	1	U			1	U			1	U	
	11/3/2009	130056GW00515X	15	17	FS	1	U			1	U			1	U	
	11/3/2009	130056GW00520X	20	22	FS	1	U			1	U			1	U	
	11/3/2009	130056GW00525X	25	27	FS	1.5				1	U			1	U	
	11/3/2009	130056GW00530X	30	32	FS	315				12.1				1	U	
	11/3/2009	130056GW00535X	35	37	FS	389				9.2				1	U	
	11/3/2009	130056GW00540X	40	42	FS	61.3				1.5				1	U	
	11/3/2009	130056GW00545X	45	47	FS	23.5				1	U			1	U	
	11/4/2009	130056GW00550X	50	52	FS	11.6	J			1	UJ			1	UJ	
	11/4/2009	130056GW00555X	55	57	FS	5	J			1	UJ			1	UJ	
	11/4/2009	130056GW00560X	60	62	FS	3.3	J			1	UJ			1	UJ	
	11/4/2009	130056GW00565X	65	67	FS	2.4	J			1	UJ			1	UJ	
	11/4/2009	130056GW00570X	70	72	FS	2.3	J			1	UJ			1	UJ	
	11/4/2009	130056GW00575X	75	77	FS	3.2	J			1	UJ			1	UJ	
	11/4/2009	130056GW00580X	80	82	FS	2.8	J			1	UJ			1	UJ	
11/4/2009	130056GW00585X	85	87	FS	8.9	J			1	UJ			1	UJ		
11/4/2009	130056GW00590X	90	92	FS	6.9	J			1	UJ			1	UJ		
DP-06	11/6/2009	130056GW00610X	10	12	FS	1	U			1	U			1	U	
	11/6/2009	130056GW00615X	15	17	FS	1	U			1	U			1	U	
	11/6/2009	130056GW00620X	20	22	FS	1	U			1	U			1	U	
	11/6/2009	130056GW00625X	25	27	FS	1	U			1	U			1	U	
	11/6/2009	130056GW00630X	30	32	FS	1	U			1	U			1	U	
	11/6/2009	130056GW00635X	35	37	FS	1	U			1	U			1	U	
	11/6/2009	130056GW00640X	40	42	FS	1	U			1	U			1	U	
	11/6/2009	130056GW00645X	45	47	FS	1	U			1	U			1	U	
	11/6/2009	130056GW00650X	50	52	FS	1	U			1	U			1	U	
	11/6/2009	130056GW00655X	55	57	FS	1	U			1	U			1	U	
	11/6/2009	130056GW00660X	60	62	FS	1	U			1	U			1	U	
	11/6/2009	130056GW00665X	65	67	FS	1	U			1	U			1	U	
	11/6/2009	130056GW00670X	70	72	FS	1	U			1	U			1	U	
DP-07	12/1/2009	130056GW00710X	10	12	FS	1	U			1	U			1	U	
	12/1/2009	130056GW00715X	15	17	FS	1.2				1	U			1	U	
	12/1/2009	130056GW00720X	20	22	FS	1	U			1	U			1	U	
	12/1/2009	130056GW00725X	25	27	FS	1	U			1	U			1	U	
	12/1/2009	130056GW00730X	30	32	FS	1	U			1	U			1	U	
	12/1/2009	130056GW00735X	35	37	FS	1	U			1	U			1	U	
	12/1/2009	130056GW00740X	40	42	FS	1	U			1	U			1	U	
	12/1/2009	130056GW00745X	45	47	FS	1	U			1	U			1	U	
	12/2/2009	130056GW00750X	50	52	FS	1	U			1	U			1	U	
	12/2/2009	130056GW00755D	55	57	FD	1	U			1	U			1	U	
	12/2/2009	130056GW00755X	55	57	FS	1	U			1	U			1	U	
	12/2/2009	130056GW00760X	60	62	FS	1	U			1	U			1	U	
	12/2/2009	130056GW00765X	65	67	FS	1	U			1	U			1	U	
	12/2/2009	130056GW00770X	70	72	FS	1	U			1	U			1	U	
12/2/2009	130056GW00775X	75	75	FS	1	U			1	U			1	U		
DP-08	12/1/2009	130056GW00810X	10	12	FS	7.9				1	U			1	U	
	12/1/2009	130056GW00815X	15	17	FS	5.2				1	U		1.8		1	U
	12/1/2009	130056GW00820X	20	22	FS	7.6				1	U		1.3		1	U
	12/1/2009	130056GW00825X	25	27	FS	1.3				1	U			1	U	
	12/1/2009	130056GW00830X	30	32	FS	1	U			1	U			1	U	
	12/1/2009	130056GW00835X	35	37	FS	3				1.1				1	U	
	12/1/2009	130056GW00840X	40	42	FS	7.3				3				1	U	
	12/1/2009	130056GW00845X	45	47	FS	1	U			1	U			1	U	
	12/1/2009	130056GW00850X	50	52	FS	1	U			1	U			1	U	
	12/1/2009	130056GW00855X	55	57	FS	1	U			1	U			1	U	
	12/1/2009	130056GW00860X	60	62	FS	1	U			1	U			1	U	
	12/1/2009	130056GW00865X	65	67	FS	1	U			1	U			1	U	
	12/1/2009	130056GW00870D	70	72	FD	1	U			1	U			1	U	
	12/1/2009	130056GW00870X	70	72	FS	1	U			1	U			1	U	
	12/1/2009	130056GW00875X	75	77	FS	1	U			1	U			1	U	
	12/1/2009	130056GW00880X	80	82	FS	1	U			1	U			1	U	
12/1/2009	130056GW00885X	85	87	FS	1	U			1	U			1	U		

Table 4.1: Groundwater Profiling Selected VOC Results

Boring Location	Sample Date	Sample ID	Sample Top Depth (ft bgs)	Sample Bottom Depth (ft bgs)	QC Code	Parameter Name		Tetrachloroethene		Trichloroethene		Cis-1,2-DCE		Vinyl Chloride	
						Criteria		5		5		5		2	
						Units		µg/L		µg/L		µg/L		µg/L	
Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier						
DP-09	12/1/2009	130056GW00910X	10	12	FS	1	U	1	U	1	U	1	U		
	12/1/2009	130056GW00915X	15	17	FS	8.3		1	U	1	U	1	U		
	12/1/2009	130056GW00920X	20	22	FS	97.8		14.3		1	U	1	U		
	12/1/2009	130056GW00925X	25	27	FS	198		2.1		1	U	1	U		
	12/1/2009	130056GW00930X	30	32	FS	89.2		1	U	1	U	1	U		
	12/1/2009	130056GW00935D	35	37	FD	44.2		1	U	1	U	1	U		
	12/1/2009	130056GW00935X	35	37	FS	42.9		1	U	1	U	1	U		
	12/1/2009	130056GW00940X	40	42	FS	40.5		1	U	1	U	1	U		
	12/1/2009	130056GW00945X	45	47	FS	6		1	U	1	U	1	U		
	12/1/2009	130056GW00950X	50	52	FS	3.5		1	U	1	U	1	U		
	12/1/2009	130056GW00955X	55	57	FS	1.8		1	U	1	U	1	U		
	12/1/2009	130056GW00960X	60	62	FS	2.7		1	U	1	U	1	U		
	12/1/2009	130056GW00965D	65	67	FD	4.3		1	U	1	U	1	U		
	12/1/2009	130056GW00965X	65	67	FS	4		1	U	1	U	1	U		
12/1/2009	130056GW00970X	70	72	FS	5.7		1	U	1	U	1	U			
12/1/2009	130056GW00975X	75	77	FS	4		1	U	1	U	1	U			
DP-10	12/2/2009	130056GW01010X	10	12	FS	1	U	1	U	1	U	1	U		
	12/2/2009	130056GW01015X	15	17	FS	1.6		1	U	1	U	1	U		
	12/2/2009	130056GW01020X	20	22	FS	667	J	25.7		1	U	1	U		
	12/2/2009	130056GW01025X	25	27	FS	446	J	16		1	U	1	U		
	12/2/2009	130056GW01030X	30	32	FS	17.7		1	U	1	U	1	U		
	12/2/2009	130056GW01035X	35	37	FS	11.9		1	U	1	U	1	U		
	12/2/2009	130056GW01040D	40	42	FD	6.7		1	U	1	U	1	U		
	12/2/2009	130056GW01040X	40	42	FS	5.7		1	U	1	U	1	U		
	12/2/2009	130056GW01045X	45	47	FS	4.2		1	U	1	U	1	U		
	12/2/2009	130056GW01050X	50	52	FS	1.9		1	U	1	U	1	U		
	12/2/2009	130056GW01055X	55	57	FS	1.2		1	U	1	U	1	U		
	12/2/2009	130056GW01060X	60	62	FS	1.2		1	U	1	U	1	U		
	12/2/2009	130056GW01065X	65	67	FS	1	U	1	U	1	U	1	U		
	12/2/2009	130056GW01070X	70	72	FS	1	U	1	U	1	U	1	U		
12/2/2009	130056GW01075X	75	77	FS	1.7		1	U	1	U	1	U			
12/2/2009	130056GW01080X	80	82	FS	1.1		1	U	1	U	1	U			
DP-11	11/30/2009	130056GW01110X	10	12	FS	1	U	1	U	1	U	1	U		
	11/30/2009	130056GW01115X	15	17	FS	99.3		2.8		1	U	1	U		
	11/30/2009	130056GW01120X	20	22	FS	215		8.2		1	U	1	U		
	11/30/2009	130056GW01125X	25	27	FS	32.7		1	U	1	U	1	U		
	11/30/2009	130056GW01130X	30	32	FS	14.8		1	U	1	U	1	U		
	11/30/2009	130056GW01135D	35	37	FD	27.7		1	U	2.8		1	U		
	11/30/2009	130056GW01135X	35	37	FS	26.9		1	U	3		1	U		
	11/30/2009	130056GW01140X	40	42	FS	47.4		4		6.2		1	U		
	11/30/2009	130056GW01145X	45	47	FS	51.7		5.4		7.5		1	U		
	11/30/2009	130056GW01150X	50	52	FS	34		1	U	2.8		1	U		
	11/30/2009	130056GW01155X	55	57	FS	1.6		1	U	1	U	1	U		
	11/30/2009	130056GW01160X	60	62	FS	30.4		1	U	1	U	1	U		
	11/30/2009	130056GW01165X	65	67	FS	52		1.7		1	U	1	U		
	11/30/2009	130056GW01170X	70	72	FS	26		1	U	1	U	1	U		
11/30/2009	130056GW01175X	75	77	FS	11.6		1	U	1	U	1	U			
11/30/2009	130056GW01180X	80	82	FS	7.7		1	U	1	U	1	U			
11/30/2009	130056GW01185X	85	87	FS	10.2		1	U	1	U	1	U			
11/30/2009	130056GW01190X	90	92	FS	11.9		1	U	1	U	1	U			
DP-12	12/3/2009	130056GW01210X	10	12	FS	1	U	1	U	1	U	1	U		
	12/3/2009	130056GW01215X	15	17	FS	1.8		1	U	1.5		1	U		
	12/3/2009	130056GW01220D	20	22	FD	31.5		3.9		1	U	1	U		
	12/3/2009	130056GW01220X	20	22	FS	36.9		3.8		1	U	1	U		
	12/3/2009	130056GW01225X	25	27	FS	30.9		2.3		1	U	1	U		
	12/3/2009	130056GW01230X	30	32	FS	6.3		1	U	1	U	1	U		
	12/3/2009	130056GW01235X	35	37	FS	2.3		1	U	1	U	1	U		
	12/3/2009	130056GW01240X	40	42	FS	1	U	1	U	1	U	1	U		
	12/3/2009	130056GW01245X	45	47	FS	1	U	1	U	1	U	1	U		
	12/4/2009	130056GW01250X	50	52	FS	1	U	1	U	1	U	1	U		
	12/4/2009	130056GW01255X	55	57	FS	1	U	1	U	1	U	1	U		
	12/4/2009	130056GW01260X	60	62	FS	1	U	1	U	1	U	1	U		
	12/4/2009	130056GW01265X	65	67	FS	1	U	1	U	1	U	1	U		
	12/4/2009	130056GW01270X	70	72	FS	1	U	1	U	1	U	1	U		
12/4/2009	130056GW01275X	75	77	FS	1	U	1	U	1	U	1	U			

Table 4.1: Groundwater Profiling Selected VOC Results

Boring Location	Sample Date	Sample ID	Sample Top Depth (ft bgs)	Sample Bottom Depth (ft bgs)	QC Code	Parameter Name		Tetrachloroethene		Trichloroethene		Cis-1,2-DCE		Vinyl Chloride	
						Criteria		5		5		5		2	
						Units		µg/L		µg/L		µg/L		µg/L	
						Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier		
DP-13	12/3/2009	130056GW01310X	10	12	FS	1	U	1	U	1	U	1	U		
	12/3/2009	130056GW01315X	15	17	FS	2.2		1	U	1	U	1	U		
	12/3/2009	130056GW01320X	20	22	FS	1	U	1	U	1	U	1	U		
	12/3/2009	130056GW01325X	25	27	FS	1	U	1	U	1	U	1	U		
	12/3/2009	130056GW01330X	30	32	FS	1	U	1	U	1	U	1	U		
	12/3/2009	130056GW01335X	35	37	FS	1	U	1	U	1	U	1	U		
	12/3/2009	130056GW01340D	40	42	FD	1	U	1	U	1	U	1	U		
	12/3/2009	130056GW01340X	40	42	FS	1	U	1	U	1	U	1	U		
	12/3/2009	130056GW01345X	45	47	FS	1	U	1	U	1	U	1	U		
	12/3/2009	130056GW01350X	50	52	FS	1	U	1	U	1	U	1	U		
	12/3/2009	130056GW01355X	55	57	FS	1	U	1	U	1	U	1	U		
	12/3/2009	130056GW01360X	60	62	FS	1	U	1	U	1	U	1	U		
	12/3/2009	130056GW01365X	65	67	FS	1	U	1	U	1	U	1	U		
12/3/2009	130056GW01370X	70	72	FS	1	U	1	U	1	U	1	U			
12/3/2009	130056GW01375X	75	77	FS	1	U	1	U	1	U	1	U			
DP-14	12/3/2009	130056GW01410X	10	12	FS	1	U	1	U	1	U	1	U		
	12/3/2009	130056GW01415X	15	17	FS	8.9		1.4		1	U	1	U		
	12/3/2009	130056GW01420X	20	22	FS	29.3		1.6		1	U	1	U		
	12/3/2009	130056GW01425X	25	27	FS	22.5		1	U	1	U	1	U		
	12/3/2009	130056GW01430X	30	32	FS	21.9		1	U	1	U	1	U		
	12/3/2009	130056GW01435X	35	37	FS	5.3		1	U	1	U	1	U		
	12/3/2009	130056GW01440X	40	42	FS	1.7		1	U	1	U	1	U		
	12/3/2009	130056GW01445X	45	47	FS	1	J	1	U	1	U	1	U		
	12/3/2009	130056GW01450X	50	52	FS	1	U	1	U	1	U	1	U		
	12/3/2009	130056GW01455X	55	57	FS	1	U	1	U	1	U	1	U		
	12/3/2009	130056GW01460X	60	62	FS	1	U	1	U	1	U	1	U		
	12/3/2009	130056GW01465D	65	67	FD	1	U	1	U	1	U	1	U		
	12/3/2009	130056GW01465X	65	67	FS	1	U	1	U	1	U	1	U		
	12/3/2009	130056GW01470X	70	72	FS	1	U	1	U	1	U	1	U		
	12/3/2009	130056GW01475X	75	77	FS	5	U	5	U	5	U	5	U		
12/3/2009	130056GW01480X	80	82	FS	10	U	10	U	10	U	10	U			
12/3/2009	130056GW01485X	85	87	FS	1	U	1	U	1	U	1	U			
DP-15	11/30/2009	130056GW01510X	10	12	FS	1	U	1	U	1	U	1	U		
	11/30/2009	130056GW01515X	15	17	FS	12.4		1	U	1	U	1	U		
	11/30/2009	130056GW01520X	20	22	FS	171		4.5		1	U	1	U		
	11/30/2009	130056GW01525X	25	27	FS	69.8		1.5		1	U	1	U		
	11/30/2009	130056GW01530X	30	32	FS	124		1.6		1	U	1	U		
	11/30/2009	130056GW01535D	35	37	FD	19.4		1	U	1	U	1	U		
	11/30/2009	130056GW01535X	35	37	FS	19.3		1	U	1	U	1	U		
	11/30/2009	130056GW01540X	40	42	FS	9.2		1	U	1	U	1	U		
	11/30/2009	130056GW01545X	45	47	FS	6.2		1	U	1	U	1	U		
	11/30/2009	130056GW01550X	50	52	FS	6.5		1	U	1	U	1	U		
	11/30/2009	130056GW01555X	55	57	FS	4.5		1	U	1	U	1	U		
	11/30/2009	130056GW01560X	60	62	FS	7.1		1	U	1	U	1	U		
	11/30/2009	130056GW01565D	65	67	FD	5.6		1	U	1	U	1	U		
	11/30/2009	130056GW01565X	65	67	FS	6.3		1	U	1	U	1	U		
12/1/2009	130056GW01570X	70	72	FS	1.2		1	U	1	U	1	U			
12/1/2009	130056GW01575X	75	77	FS	1	U	1	U	1	U	1	U			
DP-16	12/2/2009	130056GW01610X	10	12	FS	1	U	1	U	1	U	1	U		
	12/2/2009	130056GW01615X	15	17	FS	1	U	1	U	1	U	1	U		
	12/2/2009	130056GW01620X	20	22	FS	2.6		1	U	1	U	1	U		
	12/2/2009	130056GW01625X	25	27	FS	1	U	1	U	1	U	1	U		
	12/2/2009	130056GW01630X	30	32	FS	1	U	1	U	1	U	1	U		
	12/2/2009	130056GW01635X	35	37	FS	1	U	1	U	1	U	1	U		
	12/2/2009	130056GW01640X	40	42	FS	1	U	1	U	1	U	1	U		
	12/2/2009	130056GW01645X	45	47	FS	1	U	1	U	1	U	1	U		
	12/2/2009	130056GW01650X	50	52	FS	1	U	1	U	1	U	1	U		
	12/2/2009	130056GW01655X	55	57	FS	1	U	1	U	1	U	1	U		
	12/2/2009	130056GW01660X	60	62	FS	1	U	1	U	1	U	1	U		
	12/2/2009	130056GW01665X	65	67	FS	1	U	1	U	1	U	1	U		
	12/2/2009	130056GW01670X	70	72	FS	1	U	1	U	1	U	1	U		
	12/2/2009	130056GW01675X	75	77	FS	1	U	1	U	1	U	1	U		
12/2/2009	130056GW01680X	80	82	FS	1	U	1	U	1	U	1	U			

Table 4.1: Groundwater Profiling Selected VOC Results

Boring Location	Sample Date	Sample ID	Sample Top Depth (ft bgs)	Sample Bottom Depth (ft bgs)	QC Code	Parameter Name		Tetrachloroethene		Trichloroethene		Cis-1,2-DCE		Vinyl Chloride	
						Criteria		5		5		5		2	
						Units		µg/L		µg/L		µg/L		µg/L	
						Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
DP-17	12/4/2009	130056GW01710X	10	12	FS	2.6		1	U	1	U	1	U	1	U
	12/4/2009	130056GW01715X	15	17	FS	26.6		1	U	1	U	1	U	1	U
	12/4/2009	130056GW01720D	20	22	FD	16.9		1	U	1	U	1	U	1	U
	12/4/2009	130056GW01720X	20	22	FS	15.2		1	U	1	U	1	U	1	U
	12/4/2009	130056GW01725X	25	27	FS	21.5		1	U	1	U	1	U	1	U
	12/4/2009	130056GW01730X	30	32	FS	3		1	U	1	U	1	U	1	U
	12/4/2009	130056GW01735X	35	37	FS	1.8	J	1	U	1	U	1	U	1	U
	12/4/2009	130056GW01740X	40	42	FS	1	UJ	1	U	1	U	1	U	1	U
	12/4/2009	130056GW01745X	45	47	FS	1	UJ	1	U	1	U	1	U	1	U
	12/4/2009	130056GW01750X	50	52	FS	1	UJ	1	U	1	U	1	U	1	U
	12/4/2009	130056GW01755X	55	57	FS	1	UJ	1	U	1	U	1	U	1	U
	12/4/2009	130056GW01760X	60	62	FS	1	UJ	1	U	1	U	1	U	1	U
12/4/2009	130056GW01765X	65	67	FS	1	UJ	1	U	1	U	1	U	1	U	
12/4/2009	130056GW01770X	70	72	FS	1	UJ	1	U	1	U	1	U	1	U	
12/4/2009	130056GW01775X	75	77	FS	1	U	1	U	1	U	1	U	1	U	
DP-18	12/15/2010	130056GW01812X	10	12	FS	1	U	1	U	1	U	1	U	1	U
	12/15/2010	130056GW01817X	15	17	FS	11.6		1	U	1	U	1	U	1	U
	12/15/2010	130056GW01822X	20	22	FS	2.8	J	1	U	1	U	1	U	1	U
	12/15/2010	130056GW01827X	25	27	FS	1	U	1	U	1	U	1	U	1	U
	12/15/2010	130056GW01832X	30	32	FS	1	U	1	U	1	U	1	U	1	U
	12/15/2010	130056GW01837X	35	37	FS	1.5		1	U	1	U	1	U	1	U
	12/15/2010	130056GW01842X	40	42	FS	1	U	1	U	1	U	1	U	1	U
	12/15/2010	130056GW01847X	45	47	FS	1	U	1	U	1	U	1	U	1	U
12/15/2010	130056GW01852X	50	52	FS	1	U	1	U	1	U	1	U	1	U	
DP-19	12/15/2010	130056GW01912X	10	12	FS	1	U	1	U	1	U	1	U	1	U
	12/15/2010	130056GW01917X	15	17	FS	1	U	1	U	1	U	1	U	1	U
	12/15/2010	130056GW01922X	20	22	FS	1.6		1	U	1	U	1	U	1	U
	12/15/2010	130056GW01927X	25	27	FS	1	U	1	U	1	U	1	U	1	U
	12/15/2010	130056GW01932X	30	32	FS	1	U	1	U	1	U	1	U	1	U
	12/15/2010	130056GW01937X	35	37	FS	1	U	1	U	1	U	1	U	1	U
	12/15/2010	130056GW01942X	40	42	FS	1	U	1	U	1	U	1	U	1	U
	12/15/2010	130056GW01947X	45	47	FS	1	U	1	U	1	U	1	U	1	U
12/15/2010	130056GW01952X	50	52	FS	1	U	1	U	1	U	1	U	1	U	
DP-20	12/15/2010	130056GW02007X	5	7	FS	1	U	1	U	1	U	1	U	1	U
	12/15/2010	130056GW02017D	15	17	FD	1	U	1	U	1	U	1	U	1	U
	12/15/2010	130056GW02017X	15	17	FS	1	UJ	1	UJ	1	UJ	1	UJ	1	UJ
	12/15/2010	130056GW02022D	20	22	FD	1	UJ	1	U	1	U	1	U	1	U
	12/15/2010	130056GW02022X	20	22	FS	1	UJ	1	U	1	U	1	U	1	U
	12/15/2010	130056GW02027X	25	27	FS	1	UJ	1	U	1	U	1	U	1	U
	12/15/2010	130056GW02032X	30	32	FS	1	UJ	1	U	1	U	1	U	1	U
	12/15/2010	130056GW02037X	35	37	FS	1	UJ	1	U	1	U	1	U	1	U
	12/15/2010	130056GW02042X	40	42	FS	1	UJ	1	U	1	U	1	U	1	U
12/15/2010	130056GW02047X	45	47	FS	1	UJ	1	U	1	U	1	U	1	U	
12/15/2010	130056GW02052X	50	52	FS	1	UJ	1	U	1	U	1	U	1	U	
DP-21	12/13/2010	130056GW02107X	5	7	FS	1	U	1	U	1	U	1	U	1	U
	12/13/2010	130056GW02112X	10	12	FS	1	U	1	U	1	U	1	U	1	U
	12/13/2010	130056GW02117X	15	17	FS	1	U	1	U	1	U	1	U	1	U
	12/13/2010	130056GW02122X	20	22	FS	1	U	1	U	1	U	1	U	1	U
	12/13/2010	130056GW02127X	25	27	FS	1	U	1	U	1	U	1	U	1	U
	12/13/2010	130056GW02132X	30	32	FS	1	U	1	U	1	U	1	U	1	U
	12/13/2010	130056GW02137X	35	37	FS	1	U	1	U	1	U	1	U	1	U
	12/13/2010	130056GW02142X	40	42	FS	1	U	1	U	1	U	1	U	1	U
12/13/2010	130056GW02147X	45	47	FS	1	U	1	U	1	U	1	U	1	U	
12/13/2010	130056GW02152X	50	52	FS	1	U	1	U	1	U	1	U	1	U	

Table 4.1: Groundwater Profiling Selected VOC Results

Boring Location	Sample Date	Sample ID	Sample Top Depth (ft bgs)	Sample Bottom Depth (ft bgs)	QC Code	Parameter Name		Tetrachloroethene		Trichloroethene		Cis-1,2-DCE		Vinyl Chloride	
						Criteria		5		5		5		2	
						Units		µg/L		µg/L		µg/L		µg/L	
						Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
DP-22	12/13/2010	130056GW02207X	5	7	FS	5	U	5	U	5	U	5	U	5	U
	12/13/2010	130056GW02212X	10	12	FS	1.1		1	U	1	U	1	U	1	U
	12/13/2010	130056GW02217X	15	17	FS	1	U	1	U	1	U	1	U	1	U
	12/13/2010	130056GW02222X	20	22	FS	1	U	1	U	1	U	1	U	1	UJ
	12/13/2010	130056GW02227X	25	27	FS	1	U	1	U	1	U	1	U	1	U
	12/13/2010	130056GW02232X	30	32	FS	1	U	1	U	1	U	1	U	1	U
	12/13/2010	130056GW02237X	35	37	FS	1	U	1	U	1	U	1	U	1	U
	12/13/2010	130056GW02242X	40	42	FS	1	U	1	U	1	U	1	U	1	U
	12/13/2010	130056GW02247X	45	47	FS	1	U	1	U	1	U	1	U	1	U
12/13/2010	130056GW02252X	50	52	FS	1	U	1	U	1	U	1	U	1	U	
DP-23	12/15/2010	130056GW02312X	10	12	FS	1	UJ	1	U	1	U	1	U	1	U
	12/15/2010	130056GW02317X	15	17	FS	1	UJ	1	U	1	U	1	U	1	U
	12/15/2010	130056GW02322X	20	22	FS	1	UJ	1	U	1	U	1	U	1	U
	12/15/2010	130056GW02327X	25	27	FS	1	U	1	U	1	U	1	U	1	U
	12/15/2010	130056GW02332X	30	32	FS	1	U	1	U	1	U	1	U	1	U
	12/15/2010	130056GW02337X	35	37	FS	1	U	1	U	1	U	1	U	1	U
	12/15/2010	130056GW02342X	40	42	FS	1	U	1	U	1	U	1	U	1	U
	12/15/2010	130056GW02347X	45	47	FS	1	U	1	U	1	U	1	U	1	U
	12/15/2010	130056GW02352X	50	52	FS	1	U	1	U	1	U	1	U	1	U
DP-24	12/14/2010	130056GW02412D	10	12	FD	1	U	1	U	1	U	1	U	1	U
	12/14/2010	130056GW02412X	10	12	FS	1	U	1	U	1	U	1	U	1	U
	12/14/2010	130056GW02417X	15	17	FS	1	U	1	U	1	U	1	U	1	U
	12/14/2010	130056GW02422D	20	22	FD	1	U	1	U	1	U	1	U	1	U
	12/14/2010	130056GW02422X	20	22	FS	1	U	1	U	1	U	1	U	1	U
	12/14/2010	130056GW02427X	25	27	FS	1	U	1	U	1	U	1	U	1	U
	12/14/2010	130056GW02432X	30	32	FS	1	U	1	U	1	U	1	U	1	U
	12/14/2010	130056GW02437X	35	37	FS	1	U	1	U	1	U	1	U	1	U
	12/14/2010	130056GW02442X	40	42	FS	1	U	1	U	1	U	1	U	1	U
12/14/2010	130056GW02447X	45	47	FS	1	U	1	U	1	U	1	U	1	U	
12/14/2010	130056GW02452X	50	52	FS	1	U	1	U	1	U	1	U	1	U	
DP-25	12/14/2010	130056GW02512X	10	12	FS	1	U	1	U	1	U	1	U	1	U
	12/14/2010	130056GW02517X	15	17	FS	1	U	1	U	1	U	1	U	1	U
	12/14/2010	130056GW02522X	20	22	FS	1	U	1	U	1	U	1	U	1	U
	12/14/2010	130056GW02527X	25	27	FS	1	U	1	U	1	U	1	U	1	U
	12/14/2010	130056GW02532X	30	32	FS	1	U	1	U	1	U	1	U	1	U
	12/14/2010	130056GW02537X	35	37	FS	1	U	1	U	1	U	1	U	1	U
	12/14/2010	130056GW02542X	40	42	FS	1	U	1	U	1	U	1	U	1	U
	12/14/2010	130056GW02547X	45	47	FS	1	U	1	U	1	U	1	U	1	U
	12/14/2010	130056GW02552X	50	52	FS	1	U	1	U	1	U	1	U	1	U
DP-26	12/16/2010	130056GW02612X	10	12	FS	1	U	1	U	1	U	1	U	1	U
	12/16/2010	130056GW02617X	15	17	FS	1	U	1	U	1	U	1	U	1	U
	12/16/2010	130056GW02622X	20	22	FS	1	U	1	U	1	U	1	U	1	U
	12/16/2010	130056GW02627X	25	27	FS	1	U	1	U	1	U	1	U	1	U
	12/16/2010	130056GW02632X	30	32	FS	1	U	1	U	1	U	1	U	1	U
	12/16/2010	130056GW02637X	35	37	FS	1	U	1	U	1	U	1	U	1	U
	12/16/2010	130056GW02642X	40	42	FS	1	U	1	U	1	U	1	U	1	U
	12/16/2010	130056GW02647X	45	47	FS	1	U	1	U	1	U	1	U	1	U
	12/16/2010	130056GW02652X	50	52	FS	1	U	1	U	1	U	1	U	1	U
DP-28	12/14/2010	130056GW02812D	10	12	FD	1	U	1	U	1	U	1	U	1	U
	12/14/2010	130056GW02812X	10	12	FS	1	U	1	U	1	U	1	U	1	U
	12/14/2010	130056GW02817X	15	17	FS	1	U	1	U	1	U	1	U	1	U
	12/14/2010	130056GW02822X	20	22	FS	1	U	1	U	1	U	1	U	1	U
	12/14/2010	130056GW02827X	25	27	FS	1	U	1	U	1	U	1	U	1	U
	12/14/2010	130056GW02832X	30	32	FS	1	U	1	U	1	U	1	U	1	U
	12/14/2010	130056GW02837X	35	37	FS	1	U	1	U	1	U	1	U	1	U
	12/14/2010	130056GW02842X	40	42	FS	1	U	1	U	1	U	1	U	1	U
	12/14/2010	130056GW02847X	45	47	FS	1	U	1	U	1	U	1	U	1	U
12/14/2010	130056GW02852X	50	52	FS	1	U	1	U	1	U	1	U	1	U	

Table 4.1: Groundwater Profiling Selected VOC Results

Boring Location	Sample Date	Sample ID	Sample Top Depth (ft bgs)	Sample Bottom Depth (ft bgs)	QC Code	Parameter Name		Tetrachloroethene		Trichloroethene		Cis-1,2-DCE		Vinyl Chloride	
						Criteria		5		5		5		2	
						Units		µg/L		µg/L		µg/L		µg/L	
						Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier		
DP-29	12/14/2010	130056GW02912X	10	12	FS	1	U	1	U	1	U	1	U		
	12/14/2010	130056GW02917X	15	17	FS	1	U	1	U	1	U	1	U		
	12/14/2010	130056GW02922X	20	22	FS	1	U	1	U	1	U	1	U		
	12/14/2010	130056GW02927X	25	27	FS	1	U	1	U	1	U	1	U		
	12/14/2010	130056GW02932X	30	32	FS	1	U	1	U	1	U	1	U		
	12/14/2010	130056GW02937X	35	37	FS	1	U	1	U	1	U	1	U		
	12/14/2010	130056GW02942X	40	42	FS	1	U	1	U	1	U	1	U		
	12/14/2010	130056GW02947X	45	47	FS	1	U	1	U	1	U	1	U		
DP-30	12/16/2010	130056GW03012X	10	12	FS	1	U	1	U	1	U	1	U		
	12/16/2010	130056GW03017X	15	17	FS	1	U	1	U	1	U	1	U		
	12/16/2010	130056GW03022X	20	22	FS	1	U	1	U	1	U	1	U		
	12/16/2010	130056GW03027X	25	27	FS	1	U	1	U	1	U	1	U		
	12/16/2010	130056GW03032X	30	32	FS	1	U	1	U	1	U	1	U		
	12/16/2010	130056GW03037X	35	37	FS	1	U	1	U	1	U	1	U		
	12/16/2010	130056GW03042X	40	42	FS	1	U	1	U	1	U	1	U		
	12/16/2010	130056GW03047X	45	47	FS	1	U	1	U	1	U	1	U		
DP-31	12/16/2010	130056GW03112X	10	12	FS	1	U	1	U	1	U	1	U		
	12/16/2010	130056GW03117X	15	17	FS	1	U	1	U	1	U	1	U		
	12/16/2010	130056GW03122X	20	22	FS	1	U	1	U	1	U	1	U		
	12/16/2010	130056GW03127X	25	27	FS	1	U	1	U	1	U	1	U		
	12/16/2010	130056GW03132X	30	32	FS	1	U	1	U	1	U	1	U		
	12/16/2010	130056GW03137X	35	37	FS	1	U	1	U	1	U	1	U		
	12/16/2010	130056GW03142X	40	42	FS	1	U	1	U	1	U	1	U		
	12/16/2010	130056GW03147X	45	47	FS	1	U	1	U	1	U	1	U		
	12/16/2010	130056GW03152X	50	52	FS	1	U	1	U	1	U	1	U		

Notes:
 VOC = volatile organic compounds
 Results reported in micrograms per liter (µg/L)
 DCE = dichloroethene
 Only detected compounds shown.
 Samples analyzed for VOCs by EPA Method 8260
 ft bgs = feet below ground surface
 QC Code:
 FS = Field Sample
 FD = Field Duplicate
 Qualifiers:
 U = Not detected at a concentration greater than the reporting limit
 Criteria = Class GA Groundwater guidance or standard values from Technical and Operational Guidance Series (TOGS) 1.1.1, "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (NYSDEC, 1998).
Bold = Detected in sample below criteria value
Highlighted results exceed criteria

Table 4.2: Groundwater Profiling SVOC Results

		DP-2		DP-2	
		11/3/2009		11/3/2009	
		50		70	
		FS		FS	
Location	Sample Date				
Sample Depth (ft bgs)	QC Code				
Parameter Name	Criteria*	Result	Qualifier	Result	Qualifier
2-Methylnaphthalene	NA	72.9		43	
Acenaphthene	20	61.6		58.3	
Acenaphthylene	NA	21.4		18.9	
Anthracene	50	11.2		19.4	
Benzo(a)anthracene	0.002	5.6	U	7.8	
Biphenyl	5	20.1		14.4	
Bis(2-Ethylhexyl)phthalate	5	2.9	U	11.3	
Carbazole	NA	10.9		17.7	
Chrysene	0.002	5.6	U	6.6	
Dibenzofuran	NA	9.1		10.1	
Fluoranthene	50	7.5		19.7	
Fluorene	50	30.6		38.8	
Naphthalene	10	52.1		34.4	
Phenanthrene	50	48.9		80.2	
Pyrene	50	9.1		26.8	

Notes:

SVOC = semivolatile organic compounds

Results reported in micrograms per liter (µg/L)

Only detected compounds shown.

Samples analyzed for SVOCs by EPA Method SW8270C

ft bgs = feet below ground surface

QC Code:

FS = Field Sample

Qualifiers:

U = Not detected at a concentration greater than the reporting limit

Criteria = Groundwater guidance or standard values from

Technical and Operational Guidance Series (TOGS) 1.1.1,

"Ambient Water Quality Standards and Guidance Values

and Groundwater Effluent Limitations" (NYSDEC, 1998).

Bold = Detected in sample below criteria value

Highlighted results exceed criteria

* = Class GA Groundwater Standard, Part 703; otherwise, guidance value

NA = not applicable

Table 4.3: Groundwater Monitoring Well VOC Results

Location	MW-4 (MM)		MW-4 (MM)		MW-4 (MM)		MW-4 (MM)		MW-5 (MM)		MW-5 (MM)		MW-5 (MM)		MW-5 (MM)		
	Sample Date	Sample ID	Sample Depth (ft bgs)	QC Code	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	
	10/27/2009	130056MW4MM01501XX	15	FS													
	1/13/2010	130056MW4MM01502XX	15	FS													
	5/18/2010	130056MW4MM01503XX	15	FS													
	2/2/2011	130056MW4MM01504XX	15	FS													
	10/27/2009	130056MW5MM01601XX	16	FS													
	1/13/2010	130056MW5MM01602XX	16	FS													
	5/18/2010	130056MW5MM01603XX	16	FS													
	2/2/2011	130056MW5MM01604XX	16	FS													
Parameter Name	Criteria	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1-Dichloroethene	5	1.8		1 U		1 U		4.4		1 U		1 U		1 U		1 U	
1,4-Dichlorobenzene	3	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Acetone	50*	5 UJ		5 U		5 U		5 UJ		5 U		5 U		5 UJ		5 UJ	
Benzene	1	0.5 U		0.5 U		1 U		0.5 U		0.5 U		0.5 U		1 U		0.5 U	
Chlorobenzene	5	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Chloroethane	5	2 U		2 U		1.1		2 U		2 U		2 U		1 U		2 U	
Chloroform	7	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Cis-1,2-Dichloroethene	5	2050		526		12		11100		1 U		1 U		1 U		1 U	
Cyclohexane	NA	13.8		5 U		9.1		48.3		5 U		5 U		1 U		5 U	
Ethyl benzene	5	34.6		34.1		21		96.9		1 U		1 U		1 U		1 U	
Isopropylbenzene	5	15.1 UJ		5 U		6.6		49.4 J		5 UJ		5 U		1 U		5 U	
Methyl cyclohexane	NA	27.8 UJ		5 U		6.7		50.8		5 UJ		5 U		1 U		5 U	
Methyl Tertbutyl Ether	10	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Naphthalene	10*	NR		NR		4.9		NR		NR		NR		1 U		NR	
Tetrachloroethene	5	1 U		1 U		1 U		2.2		1 U		1 U		1 U		1 U	
Toluene	5	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
trans-1,2-Dichloroethene	5	15.9		6		1 U		182		1 U		1 U		1 U		1 U	
Trichloroethene	5	2.4		1.2		1 U		4.1		1 U		1 U		1 U		1 U	
Vinyl chloride	2	22.9		2.1		1 U		4		1 U		1 U		1 U		1 U	
Xylenes, Total	5	31.1		36		18		46.1		1 U		1 U		2 U		1 U	

Notes:

VOC = volatile organic compounds
 Results reported in micrograms per liter (µg/L)
 Only detected compounds shown.
 Samples analyzed for VOCs by EPA Method 8260
 ft bgs = feet below ground surface

QC Code:

FS = Field Sample
 FD = Field Duplicate

Qualifiers:

U = Not detected greater than the RL

Criteria = Class GA Groundwater guidance or standard values from Technical and Operational Guidance Series (TOGS) 1.1.1, "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (NYSDEC, 1998).

Bold = Detected in sample below criteria value

Highlighted results exceed criteria

* = Guidance Value

NA = not applicable
 RL = reporting limit
 NR = not reported
 RR = Range Rover
 MM = Minute Man Dry Cleaners

Table 4.3: Groundwater Monitoring Well VOC Results

Location		MW-1 (RR)		MW-1 (RR)		MW-1 (RR)		MW-1 (RR)		MW-1 (RR)		MW-1 (RR)	
Sample Date		10/27/2009		1/11/2010		5/18/2010		5/18/2010		2/1/2011		2/1/2011	
Sample ID		130056MW1RR01901XX		130056MW1RR01902XX		130056MW1RR01903XD		130056MW1RR01903XX		130056MW1RR01904XD		130056MW1RR01904XX	
Sample Depth (ft bgs)		19		19		19		19		19		19	
Qc Code		FS		FS		FD		FS		FD		FS	
Parameter Name	Criteria	Result	Qualifier										
1,1-Dichloroethene	5	1	U	1	U	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	1	U	1	U	1	U	1	U	1	U	1	U
Acetone	50*	5	UJ	5	U	5	U	5	UJ	5	UJ	5	U
Benzene	1	0.5	U	0.5	U	1	U	1	U	0.5	U	0.5	U
Chlorobenzene	5	1	U	1	U	1	U	1	U	1	U	1	U
Chloroethane	5	2	U	2	U	1	U	1	U	2	U	2	U
Chloroform	7	1.2		1	U	1	U	1	U	1	U	1	U
Cis-1,2-Dichloroethene	5	21.1		137		1	U	1	U	138		147	
Cyclohexane	NA	5	U	5	U	1	U	1	U	5	U	5	U
Ethyl benzene	5	1	U	1	U	1	U	1	U	1	U	1	U
Isopropylbenzene	5	5	UJ	5	U	1	U	1	U	5	U	5	U
Methyl cyclohexane	NA	5	UJ	5	U	1	U	1	U	5	U	5	U
Methyl Tertbutyl Ether	10	1	U	1	U	1	U	1	U	1	U	1	U
Naphthalene	10*	NR		NR		1	U	1	U	NR		NR	
Tetrachloroethene	5	387		921		77		81		281		300	
Toluene	5	1	U	1	U	1	U	1	U	1	U	1	U
trans-1,2-Dichloroethene	5	1	U	1.3		1	U	1	U	4.5	J	1	UJ
Trichloroethene	5	53.7		237		2.2		2.5		108		124	
Vinyl chloride	2	1	U	1	U	1	U	1	U	1	U	1	U
Xylenes, Total	5	1	U	1	U	2	U	2	U	1	U	1	U

Notes:

VOC = volatile organic compounds

Results reported in micrograms per liter (µg/L).

Only detected compounds shown.

Samples analyzed for VOCs by EPA Method 8260

ft bgs = feet below ground surface

QC Code:

FS = Field Sample

FD = Field Duplicate

Qualifiers:

U = Not detected greater than the RL

Criteria = Class GA Groundwater guidance or standard values from Technical and

Operational Guidance Series (TOGS) 1.1.1,

"Ambient Water Quality Standards and

Guidance Values and Groundwater Effluent

Limitations" (NYSDEC, 1998).

Bold = Detected in sample below criteria value

Highlighted results exceed criteria

* = Guidance Value

NA = not applicable

RL = reporting limit

NR = not reported

RR = Range Rover

MM = Minute Man Dry Cleaners

Table 4.3: Groundwater Monitoring Well VOC Results

Location		MW-2 (RR)		MW-2 (RR)		MW-2 (RR)		MW-2		MW-2		MW-2	
Sample Date		10/27/2009		1/11/2010		1/31/2011		10/27/2009		1/13/2010		1/31/2011	
Sample ID		130056MW2RR01901XX		130056MW2RR01702XX		130056MW2RR01704XX		130056MW00201401XX		130056MW00201402XX		130056MW00201404XX	
Sample Depth (ft bgs)		19		17		17		14		14		14	
Qc Code		FS		FS		FS		FS		FS		FS	
Parameter Name	Criteria	Result	Qualifier										
1,1-Dichloroethene	5	1	U	1	U	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	1	U	1	U	1	U	1	U	1	U	1	U
Acetone	50*	5	UJ	5	U	5	U	5	UJ	5	U	5	U
Benzene	1	0.5	U										
Chlorobenzene	5	1	U	1	U	1	U	1	U	1	U	1	U
Chloroethane	5	2	U	2	U	2	U	2	U	2	U	2	U
Chloroform	7	3		1.3		3.5		2.9		2.5		1	U
Cis-1,2-Dichloroethene	5	1	U	1	U	1	U	3.3		7.3		1	U
Cyclohexane	NA	5	U	5	U	5	U	5	U	5	U	5	U
Ethyl benzene	5	1	U	1	U	1	U	1	U	1	U	1	U
Isopropylbenzene	5	5	UJ	5	U	5	U	5	UJ	5	U	5	U
Methyl cyclohexane	NA	5	UJ	5	U	5	U	5	UJ	5	U	5	U
Methyl Tertbutyl Ether	10	1	U	1	U	1	U	1	U	1	U	1	U
Naphthalene	10*	NR											
Tetrachloroethene	5	3.6		2.4		4.8		1.8		1.4		3.6	
Toluene	5	1	U	1	U	1	U	1	U	1	U	1	U
trans-1,2-Dichloroethene	5	1	U	1	U	1	U	1	U	1	U	1	U
Trichloroethene	5	1	U	1	U	1	U	1.9		1	U	1	U
Vinyl chloride	2	1	U	1	U	1	U	1	U	1	U	1	U
Xylenes, Total	5	1	U	1	U	1	U	1	U	1	U	1	U

Notes:

VOC = volatile organic compounds

Results reported in micrograms per liter (µg/L).

Only detected compounds shown.

Samples analyzed for VOCs by EPA Method 8260

ft bgs = feet below ground surface

QC Code:

FS = Field Sample

FD = Field Duplicate

Qualifiers:

U = Not detected greater than the RL

Criteria = Class GA Groundwater guidance or standard values from Technical and

Operational Guidance Series (TOGS) 1.1.1,

"Ambient Water Quality Standards and

Guidance Values and Groundwater Effluent

Limitations" (NYSDEC, 1998).

Bold = Detected in sample below criteria value

Highlighted results exceed criteria

* = Guidance Value

NA = not applicable

RL = reporting limit

NR = not reported

RR = Range Rover

MM = Minute Man Dry Cleaners

Table 4.3: Groundwater Monitoring Well VOC Results

Parameter Name	Criteria	MW-3		MW-3		MW-3		MW-3		MW-3A		MW-3A			
		10/28/2009		10/28/2009		1/13/2010		1/31/2011		1/14/2010		5/20/2010		2/2/2011	
		130056MW00301501XD		130056MW00301501XX		130056MW00301502XX		130056MW00301504XX		130056MW03A08602XX		130056MW03A08603XX		130056MW03A08404XX	
		15		15		15		15		86		86		84	
Qc Code		FD		FS											
Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier		
1,1-Dichloroethene	5	1 U		1 U		1 U		1 U		1 U		1 U			
1,4-Dichlorobenzene	3	1 U		1 U		1 U		1 U		1 U		1 U			
Acetone	50*	5 UJ		5 UJ		5 UJ		5 U		5 U		5 UJ			
Benzene	1	0.5 U		1 U											
Chlorobenzene	5	1 U		1 U		1 U		1 U		1 U		1 U			
Chloroethane	5	2 U		2 U		2 U		2 U		2 U		1 U			
Chloroform	7	9		9		6.9		11.7		1 U		1 U			
Cis-1,2-Dichloroethene	5	1 U		1 U		1 U		1 U		1.3		1 U			
Cyclohexane	NA	5 U		5 U		5 U		5 U		5 U		1 U			
Ethyl benzene	5	1 U		1 U		1 U		1 U		1 U		1 U			
Isopropylbenzene	5	5 UJ		5 UJ		5 U		5 U		5 U		1 U			
Methyl cyclohexane	NA	5 UJ		5 UJ		5 U		5 U		5 U		1 U			
Methyl Tertbutyl Ether	10	1 U		1 U		1 U		1 U		1 U		1 U			
Naphthalene	10*	NR		1 U											
Tetrachloroethene	5	1 U		1 U		1 U		3.2		146		120 D			
Toluene	5	1 U		1 U		1 U		1 U		1 U		1 U			
trans-1,2-Dichloroethene	5	1 U		1 U		1 U		1 U		1 U		1 U			
Trichloroethene	5	1 U		1 U		1 U		1 U		6.1		1.5			
Vinyl chloride	2	1 U		1 U		1 U		1 U		1 U		1 U			
Xylenes, Total	5	1 U		1 U		1 U		1 U		1 U		2 U			

Notes:

VOC = volatile organic compounds
 Results reported in micrograms per liter (µg/L)
 Only detected compounds shown.
 Samples analyzed for VOCs by EPA Method 8260
 ft bgs = feet below ground surface

QC Code:

FS = Field Sample
 FD = Field Duplicate

Qualifiers:

U = Not detected greater than the RL
 Criteria = Class GA Groundwater guidance or standard values from Technical and Operational Guidance Series (TOGS) 1.1.1, "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (NYSDEC, 1998).

Bold = Detected in sample below criteria value

Highlighted results exceed criteria

* = Guidance Value

NA = not applicable
 RL = reporting limit
 NR = not reported
 RR = Range Rover
 MM = Minute Man Dry Cleaners

Table 4.3: Groundwater Monitoring Well VOC Results

Parameter Name	Criteria	MW-3B		MW-3B		MW-3B		MW-3B		MW-3C		MW-3C		MW-3C	
		1/14/2010		1/14/2010		5/20/2010		2/2/2011		1/14/2010		5/20/2010		2/2/2011	
		130056MW03B05302XD		130056MW03B05302XX		130056MW03B05303XX		130056MW03B06204XX		130056MW03C05002XX		130056MW03C05003XX		130056MW03C04804XX	
		53		53		53		62		50		50		48	
Qc Code		FD		FS											
Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1-Dichloroethene	5	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
1,4-Dichlorobenzene	3	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Acetone	50*	5 U		5 U		5 U		5 UJ		5 U		5 U		5 UJ	
Benzene	1	0.5 U		0.5 U		1 U		0.5 U		0.5 U		1 U		0.5 U	
Chlorobenzene	5	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Chloroethane	5	2 U		2 U		1 U		2 U		2 U		1 U		2 U	
Chloroform	7	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Cis-1,2-Dichloroethene	5	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Cyclohexane	NA	5 U		5 U		1 U		5 U		5 U		1 U		5 U	
Ethyl benzene	5	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Isopropylbenzene	5	5 U		5 U		1 U		5 U		5 U		1 U		5 U	
Methyl cyclohexane	NA	5 U		5 U		1 U		5 U		5 U		1 U		5 U	
Methyl Tertbutyl Ether	10	1 U		1 U		1 U		1 U		1 U		0.89 J		1 U	
Naphthalene	10*	NR		NR		1 U		NR		NR		1 U		NR	
Tetrachloroethene	5	43.8		48.2		20		11.1		1 U		1 U		1 U	
Toluene	5	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
trans-1,2-Dichloroethene	5	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Trichloroethene	5	1.2		1.2		0.99 J		1 U		1 U		1 U		1 U	
Vinyl chloride	2	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Xylenes, Total	5	1 U		1 U		2 U		1 U		1 U		2 U		1 U	

Notes:

VOC = volatile organic compounds
 Results reported in micrograms per liter (µg/L)
 Only detected compounds shown.
 Samples analyzed for VOCs by EPA Method 8260
 ft bgs = feet below ground surface

QC Code:

FS = Field Sample
 FD = Field Duplicate

Qualifiers:

U = Not detected greater than the RL
 Criteria = Class GA Groundwater guidance or standard values from Technical and Operational Guidance Series (TOGS) 1.1.1, "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (NYSDEC, 1998).

Bold = Detected in sample below criteria value

Highlighted results exceed criteria

* = Guidance Value

NA = not applicable
 RL = reporting limit
 NR = not reported
 RR = Range Rover
 MM = Minute Man Dry Cleaners

Table 4.3: Groundwater Monitoring Well VOC Results

Location		MW-3D		MW-3D		MW-3D		MW-4		MW-4		MW-4	
Sample Date		1/14/2010		5/20/2010		2/2/2011		10/27/2009		1/12/2010		2/1/2011	
Sample ID		130056MW03D06202XX		130056MW03D06203XX		130056MW03D06704XX		130056MW00401601XX		130056MW00401602XX		130056MW00401804XX	
Sample Depth (ft bgs)		62		62		67		16		16		18	
Qc Code		FS		FS		FS		FS		FS		FS	
Parameter Name	Criteria	Result	Qualifier										
1,1-Dichloroethene	5	1	U	1	U	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	1	U	1	U	1	U	1	U	1	U	1	U
Acetone	50*	5	U	3.3	J	5	UJ	5	UJ	5	U	5	U
Benzene	1	0.5	U	1	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	5	1	U	1	U	1	U	1	U	1	U	1	U
Chloroethane	5	2	U	1	U	2	U	2	U	2	U	2	U
Chloroform	7	1	U	1	U	1	U	2.3		1	U	1	U
Cis-1,2-Dichloroethene	5	1	U	1	U	1	U	1	U	1	U	1	U
Cyclohexane	NA	5	U	1	U	5	U	5	U	5	U	5	U
Ethyl benzene	5	1	U	1	U	1	U	1	U	1	U	1	U
Isopropylbenzene	5	5	U	1	U	5	U	5	UJ	5	U	5	U
Methyl cyclohexane	NA	5	U	1	U	5	U	5	UJ	5	U	5	U
Methyl Tertbutyl Ether	10	1	U	1	U	1	U	1	U	1	U	1	U
Naphthalene	10*	NR		1	U	NR		NR		NR		NR	
Tetrachloroethene	5	2.4		46		85.7		7.4		5.3		7.7	
Toluene	5	1	U	1	U	1	U	1	U	1	U	1	U
trans-1,2-Dichloroethene	5	1	U	1	U	1	U	1	U	1	U	1	U
Trichloroethene	5	1	U	5.2		6.7		2.1		1	U	1	U
Vinyl chloride	2	1	U	1	U	1	U	1	U	1	U	1	U
Xylenes, Total	5	1	U	2	U	1	U	1	U	1	U	1	U

Notes:

VOC = volatile organic compounds

Results reported in micrograms per liter (µg/L).

Only detected compounds shown.

Samples analyzed for VOCs by EPA Method 8260

ft bgs = feet below ground surface

QC Code:

FS = Field Sample

FD = Field Duplicate

Qualifiers:

U = Not detected greater than the RL

Criteria = Class GA Groundwater guidance or standard values from Technical and

Operational Guidance Series (TOGS) 1.1.1,

"Ambient Water Quality Standards and

Guidance Values and Groundwater Effluent

Limitations" (NYSDEC, 1998).

Bold = Detected in sample below criteria value

Highlighted results exceed criteria

* = Guidance Value

NA = not applicable

RL = reporting limit

NR = not reported

RR = Range Rover

MM = Minute Man Dry Cleaners

Table 4.3: Groundwater Monitoring Well VOC Results

Location	AS-5		AS-5		AS-5		MW-6		MW-6		MW-6		MW-6		
	Sample Date	Sample ID	Sample Date	Sample ID	Sample Date	Sample ID	Sample Date	Sample ID	Sample Date	Sample ID	Sample Date	Sample ID	Sample Date	Sample ID	
Sample Depth (ft bgs)	22	22	22	22	18	18	18	18	18	18	18	18	18	18	
Qc Code	FS		FS		FS		FD		FS		FS		FS		
Parameter Name	Criteria	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1-Dichloroethene	5	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
1,4-Dichlorobenzene	3	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Acetone	50*	5 UJ		5 U		5 U		5 U		5 U		5 U		5 U	
Benzene	1	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		1 U		0.5	
Chlorobenzene	5	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Chloroethane	5	2 U		2 U		2 U		2 U		2 U		1 U		2 U	
Chloroform	7	1 U		1 U		1 U		4.9		5		14		1 U	
Cis-1,2-Dichloroethene	5	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Cyclohexane	NA	5 U		5 U		5 U		5 U		5 U		1 U		5 U	
Ethyl benzene	5	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Isopropylbenzene	5	5 UJ		5 U		5 U		5 U		5 U		1 U		5 U	
Methyl cyclohexane	NA	5 UJ		5 U		5 U		5 U		5 U		1 U		5 U	
Methyl Tertbutyl Ether	10	1.3		1 U		1 U		1 U		1 U		1 U		1 U	
Naphthalene	10*	NR		NR		NR		NR		NR		1 U		NR	
Tetrachloroethene	5	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Toluene	5	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
trans-1,2-Dichloroethene	5	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Trichloroethene	5	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Vinyl chloride	2	1 U		1 U		1 U		1 U		1 U		1 U		1 U	
Xylenes, Total	5	1 U		1 U		1 U		1 U		1 U		2 U		1 U	

Notes:

VOC = volatile organic compounds
 Results reported in micrograms per liter (µg/L)
 Only detected compounds shown.
 Samples analyzed for VOCs by EPA Method 8260
 ft bgs = feet below ground surface

QC Code:

FS = Field Sample
 FD = Field Duplicate

Qualifiers:

U = Not detected greater than the RL
 Criteria = Class GA Groundwater guidance or standard values from Technical and Operational Guidance Series (TOGS) 1.1.1, "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (NYSDEC, 1998).

Bold = Detected in sample below criteria value

Highlighted results exceed criteria

* = Guidance Value

NA = not applicable
 RL = reporting limit
 NR = not reported
 RR = Range Rover
 MM = Minute Man Dry Cleaners

Table 4.3: Groundwater Monitoring Well VOC Results

Location		MW-7		MW-7		MW-7		MW-8S		MW-8S		MW-8S	
Sample Date		1/12/2010		5/17/2010		1/31/2011		1/11/2010		5/17/2010		2/1/2011	
Sample ID		130056MW00701702XX		130056MW00701701703XX		130056MW00701704XX		130056MW08S01602XX		130056MW08S01603XX		130056MW08S01604XX	
Sample Depth (ft bgs)		17		17		17		16		16		16	
Qc Code		FS		FS		FS		FS		FS		FS	
Parameter Name	Criteria	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1-Dichloroethene	5	1	U	5	U	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	1	U	6.6		1	U	1	U	1	U	1	U
Acetone	50*	5	U	25	U	5	U	5	U	110		5	U
Benzene	1	0.5	U	5	U	0.5	U	0.5	U	1	U	0.5	U
Chlorobenzene	5	16.2		16		1	U	1	U	1	U	1	U
Chloroethane	5	2	U	5	U	2	U	2	U	1	U	2	U
Chloroform	7	1	U	5	U	1	U	1	U	1	U	1	U
Cis-1,2-Dichloroethene	5	1	U	5	U	1	U	1	U	100		1	U
Cyclohexane	NA	5	U	5	U	5	U	5	U	1	U	5	U
Ethyl benzene	5	1	U	5	U	1	U	1	U	1	U	1	U
Isopropylbenzene	5	5	U	5	U	5	U	5	U	1	U	5	U
Methyl cyclohexane	NA	5	U	5	U	5	U	5	U	1	U	5	U
Methyl Tertbutyl Ether	10	1	U	5	U	1	U	1	U	1	U	1	U
Naphthalene	10*	NR		5	U	NR		NR		1	U	NR	
Tetrachloroethene	5	1	U	5	U	1	U	6.3		2.1		6.6	
Toluene	5	1	U	5	U	1	U	1	U	1		1	U
trans-1,2-Dichloroethene	5	1	U	5	U	1	U	1	U	1.2		1	U
Trichloroethene	5	1	U	5	U	1	U	1	U	2.2		1	U
Vinyl chloride	2	1	U	5	U	1	U	1	U	6.2		1	U
Xylenes, Total	5	1	U	10	U	1	U	1	U	2	U	1	U

Notes:

VOC = volatile organic compounds

Results reported in micrograms per liter (µg/L).

Only detected compounds shown.

Samples analyzed for VOCs by EPA Method 8260

ft bgs = feet below ground surface

QC Code:

FS = Field Sample

FD = Field Duplicate

Qualifiers:

U = Not detected greater than the RL

Criteria = Class GA Groundwater guidance or standard values from Technical and

Operational Guidance Series (TOGS) 1.1.1,

"Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (NYSDEC, 1998).

Bold = Detected in sample below criteria value

Highlighted results exceed criteria

* = Guidance Value

NA = not applicable

RL = reporting limit

NR = not reported

RR = Range Rover

MM = Minute Man Dry Cleaners

Table 4.3: Groundwater Monitoring Well VOC Results

Location		MW-8I		MW-8I		MW-8I		MW-8D		MW-8D		MW-8D	
Sample Date		1/12/2010		5/18/2010		2/1/2011		1/11/2010		5/17/2010		2/1/2011	
Sample ID		130056MW08I03502XX		130056MW08I03503XX		130056MW08I03504XX		130056MW08D07002XX		130056MW08D07003XX		130056MW08D07004XX	
Sample Depth (ft bgs)		35		35		35		70		70		70	
Qc Code		FS		FS		FS		FS		FS		FS	
Parameter Name	Criteria	Result	Qualifier										
1,1-Dichloroethene	5	1	U	1	U	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	1	U	1	U	1	U	1	U	1	U	1	U
Acetone	50*	5	U	5	U	5	U	5	U	5	U	5	U
Benzene	1	0.5	U	1	U	0.5	U	0.5	U	1	U	0.5	U
Chlorobenzene	5	1	U	1	U	1	U	1	U	1	U	1	U
Chloroethane	5	2	U	1	U	2	U	2	U	1	U	2	U
Chloroform	7	1	U	1	U	1	U	1	U	1	U	1	U
Cis-1,2-Dichloroethene	5	1	U	1	U	1	U	1	U	1	U	1	U
Cyclohexane	NA	5	U	1	U	5	U	5	U	1	U	5	U
Ethyl benzene	5	1	U	1	U	1	U	1	U	1	U	1	U
Isopropylbenzene	5	5	U	1	U	5	U	5	U	1	U	5	U
Methyl cyclohexane	NA	5	U	1	U	5	U	5	U	1	U	5	U
Methyl Tertbutyl Ether	10	4.9		2.3		1.8		1	U	1	U	1	U
Naphthalene	10*	NR		1	U	NR		NR		1	U	NR	
Tetrachloroethene	5	1	U	1	U	1	U	1	U	1	U	1	U
Toluene	5	1	U	1	U	1	U	1	U	1	U	1	U
trans-1,2-Dichloroethene	5	1	U	1	U	1	U	1	U	1	U	1	U
Trichloroethene	5	1	U	1	U	1	U	1	U	1	U	1	U
Vinyl chloride	2	1	U	1	U	1	U	1	U	1	U	1	U
Xylenes, Total	5	1	U	2	U	1	U	1	U	2	U	1	U

Notes:

VOC = volatile organic compounds

Results reported in micrograms per liter (µg/L).

Only detected compounds shown.

Samples analyzed for VOCs by EPA Method 8260

ft bgs = feet below ground surface

QC Code:

FS = Field Sample

FD = Field Duplicate

Qualifiers:

U = Not detected greater than the RL

Criteria = Class GA Groundwater guidance or standard values from Technical and

Operational Guidance Series (TOGS) 1.1.1,

"Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (NYSDEC, 1998).

Bold = Detected in sample below criteria value

Highlighted results exceed criteria

* = Guidance Value

NA = not applicable

RL = reporting limit

NR = not reported

RR = Range Rover

MM = Minute Man Dry Cleaners

Table 4.3: Groundwater Monitoring Well VOC Results

Location		MW-9		MW-9		MW-9		MW-10		MW-10		MW-10	
Sample Date		1/12/2010		5/18/2010		2/1/2011		1/12/2010		5/18/2010		2/2/2011	
Sample ID		130056MW00903502XX		130056MW00903503XX		130056MW00903504XX		130056MW01002502XX		130056MW01002503XX		130056MW01002504XX	
Sample Depth (ft bgs)		35		35		35		25		25		25	
Qc Code		FS		FS		FS		FS		FS		FS	
Parameter Name	Criteria	Result	Qualifier										
1,1-Dichloroethene	5	1	U	1	U	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	1	U	1	U	1	U	1	U	1	U	1	U
Acetone	50*	5	U	5	U	5	U	5	UJ	5	U	5	UJ
Benzene	1	0.5	U	1	U	0.5	U	0.5	U	1	U	0.5	U
Chlorobenzene	5	1	U	1	U	1	U	1	U	1	U	1	U
Chloroethane	5	2	U	1	U	2	U	2	U	1	U	2	U
Chloroform	7	1	U	1	U	1	U	1	U	1	U	1	U
Cis-1,2-Dichloroethene	5	1	U	1	U	1	U	1	U	1	U	1	U
Cyclohexane	NA	5	U	1	U	5	U	5	U	1	U	5	U
Ethyl benzene	5	1	U	1	U	1	U	1	U	1	U	1	U
Isopropylbenzene	5	5	U	1	U	5	U	5	U	1	U	5	U
Methyl cyclohexane	NA	5	U	1	U	5	U	5	U	1	U	5	U
Methyl Tertbutyl Ether	10	1	U	0.71	J	1.4		1	U	1.2		1	U
Naphthalene	10*	NR		1	U	NR		NR		1	U	NR	
Tetrachloroethene	5	387		140	D	253		235		760	D	165	
Toluene	5	1	U	1	U	1	U	1	U	1	U	1	U
trans-1,2-Dichloroethene	5	1	U	1	U	1	U	1	U	1	U	1	U
Trichloroethene	5	8.1		2.7		6.6		5.8		25		5.8	
Vinyl chloride	2	1	U	1	U	1	U	1	U	1	U	1	U
Xylenes, Total	5	1	U	2	U	1	U	1	U	2	U	1	U

Notes:

VOC = volatile organic compounds

Results reported in micrograms per liter (µg/L).

Only detected compounds shown.

Samples analyzed for VOCs by EPA Method 8260

ft bgs = feet below ground surface

QC Code:

FS = Field Sample

FD = Field Duplicate

Qualifiers:

U = Not detected greater than the RL

Criteria = Class GA Groundwater guidance or standard values from Technical and

Operational Guidance Series (TOGS) 1.1.1,

"Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (NYSDEC, 1998).

Bold = Detected in sample below criteria value

Highlighted results exceed criteria

* = Guidance Value

NA = not applicable

RL = reporting limit

NR = not reported

RR = Range Rover

MM = Minute Man Dry Cleaners

Table 4.3: Groundwater Monitoring Well VOC Results

Location	MW-11		MW-11		MW-11		MW-11		MW-12		MW-13		MW-14		MW-15I		
	Sample Date	Sample ID															
Sample Depth (ft bgs)	25	130056MW01102502XX	25	130056MW01102503XX	25	130056MW01102504XD	25	130056MW01102504XX	12	130056MW01201204XX	12	130056MW01301204XX	20	130056MW01402004XX	21	130056MW015I02104XX	
QC Code	FS		FS		FD		FS										
Parameter Name	Criteria	Result	Qualifier	Result	Qualifier												
1,1-Dichloroethene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Acetone	50*	5	UJ	5	U	5	UJ	5	U								
Benzene	1	0.5	U	1	U	0.5	U										
Chlorobenzene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroethane	5	2	U	1	U	2	U	2	U	2	U	2	U	2	U	2	U
Chloroform	7	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Cis-1,2-Dichloroethene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Cyclohexane	NA	5	U	1	U	5	U	5	U	5	U	5	U	5	U	5	U
Ethyl benzene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Isopropylbenzene	5	5	U	1	U	5	U	5	U	5	U	5	U	5	U	5	U
Methyl cyclohexane	NA	5	U	1	U	5	U	5	U	5	U	5	U	5	U	5	U
Methyl Tertbutyl Ether	10	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Naphthalene	10*	NR		1	U	NR		NR									
Tetrachloroethene	5	204		120	D	116		121		1	U	1	U	146		101	
Toluene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
trans-1,2-Dichloroethene	5	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trichloroethene	5	4		1.6		1.9		2.1		1	U	1	U	3.4		1.9	
Vinyl chloride	2	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Xylenes, Total	5	1	U	2	U	1	U	1	U	1	U	1	U	1	U	1	U

Notes:
 VOC = volatile organic compounds
 Results reported in micrograms per liter (µg/L).
 Only detected compounds shown.
 Samples analyzed for VOCs by EPA Method 8260
 ft bgs = feet below ground surface
 QC Code:
 FS = Field Sample
 FD = Field Duplicate
 Qualifiers:
 U = Not detected greater than the RL
 Criteria = Class GA Groundwater guidance or standard values from Technical and Operational Guidance Series (TOGS) 1.1.1, "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (NYSDEC, 1998).
Bold = Detected in sample below criteria value
Highlighted results exceed criteria
 * = Guidance Value
 NA = not applicable
 RL = reporting limit
 NR = not reported
 RR = Range Rover
 MM = Minute Man Dry Cleaners

Table 4.3: Groundwater Monitoring Well VOC Results

Location		MW-15S		MW-16		SW-1		SW-1	
Sample Date		2/1/2011		2/1/2011		10/28/2009		2/2/2011	
Sample ID		130056MW015S00904XX		130056MW01602204XX		130056SW001XXX01XX		130056SW001XXX04XX	
Sample Depth (ft bgs)		9		22		50-70		50-70	
Qc Code		FS		FS		FS		FS	
Parameter Name	Criteria	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1-Dichloroethene	5	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	1	U	1	U	1	U	1	U
Acetone	50*	5	U	5	U	5	UJ	5	UJ
Benzene	1	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	5	1	U	1	U	1	U	1	U
Chloroethane	5	2	U	2	U	2	U	2	U
Chloroform	7	1	U	1	U	2	U	1	U
Cis-1,2-Dichloroethene	5	1	U	1	U	1	U	1	U
Cyclohexane	NA	5	U	5	U	5	U	5	U
Ethyl benzene	5	1	U	1	U	1	U	1	U
Isopropylbenzene	5	5	U	5	U	5	UJ	5	U
Methyl cyclohexane	NA	5	U	5	U	5	UJ	5	U
Methyl Tertbutyl Ether	10	1	U	1	U	1	U	1	U
Naphthalene	10*	NR		NR		NR		NR	
Tetrachloroethene	5	3.7		1	U	1.2		1	U
Toluene	5	1	U	1	U	1	U	1	U
trans-1,2-Dichloroethene	5	1	U	1	U	1	U	1	U
Trichloroethene	5	1	U	1	U	1.7		1	U
Vinyl chloride	2	1	U	1	U	1	U	1	U
Xylenes, Total	5	1	U	1	U	1	U	1	U

Notes:

VOC = volatile organic compounds
 Results reported in micrograms per liter (µg/L).
 Only detected compounds shown.
 Samples analyzed for VOCs by EPA Method 8260
 ft bgs = feet below ground surface

QC Code:

FS = Field Sample
 FD = Field Duplicate

Qualifiers:

U = Not detected greater than the RL
 Criteria = Class GA Groundwater guidance or standard values from Technical and Operational Guidance Series (TOGS) 1.1.1, "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (NYSDEC, 1998).

Bold = Detected in sample below criteria value

Highlighted results exceed criteria

* = Guidance Value

NA = not applicable
 RL = reporting limit
 NR = not reported
 RR = Range Rover
 MM = Minute Man Dry Cleaners

Table 4.4: Groundwater Monitoring Well SVOC Results

Location	MW-1 (RR)		MW-1 (RR)		MW-1 (RR)		MW-1 (RR)		MW-2 (RR)		MW-2 (RR)		MW-2 (RR)		
	Sample Date	Sample ID													
	10/27/2009	130056MW1RR01901XX	1/11/2010	130056MW1RR01902XX	2/1/2011	130056MW1RR01904XD	2/1/2011	130056MW1RR01904XX	10/27/2009	130056MW2RR01901XX	1/11/2010	130056MW2RR01702XX	1/31/2011	130056MW2RR01704XX	
Sample Depth (ft bgs)	19		19		19		19		19		17		17		
QC Code	FS		FS		FD		FS		FS		FS		FS		
Parameter Name	Criteria	Result	Qualifier	Result	Qualifier										
Bis(2-Ethylhexyl)phthalate	5	2.2	U	2	U	2.1	U	2.1	U	2.1	U	2	U	2.1	U

Notes:
 SVOC = volatile organic compounds
 Results reported in micrograms per liter (µg/L)
 Only detected compounds shown.
 Samples analyzed for VOCs by EPA Method 8270
 ft bgs = feet below ground surface
 QC Code:
 FS = Field Sample
 FD = Field Duplicate
 Qualifiers:
 U = Not detected greater than the reporting limit
 Criteria = Class GA Groundwater guidance or standard values from Technical and Operational Guidance Series (TOGS) 1.1.1, "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (NYSDEC, 1998).
Bold = Detected in sample below criteria value
Highlighted results exceed criteria
 * = Guidance Value
 RR = Range Rover
 MM = Minute Man Dry Cleaners

Table 4.4: Groundwater Monitoring Well SVOC Results

Location	MW-4 (MM)		MW-4 (MM)		MW-4 (MM)		MW-5 (MM)		MW-5 (MM)		MW-5 (MM)		MW-2		
	Sample Date	10/27/2009	1/13/2010	2/2/2011	10/27/2009	1/13/2010	2/2/2011	10/27/2009	1/13/2010	2/2/2011	10/27/2009	1/13/2010	2/2/2011	10/27/2009	
Sample ID	130056MW4MM01501XX	130056MW4MM01502XX	130056MW4MM01504XX	130056MW5MM01601XX	130056MW5MM01602XX	130056MW5MM01604XX	130056MW00201401XX								
Sample Depth (ft bgs)	15	15	15	16	16	16	14								
QC Code	FS														
Parameter Name	Criteria	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Bis(2-Ethylhexyl)phthalate	5	2	U	2.4	U	2	U	2	U	2.8	U	2.1	U	2	U

Notes:
 SVOC = volatile organic compounds
 Results reported in micrograms per liter (µg/L)
 Only detected compounds shown.
 Samples analyzed for VOCs by EPA Method 8270
 ft bgs = feet below ground surface
 QC Code:
 FS = Field Sample
 FD = Field Duplicate
 Qualifiers:
 U = Not detected greater than the reporting limit
 Criteria = Class GA Groundwater guidance or standard values from Technical and Operational Guidance Series (TOGS) 1.1.1, "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (NYSDEC, 1998).
Bold = Detected in sample below criteria value
Highlighted results exceed criteria
 * = Guidance Value
 RR = Range Rover
 MM = Minute Man Dry Cleaners

Table 4.4: Groundwater Monitoring Well SVOC Results

Location	MW-2		MW-2		MW-3		MW-3		MW-3		MW-3		MW-3A		
	Sample Date	1/13/2010	1/31/2011	1/31/2011	10/28/2009	10/28/2009	1/13/2010	1/31/2011	1/31/2011	1/31/2011	1/14/2010	1/14/2010	1/14/2010	1/14/2010	
Sample ID	130056MW00201402XX		130056MW00201404XX		130056MW00301501XD		130056MW00301501XX		130056MW00301502XX		130056MW00301504XX		130056MW03A08602XX		
Sample Depth (ft bgs)	14		14		15		15		15		15		86		
QC Code	FS		FS		FD		FS		FS		FS		FS		
Parameter Name	Criteria	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Bis(2-Ethylhexyl)phthalate	5	2.5	U	2	U	2.2	U	2.2	U	2	U	2	U	3	U

Notes:
 SVOC = volatile organic compounds
 Results reported in micrograms per liter (µg/L)
 Only detected compounds shown.
 Samples analyzed for VOCs by EPA Method 8270
 ft bgs = feet below ground surface
 QC Code:
 FS = Field Sample
 FD = Field Duplicate
 Qualifiers:
 U = Not detected greater than the reporting limit
 Criteria = Class GA Groundwater guidance or standard values from Technical and Operational Guidance Series (TOGS) 1.1.1, "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (NYSDEC, 1998).
Bold = Detected in sample below criteria value
Highlighted results exceed criteria
 * = Guidance Value
 RR = Range Rover
 MM = Minute Man Dry Cleaners

Table 4.4: Groundwater Monitoring Well SVOC Results

Location	MW-3A		MW-3B		MW-3B		MW-3B		MW-3C		MW-3C		MW-3D		
	Sample Date														
Sample ID	130056MW03A08404XX	130056MW03B05302XD	130056MW03B05302XX	130056MW03B06204XX	130056MW03C05002XX	130056MW03C04804XX	130056MW03D06202XX								
Sample Depth (ft bgs)	84	53	53	62	50	48	62								
QC Code	FS	FD	FS	FS	FS	FS	FS								
Parameter Name	Criteria	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Bis(2-Ethylhexyl)phthalate	5	2.1	U	2.4	U	2.4	U	10.8		3	U	4.3		3	U

Notes:
 SVOC = volatile organic compounds
 Results reported in micrograms per liter (µg/L)
 Only detected compounds shown.
 Samples analyzed for VOCs by EPA Method 8270
 ft bgs = feet below ground surface
 QC Code:
 FS = Field Sample
 FD = Field Duplicate
 Qualifiers:
 U = Not detected greater than the reporting limit
 Criteria = Class GA Groundwater guidance or standard values from Technical and Operational Guidance Series (TOGS) 1.1.1, "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (NYSDEC, 1998).
Bold = Detected in sample below criteria value
Highlighted results exceed criteria
 * = Guidance Value
 RR = Range Rover
 MM = Minute Man Dry Cleaners

Table 4.4: Groundwater Monitoring Well SVOC Results

Location	MW-3D	MW-4		MW-4		MW-4		AS-5		AS-5		AS-5	
	Sample Date	2/2/2011	10/27/2009		1/12/2010		2/1/2011		10/27/2009		1/14/2010		1/31/2011
Sample ID	130056MW03D06704XX	130056MW00401601XX		130056MW00401602XX		130056MW00401804XX		130056AS00502201XX		130056AS00502202XX		130056AS00502204XX	
Sample Depth (ft bgs)	67	60		60		18		22		22		22	
QC Code	FS	FS		FS		FS		FS		FS		FS	
Parameter Name	Criteria	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Bis(2-Ethylhexyl)phthalate	5	9.1		2	U	2	U	2	U	2.2	U	10	U

Notes:
 SVOC = volatile organic compounds
 Results reported in micrograms per liter (µg/L)
 Only detected compounds shown.
 Samples analyzed for VOCs by EPA Method 8270
 ft bgs = feet below ground surface
 QC Code:
 FS = Field Sample
 FD = Field Duplicate
 Qualifiers:
 U = Not detected greater than the reporting limit
 Criteria = Class GA Groundwater guidance or standard values from Technical and Operational Guidance Series (TOGS) 1.1.1, "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (NYSDEC, 1998).
Bold = Detected in sample below criteria value
Highlighted results exceed criteria
 * = Guidance Value
 RR = Range Rover
 MM = Minute Man Dry Cleaners

Table 4.4: Groundwater Monitoring Well SVOC Results

Location	MW-6		MW-6		MW-6		MW-7		MW-7		MW-8S		MW-8S			
	Sample Date		1/12/2010		1/12/2010		1/31/2011		1/12/2010		1/31/2011		1/11/2010		2/1/2011	
	Sample ID		130056MW00601802XD		130056MW00601802XX		130056MW00601804XX		130056MW00701702XX		130056MW00701704XX		130056MW08S01602XX		130056MW08S01604XX	
	Sample Depth (ft bgs)		18		18		18		17		17		16		16	
QC Code		FD		FS												
Parameter Name	Criteria	Result	Qualifier													
Bis(2-Ethylhexyl)phthalate	5	2	U	2	U	2	U	2	U	2	U	2	U	2	U	

Notes:
 SVOC = volatile organic compounds
 Results reported in micrograms per liter (µg/L)
 Only detected compounds shown.
 Samples analyzed for VOCs by EPA Method 8270
 ft bgs = feet below ground surface
 QC Code:
 FS = Field Sample
 FD = Field Duplicate
 Qualifiers:
 U = Not detected greater than the reporting limit
 Criteria = Class GA Groundwater guidance or standard values from Technical and Operational Guidance Series (TOGS) 1.1.1, "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (NYSDEC, 1998).
Bold = Detected in sample below criteria value
Highlighted results exceed criteria
 * = Guidance Value
 RR = Range Rover
 MM = Minute Man Dry Cleaners

Table 4.4: Groundwater Monitoring Well SVOC Results

Location	MW-8I		MW-8I		MW-8D		MW-8D		MW-9		MW-9		MW-10		
	Sample Date	1/12/2010	2/1/2011	1/11/2010	2/1/2011	1/12/2010	2/1/2011	1/12/2010	2/1/2011	1/12/2010	2/1/2011	1/12/2010	2/1/2011		
Sample ID	130056MW08I03502XX		130056MW08I03504XX		130056MW08D07002XX		130056MW08D07004XX		130056MW00903502XX		130056MW00903504XX		130056MW01002502XX		
Sample Depth (ft bgs)	35		35		70		70		35		35		25		
QC Code	FS		FS												
Parameter Name	Criteria	Result	Qualifier	Result	Qualifier										
Bis(2-Ethylhexyl)phthalate	5	2.1	U	2	U	2	U	2	U	2	U	2	U	2	U

Notes:
 SVOC = volatile organic compounds
 Results reported in micrograms per liter (µg/L)
 Only detected compounds shown.
 Samples analyzed for VOCs by EPA Method 8270
 ft bgs = feet below ground surface
 QC Code:
 FS = Field Sample
 FD = Field Duplicate
 Qualifiers:
 U = Not detected greater than the reporting limit
 Criteria = Class GA Groundwater guidance or standard values from Technical and Operational Guidance Series (TOGS) 1.1.1, "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (NYSDEC, 1998).
Bold = Detected in sample below criteria value
Highlighted results exceed criteria
 * = Guidance Value
 RR = Range Rover
 MM = Minute Man Dry Cleaners

Table 4.4: Groundwater Monitoring Well SVOC Results

Location	MW-10	MW-11	MW-11	MW-11	MW-12	MW-13	MW-14						
	Sample Date	2/2/2011	1/12/2010	2/2/2011	2/2/2011	2/2/2011	2/2/2011						
	Sample ID	130056MW01002504XX	130056MW01102502XX	130056MW01102504XD	130056MW01102504XX	130056MW01201204XX	130056MW01301204XX						
	Sample Depth (ft bgs)	25	25	25	25	12	12						
QC Code	FS	FS	FD	FS	FS	FS	FS						
Parameter Name	Criteria	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Bis(2-Ethylhexyl)phthalate	5	2	U	2	U	2	U	2	U	2	U	2	U

Notes:
 SVOC = volatile organic compounds
 Results reported in micrograms per liter (µg/L)
 Only detected compounds shown.
 Samples analyzed for VOCs by EPA Method 8270
 ft bgs = feet below ground surface
 QC Code:
 FS = Field Sample
 FD = Field Duplicate
 Qualifiers:
 U = Not detected greater than the reporting limit
 Criteria = Class GA Groundwater guidance or standard values from Technical and Operational Guidance Series (TOGS) 1.1.1, "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (NYSDEC, 1998).
Bold = Detected in sample below criteria value
Highlighted results exceed criteria
 * = Guidance Value
 RR = Range Rover
 MM = Minute Man Dry Cleaners

Table 4.4: Groundwater Monitoring Well SVOC Results

	Location	MW-151		MW-15S		MW-16		SW-1		SW-1	
	Sample Date	2/1/2011		2/1/2011		2/1/2011		10/28/2009		2/2/2011	
	Sample ID	130056MW015I02104XX		130056MW015S00904XX		130056MW01602204XX		130056SW001XXX01XX		130056SW001XXX04XX	
	Sample Depth (ft bgs)	21		9		22		Unknown		Unknown	
QC Code	FS		FS		FS		FS		FS		
Parameter Name	Criteria	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Bis(2-Ethylhexyl)phthalate	5	2	U	2	U	2	U	2	U	2	U

Notes:

SVOC = volatile organic compounds

Results reported in micrograms per liter (µg/L)

Only detected compounds shown.

Samples analyzed for VOCs by EPA Method 8270

ft bgs = feet below ground surface

QC Code:

FS = Field Sample

FD = Field Duplicate

Qualifiers:

U = Not detected greater than the reporting limit

Criteria = Class GA Groundwater guidance or standard values from Technical and Operational Guidance Series (TOGS) 1.1.1, "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (NYSDEC, 1998).

Bold = Detected in sample below criteria value

Highlighted results exceed criteria

* = Guidance Value

RR = Range Rover

MM = Minute Man Dry Cleaners

Table 4.5: Groundwater Monitoring Well Metals Results

Location	MW-1 (RR)		MW-10		MW-10		MW-16		MW-16		MW-3B		MW-3B		MW-3B		
	10/27/2009		1/12/2010		2/2/2011		2/1/2011		2/1/2011		1/14/2010		1/14/2010		2/2/2011		
	130056MW1RR01901XX		130056MW01002502XX		130056MW01002504XX		130056MW01602204XD		130056MW01602204XX		130056MW03B05302XD		130056MW03B05302XX		130056MW03B06204XX		
	Sample Depth (ft bgs)		Sample Depth (ft bgs)		Sample Depth (ft bgs)		Sample Depth (ft bgs)		Sample Depth (ft bgs)		Sample Depth (ft bgs)		Sample Depth (ft bgs)		Sample Depth (ft bgs)		
QC Code	FS		FS		FS		FD		FS		FD		FS		FS		
Parameter Name	Criteria	Result	Qualifier	Result	Qualifier												
Calcium	NA	13300		24100		7140		11400		11400		12300		12300		16200	
Iron	300	100	U	737		789		112		122		16600		22900		25000	
Manganese	300	35.8		941		463		15	UJ	15.3	J	70.7		83.8		102	
Sodium	20000	35800		33600		10600		16000		15900		5000	U	5000	U	5000	U
Zinc	2000	20	U	34		48.6		41.4									

Notes:

Results reported in micrograms per liter (µg/L)

Only detected compounds shown.

Metals samples analyzed by EPA Method SW6010B, SW7470A

ft bgs = feet below ground surface

QC Code:

FS = Field Sample

FD = Field Duplicate

Qualifiers:

U = Not detected at a concentration greater than the reporting limit

Criteria = Class GA Groundwater guidance or standard values from Technical and Operational Guidance Series (TOGS) 1.1.1, "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations" (NYSDEC, 1998).

Bold = Detected in sample below criteria value

Highlighted results exceed criteria

NA = not applicable

RR = Range Rover

Table 4.6: Monitored Natural Attenuation Parameter Results

		Background						
		MW-4		MW-6		MW-10		
		1/12/2010		1/12/2010		1/12/2010		
		130056MW00401602XX		130056MW00601802XX		130056MW01002502XX		
		16		18		25		
		FS		FS		FS		
Parameter Name	Units	Method	Result	Qualifier	Result	Qualifier	Result	Qualifier
Carbon Dioxide	µg/L	Hach Method	7,230		6,830		6,200	
Ethane	µg/L	ASTM Method D-1945	10	U	NA		10	U
Ethene	µg/L	ASTM Method D-1945	10	U	NA		10	U
Iron	µg/L	USEPA Method 6010B	NA		NA		737	
Manganese	µg/L	USEPA Method 6010B	NA		NA		941	
Methane	µg/L	ASTM Method D-1945	19.4		NA		10	U
Nitrate+Nitrite as N	mg/L	-	0.87		NA		0.65	
Nitrite as N	mg/L	NYSDEC ASP Method 354.1	0.01	U	NA		0.033	
Sulfate	mg/L	NYSDEC ASP Method 375.4	8.6		NA		18.7	
Nitrate as N	mg/L	NYSDEC ASP Method 352.1	0.87		NA		0.62	
Total Alkalinity, as Calcium Carbonate	mg/L	USEPA Method 310.1	40.7		46		59.9	
Chloride	mg/L	USEPA Method 325.3	36.5		29		56	
Sulfide	mg/L	NYSDEC ASP Method 376.2	2	U	NA		2	U
Total Organic Carbon (TOC)	mg/L	USEPA Method 415.1	1	U	NA		1	U
Field Measurements								
pH	Std. Units	Field Instrument	6.1		6.2		7.4	
Temperature	Deg. C	Field Instrument	14		14		12	
Specific Conductance	mS/cm	Field Instrument	0.199		0.242		0.385	
Dissolved Oxygen	mg/L	Field Instrument	1.8		0.1		<0.1	
Oxidation Reduction Potential (ORP)	mV	Field Instrument	170		49		56	
Natural Attenuation Score				4		NC		9

Notes:

Units:

- µg/L = micrograms per liter
- mg/l = milligrams per liter
- Deg. C = degrees Celsius
- mS/cm = milliSiemen/centimeter
- mV = millivolt

QC Code:

- FS = Field Sample
- ft bgs = feet below ground surface

Qualifiers:

- U = Not detected at a concentration greater than the reporting limit

Bold = Detected in sample

- NA = not analyzed
- NC = not calculated

MNA Parameters = Monitored Natural Attenuation Parameters

Field measurements recorded using a Horiba U-22 during purging activities.

Field parameters stabilized prior to sampling according to USEPA guidance

Daily calibration of field instruments were within acceptable ranges.

Natural Attenuation Score from 'Bichlor' program following the "Technical Protocol for

Evaluating Natural Attenuation of Chlorinated Solvents in Groundwater", USEPA 1998

- 0 to 5 = Inadequate evidence for anaerobic biodegradation (reductive dechlorination) of chlorinated organics
- 6 to 14 = Limited evidence for anaerobic biodegradation (reductive dechlorination) of chlorinated organics
- 15 to 20 = Adequate evidence for anaerobic biodegradation (reductive dechlorination) of chlorinated organics
- >20 = Strong evidence for anaerobic biodegradation (reductive dechlorination) of chlorinated organics

Table 4.7: 2010 Soil Vapor Intrusion Results

Site Name and NYSDEC Site Number Site	Gent Uniform Rental Service (130056-01)			
	Structure 01			
	Location	IA-01		SS-01
	Sample Date	1/12/2010		1/12/2010
	Sample ID	130056-IA-01-01		130056-SS-01-01
QC Code	FS		FS	
Parameter Name	Result	Qualifier	Result	Qualifier
Tetrachloroethene	20		89	
1,1,1-Trichloroethane	0.27	U	0.35	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5		0.47	
1,2,4-Trimethylbenzene	0.99		1.9	
1,3,5-Trimethylbenzene	0.28		0.52	
2-Butanone	2.6		3	
2-Hexanone	0.42		0.2	U
2-Propanol	1.1		1.6	
4-Ethyltoluene	0.25		0.43	
4-Methyl-2-pentanone	0.3		0.5	
Acetone	12		39	
Benzene	1.3		1.4	
Carbon disulfide	0.16	U	0.26	
Carbon tetrachloride	0.45		0.46	
Chloromethane	1		1	
Cyclohexane	0.17	U	0.47	
Dichlorodifluoromethane	2.7		2.6	
Ethanol	10		13	
Ethyl benzene	0.91		2.5	
Heptane	0.39		0.85	
Hexane	0.7		1.1	
Methylene chloride	0.69	U	0.78	
Styrene	0.21	U	0.24	
Toluene	11		40	
Trichlorofluoromethane	1.4		1.3	
Xylene, m/p	2.9		7.2	
Xylene, o	0.96		2.1	

Notes:

NYSDEC = New York State Department of Environmental Conservation

Results in microgram per cubic meter ($\mu\text{g}/\text{m}^3$)

Samples analyzed for VOCs by USEPA Method TO-15.

Location Name: SS = Sub-slab Soil Vapor; IA = Indoor Air

QC Code:

FS = Field Sample

Qualifiers:

U = Not detected at a concentration greater than the reporting limit

Bold = analyte detection

Reference:

New York State Department of Health, Center for Environmental Health, Bureau of Environmental Exposure Investigation, "FINAL Guidance for Evaluating Soil Vapor Intrusion in the State of New York", October 2006.

Criteria:

Highlighted results recommend that no further action to be taken, or reasonable and practical actions are taken to identify the source(s) and reduce exposure, as established in "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (New York State Department of Health, 2006)

Table 4.7: 2010 Soil Vapor Intrusion Results

Site Name and NYSDEC Site Number Site Location Sample Date Sample ID QC Code	Gent Uniform Rental Service (130056-02)					
	Structure 02					
	AA-2		IA-02		SS-02	
	2/24/2010		2/24/2010		2/24/2010	
	130056-AA-02-01		130056-IA-02-01		130056-SS-02-01	
Parameter Name	FS		FS		FS	
	Result	Qualifier	Result	Qualifier	Result	Qualifier
Tetrachloroethene	0.24	J	0.93		2.4	
Trichloroethene	0.19	U	0.19	J	1.1	
1,1,1-Trichloroethane	0.19	U	0.19	U	0.33	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.55		0.58		0.64	
1,2,4-Trimethylbenzene	0.17	J	1.1		0.6	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.25	J	0.25	U	0.35	J
1,2-Dichloroethane	0.14	U	1.1		0.2	U
1,3,5-Trimethylbenzene	0.17	J	0.32		0.25	J
1,4-Dichlorobenzene	0.21	U	0.21	J	0.3	J
2-Butanone	0.94	U	1.8		4.6	
2-Hexanone	0.14	J	0.14	U	0.65	
2-Propanol	0.75		34		0.25	U
4-Ethyltoluene	0.17	J	0.22		0.25	J
4-Methyl-2-pentanone	0.21		0.48		0.68	
Acetone	2.9	J	44	JD	70	J
Benzene	0.53		0.66		0.31	
Carbon disulfide	0.11	U	0.11	U	5	
Carbon tetrachloride	0.41		0.43		0.31	J
Chloroethane	0.093	U	0.53		0.13	U
Chloroform	0.17	J	0.17	J	1.3	
Chloromethane	1.1		1.3		0.1	U
Cyclohexane	0.12	U	0.34		0.17	U
Dichlorodifluoromethane	2.7		2.9		3.1	
Ethanol	5		1000	D	5.8	
Ethyl acetate	0.13	U	22		0.18	U
Ethyl benzene	0.15	J	0.44		1.1	
Heptane	0.14	J	1.5		0.2	J
Hexane	0.35		0.95		0.4	
Styrene	0.15	J	0.28		1.6	
Toluene	0.69		6.8		2.7	
Trichlorofluoromethane	1.5		1.8		1.5	
Xylene, m/p	0.33		1.4		3.6	
Xylene, o	0.15	J	0.55		0.99	

Notes:

NYSDEC = New York State Department of Environmental Conservation
 Results in microgram per cubic meter ($\mu\text{g}/\text{m}^3$)
 Samples analyzed for VOCs by USEPA Method TO-15.
 Location Name: SS = Sub-slab Soil Vapor; IA = Indoor Air; AA= Outdoor Ambient Air
 QC Code:
 FS = Field Sample
 Qualifiers:
 U = Not detected at a concentration greater than the reporting limit
 J = Estimated value
 D = Result is reported from a dilution
Bold = analyte detection

Reference:

New York State Department of Health, Center for Environmental Health, Bureau of Environmental Exposure Investigation, "FINAL Guidance for Evaluating Soil Vapor Intrusion in the State of New York", October 2006.

Criteria:

Highlighted results recommend that no further action to be taken, or reasonable and practical actions are taken to identify the source(s) and reduce exposure, as established in "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (New York State Department of Health, 2006)

Table 4.7: 2010 Soil Vapor Intrusion Results

Site Name and NYSDEC Site Number Site	Gent Uniform Rental Service (130056-03)					
	Structure 03					
	Location	IA-03		SS-03		SS-03
	Sample Date	2/24/2010		2/24/2010		2/24/2010
	Sample ID	130056-IA-03-01		130056-SS-03-01		30056-SS-03-01DU
QC Code	FS		FS		FD	
Parameter Name	Result	Qualifier	Result	Qualifier	Result	Qualifier
Tetrachloroethene	0.24	J	2.2		2	
Trichloroethene	0.19	U	1.6		1.5	
1,1,1-Trichloroethane	0.26		2.6		2.5	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.58		0.64		0.66	
1,2,4-Trimethylbenzene	2		2.6		2.9	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.25	J	0.35	U	0.52	U
1,2-Dichloroethane	0.14	J	0.2	U	0.3	U
1,3,5-Trimethylbenzene	0.5		1.7		1.6	
1,4-Dichlorobenzene	0.21	J	0.3	U	0.45	U
2-Butanone	0.77	U	2		1.3	U
2-Propanol	3.3		0.25	U	0.37	U
4-Ethyltoluene	0.53		0.87		0.88	
4-Methyl-2-pentanone	0.21		0.74		0.77	
Acetone	4.7	J	25	J	18	J
Benzene	2.4		1.1		1.5	
Carbon disulfide	0.11	U	7.9		7.4	
Carbon tetrachloride	0.44		0.31	J	0.47	J
Chloroform	0.17	J	0.39		0.37	J
Chloromethane	1.2		0.1	U	0.15	U
Cyclohexane	1		0.85		0.26	U
Dichlorodifluoromethane	3		3.1		3.1	
Ethanol	76	D	4.7	J	11	J
Ethyl acetate	1.4		0.76		0.59	
Ethyl benzene	2.5		2.3		2.5	
Heptane	1.5		2.7		2.1	
Hexane	5.2		2.2		3.3	
Styrene	0.15	J	1.4		1.4	
Toluene	11		7.2		8.4	
Trichlorofluoromethane	1.6		1.6	J	1.7	J
Xylene, m/p	8.3		8.1		8.5	
Xylene, o	2.5		2.9		3	

Notes:

NYSDEC = New York State Department of Environmental Conservation

Results in microgram per cubic meter ($\mu\text{g}/\text{m}^3$)

Samples analyzed for VOCs by USEPA Method TO-15.

Location Name: SS = Sub-slab Soil Vapor; IA = Indoor Air

QC Code:

FS = Field Sample

FD = Field Duplicate

Qualifiers:

U = Not detected at a concentration greater than the reporting limit

J = Estimated value

D = Result is reported from a dilution

Bold = analyte detection

Reference:

New York State Department of Health, Center for Environmental Health, Bureau of Environmental Exposure Investigation, "FINAL Guidance for Evaluating Soil Vapor Intrusion in the State of New York", October 2006.

Criteria:

Highlighted results recommend that no further action to be taken, or reasonable and practical actions are taken to identify the source(s) and reduce exposure, as established in "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (New York State Department of Health, 2006)

Table 4.7: 2010 Soil Vapor Intrusion Results

Site Name and NYSDEC Site Number Site Location Sample Date Sample ID QC Code	Gent Uniform Rental Service (130056-04)			
	Structure 04			
	IA-04		SS-04	
	2/24/2010		2/24/2010	
	130056-IA-04-01		130056-SS-04-01	
Parameter Name	FS		FS	
	Result	Qualifier	Result	Qualifier
Tetrachloroethene	1		0.69	
Trichloroethene	0.19	J	0.57	
1,1,1-Trichloroethane	1.6		0.55	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.59		0.77	J
1,2,4-Trimethylbenzene	0.37		0.49	J
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.25	J	0.7	U
1,2-Dichlorobenzene	0.21	J	0.6	U
1,2-Dichloroethane	0.14	J	0.4	U
1,3,5-Trimethylbenzene	0.17	J	0.49	U
1,3-Dichlorobenzene	0.21	J	0.6	U
1,4-Dichlorobenzene	15		0.6	J
2-Hexanone	0.14	J	0.41	J
2-Propanol	4.7		0.49	U
4-Ethyltoluene	0.17	J	0.49	U
4-Methyl-2-pentanone	0.14	J	0.41	J
Acetone	8.8	J	17	J
Benzene	0.67		0.32	
Carbon disulfide	0.11	U	3.2	
Carbon tetrachloride	0.45		0.63	U
Chloroform	0.17	J	0.49	J
Chloromethane	1.1		0.21	U
Cyclohexane	0.31		0.34	U
Dichlorodifluoromethane	2.9		3.2	
Ethanol	320	D	5.6	
Ethyl acetate	4		0.36	U
Ethyl benzene	0.23		0.43	J
Heptane	0.28		0.41	U
Hexane	0.42		0.35	U
Styrene	0.15	J	0.43	J
Toluene	2		1	
Trichlorofluoromethane	1.7		1.7	J
Xylene, m/p	0.61		0.87	J
Xylene, o	0.23		0.43	J

Notes:

NYSDEC = New York State Department of Environmental Conservation

Results in microgram per cubic meter ($\mu\text{g}/\text{m}^3$)

Samples analyzed for VOCs by USEPA Method TO-15.

Location Name: SS = Sub-slab Soil Vapor; IA = Indoor Air

QC Code:

FS = Field Sample

Qualifiers:

U = Not detected at a concentration greater than the reporting limit

J = Estimated value

D = Result is reported from a dilution

Bold = analyte detection

Reference:

New York State Department of Health, Center for Environmental Health, Bureau of Environmental Exposure Investigation, "FINAL Guidance for Evaluating Soil Vapor Intrusion in the State of New York" October 2006

Criteria:

Highlighted results recommend that no further action to be taken, or reasonable and practical actions are taken to identify the source(s) and reduce exposure, as established in "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (New York State Department of Health, 2006)

Table 4.7: 2010 Soil Vapor Intrusion Results

Site Name and NYSDEC Site Number Site Location Sample Date Sample ID QC Code	Gent Uniform Rental Service (130056-05)			
	Structure 05			
	IA-05		SS-05	
	2/24/2010		2/24/2010	
	130056-IA-05-01		130056-SS-05-01	
Parameter Name	FS		FS	
	Result	Qualifier	Result	Qualifier
Tetrachloroethene	0.33		1.9	
Trichloroethene	0.19	U	0.54	J
1,1,1-Trichloroethane	1.7		0.55	J
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.54		0.77	J
1,2,4-Trimethylbenzene	0.26		0.49	J
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.25	J	0.7	U
1,3,5-Trimethylbenzene	0.17	J	0.49	J
1,4-Dichlorobenzene	0.41		0.6	U
2-Hexanone	0.17		0.44	
2-Propanol	1.4		2.2	
4-Ethyltoluene	0.17	J	0.49	U
4-Methyl-2-pentanone	0.22		0.41	J
Acetone	6.6	J	20	J
Benzene	0.59		0.32	J
Carbon disulfide	0.11	U	2.1	
Carbon tetrachloride	0.44		0.63	J
Chloroform	0.17	J	0.79	
Chloromethane	1.1		0.21	U
Dichlorodifluoromethane	2.9		3.3	
Ethanol	34		4.4	
Ethyl benzene	0.17		0.43	J
Heptane	0.15		0.41	U
Hexane	0.31		0.35	J
Styrene	0.15	J	0.43	J
Toluene	1.1		1.8	
Trichlorofluoromethane	1.7		1.7	J
Xylene, m/p	0.53		1.1	
Xylene, o	0.2		0.43	J

Notes:

NYSDEC = New York State Department of Environmental Conservation

Results in microgram per cubic meter ($\mu\text{g}/\text{m}^3$)

Samples analyzed for VOCs by USEPA Method TO-15.

Location Name: SS = Sub-slab Soil Vapor; IA = Indoor Air

QC Code:

FS = Field Sample

Qualifiers:

U = Not detected at a concentration greater than the reporting limit

J = Estimated value

Bold = analyte detection

Reference:

New York State Department of Health, Center for Environmental Health, Bureau of Environmental Exposure Investigation, "FINAL Guidance for Evaluating Soil Vapor Intrusion in the State of New York", October 2006.

Criteria:

Highlighted results recommend that no further action be taken, or reasonable and practical actions are taken to identify the source(s) and reduce exposure, as established in "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (New York State Department of Health, 2006)

Table 4.7: 2010 Soil Vapor Intrusion Results

Site Name and NYSDEC Site Number Site Location Sample Date Sample ID QC Code	Gent Uniform Rental Service (130056-06) Structure 06			
	IA-06		SS-06	
	2/24/2010		2/24/2010	
	130056-IA-06-01		130056-SS-06-01	
	FS		FS	
Parameter Name	Result	Qualifier	Result	Qualifier
Tetrachloroethene	0.92		2.9	
Trichloroethene	0.19	J	0.62	
1,1,1-Trichloroethane	0.19	J	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.56		0.61	
1,2,4-Trimethylbenzene	5.7		1.2	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.25	J	0.35	J
1,2-Dichloropropane	0.2		0.23	U
1,3,5-Trimethylbenzene	1.6		0.31	
1,4-Dichlorobenzene	0.21	J	0.3	U
2-Butanone	1.9		1.3	U
2-Propanol	8.6		0.25	U
4-Ethyltoluene	1.7		0.25	J
4-Methyl-2-pentanone	0.14	U	0.63	
Acetone	26	J	5.4	J
Benzene	0.79		0.41	
Carbon disulfide	0.11	U	2.7	
Carbon tetrachloride	0.45		0.31	J
Chloroform	0.47		0.24	J
Chloromethane	1.2		0.1	U
Dichlorodifluoromethane	3.1		2.8	
Ethanol	350	D	2.3	J
Ethyl acetate	3.5		0.18	U
Ethyl benzene	6.1		0.84	
Heptane	3.8		0.2	J
Hexane	0.77		0.18	U
Methyl Tertbutyl Ether	1.4	J	0.18	UJ
Styrene	0.26		0.55	
Tetrahydrofuran	0.34		0.15	U
Toluene	23		2.2	
Trichlorofluoromethane	1.9		1.5	J
Xylene, m/p	17		2.6	
Xylene, o	6.3		0.88	

Notes:

NYSDEC = New York State Department of Environmental Conservation

Results in microgram per cubic meter ($\mu\text{g}/\text{m}^3$)

Samples analyzed for VOCs by USEPA Method TO-15.

Location Name: SS = Sub-slab Soil Vapor; IA = Indoor Air

QC Code:

FS = Field Sample

Qualifiers:

U = Not detected at a concentration greater than the reporting limit

J = Estimated value

D = Result is reported from a dilution

Bold = analyte detection

Reference:

New York State Department of Health, Center for Environmental Health, Bureau of Environmental Exposure Investigation, "FINAL Guidance for Evaluating Soil Vapor Intrusion in the State of New York", October 2006.

Criteria:

Highlighted results recommend that no further action to be taken, or reasonable and practical actions are taken to identify the source(s) and reduce exposure, as established in "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (New York State Department of Health, 2006)

Table 4.7: 2010 Soil Vapor Intrusion Results

Site Name and NYSDEC Site Number Site Location Sample Date Sample ID QC Code	Gent Uniform Rental Service (130056-07)							
	Structure 07							
	IA-07		SS-07		SS-07		AA-7	
	3/18/2010		3/18/2010		3/18/2010		3/18/2010	
	130056-IA-07-01		130056-SS-07-01		130056-SS-07-01 DUP		130056-AA-07-01	
Parameter Name	FS		FS		FD		FS	
	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Tetrachloroethene	0.95		11		12		0.59	
Trichloroethene	0.27	U	0.81	J	0.54	U	0.27	U
1,1,1-Trichloroethane	0.27	U	0.82	J	0.55	U	0.27	U
1,1,2,2-Tetrachloroethane	0.34	U	1	J	0.69	U	0.34	U
1,1,2-Trichloro-1,1,2,2-Trifluoroethane	0.49		1.1	J	0.77	J	0.52	
1,2,4-Trichlorobenzene	0.37	U	1.2		0.74	J	0.37	U
1,2,4-Trimethylbenzene	1.3		0.74	U	0.49	U	1	
1,2-Dibromoethane	0.38	U	1.2	J	0.77	U	0.38	U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.35	J	1	J	0.7	U	0.35	J
1,2-Dichloroethane	0.56		0.61	U	0.4	U	0.2	U
1,3,5-Trimethylbenzene	0.38		0.74	J	0.49	J	0.3	
2-Butanone	14	J	2.4	UJ	1.9	UJ	1.7	J
2-Hexanone	0.3	J	0.8	J	0.52	J	0.44	J
2-Propanol	140	EJ	1.9	J	1.5	J	1.6	J
4-Ethyltoluene	0.41		0.74	J	0.49	J	0.3	
4-Methyl-2-pentanone	0.58		0.8	J	0.66	J	0.22	
Acetone	42	J	19	J	17	J	10	J
Benzene	1.7		0.48	U	0.32	U	1.6	
Bromoform	0.52	U	1.6	J	1	U	0.52	U
Carbon disulfide	0.16	U	1		0.92		0.16	U
Carbon tetrachloride	0.43		0.94	J	0.63	J	0.42	
Chlorobenzene	0.23	U	0.69	J	0.46	U	0.23	U
Chloroform	0.37		1.9		2		0.24	J
Chloromethane	1.2		0.31	U	0.21	U	0.92	
Cyclohexane	0.43	J	0.52	UJ	0.34	UJ	0.34	J
Dichlorodifluoromethane	2.4		2.3		2.5		2.1	
Ethanol	510	EJ	5.7	J	5.8	J	16	J
Ethyl acetate	1.3		0.54	U	0.36	U	0.18	U
Ethyl benzene	1.8		0.65	J	0.43	J	0.74	
Heptane	1.1		2.2	J	1.2	J	0.61	
Hexane	2.8		0.53	J	0.37		1.2	
Methylene chloride	7.7	J	2.1	UJ	1.4	UJ	0.69	UJ
Styrene	0.47		0.7		0.5		0.21	U
Tetrahydrofuran	5.7		0.44	U	0.29	U	0.15	U
Toluene	10		2.6	U	2		4.2	
Trichlorofluoromethane	1.3		1.3		1.3		1.1	
Xylene, m/p	4.7		1.3	J	0.87	J	2.2	
Xylene, o	1.5		0.65	J	0.43	J	0.84	

Notes:

NYSDEC = New York State Department of Environmental Conservation
 Results in microgram per cubic meter (µg/m³)
 Samples analyzed for VOCs by USEPA Method TO-15.
 Location Name: SS = Sub-slab Soil Vapor; IA = Indoor Air; AA= Outdoor Ambient Air
 QC Code:

FS = Field Sample
 FD = Field Duplicate

Qualifiers:

U = Not detected at a concentration greater than the reporting limit
 J = Estimated value
 D = Result is reported from a dilution
 E = Result exceeded calibration range
Bold = analyte detection

Reference:

New York State Department of Health, Center for Environmental Health, Bureau of Environmental Exposure Investigation, "FINAL Guidance for Evaluating Soil Vapor Intrusion in the State of New York", October 2006.

Criteria:

Highlighted results recommend that no further action to be taken, or reasonable and practical actions are taken to identify the source(s) and reduce exposure, as established in "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (New York State Department of Health, 2006)

Table 4.8: 2012 Surface Water VOC Results

		SW-001		SW-002	
		3/22/2012		3/22/2012	
		130056-SW00101X		130056-SW00201X	
		FS		FS	
Parameter Name	Criteria	Result	Qualifier	Result	Qualifier
VOCs by 8260 (ug/L)		Not Detected		Not Detected	

Notes:

VOC = volatile organic compounds

QC Code:

FS = Field Sample

Table 5.1 Conceptual Site Model

Media	Known or Suspected Source of Contamination	Type of Contamination (General)	COPCs (Specific)	Primary or Secondary Source Release mechanism	Migration Pathways	Potential Receptors
Soil	Former cesspool/grease trap area (source area removed, residual contamination in soils)	Solvents	PCE; TCE; cis-1,2 DCE; vinyl choride	Leaks and or Spills	Infiltration / percolation	Human: direct contact if excavation occurs in contaminated area (s)
Groundwater	Contaminated Soil (Secondary Source)	Solvents	PCE; TCE; cis-1,2 DCE; vinyl choride	Infiltration / percolation from contaminated soils	Groundwater flow	Although no water supply wells are located in the vicinity, residential exposure is limited.
Indoor Air /Soil Vapor	Contaminated groundwater downgradient from the Gent Uniform Site.	Solvents	PCE; TCE; cis-1,2 DCE; vinyl choride	Volatilization of contaminated groundwater	Migration into buildings / residences	Human: Inhalation
Surface Water	Contaminated Soil (secondary source)	Solvents	PCE; TCE; cis-1,2 DCE; vinyl choride	Contaminants in groundwater have been detected downgradient from Gent Uniform, adjacent to a potential discharge points (surface water). Discharge mechanisms and pathways are not currently expected to result in exposure.	Surface water flow transport	Human or ecological receptors are not expected to be exposed.

Notes:

COPCs = contaminants of potential concern

PCE = tetrachloroethene

TCE = Trichloroethene

DCE = Dichloroethene

Table 8.1: Nature and Extent of Groundwater Contamination

Detected Constituents	Concentration Range Detected (ppb) ^a	SCG ^b (ppb)	Frequency Exceeding SCG
Volatile Organic Compounds			
1,2-Dichlorobenzene	2.6 - 2.6	3	0 / 407
1,4-Dichlorobenzene	2.7 - 6.6	3	1 / 407
Acetone	3.3 - 110	50	1 / 407
Benzene	0.52 - 0.69	1	0 / 407
Chlorobenzene	1.1 - 16.2	5	2 / 407
Chloroethane	1.1 - 1.1	5	0 / 407
Chloroform	1.2 - 14	7	5 / 407
Cis-1,2-Dichloroethene	1.3 - 526	5	7 / 407
Cyclohexane	9.1 - 9.1	NS	0 / 407
Ethyl benzene	1.1 - 34.1	5	2 / 407
Isopropylbenzene	6.6 - 6.6	5	1 / 407
Methyl cyclohexane	6.7 - 6.7	NS	0 / 407
Methyl Tertbutyl Ether	0.71 - 21.4	10	1 / 407
Methylene chloride	15 - 15	5	1 / 407
Naphthalene	4.9 - 4.9	10	0 / 15
Tetrachloroethene	1 - 978	5	86 / 407
Toluene	1 - 2.9	5	0 / 407
trans-1,2-Dichloroethene	1.2 - 6	5	1 / 407
Trichloroethene	0.99 - 237	5	18 / 407
Vinyl chloride	2.1 - 6.2	2	2 / 407
Xylenes, Total	1.1 - 36	5	2 / 407
Semivolatile Organic Compounds			
2-Methylnaphthalene	43 - 72.9	NS	0 / 22
Acenaphthene	58.3 - 61.6	20	2 / 22
Acenaphthylene	18.9 - 21.4	NS	0 / 22
Anthracene	11.2 - 19.4	50	0 / 22
Benzo(a)anthracene	7.8 - 7.8	0.002	1 / 22
Biphenyl	14.4 - 20.1	5	2 / 22
Bis(2-Ethylhexyl)phthalate	11.3 - 11.3	5	1 / 22
Carbazole	10.9 - 17.7	NS	0 / 22
Chrysene	6.6 - 6.6	0.002	1 / 22
Dibenzofuran	9.1 - 10.1	NS	0 / 22
Fluoranthene	7.5 - 19.7	50	0 / 22
Fluorene	30.6 - 38.8	50	0 / 22
Naphthalene	34.4 - 52.1	10	2 / 22
Phenanthrene	48.9 - 80.2	50	1 / 22
Pyrene	9.1 - 26.8	50	0 / 22
Metals, Total			
Calcium	12300 - 24100	NS	0 / 2
Iron	737 - 22900	300	2 / 2
Manganese	83.8 - 941	300	1 / 2
Sodium	33600 - 33600	20000	1 / 2
Zinc	48.6 - 48.6	2000	0 / 2
Inorganics			
Chloride	29000 - 56000	250000	0 / 3
Nitrate as N	620 - 870	10000	0 / 2

Table 8.1: Nature and Extent of Groundwater Contamination

Detected Constituents	Concentration Range Detected (ppb)^a	SCG^b (ppb)	Frequency Exceeding SCG
Nitrate+Nitrite as N	650 - 870	10000	0 / 2
Nitrite as N	33 - 33	1000	0 / 2
Sulfate	8600 - 18700	250000	0 / 2
Total Alkalinity, as CaCO ₃	40700 - 59900	NS	0 / 3
Volatile Gases			
Carbon Dioxide	6200 - 7230	NS	0 / 3
Methane	19.4 - 19.4	NS	0 / 2

^a ppb: parts per billion, which is equivalent to micrograms per liter, ug/L, in water.

^b SCG: Standard Criteria or Guidance - Ambient Water Quality Standards and Guidance

Values (TOGs 1.1.1), 6 NYCRR Part 703, Surface water and Groundwater Quality Standards, and Part 5 of the New York State Sanitary Code (10 NYCRR Part 5).

Data presented in this table reflects groundwater samples collected from November 2009 through December 2010.

NS = No SCG available

Prepared by / Date: KJC 04/13/11

Checked by / Date: MJS 10/4/11

Table 9.1: Identification and Screening of Remedial Technologies

Environmental Media	General Response Action	Remedial Technology	Process Option	Applicability to		Screening Status	Comments	
				Site-Limiting Characteristics	Waste-Limiting Characteristics			
Groundwater	No Action			Not Applicable	Not Applicable	Retained.	Retained to be carried through detailed analysis of alternatives for comparison to alternatives that satisfy RAOs.	
	Access Restrictions and Long Term Monitoring	Land Use Restrictions		Requires coordination and approval with owners of multiple off-site properties. Does not prevent migration of contaminated groundwater from the Gent Property to OU2.	Would not reduce toxicity, mobility, or volume of contaminants.	Retained.	Viable as a component of remedial actions which do not involve remediation allowing for unrestricted use, logistically difficult to resolve permitting issues with multiple landowners.	
	In-Situ Treatment	Biological Treatment	Enhanced Biodegradation	Sufficiently open area for comprehensive injection grid is unavailable. May need to inject in multiple areas downgradient or install in fences. Does not prevent migration of contaminated groundwater from the Gent Property to OU2, but would create an environment in which the less contaminated concentrations of migrating groundwater would be passively remediated upon entry of OU2.	Would not effectively treat relatively high concentrations of contaminants.	Retained.	Viable in conjunction with other remedial actions.	
			Physical Treatment	Permeable Reactive Barrier	Limited by available right of ways and privately owned properties. May need to be implemented in multiple sections or fences instead of one barrier. Does not prevent migration of contaminated groundwater from the Gent Property to OU2, but could be installed in such a way as to passively treat contaminated groundwater within OU2.	None.	Retained.	Viable as a component of remedial actions to reduce migration of groundwater contaminants.
			Air Sparging	This technology would require the capture and treatment of generated vapors. Does not prevent migration of contaminated groundwater from the Gent Property to OU2 and would not treat migrating contaminated groundwater unless the system was actively operating within OU2.	Removes VOC contaminants from the soil in the saturated zone, but may require additional technology to treat off-gases.	Eliminated.	System was previously utilized at the Gent Property for remediation. Logistically difficult to place enough wells within OU2 to be an effective remedy. Could also exacerbate soil vapor intrusion; partitioning contaminants into soil vapor may increase the concentration of contaminated vapors to unsafe levels.	
			Thermal Treatment	Electrical Resistance Heating	May not be cost-effective for the extensive horizontal extents of contamination (i.e. more probe points required to heat media). Does not prevent migration of contaminated groundwater from the Gent Property to OU2 and would not treat migrating contaminated groundwater unless the system was actively operating within OU2.	Requires capture of VOC off-gases.	Eliminated.	Sufficient access for probe grid is unavailable.
			Chemical Treatment	Oxidation/Reduction	Sufficiently open area for comprehensive injection grid is unavailable. May need to inject in multiple areas downgradient or install in fences. Does not prevent migration of contaminated groundwater from the Gent Property to OU2. Depending on the longevity of the reagent used, may support an environment in which OU2 groundwater is passively remediated, or may require additional injection events to treat incoming contamination.	Has the potential to mobilize metals.	Retained.	Provided sufficient contact between the oxidant and contaminant, this technology has proven effective elsewhere at treating similar concentrations of contaminants present on the Gent Property and within OU2.

Table 9.1: Identification and Screening of Remedial Technologies

Environmental Media	General Response Action	Remedial Technology	Process Option	Applicability to		Screening Status	Comments
				Site-Limiting Characteristics	Waste-Limiting Characteristics		
	Ex-situ Treatment	Onsite Treatment	Granular Activated Carbon	Does not prevent migration of contaminated groundwater to the site from an off site source and would not treat migrating contaminated groundwater unless the pumping system was actively operating while groundwater entered the site.	None.	Retained.	
			Air Stripping	Does not prevent migration of contaminated groundwater to the site from an off site source and would not treat migrating contaminated groundwater unless the pumping system was actively operating while groundwater entered the site.	None.	Retained.	
		Offsite Treatment and Disposal	Discharge to POTW after treatment.	Does not prevent migration of contaminated groundwater to the site from an off site source.	None.	Retained.	
			Discharge to surface water after treatment.	Does not prevent migration of contaminated groundwater to the site from an off site source.	None.	Retained.	
			Reinjection after treatment.	Does not prevent migration of contaminated groundwater to the site from an off site source.	None.	Retained.	
		Containment	Capping	Low Permeability Cover System	Would not prevent upgradient groundwater from passing through the saturated zone soil contamination or off-site migration of groundwater contamination and would be impractical to install in privately owned property.	None.	Eliminated.
	Vertical Barriers		Slurry wall, sheet piling	This technology would require the wall to be keyed into the bedrock and would be limited by adjacent buildings and utilities. Depending on installation, could prevent migration of contaminated groundwater to the site from an off site source.	None.	Eliminated.	Few, if any, available areas to install a sufficiently wide slurry wall. May be able to install gates with extraction wells to contain, but would be difficult to implement and expensive.
	Surface Controls		Diversion/collection, grading, soil stabilization	Surface controls alone would not prevent leaching of VOC soil contamination to groundwater and prevent infiltration of precipitation.	None.	Eliminated.	
	Collection		Extraction Wells / Monitoring Wells	Depending on installation, could prevent migration of contaminated groundwater to the site from an off site source by intercepting and extracting the flow from OU1 to OU2.	None.	Retained.	This technology is a viable option for collection of groundwater for treatment.
			Collection Trench	Limited by adjacent buildings and depth to contamination. Depending on installation, could prevent migration of contaminated groundwater to the site from an off site source by intercepting and extracting the flow from OU1 to OU2.	None.	Eliminated.	

Table 10.1: Preliminary Screening of Remedial Alternatives

Remedial Alternative	Effectiveness	Implementability	Cost	Comments
Alternative 1: No Action	Not evaluated.	Not evaluated.	No cost.	Retained as a baseline for comparison.
Alternative 2: In-situ Enhanced Biodegradation	In the long term, this alternative would effectively reduce VOC concentrations in groundwater, and could potentially promote a subsurface condition capable of treating contaminated groundwater migrating into OU2 after treatment events had occurred. However, there is limited evidence of ongoing natural attenuation in OU2; it is unclear whether the subsurface conditions are not conducive to microbial activity or if the correct population of microbes is present to degrade contaminants. Bench-scale and/or microcosm studies could be conducted to evaluate existing microbial conditions and proper amendments. Institutional controls would serve to control exposure to groundwater contamination during treatment and post treatment monitoring.	Enhanced biodegradation is a well proven technology capable of reducing concentrations of VOCs in groundwater. However, its applicability and implementation are heavily dependent on site-specific conditions. In OU2, implementation would be difficult. The groundwater has shown limited evidence of supporting a microbial population capable of degrading the contaminants present on site, potentially requiring modification of groundwater parameters, recurring injection of substrate, or inoculation with appropriate bacteria. The urban nature of the area also obstructs injection.	Costs associated with this alternative are relatively low with a potential to increase depending on the presence of underground utilities. The primary cost items include long term operations, maintenance, and monitoring, and the initial investment in permanent injection wells.	Retained.
Alternative 3: Permeable Reactive Barriers	This alternative, depending on its application, can prevent the migration of contaminated groundwater into OU2 and potential discharge into the Carman Creek, and in the long term would prove effective at reducing VOC concentrations. Minimal operation, maintenance, and monitoring activities will be required on the site in the future. Institutional controls would control exposure to groundwater contamination during treatment and post treatment monitoring.	The primary technical issue associated with this alternative is identifying a location or a sufficient combination of locations to construct a wall capable of intercepting the contaminated plume while also navigating private property constraints and potential underground utilities. The most feasible approach is to install the barrier directly downgradient of the site to intercept contaminated groundwater migrating from OU1.	Costs associated with this alternative are high. The primary cost items include construction activities.	Retained.
Alternative 4: In-situ Chemical Oxidation	This alternative would serve to oxidize VOC groundwater contaminants in OU2, reducing their concentration, but the degree of reduction is dependent on the ability of oxidants to come into contact with contaminants; obstructions to injection would reduce contact between oxidant and contaminant, reducing the effectiveness of the remedy. Also, the relatively short lifespan of oxidation reactions would not provide an environment capable of remediating contaminated groundwater migrating into OU2 after remediation activities had concluded. The actual VOC contaminants (i.e., chlorinated, fuel-related, etc.) treated would depend upon the reagent applied. VOC contaminant degradation would be evaluated during bench-scale analyses. Institutional controls would serve to control exposure to groundwater contamination during treatment and post treatment monitoring.	In-situ chemical oxidation can be implemented using readily available technologies. Depending on the chemical used, its dosage, and ability for chemical distribution, this alternative can provide relatively quick results. Technical issues associated with implementing this alternative stem from the extensive residential use of OU2; the success of chemical oxidation is contingent on the contact between the oxidant and the contamination, but injection is hampered by obstructions. Injection may also displace contamination, failing to reduce concentrations and increasing the areal extent of the plume. Injections could feasibly be used to treat highly contaminated areas of the plume in a targeted application but not the entirety of the plume.	Costs associated with this alternative to treat the entire plume are very high; to treat targeted areas, costs would be relatively low to moderate. The primary cost items include installation of the permanent injection wells and the reagent required for injection.	Eliminated.
Alternative 5: Groundwater Extraction and Treatment	This alternative would address contamination by extracting contaminated groundwater for treatment. While operating, it would be capable of remediating contaminated groundwater migrating into OU2 and could prevent further downgradient migration. Treated effluent could be discharged to the surface but would more likely be discharged to sewer (pending discharge permit) or reinjected into the aquifer. Requires ongoing operation, maintenance, and monitoring activities to reach SCGs. Institutional controls would control exposure to groundwater contamination during treatment and post treatment monitoring.	Ex-situ treatment technologies are readily available for use in this alternative. The largest technical issue associated with this alternative is identifying locations for the extraction wells; it is impractical to extract from everywhere in the plume, but it is possible to prevent migration of contaminants into OU2 and further downgradient with this alternative. Installation of piping that navigates potential underground utilities would also be difficult, and without directly addressing possible remaining sources of contamination this alternative would likely have a long operating lifespan.	Costs associated with this alternative are relatively high. The primary cost items include construction and long term operations, maintenance, and monitoring of the treatment system.	Retained.

Table 11.1: Applicable Location- and Action-Specific Standards, Criteria, and Guidance

Requirement	Consideration in the Remedial Response Process
29 CFR Part 1910.120 - Hazardous Waste Operations and Emergency Response	Applicable to Health and Safety implementation, enforcement, and emergency response.
40 CFR Part 144 - Underground Injection Control Program	Applicable to the development and implementation of underground injection programs.
6 NYCRR Part 375 - Environmental Remediation Programs (as amended December 2006)	Applicable to the development and implementation of remedial programs.
6 NYCRR Part 376 - Land Disposal Restrictions	Applicable to disposal of hazardous wastes. Identifies those wastes that are restricted from land disposal.
6 NYCRR Part 750 through 758 - Implementation of NPDES Program in NYS (“SPDES Regulations”)	Applicable to construction in and adjacent to water bodies and discharge of treated wastewater.
DER-10 Technical Guidance for Site Investigation and Remediation	Applicable to the development and implementation of remedial programs.
Citizen Participation in New York’s Hazardous Waste Site Remediation Program: A Guidebook (June 1998)	Applicable to the development and implementation of remedial programs.
TOGS 1.1.1 - Ambient Water Quality Standards & Guidance Values and Groundwater Effluent Limitations	Applicable to discharge of treated wastewater.
EPA Technical Resource Document - Solidification/Stabilization and its Application to Waste Materials	Applicable to disposal of wastes generated during implementation of remedial program.

Table 11.2: Cost Summary for Alternative 2a
 In-Situ Enhanced Biodegradation (South of Gent Property)

ITEM	COST
DIRECT CAPITAL COSTS	
- Pre-Design Investigation	\$ 30,000
- In-situ Enhanced Biodegradation Pilot Test/Bench-Scale Study	\$ 34,000
- Institutional Controls	\$ 10,000
- Mobilization and Temporary Facilities and Controls (Alternative 2a)	\$ 20,000
- In-Situ Enhanced Biodegradation (South of Gent Property)	\$ 340,000
- Direct Cost Subtotal	\$ 434,000
INDIRECT CAPITAL COSTS	
- Project Management (@ 6 Percent)	\$ 26,000
- Remedial Design (@ 12 Percent)	\$ 52,000
- Construction Management (@ 8 Percent)	\$ 35,000
- Contingency (@ 10 Percent)	\$ 43,000
- Indirect Cost Subtotal	\$ 156,000
TOTAL CAPITAL COSTS	\$ 590,000
OPERATION AND MAINTENANCE COSTS*	
- Periodic Institutional Control Inspections and Reporting (Years 1 through 30)	\$ 4,000
- Long-Term Monitoring (Years 1 and 2; 12 Wells, Quarterly)	\$ 42,000
- Long-Term Monitoring (Years 3 and 4; 12 Wells, Semi-annually)	\$ 25,000
- Long-Term Monitoring (Years 5 through 30; 12 Wells, 15 Month Schedule)	\$ 10,000
PERIODIC COSTS*	
- Reinjection Events (Every 5 Years)	\$ 306,000
PRESENT WORTH OF ANNUAL AND PERIODIC COSTS (30 yrs)	\$ 1,081,000
TOTAL PRESENT WORTH OF ALTERNATIVE 2a (30 yrs)	\$ 1,671,000
TOTAL NON-DISCOUNTED COST OF ALTERNATIVE 2a (30 yrs)	\$ 2,634,000

NOTES:

Costs have been rounded to the nearest thousand.

* - Costs include additional 10 percent for technical support and 25 percent contingency for unforeseen project complexities, including insurance, taxes, and licensing costs. Costs based on annual inspection and reporting.

Table 11.3: Cost Summary for Alternative 2b
 In-Situ Enhanced Biodegradation (South of Gent Property / OU2 Plume)

ITEM	COST
DIRECT CAPITAL COSTS	
- Pre-Design Investigation	\$ 30,000
- In-situ Enhanced Biodegradation Pilot Test/Bench-Scale Study	\$ 34,000
- Institutional Controls	\$ 10,000
- Mobilization and Temporary Facilities and Controls (Alternative 2b)	\$ 21,000
- In-Situ Enhanced Biodegradation (South of Gent Property)	\$ 340,000
- In-Situ Enhanced Biodegradation (Roosevelt Boulevard)	\$ 524,000
- Direct Cost Subtotal	\$ 959,000
INDIRECT CAPITAL COSTS	
- Project Management (@ 6 Percent)	\$ 58,000
- Remedial Design (@ 12 Percent)	\$ 115,000
- Construction Management (@ 8 Percent)	\$ 77,000
- Contingency (@ 10 Percent)	\$ 96,000
- Indirect Cost Subtotal	\$ 346,000
TOTAL CAPITAL COSTS	\$ 1,305,000
OPERATION AND MAINTENANCE COSTS*	
- Periodic Institutional Control Inspections and Reporting (Years 1-30)	\$ 4,000
- Long-Term Monitoring (Years 1 and 2; 12 Wells, Quarterly)	\$ 42,000
- Long-Term Monitoring (Years 3 and 4; 12 Wells, Semi-annually)	\$ 25,000
- Long-Term Monitoring (Years 5 through 30; 12 Wells, 15 Month Schedule)	\$ 10,000
PERIODIC COSTS*	
- Reinjection Events (Years 1 though 30, Every 5 Years)	\$ 647,000
PRESENT WORTH OF ANNUAL AND PERIODIC COSTS (30 yrs)	\$ 1,951,000
TOTAL PRESENT WORTH OF ALTERNATIVE 2b (30 yrs)	\$ 3,256,000
TOTAL NON-DISCOUNTED COST OF ALTERNATIVE 2b (30 yrs)	\$ 5,054,000

NOTES:

Costs have been rounded to the nearest thousand.

* - Costs include additional 10 percent for technical support and 25 percent contingency for unforeseen project complexities, including insurance, taxes, and licensing costs. Costs based on annual inspection and reporting.

Table 11.4: Cost Summary for Alternative 3a
 Permeable Reactive Barriers (South of Gent Property)

ITEM	COST
DIRECT CAPITAL COSTS	
- Pre-Design Investigation	\$ 30,000
- Institutional Controls	\$ 10,000
- Mobilization and Temporary Facilities and Controls (Alternative 3a)	\$ 20,000
- Installation of EHC Barrier (South of Gent Property)	\$ 60,000
- Direct Cost Subtotal	\$ 120,000
INDIRECT CAPITAL COSTS	
- Project Management (@ 8 Percent)	\$ 10,000
- Remedial Design (@ 15 Percent)	\$ 18,000
- Construction Management (@ 10 Percent)	\$ 12,000
- Contingency (@ 10 Percent)	\$ 12,000
- Indirect Cost Subtotal	\$ 52,000
TOTAL CAPITAL COSTS	\$ 172,000
OPERATION AND MAINTENANCE COSTS*	
- Periodic Institutional Control Inspections and Reporting (Years 1 through 30)	\$ 4,000
- Long-Term Monitoring (Years 1 and 2; 12 Wells, Quarterly)	\$ 42,000
- Long-Term Monitoring (Years 3 and 4; 12 Wells, Semi-annually)	\$ 25,000
- Long-Term Monitoring (Years 5 through 30; 12 Wells, 15 Month Schedule)	\$ 10,000
PERIODIC COSTS*	
- Refreshing EHC Barrier (Years 1 through 30, Every 10 Years)	\$ 77,000
PRESENT WORTH OF ANNUAL AND PERIODIC COSTS (30 yrs)	\$ 376,000
TOTAL PRESENT WORTH OF ALTERNATIVE 3a (30 yrs)	\$ 548,000
TOTAL NON-DISCOUNTED COST OF ALTERNATIVE 3a (30 yrs)	\$ 840,000

NOTES:

Costs have been rounded to the nearest thousand.

* - Costs include additional 10 percent for technical support and 25 percent contingency for unforeseen project complexities, including insurance, taxes, and licensing costs. Costs based on annual inspection and reporting.

Table 11.5: Cost Summary for Alternative 3b
 Permeable Reactive Barriers (South of Gent Property / OU2 Plume)

ITEM	COST
DIRECT CAPITAL COSTS	
- Pre-Design Investigation	\$ 30,000
- Institutional Controls	\$ 10,000
- Mobilization and Temporary Facilities and Controls (Alternative 3b)	\$ 27,000
- Installation of EHC Barrier (South of Gent Property)	\$ 60,000
Installation of EHC Barrier (Roosevelt Boulevard)	\$ 304,000
- Direct Cost Subtotal	\$ 431,000
INDIRECT CAPITAL COSTS	
- Project Management (@ 8 Percent)	\$ 34,000
- Remedial Design (@ 15 Percent)	\$ 65,000
- Construction Management (@ 10 Percent)	\$ 43,000
- Contingency (@ 10 Percent)	\$ 43,000
- Indirect Cost Subtotal	\$ 185,000
TOTAL CAPITAL COSTS	\$ 616,000
OPERATION AND MAINTENANCE COSTS*	
- Periodic Institutional Control Inspections and Reporting (Years 1 through 30)	\$ 4,000
- Long-Term Monitoring (Years 1 and 2; 12 Wells, Quarterly)	\$ 42,000
- Long-Term Monitoring (Years 3 and 4; 12 Wells, Semi-annually)	\$ 25,000
- Long-Term Monitoring (Years 5 through 30; 12 Wells, 15 Month Schedule)	\$ 10,000
PERIODIC COSTS*	
- Refreshing EHC Barrier (Years 1 through 30, Every 10 Years)	\$ 479,000
PRESENT WORTH OF ANNUAL AND PERIODIC COSTS (30 yrs)	\$ 775,000
TOTAL PRESENT WORTH OF ALTERNATIVE 3b (30 yrs)	\$ 1,391,000
TOTAL NON-DISCOUNTED COST OF ALTERNATIVE 3b (30 yrs)	\$ 2,088,000

NOTES:

Costs have been rounded to the nearest thousand.

* - Costs include additional 10 percent for technical support and 25 percent contingency for unforeseen project complexities, including insurance, taxes, and licensing costs. Costs based on annual inspection and reporting.

Table 11.6: Cost Summary for Alternative 5a
 Groundwater Extraction and Treatment (South of Gent Property)

ITEM	COST
DIRECT CAPITAL COSTS	
- Pre-Design Investigation	\$ 59,000
- Institutional Controls	\$ 10,000
- Mobilization and Temporary Facilities and Controls (Alternative 5a)	\$ 21,000
- Groundwater Extraction and Treatment (South of Gent Property)	\$ 244,000
- Direct Cost Subtotal	\$ 334,000
INDIRECT CAPITAL COSTS	
- Project Management (@ 8 Percent)	\$ 27,000
- Remedial Design (@ 15 Percent)	\$ 50,000
- Construction Management (@ 10 Percent)	\$ 33,000
- Contingency (@ 10 Percent)	\$ 33,000
- Indirect Cost Subtotal	\$ 143,000
TOTAL CAPITAL COSTS	\$ 477,000
OPERATION AND MAINTENANCE COSTS*	
- Treatment System Op., Maint., and Monitoring (Years 1 through 30)	\$ 76,000
- Long-Term Monitoring (Years 1 and 2; 12 Wells, Quarterly)	\$ 42,000
- Long-Term Monitoring (Years 3 and 4; 12 Wells, Semi-annually)	\$ 25,000
- Long-Term Monitoring (Years 5 through 30; 12 Wells, 15 Month Schedule)	\$ 10,000
PERIODIC COSTS*	
- None	-
PRESENT WORTH OF ANNUAL AND PERIODIC COSTS (30 yrs)	\$ 1,246,000
TOTAL PRESENT WORTH OF ALTERNATIVE 5a (30 yrs)	\$ 1,723,000
TOTAL NON-DISCOUNTED COST OF ALTERNATIVE 5a (30 yrs)	\$ 2,841,000

NOTES:

Costs have been rounded to the nearest thousand.

* - Costs include additional 10 percent for technical support and 25 percent contingency for unforeseen project complexities, including insurance, taxes, and licensing costs.

Table 11.7: Cost Summary for Alternative 5b
 Groundwater Extraction and Treatment (South of Gent Property / OU2 Plume)

ITEM	COST
DIRECT CAPITAL COSTS	
- Pre-Design Investigation	\$ 59,000
- Institutional Controls	\$ 10,000
- Mobilization and Temporary Facilities and Controls (Alternative 5b)	\$ 26,000
- Groundwater Extraction and Treatment (South of Gent Property and Roosevelt Boulevard)	\$ 503,000
- Direct Cost Subtotal	\$ 598,000
INDIRECT CAPITAL COSTS	
- Project Management (@ 6 Percent)	\$ 36,000
- Remedial Design (@ 12 Percent)	\$ 72,000
- Construction Management (@ 8 Percent)	\$ 48,000
- Contingency (@ 10 Percent)	\$ 60,000
- Indirect Cost Subtotal	\$ 216,000
TOTAL CAPITAL COSTS	\$ 814,000
OPERATION AND MAINTENANCE COSTS*	
- Treatment System Op., Maint., and Monitoring (Years 1 through 30)	\$ 102,000
- Long-Term Monitoring (Years 1 and 2; 12 Wells, Quarterly)	\$ 42,000
- Long-Term Monitoring (Years 3 and 4; 12 Wells, Semi-annually)	\$ 25,000
- Long-Term Monitoring (Years 5 through 30; 12 Wells, 15 Month Schedule)	\$ 10,000
PERIODIC COSTS*	
- None	-
PRESENT WORTH OF ANNUAL AND PERIODIC COSTS (30 yrs)	\$ 1,646,000
TOTAL PRESENT WORTH OF ALTERNATIVE 5b (30 yrs)	\$ 2,460,000
TOTAL NON-DISCOUNTED COST OF ALTERNATIVE 5b (30 yrs)	\$ 3,958,000

NOTES:

Costs have been rounded to the nearest thousand.

* - Costs include additional 10 percent for technical support and 25 percent contingency for unforeseen project complexities, including insurance, taxes, and licensing costs.

Table 12.1: Summary of Estimated Remedial Alternative Costs

Item	Description	Alternative 1	Alternative 2a	Alternative 2b	Alternative 3a	Alternative 3b	Alternative 5a	Alternative 5b
1	Capital Costs	\$ -	\$ 590,000	\$ 1,305,000	\$ 172,000	\$ 616,000	\$ 477,000	\$ 814,000
2	Present Worth of Annual and Periodic Costs	\$ -	\$ 1,081,000	\$ 1,951,000	\$ 376,000	\$ 775,000	\$ 1,246,000	\$ 1,646,000
3	Total Present Worth (Item 1 plus 2)	\$ -	\$ 1,671,000	\$ 3,256,000	\$ 548,000	\$ 1,391,000	\$ 1,723,000	\$ 2,460,000
4	Total Nondiscounted Cost	\$ -	\$ 2,634,000	\$ 5,054,000	\$ 840,000	\$ 2,088,000	\$ 2,841,000	\$ 3,958,000

Notes:

- Alternative 1: No Further Action
- Alternative 2a: In-situ Enhanced Biodegradation (South of Gent Property)
- Alternative 2b: In-situ Enhanced Biodegradation (Including Roosevelt Boulevard)
- Alternative 3a: Permeable Reactive Barriers (South of Gent Property)
- Alternative 3b: Permeable Reactive Barriers (Including Roosevelt Boulevard)
- Alternative 5a: Groundwater Extraction and Treatment (South of Gent Property)
- Alternative 5b: Groundwater Extraction and Treatment (Including Roosevelt Boulevard)

Table 12.2: Comparative Analysis of Remedial Alternatives

Remedial Alternative	Alternative 1: No Action	Alternative 2: In-situ Enhanced Biodegradation	Alternative 3: Permeable Reactive Barriers	Alternative 5: Groundwater Extraction and Treatment
Compliance with New York State SCGs	Alternative 1 would not meet chemical-specific SCGs because it would not address groundwater contamination in excess of 6 NYCRR Parts 700-706 Water Quality Standards (NYSDEC, 1998).	Alternative 2 would meet Chemical-specific SCGs for groundwater by treating groundwater in excess of water quality standards, although the time to reach the SCGs is dependent on groundwater velocity and the degree to which the bacteria population can thrive under OU2 conditions. Limited evidence of natural attenuation indicates that the duration of treatment would likely be substantial. Treatment would be implemented taking into account the Action- and Location-specific SCGs.	Alternative 3 would meet Chemical-specific SCGs for groundwater by treating groundwater in excess of water quality standards, although the time to reach the SCGs is dependent on groundwater velocity and likely substantial. Excavation, transportation, and treatment and/or disposal would be implemented into account the Action- and Location-specific SCGs.	Alternative 5 would meet Chemical-specific SCGs for groundwater by extracting and treating overburden groundwater in excess of water quality standards. Excavation, transportation, and treatment and/or disposal would be implemented taking into account the Action- and Location-specific SCGs.
Overall Protection of Human Health and the Environment	Alternative 1 would not would not protect public health and the environment through eliminating, reducing, or controlling existing or potential exposure pathways through removal, treatment, engineering controls, or institutional controls. This remedial alternative would not achieve the RAOs for groundwater.	Alternative 2 would protect public health and the environment by reducing and controlling existing or potential exposure pathways through in-situ treatment and institutional controls. However, this alternative may take a substantial amount of time to treat groundwater contamination present in OU2 in excess of the SCOs; institutional controls will need to remain in place until the groundwater plume has reached SCOs. The source of contamination on the Gent Property will need to be treated or removed in order to maintain SCOs in OU2 without continued operation of the remedy.	Alternative 3 would protect public health and the environment by reducing and controlling existing or potential exposure pathways through in-situ treatment and institutional controls. However, this alternative may take a substantial amount of time to treat groundwater contamination present in OU2 in excess of the SCOs; institutional controls will need to remain in place until the groundwater plume has reached SCOs. The source of contamination on the Gent Property will need to be treated or removed in order to maintain SCOs in OU2 without continued operation of the remedy.	Alternative 5 would protect public health and the environment by reducing OU2 groundwater contamination and the implementation of institutional controls. This alternative would achieve the RAOs for groundwater in the long-term and eliminate the threat of groundwater contamination in the short-term via extraction and treatment. The source of contamination on the Gent Property will need to be treated or removed in order to maintain SCOs in OU2 without continued operation of the remedy.
Short-term Effectiveness	Alternative 1 would include no actions, and therefore would not result in short-term adverse impacts and risks to the community, site workers, and the environment.	Alternative 2 includes installation of permanent injection points, in-situ enhanced biodegradation of the OU2 plume, and associated construction activities. Short-term adverse impacts and risks to the community, site workers, and the environment are possible during the course of work; however, these risks could be controlled through: coordination and communication with affected property owners; erosion, sedimentation, and dust control; and a comprehensive contractor health and safety program.	Alternative 3 includes installation of one or more permeable reactive barriers by injection and associated construction activities. Short-term adverse impacts and risks to the community, site workers, and the environment are possible during the course of work; however, these risks could be controlled through: coordination and communication with affected property owners; erosion, sedimentation, and dust control; and a comprehensive contractor health and safety program.	Alternative 5 includes installation and operation of a pump and treat groundwater extraction system, treatment facilities, and associated construction activities. Short-term adverse impacts and risks to the community, site workers, and the environment are possible during the course of work; however, these risks could be controlled through: coordination and communication with affected property owners; erosion, sedimentation, and dust control; and a comprehensive contractor health and safety program.
Long-term Effectiveness and Permanence	Alternative 1 does not include actions to address groundwater contamination in OU2. This remedy may meet RAOs associated groundwater in the future due to natural attenuation processes but only if action is taken to remediate the source present on the Gent Property, and the time period required to meet RAOs is likely substantial.	Alternative 2 would be effective at reducing levels of contamination in OU2 to the RAOs as long as the appropriate bacteria was introduced, sufficient nutrients were provided to foster the bacteria, and enough time passed that contaminated groundwater was allowed to migrate through the treatment areas or migrate out of OU2. However, conditions of the groundwater plume would have to be carefully monitored to ensure that the appropriate subsurface environment was maintained to keep the bacteria alive. Subsequent injections of biostimulation agents need to be applied every 3 to 5 years to keep the bacteria active for the duration of treatment. The source of contamination on the Gent Property will need to be treated or removed in order to maintain SCOs in OU2 without continued operation of the remedy.	Alternative 3 would provide permanent reduction of OU2 groundwater contamination through the passive treatment of groundwater migrating from the Gent Property into OU2 and flushing/dilution of any contaminated groundwater downgradient of the remedy. Sufficient time would be needed to allow the entirety of the plume to either pass through treatment areas or migrate off site, after which no rebound or leaching from secondary sources would be expected to occur. This alternative would rely upon institutional controls to prevent exposure to downgradient groundwater contamination until natural attenuation reduced concentrations to acceptable levels.	Alternative 5 would provide reduction of OU2 groundwater contamination through extraction and ex-situ treatment but only for the duration of the remedy. Once sufficient time had passed to allow contaminated groundwater to pass through the treatment system or migrate out of OU2, RAOs are expected to be reached and rebound of contaminant concentrations is not likely as long as the remedy continues to be operated. The source of contamination on the Gent Property will need to be treated or removed in order to maintain SCOs in OU2 without continued operation of the remedy. This alternative would rely upon institutional controls to prevent exposure to groundwater during remediation activities.
Reduction of Toxicity, Mobility, and Volume	Alternative 1 would not provide reduction in the toxicity, mobility, or volume of VOC groundwater contamination through treatment.	Alternative 2 would provide reduction of toxicity, mobility, and volume of VOCs in OU2 through in-situ treatment, although contamination downgradient of the remedy would likely remain unaffected and continue to migrate out of OU2. Potential stalling of the degradation process may result in increased concentrations of DCE or vinyl chloride and a temporary increase in toxicity; a study would be performed to identify what substrates are the most effective at supporting the full degradation of contaminants on site.	Alternative 3 would provide reduction in the mobility of OU2 VOC groundwater contamination but would not provide an immediate reduction in toxicity and volume. Groundwater flushing and continued in-situ treatment of groundwater migrating into OU2 would result in long-term reduction in the toxicity, mobility, and volume of groundwater contamination migrating out of OU2, although contamination downgradient of the remedy would likely remain unaffected.	Alternative 5 would provide reduction in the toxicity, mobility, and volume of VOC groundwater contamination through ex-situ treatment of groundwater, although contamination downgradient of the remedy would likely remain unaffected and continue to migrate out of OU2.

Table 12.2: Comparative Analysis of Remedial Alternatives

Remedial Alternative	Alternative 1: No Action	Alternative 2: In-situ Enhanced Biodegradation	Alternative 3: Permeable Reactive Barriers	Alternative 5: Groundwater Extraction and Treatment
Implementability	Alternative 1 would include no actions, therefore there are no technical difficulties associated with this alternative. However, obtaining regulatory approval of this alternative would be difficult.	Technically, Alternative 2 would not be difficult to implement; the technology is readily available and the installation techniques are common. Logistically, this alternative is difficult to implement. The contaminant plume is largely situated beneath private residences, and there is limited evidence of favorable natural attenuation conditions. The most implementable option is to install fences both directly south of the Gent Property and at the downgradient end of OU2. This design would leave about 1400 feet between fences and an estimated 7.5 years of travel time between each fence. Although the reagent may not last the full length of that time, multiple applications would ensure ongoing plume treatment.	Alternative 3 would not be easily implementable due to the extensive residential use of the property above the plume, the varying depth of the plume, and the likely presence of underground utilities. The most implementable options appear to be: (1) cutting off the plume either as it leaves the Gent Property, or (2) directly before it reaches Carman Creek, with installation by injection. Both locations appear to have contamination to roughly 30 feet below ground surface (bgs) based on prior investigations and neither options is located on residential property. Prior to installation a subsurface survey should be conducted to identify underground utilities that may interfere with the proposed location of the permeable reactive barriers.	Alternative 5 would not be easily implementable due to the extensive residential use of the property overlying the plume and the varying depth of the contamination. The most implementable options appear to be cutting off the plume either as it leaves the Gent Property, directly before it reaches Carman Creek, or at both locations. Wells could also be located across the width of the plume along Carman Boulevard, but the depth of the plume at this location is estimated to be roughly 60 feet bgs, whereas in either of the proposed Alternative 5 locations the depth is estimated to be 30 feet bgs. The implementability at either location depends heavily upon the availability of a location for the ex-situ treatment trailer and the presence of underground utilities that may interfere with the installation or operation of the groundwater extraction system. Prior to any excavation a subsurface utilities survey would be conducted.
Land Use	Alternative 1 does not include actions to remove or treat groundwater contamination in excess of the Protection of Groundwater SCOs, and would therefore not be compatible with current and foreseeable future land use.	The current and reasonably anticipated future land use of OU2 is for commercial and residential purposes. Alternative 2 would be protective of potential residents and commercial workers.	The current and reasonably anticipated future land use of OU2 is for commercial and residential purposes. Alternative 3 would be protective of potential residents and commercial workers.	The current and reasonably anticipated future land use of OU2 is for commercial and residential purposes. Alternative 5 would be protective of potential residents and commercial workers.

APPENDIX A

PREVIOUS INVESTIGATION INFORMATION



December 5, 2007

Mr. Robert R. Stewart
Environmental Engineer I
New York State Department of Environmental Conservation
Division of Environmental Remediation - Region One
Building 40 SUNY
Stony Brook, New York 11790-2356

Re: Scope of Work for Soil Vapor Investigation
5680 Merrick Road, Massapequa, New York
NYSDEC Site # 1-30-056

Dear Mr. Stewart:

On behalf of Gent Uniform Rental ("Gent"), Roux Associates, Inc. ("Roux Associates") has prepared the following scope of work to conduct a soil vapor investigation south of the Gent facility located at 5680 Merrick Road, Massapequa, New York ("the Site") pursuant to the Order on Consent (W1-0886-01-05) between the New York State Department of Environmental Conservation ("NYSDEC") and Gent dated December 31, 2001. Collection of soil vapor and ambient air samples is discussed in the Remedial Investigation Work Plan for Operable Unit 2 (OU-2), that covers potential off-site impacts from the Site.

Scope of Work

In accordance with the Final NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006, Roux Associates proposed to collect four samples: one soil vapor sample located along Major Road (SV-201), two soil vapor samples located along Carman Boulevard (SV-202 and SV-203), and one outdoor ambient air sample (A-201). Soil vapor samples SV-201, SV-202, and SV-203 will correspond to the proposed groundwater sampling locations MW-201, MW-202, and MW-203, respectively, as shown on the attached figure. This will allow soil vapor samples to be collected under the same Town of Oyster Bay monitoring well installation permits. It will also allow an evaluation of concentrations of volatile organic compounds ("VOCs") in both groundwater and soil vapor from the same locations.

At each soil vapor sampling location, a Geoprobe® rod equipped with a Geoprobe soil vapor sampling connector and a disposable drive point will be advanced into the ground to approximately five feet. Once at the desired depth, the Geoprobe rod will be retracted approximately one foot, creating a void space. One end of a polyethylene sampling tube will then be connected to an adapter inserted into the Geoprobe rods. The adapter will be threaded onto the post run tubing connector at the bottom of the rods, sealing off the ambient air with a silicon o-ring. The other end of the sampling tube will be run through an enclosure that covers the top of the sample probe and connected to a disposable three-way stop-cock. New sample tubing and stop-cocks will be used at each sample location. The enclosure will be flooded with helium as an inert tracer gas.

Tubing from one of the stop-cock ports will lead to a vacuum pump and tubing from the other stop-cock port will lead to a pre-evacuated six-liter Summa canister supplied by the laboratory. The stop-

Mr. Robert R. Stewart

December 5, 2007

Page 2

cock valve will isolate the pump and the Summa canister. Initially, the valve leading to the Summa canister will be closed and the valve leading to the vacuum pump will be open. The soil gas sampling location will be purged of one to three volumes of the sampling apparatus using the vacuum pump set at a rate equal to or less than 0.2 liters per minute. During purging, the purge gas will be analyzed for the helium tracer gas using a helium detector. If helium is detected, the surface seal will be adjusted and the purging continued until no helium is being detected. Care will be taken to avoid excessive purging prior to sample collection. Following purging, the valve leading to the pump will be closed, the pump will be turned off, and the valve leading to the Summa canister will be opened. The Summa canister will then be filled with soil gas at a rate of approximately 0.1 liters per minute (1 hour exposure) using a laboratory calibrated regulator. Once the Summa canister has been filled, the valve on the canister will be closed and the canister disconnected from the sampling tubing.

One exterior ambient air sample will be collected concurrently with the soil vapor samples. The exterior air sample will also be collected in a pre-evacuated six-liter Summa canister with a flow-controlling regulator over an eight-hour period.

Soil vapor and air samples will be analyzed for VOCs using USEPA method TO-15 and analytical results will be reported in micrograms per cubic meter (“ $\mu\text{g}/\text{m}^3$ ”).

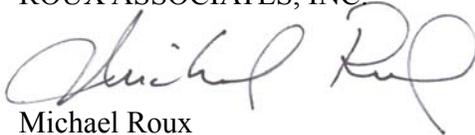
Proposed Schedule

Roux Associates proposes to collect soil vapor samples immediately prior to collection of groundwater samples and installation of monitoring wells at each location. This work will be conducted once Town of Oyster Bay permits have been acquired. Analytical results will be forwarded to the NYSDEC and NYSDOH within five days of receipt.

If you have any questions concerning the proposed scope of work, please do not hesitate to contact me at 631-232-2600.

Sincerely,

ROUX ASSOCIATES, INC



Michael Roux
Principal Hydrogeologist

attachment

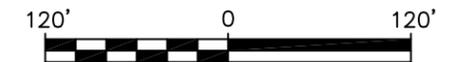
cc: Sharon McLelland, New York State Department of Health
Joseph DeFranco, Nassau County Department of Health
Gent Uniform Rental Corporation
Frederick Eisenbud, Esq., Lamb and Barnosky, LLP



LEGEND

- MW-201 PROPOSED LOCATION AND DESIGNATION OF MONITORING WELLS
- TW-103 LOCATION AND DESIGNATION OF GROUNDWATER SAMPLE
- 1,600 HISTORIC CONCENTRATION OF PERC IN PPB

+ - Revised MW location



Title:			
PROPOSED SAMPLING LOCATIONS			
OU-2 RI WORK PLAN			
Prepared For:			
GENT UNIFORM RENTAL			
 ROUX ASSOCIATES, INC. <i>Environmental Consulting & Management</i>	Compiled by: M.R.	Date: 26AUG05	FIGURE 2
	Prepared by: B.H.C.	Scale: AS SHOWN	
	Project Mgr: M.R.	Office: NY	
	File No: GEN0113101	Project: 102001Y	



Fact Sheet

January 2005

**Proposed Remedial Action Plan
Gent Uniform Rental Service
Operable Unit 1**

**Site Number 1-30-056
Massapequa, Nassau County**

PUBLIC MEETING ANNOUNCEMENT

The NYS Department of Environmental Conservation, working with the NYS Department of Health and the Nassau County Department of Health, invites concerned citizens to attend a public meeting (see location below) to discuss the Proposed Remedial Action Plan for the cleanup of on-site contamination (Operable Unit 1) at the Gent Uniform Rental Service site in Massapequa, Town of Oyster Bay, Nassau County. This fact sheet is also intended to solicit public comments on the Proposed Remedial Action Plan.

Public Meeting Location and Date:

Massapequa High School
4925 Merrick Road
Massapequa, NY 11758
January 25, 2005 starting at 7:00 P.M.

Document Repositories:

NYSDEC Region 1 Office
Environmental Remediation Unit
SUNY, Building 40
Stony Brook, NY 11790-2356
Phone: (631) 444-0240
Hours: Mon - Fri, 8:30 a.m. - 4:45 p.m.

Massapequa Public Library

40 Harbor Lane
Massapequa, New York 11762
Hours: Mon-Thurs, 9:00 A.M. - 9:00 P.M.
Fri, 9:00 A.M. - 6:00 P.M.
Sat, 9:00 A.M. - 5:00 P.M.
Sun, 1:00 P.M. - 5:00 P.M.

Public Comment Period:

January 10, 2005 to February 10, 2005

For Additional Information:

Robert Stewart, Project Manager
NYS Dept of Environmental Conservation
SUNY, Building 40
Stony Brook, NY 11790-2356
Phone: (631) 444-0244

Bill Fonda, Citizen Participation Specialist
NYSDEC, Region 1, SUNY, Building 40
Stony Brook, NY 11790-2356
Phone: (631) 444-0350

Rebecca Mitchell, Public Health Specialist
NYS Department of Health
547 River Street, Rm 300
Troy, NY 12180-2216
Phone: (518) 402-7870 or
(800) 458-1158 ext. 27870

INTRODUCTION

The New York State Department of Environmental Conservation (NYSDEC) is proposing a remedy for the on-site contamination (Operable Unit 1) at the Gent Uniform Rental Service (Gent) site in Maspeth. This fact sheet summarizes the results of the remedial investigation and describes the proposed remedy. The public is invited to comment on the proposed remedy and to attend a public meeting at which the proposed on-site remedy will be discussed in more detail.

The site has been divided into two operable units. This fact sheet describes the proposed remedy for Operable Unit 1 (OU-1), the on-site soil and groundwater. Operable Unit 2 (OU-2), the off-site groundwater contamination, will be addressed by another remedy in the future.

SITE DESCRIPTION AND BACKGROUND

The Gent site is located at 5680 Merrick Road in Maspeth. See the figure on the last page. The site is located in a mixed commercial and residential setting. A two story building in the western side of the parcel covers approximately half the property. Historically, uniform rental operations used tetrachloroethene (PCE) for dry cleaning starting in November, 1979. The dry cleaning machine was removed from the site in 1998. Uniforms are now cleaned with detergents only. Historical discharges of PCE were discovered to have occurred as a result of a corroded fitting on a grease trap, which caused a release to the former sanitary system located beneath the western side of building. This release resulted in PCE contamination of the on-site soil and the on-site and off-site groundwater.

A 1996/1997 preliminary site assessment performed for the NYSDEC detected significant concentrations of PCE in soil and the shallow groundwater beneath the Gent building. Additionally, the site owner conducted various site investigations between 1990 to 2000 to characterize the nature and extent of the contamination.

When it was discovered that a former grease trap was the primary source of contamination, a limited soil removal was performed to remove soils surrounding the grease trap. Additionally, based on the investigations, an air sparge/soil vapor extraction (AS/SVE) system was installed to treat on-site soil and groundwater contamination. In an AS/SVE system, air is pumped into groundwater contaminated with volatile organic compounds such as PCE. In the AS portion of the system, air bubbles capture the volatile contaminants and carry them to the soil above the water table. The SVE portion of the system applies a vacuum at several points located in the soil above the water table. The

vacuum removes the contaminants forced into the soil by the sparging system, as well as contaminants located in the soil itself.

The AS/SVE system was located near the former sanitary system beneath the building and between the building and the south property border. The system was operated between May 1999 and December 1999. A modified system based on the results of supplemental sampling operated between December 2000 and approximately August 2002. The property owner did this work before entering into an agreement with NYSDEC, which therefore did not oversee the AS/SVE system or the soil removal.

REMEDIAL INVESTIGATION

Under a consent order between Gent and the NYSDEC that was executed on December 31, 2001, a remedial investigation, overseen by the NYSDEC, was performed to evaluate the site contamination and determine the effectiveness of the remedial measures that were implemented by the owner.

All soil samples collected during the RI were within applicable soil cleanup objectives. The sampling locations were selected based on the results of historical soil samples from contaminated areas.

The sampling during the RI of existing on-site monitoring wells indicates that on-site groundwater quality has improved significantly. However, some isolated on-site groundwater contamination remains in the southwestern portion of the site near the location of the former sanitary system. One shallow well at the property border had 410 parts per billion (ppb) of PCE, while a shallow well near the former cesspool had 64 ppb of cis 1,2-dichloroethene (cis 1,2-DCE), a degradation product from the partial breakdown of PCE. A sample from a 65' deep monitoring well on the south side of the building detected 140 ppb of PCE. The groundwater standards for PCE and cis 1,2-DCE are both 5 ppb.

To determine off-site groundwater quality, six profile borings were used to collect discrete groundwater samples at five intervals per boring. Five of these borings were located on Major Road, the first east-west street south of the site. These five borings formed a transect perpendicular to the mostly southerly groundwater flow direction. The nearby Carmans River, located about 900 feet to the west, may impart a slight westerly component to the groundwater flow direction on the western side of the site, while the Narragansett River located about 1,100 feet to the east may have some limited influence on the groundwater flow direction towards the eastern side.

PROPOSED REMEDIAL ACTION PLAN FOR OU-1

The most significant off-site groundwater detection was in the westernmost sample location at the end of Major Road. The shallow interval slightly below the water table contained the highest concentrations with 1,600 ppb of PCE and 510 ppb of cis 1,2-DCE as the primary detections. Further investigation is necessary to better define the extent of the groundwater contamination in this area and to determine whether other nearby properties are contributing to the contamination.

Some chlorobenzene was detected in three samples in a probe location on Major Road that is just west of Stone Boulevard. The chlorobenzene detections appears to be highly localized and may not be site-related.

HUMAN EXPOSURE PATHWAYS

Although groundwater at the site is contaminated, there are currently no known exposures to the contamination. Gent gets its potable water from the public water supply. The public water supply is routinely tested to ensure that it complies with federal and state drinking water standards.

Gent reportedly uses an on-site supply well, located by the southeast corner of the building, to supply water for laundering operations only. Historically, the water in on-site supply wells did exceed groundwater standards, and there could have been limited exposures when the water was being used for laundering. The active on-site supply well is not currently a source of exposure, since the most recent sample from the well was within applicable groundwater standards.

The potential for exposure to contaminated soil vapor has not yet been thoroughly investigated. Contaminants like PCE can volatilize from soil or groundwater into the pore spaces between soil particles. These vapors in the pore spaces are called soil vapor and can, under certain circumstances, infiltrate into buildings near the contamination, causing indoor air contamination. An investigation is still needed to determine whether the contamination that remains in the groundwater at the site is volatilizing into soil vapor, which would indicate a potential for soil vapor intrusion into existing or future buildings.

The site and surrounding area are served by a public water supply, which is routinely tested to ensure that it complies with drinking water standards. A private well survey did not find any users of the off-site groundwater for drinking water purposes. One private well may be still used for irrigation. The potential for exposure to off-site contamination, via groundwater use or soil vapor intrusion, will be further investigated under OU-2.

The on-site groundwater contamination in the western side of the site near the former sanitary system requires further remediation to prevent potential exposures to this groundwater, to limit further migration of contaminants to the off-site groundwater and to prevent volatilization of the contaminants in the shallow on-site groundwater into the pore spaces in the overlying soil. The historical soil contamination has already been remediated.

The NYSDEC's Proposed Remedial Action Plan (PRAP) for OU-1 of the Gent site, dated January 2005, is available in the public repositories for public review. The primary element of the proposed remedy is operation of the existing AS/SVE system to remediate groundwater contamination, as well as any soil vapor contamination within the system's radius of influence.

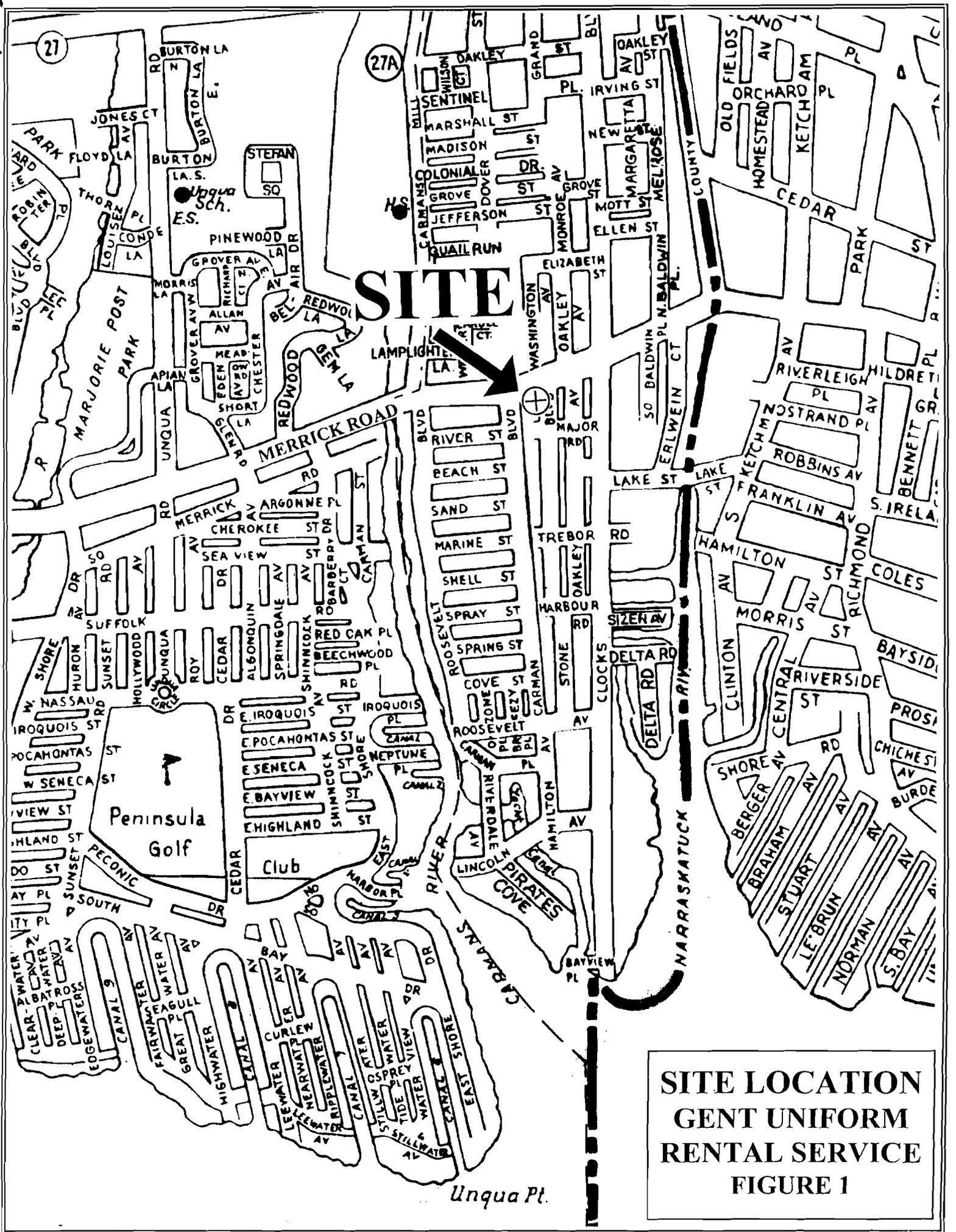
As part of the remedy, soil vapor samples would be collected before and after restart of the system to ensure that the system was adequately capturing subsurface soil vapor. Based on the results of this sampling, the system would be modified, if necessary.

An operation, maintenance, and monitoring plan for the system would be required to periodically evaluate the performance of the system. Additionally, an environmental easement would be developed to prevent use of the underlying on-site groundwater for drinking water purposes without adequate treatment.

CITIZEN PARTICIPATION

The public is invited to a public meeting on January 25, 2005, at which the NYSDEC will present the PRAP for OU-1. See the front page for further details. The public is encouraged to review the PRAP and submit comments to the NYSDEC. A 30-day comment period from January 10, 2005 to February 10, 2005 has been established to receive public comments. Comments can be submitted to Robert Stewart at the address listed on the front page and will also be received verbally at the public meeting. A final remedy will be selected after all public comments have been considered. A responsiveness summary will be prepared and included in the Record of Decision, which will be placed in the public repositories, when available.

The RI work plan, RI report, and PRAP are available at the public document repositories listed on the front page. Any questions regarding this site should be directed to the contacts listed on the front page.



SITE



**SITE LOCATION
GENT UNIFORM
RENTAL SERVICE
FIGURE 1**

Unquah Pt.

APPENDIX B

GROUNDWATER VELOCITY CALCULATION

GENT UNIFORM R/As Groundwater Velocity Calculation

1650' path length

$$R = 1 + \frac{(1.5)(0.006)(364)}{0.43}$$

$$= 1 + 7.62 = 8.62 \text{ seems high}$$

~~0.01~~

$$\bar{i} = (0.00125 + 0.00136 + 0.00115) / 3$$

$$= 0.00125 \text{ ft/ft}$$

Assume $K = 40 \text{ ft/d}$, $n_{eff} = 0.3$

$$\bar{v} = \frac{(40)(0.00125)}{0.3} = 0.1667 \text{ ft/d} \Rightarrow 60.8 \frac{\text{ft}}{\text{yr}}$$

really low

say 30 yrs from release

$$\frac{v}{R} = \frac{1650'}{30 \text{ yr}} = 55 \frac{\text{ft}}{\text{yr}}$$

$$v = (55 \frac{\text{ft}}{\text{yr}})(8.62) = 474 \frac{\text{ft}}{\text{yr}}$$

suggests $K > 300 \text{ ft/d}$ if $R = 8.62$

DRAFT
OPERABLE UNIT 2 REMEDIAL INVESTIGATION
GENT UNIFORM RENTAL SERVICE
SITE # 130056

if $\text{for } \approx 0.002$

$$R = 1 + 2.54 = 3.54$$

$$v = (55 \frac{\text{ft}}{\text{yr}})(3.54) = 194.7 \frac{\text{ft}}{\text{yr}}$$

WORK ASSIGNMENT NO. D004434-32

$$K = \frac{(194.7)(0.3)}{(0.00125)(365)}$$

$$\approx 128 \frac{\text{ft}}{\text{d}}$$

Prepared for:

New York State Department of Environmental Conservation
 Albany, New York

close match

Prepared by:

By recharge area
 say 2000' recharge area

MACTEC Engineering and Consulting, P.C.
 Portland, Maine

$$Q = KiA$$

$$Q_{flow} = K(0.00125)(1 \text{ ft})(90 \text{ ft})$$

$$= 0.0875 K$$

MACTEC: 3612092134

$$Q_{rech} = (2000')(1 \text{ ft})(2 \frac{\text{ft}}{\text{yr}})$$

$$= 4000 \text{ ft}^3/\text{yr} = 10.95 \frac{\text{ft}^3}{\text{d}}$$

APRIL 2011

$$K = \frac{10.95 \text{ ft}^3/\text{d}}{0.0875 \text{ ft}^2} = 125 \frac{\text{ft}}{\text{d}}$$

PLS
 4/6/11

APPENDIX C

SITE PHOTOGRAPHS

APPENDIX C:

PHOTOGRAPHIC DOCUMENTATION OF GENT UNIFORM REMEDIAL INVESTIGATION



Gent Uniform Site building, view looking to the northwest.



Gent Uniform Site building, view looking to the west.

APPENDIX C:

PHOTOGRAPHIC DOCUMENTATION OF GENT UNIFORM REMEDIAL INVESTIGATION



Active supply well SW-1 on the Gent Uniform property.



Unpaved area to the west of the Gent Uniform building.

APPENDIX C:

PHOTOGRAPHIC DOCUMENTATION OF GENT UNIFORM REMEDIAL INVESTIGATION



Supply well SW-3 located north of the Gent Uniform building.



The Range Rover property located south of the Gent Uniform facility.

APPENDIX D

SITE SURVEY

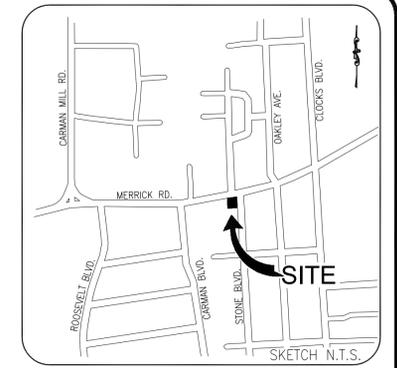
NYS RTE. 27A - MERRICK ROAD

SAMPLE TABLE

HORZ. DATUM: NAD 83(CORS) - NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE
 VERT. DATUM: NAVD 88
 UNITS: U.S. SURVEY FEET

POINT ID	NORTHING	EASTING	GROUND ELEV.	CASING ELEV.	RISER ELEV.
SW 1	183564.9	1142712.2	12.89	12.89	7.19
AS 5	183611.8	1142643.8	13.48	N/A	13.82
MW 1RR	183548.1	1142654.9	13.19	13.19	12.84
MW 2	183560.4	1142719.4	12.91	12.91	12.69
MW 2RR	183555.2	1142736.7	12.74	12.74	12.44
MW 3	183556.8	1142675.9	13.03	13.03	12.81
MW 3A	183560.7	1142680.5	13.16	13.16	13.05
MW 3B	183560.2	1142680.6	13.16	13.16	13.03
MW 3C	183559.7	1142680.6	13.16	13.16	12.95
MW 3D	183559.3	1142682.4	13.13	13.13	12.99
MW 4	183554.1	1142646.3	13.68	13.68	13.47
MW 4MM	183309.7	1142205.6	10.38	10.38	9.65
MW 5	183616.8	1142643.6	13.54	13.54	13.29
MW 5MM	183271.4	1142045.0	8.27	8.27	7.46
MW 6	183664.4	1142773.5	12.68	12.68	12.32
MW 7	183288.7	1142413.1	11.68	11.68	11.43
MW 8D	183322.6	1142602.0	13.51	13.51	13.08
MW 8I	183323.9	1142610.1	13.47	13.47	13.09
MW 8S	183325.0	1142616.5	13.41	13.41	13.06
MW 9	182988.5	1142488.8	11.09	11.09	10.70
MW 10	182839.9	1142366.7	9.74	9.74	9.36
MW 11	182521.4	1142173.0	6.85	6.85	6.62

*SW 1 WAS MEASURED DOWN TO THE TOP OF THE BLUE FLANGE
 **WELLS OUTSIDE OF MAPPING LIMIT



VICINITY MAP

SURVEY NOTES

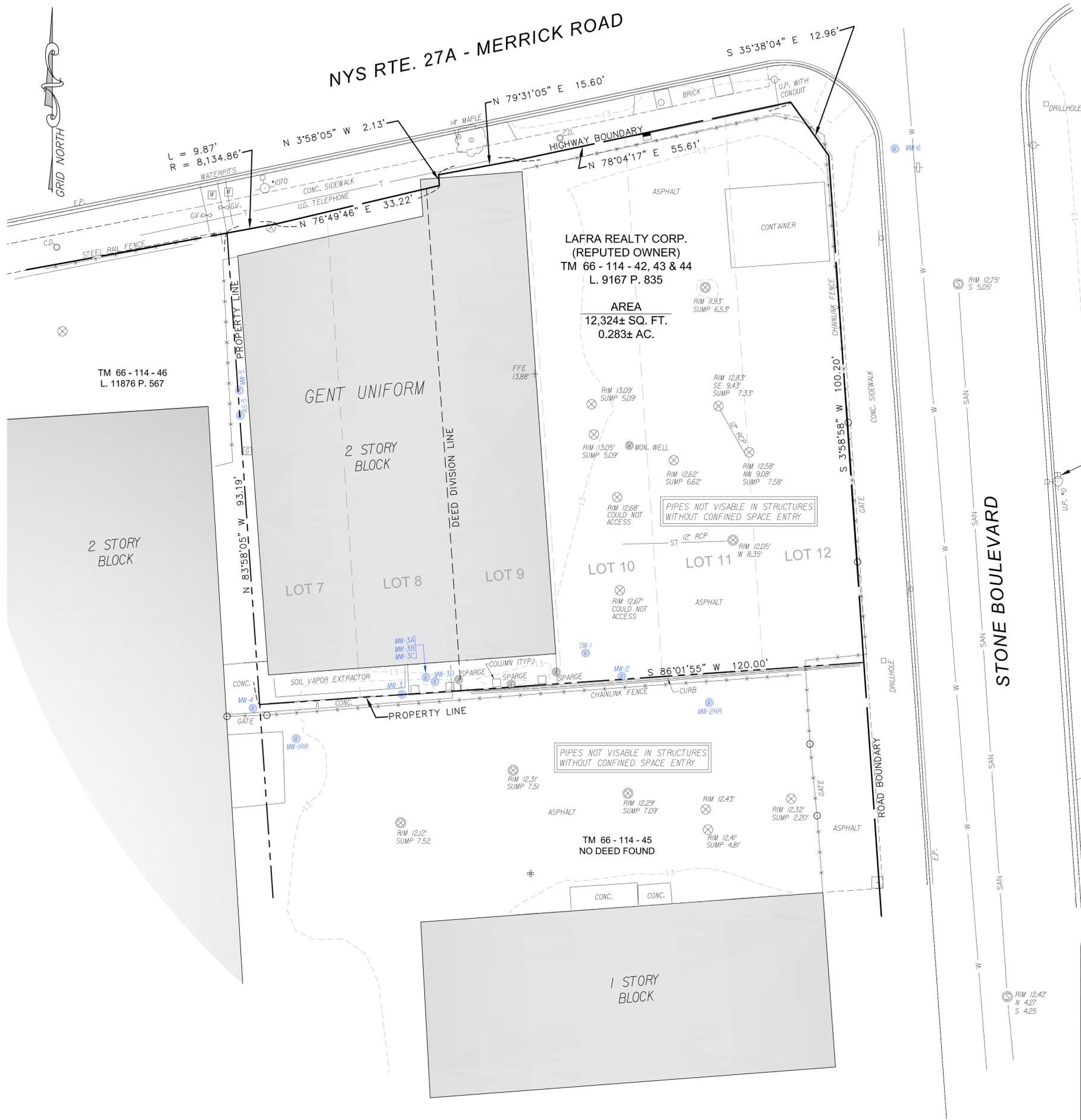
- COORDINATES ARE REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (CORS) - NEW YORK STATE PLANE COORDINATE SYSTEM, EAST ZONE.
- ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988.
- MAPPING UNITS ARE SHOWN IN U.S. SURVEY FEET.
- THE CONTOUR INTERVAL IS 1 FOOT.
- ALL UTILITIES SHOWN HEREON ARE APPROXIMATE. PRIOR TO EXCAVATION, DIG SAFE NEW YORK SHOULD BE CONTACTED AT 1-800-962-7962.

BOUNDARY REFERENCES

- DEED, FILED IN LIBER 11876 AT PAGE 567.
- DEED, FILED IN LIBER 9167 AT PAGE 835.
- DEED, FILED IN LIBER 11267 AT PAGE 667.
- DEED, FILED IN LIBER 11062 AT PAGE 373.
- DEED, FILED IN LIBER 9838 AT PAGE 126.
- DEED, FILED IN LIBER 11673 AT PAGE 486.
- DEED, FILED IN LIBER 11155 AT PAGE 496.
- MAP ENTITLED "POLO PARK", FILED MAY 26, 1926.

CERTIFICATION

WE, POPLI, ARCHITECTURE + ENGINEERING & L.S., P.C., HEREBY CERTIFY THAT THIS SURVEY AND MAP WAS PREPARED UNDER THE DIRECTION OF A LICENSED LAND SURVEYOR AND FROM THE NOTES OF AN INSTRUMENT SURVEY COMPLETED DECEMBER 17, 2009 AND THE REFERENCES LISTED HEREON. THIS SURVEY IS SUBJECT TO ANY EASEMENTS AND/OR ENCUMBRANCES AN UP-TO-DATE ABSTRACT OF TITLE MAY REVEAL, AS NONE WAS PROVIDED.



LEGEND

- MONITORING WELL
- DRAINAGE MANHOLE
- SANITARY SEWER MANHOLE
- SEWER CLEAN OUT
- WATER METER PIT
- WATER VALVE
- UTILITY POLE
- UTILITY POLE W/ LIGHT
- UNKNOWN VALVE
- GAS VALVE
- FIRST FLOOR ELEVATION

SURVEY BY: POPLI DESIGN GROUP		PREPARED FOR:	
SURVEYOR JOB NUMBER: 3280.14		SURVEY CREW: J. PHILLIPS, W. STRATTON	
DRAWN BY: J. PHILLIPS		CHECKED BY: M. VENTURO	
REVISIONS			

BOUNDARY & TOPOGRAPHIC MAP
 FOR THE
 NEW YORK STATE
 DEPT. OF ENVIRONMENTAL CONSERVATION
GENT UNIFORM SITE

Amityville, Town of Oyster Bay,
 County of Nassau, State of New York
 DATE: FEBRUARY 18, 2010
 SCALE: 1" = 10'
 SHEET: 1 OF 1

GENT UNIFORM
TOWN OF MASSEPEQUA, NASSAU COUNTY, NEW YORK

HORZ. DATUM: NAD 83(CORS) - NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE

VERT. DATUM: NAVD 88

UNITS: U.S. SURVEY FEET

POINT ID	NORTHING	EASTING	GROUND ELEV.	CASING ELEV.	RISER ELEV.
MW-12	182643.7	1142542.0	10.23	10.23	9.91
MW-13	182081.4	1142600.0	9.39	9.39	9.22
MW-14	182527.2	1141833.2	3.78	3.78	3.54
MW-15I	182401.2	1141908.9	4.16	4.16	3.97
MW-15S	182394.5	1141911.0	4.18	4.18	4.02
MW-16	182114.8	1141894.3	4.18	4.18	4.09

Survey Date:2/4/2011

APPENDIX E

FIELD DATA RECORDS

APPENDIX E-1

DIRECT PUSH GROUNDWATER DATA RECORDS

SOIL BORING LOG

Project Gentr Uniform Rental Service		Boring/Well No. BP-001	Project No. 3612092134	
Client NYSDEC	Site Town ofyster Bay, NY		Sheet No. 1 of 3	
Logged By B Shew	Ground Elevation Not Surveyed	Start Date 11-5-09	Finish Date 11-5-09	
Drilling Contractor Geology 2 NY	Driller's Name Scott Breeds		Rig Type 6620DT	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size /	Auger Size 3"
Soil Drilled 77'	Rock Drilled /	Total Depth 77'	Depth to Groundwater/Date 10.7' by (11/5/09)	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
0				Asphalt, ground surface				
5								
10	S ₁ P0850			10-12 (130056 GWC0110x) - 3V0AS purged ~ 900 ml, Lt orange, went dry. pH: 6.49 DO: 0.15 Turb: 7000. E/C: 0.665 Temp: 14.4 ORP: -17		PI D: 6.1		PP
15	S ₂ P0910			15-17 (130056 GWC0115x) - 3V0AS purged ~ 3000 ml; DK-Lt orange pH: 6.63 DO: 0.57 Turb: 958 E/C: 0.422 Temp: 15.9 ORP: -49		PI D: 0.1		PP
20	S ₃ P0910			20-22 (130056 GWC0120x) - 3V0AS purged ~ 3000 ml, Lt orange/Lt brown pH: 6.66 DO: 0.11 Turb: 71000 E/C: 0.417 Temp: 15.9 ORP: -86		PI D: 40.1		PP
25	S ₄ P0920			25-27 (130056 GWC0125x) - 3V0AS purged ~ 3000 ml, Lt brown, fine sand pH: 6.58 DO: 0.13 Turb: 71000 E/C: 0.536 Temp: 15.0 ORP: -45		PI D: 40.1		PP
30								



FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

J cte 3/18/11

SOIL BORING LOG

Project Gents uniform Rental Service		Boring/Well No. DP-01	Project No. 3612892134	
Client NYSDEC	Site Town of Oyster Bay, NY		Sheet No. 2 of 3	
Logged By B Shaw	Ground Elevation Not Surveyed	Start Date 11-5-09	Finish Date 11-5-09	
Drilling Contractor Geologic NY	Driller's Name Scott Breeds		Rig Type 6620DT	
Drilling Method Direct Push	Protection Level 1	P.I.D. (eV) 10	Casing Size —	Auger Size 2"
Soil Drilled 77'	Rock Drilled —	Total Depth 77'	Depth to Groundwater/Date 10.7' bgs (11/5/09)	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
30	S ₅ P0930			30-32 (130056 Gw00130X) - 3 VAS purged ~ 3000 ml, Lt Brown, cloudy PH: 6.50 DO: 0.22 Turb: 791 Etc: 0.540 Temp: 15.0 ORP: -40	PID: <0.1		ppm	
35	S ₆ P0940			35-37 (131056 Gw00135X) - 3 VAS purged ~ 3000 ml, Lt Brown, sandy PH: 6.54 DO: <0.1 Turb: >71000 Etc: 0.547 Temp: 14.2 ORP: -74	AD: 0.2		ppm	
40	S ₇ P0950			40-42 (130056 Gw00140X) - 3 VAS purged ~ 4000 ml, Lt olive/brown, silty PH: 6.54 DO: 0.21 Turb: >71000 Etc: 0.403 Temp: 14.3 ORP: -31	PID: <0.1		ppm	
45	S ₈ P1000			45-47 (130056 Gw00145X) - 3 VAS purged ~ 3000 ml, Lt Brown, silty PH: 6.84 DO: <0.1 Turb: 71000 Etc: 0.384 Temp: 14.5 ORP: -94	PID: <0.1		ppm	
50	S ₉ P1010			50-52 (130056 Gw00150X) - 6 VAS (Dup) purged ~ 4000 ml, Lt Brown, silty PH: 7.11 DO: <0.1 Turb: >71000 Etc: 0.281 Temp: 13.5 ORP: -179	PID: <0.1		ppm	
55	S ₁₀ P1030			55-57 (130056 Gw00155X) - 3 VAS purged ~ 2000 ml, DK Brown, v. silty PH: 7.41 DO: <0.1 Turb: >71000 Etc: 0.315 Temp: 15.1 ORP: -204	PID: <0.1		ppm	

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

Jcll 3/13/11

SOIL BORING LOG

Project Gent's Uniform Rental Service		Boring/Well No. SP-001	Project No. 3612092B4	
Client NYSDEC	Site Tamnet Oyster Bay, NY		Sheet No. 3 of 3	
Logged By BShaw	Ground Elevation Not Surveyed	Start Date 11-5-09	Finish Date 11-5-09	
Drilling Contractor Geologic M	Driller's Name Scott Breedy		Rig Type G620DT	
Drilling Method Direct Push	Protection Level 0	P.I.D. (eV) 10	Casing Size /	Auger Size ~2"
Soil Drilled 77'	Rock Drilled /	Total Depth 77'	Depth to Groundwater/Date 10.7' bgs (11/5/09)	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)			Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	Lab Tests	
66	S11 @ 1100.			60-62 (130056 Gwcc160X) - 3 VOA's purged ~2000 ml, v.silty, Sheen on pyrometry pH: 7.68 DO: <0.1 Turb: 71000 E/C: 0.231 Temp: 14.4 ORP: -230		PI D: 0.3			
65	S12 @ 1115			65-67 (130056 Gwcc165X) - 3 VOA's purged ~2000 ml, v.silty, Sheen/slight odor, BK brown pH: 7.87 DO: <0.1 Turb: 71000 E/C: 0.209 Temp: 15.1 ORP: -262		PI D: <0.1			
70	S13 @ 1135			70-72 (130056 Gwcc170X) - 3 VOA's purged ~3000 ml, silty, Brown to olive brown pH: 7.86 DO: <0.1 Turb: 71000 E/C: 0.249 Temp: 14.7 ORP: -250		PI D: <0.1			
75	S14 @ 1150.			75-77 (130056 Gwcc175X) - 3 VOA's purged ~3000 ml, DK olive, v.silty, Sheen, odor pH: 8.14 DO: <0.1 Turb: 71000 E/C: 0.244 Temp: 15.9 ORP: -372		PI D: <0.1			
80				* drilling got hard around 74' bgs, - did not encounter refusal					
85				@ 77' bgs.					
90									

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

I am 3/13/11

SOIL BORING LOG

Project Gen's Uniform Rental Service		Boring/Well No. DP-002	Project No. 3612092134/02.01		
Client NYSDEC		Site Town ofyster Bay, NY	Sheet No. 1 of 3		
Logged By BShaw		Ground Elevation Not surveyed	Start Date 11-02-09	Finish Date 11-3-09	
Drilling Contractor Geolog 12, NY		Driller's Name Scott Breeds		Rig Type 6620 DT.	
Drilling Method Direct Push		Protection Level D	P.I.D. (eV) 10.8	Casing Size /	Auger Size 2" /
Soil Drilled 90.5'	Rock Drilled /	Total Depth 90.5'	Depth to Groundwater/Date ~10.8' 9/	Piez <input type="checkbox"/>	Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/ Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)			Lab Tests ID Sample
						PI Meter	Field Scan	PI Meter Head Space	
0				Direct push using well slot sampling device - broke through asphalt, and soft dig to ~5'					
5	S1			5-7 → no sample, DTW is ~10' bgs					
10	S2 @ 1615			10-12 (1300566W00210X) 2 VAS @ 1615 → removed ~1000ml pH 6.34 DO 6.52 ORP 36 Etc 0.567 Temp 14.9 Turb 534					
15	S3 @ 1630			15-17 (1300566W00215X @ 1630) 3 VAS → removed ~2000ml pH 6.54 DO 0.25 ORP -62 Etc 0.484 Temp 15.9 Turb >1000					
20	S4 @ 1645			20-22 (1300566W00220X @ 1645) 3 VAS → purged ~3000ml pH 6.82 DO 1.96 ORP -132 Etc 0.379 Temp 14.8 Turb >1000					Light orange brown
25	S5 @ 1700			25-27 (1300566W00225X) 2 VAS → purged ~2000ml pH 6.98 DO 1.04 ORP -145 Etc 0.268 Temp 15.3 Turb >1000					

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

✓ CH 3/10/11

SOIL BORING LOG

Project Centr lowform Rental Service		Boring/Well No. DP002	Project No. 3612092134	
Client NYSDEC	Site Town of Oyster Bay, NY		Sheet No. 2 of 3	
Logged By B. Shew	Ground Elevation Not Surveyed	Start Date 11-2-09	Finish Date 11-3-09	
Drilling Contractor Geologic NY		Driller's Name Scott Breed	Rig Type G620BT	
Drilling Method Direct Push		Protection Level 8	P.I.D. (ey) 10.8	Casing Size 4
Soil Drilled 90.5'	Rock Drilled ✓	Total Depth 90.5'	Depth to Groundwater/Date ~10.8' 9/8 (11/2/09)	<input type="checkbox"/> Piez <input type="checkbox"/> Well <input checked="" type="checkbox"/> Boring

11/3 →

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)			Lab Tests ID Sample
						PI Meter	Field Scan	PI Meter Head Space	
30	S5 P1710			30-32' (130056 Gw00230X) - 3 VOA's w/ HCl - purged ~ 2000ml PH: 6.87 DO: 1.00 Turb: 954 E/C: 0.297 Temp: 15.2 ORP: -149					
35	S6 P1725			35-37' (130056 Gw00235X) - 3 VOA w/ HCl - purged 3000ml PH: 6.65 DO: 0.91 Turb: > 1000 E/C: 0.439 Temp: 15.4 ORP: -132					
40	S7 P0830			40-42' (130056 Gw00240X) w/ HCl - 3 VOA's - purged ~ 2 gallons → strong odor → PID: 5.8 ppm PH: 6.32 DO: 0.05 ORP: -55 E/C: 0.587 Temp: 13.3 Turb: 71000					
45	S8 P0855			45-47' (130056 Gw00245X) 3 VOA w/out HCl - purged ~ 3000ml → slight odor → PID: 4.6 ppm PH: 6.56 DO: 8.69 ORP: -89 E/C: 0.500 Temp: 13.7 Turb: 71000					
50	S9 P08910			50-52' (130056 Gw00250X) 3 VOA (no HCl); 2 gwc - purged ~ 3000ml → strong odor → PID: 8.5 ppm PH: 7.04 DO: 20.1 ORP: -177 E/C: 0.430 Temp: 13.2 Turb: 71000					
55	S10 P0935			55'-57' (130056 Gw00255X) 3 VOA w/ no HCl - purged ~ 3000ml, strong odor/large sheen on water - PID: 1.2 ppm PH: 7.20 DO: 5.65 ORP: -184 E/C: 0.236 Temp: 13.7 Turb: 71000					

MACTEC
511 Congress Street
Portland, ME 04101

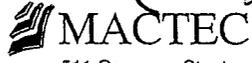
FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

✓ chd shew

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. SP-002	Project No. 3612042134
Client NYSDEC	Site Town of Oyster Bay, NY	Sheet No. 3 of 3	
Logged By BShaw	Ground Elevation Not Surveyed	Start Date 11-2-09	Finish Date 11-3-09
Drilling Contractor Geologic NY	Driller's Name Scott Breeds	Rig Type 6620 DT	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10.8	Casing Size / Auger Size ~2"
Soil Drilled 87'	Rock Drilled /	Total Depth 90.5'	Depth to Groundwater (Date) ~10.8' g3 (11/2/09)
		Piez <input type="checkbox"/>	Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
60-62	S11 @ 950			60-62 (130056GW0026X+D) 6 VOA purged ~300ml; PID: 1.3 ppm PH 7.36 DO 0.08 ORP -243 E/C 0.221 Temp 13.2 Turb 71000.				
65-67	S12 @ 1100			65-67 (130056GW00265X) 3 VOA PID: 1.6 ppm purged ~300ml; very turbid PH 7.71 DO 0.64 ORP -299 E/C 0.300 Temp 14.7 Turb 71000.				odor (olive) possibly salt (drilling got 'harder' @ ~65')
70-72	S13 @ 1120			70-72 (130056GW00270X) 3 VOA, 2 SVA v. large shear, ~400ml purged; v. turbid, olive, v. PH: 7.93 DO: 6.1 ORP: -375 E/C: 0.307 Temp: 15.7 Turb: 71000				Strong odor. PID: 9.7 ppm
75-77	S14 @ 1150			75-77 (130056GW00275X) 3 VOA Sheen on water, ~300ml purged, PID: 7.4 ppm PH: 7.74 DO: 6.1 ORP: 38 E/C: 0.627 Temp: 15.6 Turb: 71000.				olive, grey
80-82	S15 @ 1220			80-82 (130056GW00280X) 3 VOA ~400ml purged, slight odor; PID: 9.8 ppm PH: 8.17 DO: 4.1 ORP: -373 E/C: 0.250 Temp: 15.8 Turb: 71000				olive/grey
85-87	S16 @ 1310			85-87 (130056GW00285X+D) 3 VOA ~300ml purged, possibly product? - black spots + large shear PH: 8.9 DO: 4.1 ORP: -397 E/C: 0.281 Temp: 15.6 Turb: 71000.				

S17 @ 1330

 511 Congress Street
 Portland, ME 04101

88.5'-90.5' (130056GW00290X+D) ← refusal @ 90.5'
 ~1000ml purged, olive, sheen on water
 PH: 7.82 DO: 4.1 ORP: -328
 E/C: 0.321 Temp: 16.4 Turb: 71000

FIGURE 4-4
 SOIL BORING LOG
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

✓ can deliv

SOIL BORING LOG

Project Gent Uniform Rental Service		Boring/Well No. BP-003	Project No. 3612092134	
Client NYSDEC	Site Town of Oyster Bay, NY		Sheet No. 1 of 3	
Logged By BShaw	Ground Elevation Not Surveyed	Start Date 11-5-09	Finish Date 11-5-09	
Drilling Contractor Geologic, NY	Driller's Name Scott Breder		Rig Type 6620DT	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) /	Casing Size /	Auger Size ~2" II
Soil Drilled 72'	Rock Drilled /	Total Depth 72'	Depth to Groundwater/Date 10.3' bgs (11/5/09)	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
0				grass, -push slowly to ~12' bgs w/ will stop groundwater				
5				slightly denser.				
10	S ₁ (1340)			10-12 (1300566W00310X) - 3V0AS purged ~ 3000 ml, Lt orange, PH: 7.33 DO: 5.28 Turb: 503 E/C: 0.459 Temp: 15.0 ORP: -55				
15	S ₂ (1350)			15-17 (1300566W00315X) - 3V0AS purged ~ 3000 ml, Pale orange/Lt brown PH: 7.05 DO: 0.96 Turb: 503 → 244 E/C: 0.475 Temp: 15.3 ORP: -60				
20	S ₃ (1400)			20-22 (1300566W00320X (ms/ms)) - 3V0AS purged ~ 3000 ml, light orange/brown, cloudy 'clearish' PH: 6.93 DO: 0.75 Turb: 103 E/C: 0.491 Temp: 14.9 ORP: -61				
25	S ₄ (1410)			25-27 (1300566W00325X) - 3V0AS purged ~ 3000 ml, Lt Brown, salty PH: 6.70 DO: 0.24 Turb: 7000 E/C: 0.507 Temp: 14.7 ORP: -58				
30								

↓ core 31811

SOIL BORING LOG

Project Cents Uniform Rental Service		Boring/Well No. DP-003	Project No. 3612092134	
Client NYSDEC	Site Town of Oyster Bay, NY		Sheet No. 2 of 3	
Logged By B Shew	Ground Elevation Not Surveyed	Start Date 11-5-09	Finish Date 11-5-09	
Drilling Contractor Geologic, NY	Driller's Name Scott Breeders	Rig Type 6620DT		
Drilling Method Direct RSL	Protection Level 1	P.I.D. (eV) /	Casing Size /	Auger Size 2"
Soil Drilled 72'	Rock Drilled /	Total Depth 72'	Depth to Groundwater/Date 10.3' hys (11/5/09)	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
30	S ₅ @ 1420			30-32 (130056GW00330X) - 3VDA Purged ~ 3000 ml, Lt Brown, fine sand pH: 6.72 DO: <0.1 Turb: >1000 E/c: 0.349 Temp: 14.9 ORP: -77				
35	S ₆ @ 1430			35-37 (130056GW00335X) - 3VDA Purged ~ 3000 ml, Lt Brown, silty pH: 6.99 DO: <0.1 ORP: -119 E/c: 0.323 Temp: 14.0 Turb: >1000				
40	S ₇ @ 1440			40-42 (130056GW00340X) - 3VDA Purged ~ 3000 ml, Lt Brown, silty/sandy pH: 7.44 DO: <0.1 ORP: -176 E/c: 0.278 Temp: 14.4 Turb: >1000				
45	S ₈ @ 1450			45-47 (130056GW00345X) - 3VDA Purged ~ 4000 ml, Lt Brown pH: 7.55 DO: 0.18 ORP: -163 E/c: 0.151 Temp: 14.1 Turb: >1000				
50	S ₉ @ 1505			50-55 (130056GW00350X) - 3VDA Purged ~ 3000 ml, Lt Brown, silty pH: 7.32 DO: <0.1 ORP: -144 E/c: 0.123 Temp: 13.5 Turb: >1000				
55	S ₁₀ @ 1515			55-57 (130056GW00355X) - 3VDA Purged ~ 3000 ml, Lt grey, fine sand pH: 6.96 DO: 0.40 ORP: -64 E/c: 0.070 Temp: 13.0 Turb: <1000				

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

↓ core drilled

SOIL BORING LOG

Project Gent's Uniform Rental Service		Boring/Well No. DP-603	Project No. 7612092134	
Client M/SDEL		Site Town of Oyster Bay	Sheet No. 3 of 3	
Logged By B Shaw		Ground Elevation Not Surveyed	Start Date 11-5-09	Finish Date 11-5-09
Drilling Contractor Geologic, NY		Driller's Name Scott Breeds	Rig Type 6620 DT	
Drilling Method Direct Push		Protection Level 1	P.I.D. (eV) /	Casing Size /
Soil Drilled ~72'	Rock Drilled /	Total Depth ~72'	Depth to Groundwater/Date 10.3' bgs (11/5/09)	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
60	S ₁₁ @ 1520			66-62 (130056 Gw00360X) - 3 VOA's purged ~3000 ml, Lt brown, sandy PH = 6.82 DO = <0.1 ORP = -67 ETC = 0.074 Temp = 13.1 Turb = >1000.				
65	S ₁₂ @ 1530			65-67 (130056 Gw00365X) - 3 VOA's purged ~3000 ml, DK olive, v. silty.				
70	S ₁₃ @ 1545			70-72 (130056 Gw00370X) - 3 VOA's purged ~1500 ml, v. silty DK olive/DK grey				
75				*drilling got hard ~66'; very hard @ ~70'; stopped @ 72' bgs; -did not encounter refusal.				

MACTEC
 511 Congress Street
 Portland, ME 04101

FIGURE 4-4
 SOIL BORING LOG
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

John Zibelli

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-004	Project No. 3612092134	
Client NSDEC	Site Town of Oyster Bay, NY		Sheet No. 1 of 3	
Logged By B Shaw	Ground Elevation Not Surveyed	Start Date 11-4-09	Finish Date 11-4-09	
Drilling Contractor Geologic NY		Driller's Name Scott Breeds	Rig Type 6620 DT	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size —	Auger Size 1.1
Soil Drilled 87'	Rock Drilled —	Total Depth 87'	Depth to Groundwater/Date -9.6 (11/4/09)	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/10' Core Rec. Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
0				Soft dry surface soil to ~5' bgs Soils appear to be similar + similar to that of DP-5, preceding of boring.				
5				DTW @ 9.6' gs				
10	S ₁ @ 230			10-12 (130056 GWOOT10X) - 3VAT purg'd ~400 ml, light orange, PH: 5.96 DO: 3.74 Turb: 356 E/C: 0.428 Temp: 13.8 ORP: 51		PI: 40.1	ppm	
15	S ₂ @ 120			15-17 (130056 GWOOT15X) - 3VAT purg'd ~300 ml, light orange, PH: 6.18 DO: 2.00 Turb: 71000 E/C: 0.478 Temp: 14.1 ORP: -38		PI: 40.1	ppm	
20	S ₃ @ 150			20-22 (130056 GWOOT20X) - 3VAT purg'd ~300 ml; dk orange, water, fine sand PH: 6.31 DO: 0.70 Turb: 71000 E/C: 0.454 Temp: 13.5 ORP: -67		PI: <0.1	ppm	
25	S ₄ @ 100			25-27 (130056 GWOOT25X) - 3VAT purg'd ~300 ml, light orange/brown, some fine sand PH: 6.43 DO: 0.37 Turb: 71000 E/C: 0.361 Temp: 13.2 ORP: -66		PI: 0.3	ppm	
30								

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

✓ CAC 3/18/11

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring Well No. DP-004	Project No. 3612892134	
Client NYSDEC	Site Town of Oyster Bay, NY	Sheet No. 2 of 3		
Logged By B Shaw	Ground Elevation Not Surveyed	Start Date 11-4-09	Finish Date 11-4-09	
Drilling Contractor Gedogro NY	Driller's Name Scott Breeds	Rig Type 6620 DT		
Drilling Method Direct Push	Protection Level 1	P.I.D. (eV) 10	Casing Size /	Auger Size 2"
Soil Drilled 87'	Rock Drilled /	Total Depth 87'	Depth to Groundwater/Date 9.6 (1/4/09)	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Ft. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
30	S5 @ 1310	NA		30-32 (130056 Gw00430X) - 3V0AT purged ~300 ml, Lt Brown, Sandy pH: 6.59 DO: 0.20 Turb: 7100 E/C: 0.255 Temp: 12.6 ORP: -98		PI: 0.1		ppm
35	S6 @ 1320			35-37 (130056 Gw00435X) - 3V0AT purged ~400 ml, Lt Brown, Sandy, Light grey silt		PI: 0.1		ppm
40	S7 @ 1330			40-42 (130056 Gw00440X) - 3V0AT purged ~400 ml, Lt grey silty brown		PI: 0.1		ppm
45	S8 @ 1345			45-47 (130056 Gw00445X) purged ~400 ml, Light Brown		PI: 0.3		ppm
50	S9 @ 1355			50-52 (130056 Gw00450X) - 6V0AT purged ~400 ml, Light grey Brown		PI: 0.2		ppm
55	S10 @ 1405			55-57 (130056 Gw00455X) - 3V0AT purged ~400 ml, Lt grey Brown, slight silt		PI: 0.9		ppm
60								

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

✓ CCL 3/18/11

SOIL BORING LOG

Project Gents uniform Rental Service		Boring/Well No. DP-004	Project No. 3612092134	
Client NYSDEC		Site Town of Oyster Bay, NY	Sheet No. 3 of 3	
Logged By B Shaw		Ground Elevation not surveyed	Start Date 11-4-09	Finish Date 11-4-09
Drilling Contractor Geologic NY		Driller's Name Scott Breeds		Rig Type 6620 DT
Drilling Method Direct Push		Protection Level D	P.I.D. (eV) 10	Casing Size 2"
Soil Drilled 87'	Rock Drilled —	Total Depth 87'	Depth to Groundwater/Date 9.6 (11/4/09)	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter	Field Scan	
						PI Meter Head Space		
60	S11 (1420)			60-62 (130056GW0460X) - 3 VOA purged ~2000 ml, lt olive/grey, silty PH: 6.88 DO: 20.1 Turb: 71000 E/C: 0.125 Temp: 12.9 ORP: -151	PID	0.8	ppm	
65	S12 (1435)			65-67 (130056GW0465X) - 3 VOA purged ~400 ml, purge water is white to lt grey PH: 6.72 DO: 1.19 Turb: 934 E/C: 0.119 Temp: 12.9 ORP: -114	PID	0.4	ppm	
70	S13 (1445)			70-72 (130056GW0470X) - 3 VOA purged ~400 ml, purge water white PH: 6.59 DO: 1.79 Turb: 419 E/C: 0.218 Temp: 12.9 ORP: -111	PID	20.1	ppm	
75	S14 (1505)			75-77 (130056GW0475X) - 3 VOA purged ~400 ml, cloudy lt grey, small stones PH: 6.54 DO: 1.24 Turb: 580 E/C: 0.326 Temp: 12.6 ORP: -125	PID	40.1	ppm	
80	S15 (1515)			80-82 (130056GW0480X) - 6 VOA purged ~400 ml, cloudy, lt grey PH: 6.68 DO: 1.59 Turb: 107 E/C: 0.224 Temp: 11.7 ORP: -117	PID	20.1	ppm	
85	S16 (1545)			85-87 (130056GW0485X) - 3 VOA purged ~500 ml, cloudy, lt grey PH: 6.56 DO: 2.76 ORP: -92 E/C: 0.207 Temp: 11.6 Turb: 55.6	PID	40.1	ppm	
90	S17 (NA)			90-92				

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

✓ etc 3/10/11

SOIL BORING LOG

Project Gent Uniform Rental Service		Boring/Well No. DP-005	Project No. 3612092134	
Client NYSDEC	Site Town of Oyster Bay, NY	Sheet No. 1 of 3		
Logged By B Shaw	Ground Elevation Not Surveyed	Start Date 11-3-09	Finish Date 11-4-09	
Drilling Contractor Geologic, NY	Driller's Name Scott Breeds	Rig Type 6628 DT		
Drilling Method Direct Push	Protection Level D	P.I.D. (ex) 10'	Casing Size /	Auger Size 12"
Soil Drilled Q2	Rock Drilled /	Total Depth 92'	Depth to Groundwater/Date 8.4' bgs (11/3/09)	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
0				Soft dry hole to ~5.5' bgs; clear - no utilities DK brown to reddish brown to yellow brown m-course sand, some fragments brick filled hole				
5	S1							
10	S1 @ 1550			10'-12' - (130056GW00510X) - 3 VOAS purged ~3000ml, light orange pH: 6.96 DO: 1.68 ORP: -43 EC: 0.490 Temp: 16.1 Turb: 392				
15	S2 @ 1600			15'-17' - (130056GW00515X) - 3 VOAS purged ~3000ml, DK orange pH: 7.03 DO: <0.1 ORP: -136 EC: 0.334 Temp: 15.5 Turb: >1000				
20	S3 @ 1610			20'-22' - (130056GW0051620X/MS(MD)) - 9 VOAS purged 4000ml, slight odor, light orange pH: 6.84 DO: 0.50 ORP: -83 EC: 0.342 Temp: 14.9 Turb: >1000				
25	S4 @ 1620			25'-27' - (130056GW00525X) 3 VOAS purged ~3000ml, DK orange, slight odor pH: 6.85 DO: 0.42 ORP: -79 EC: 0.493 Temp: 14.7 Turb: DK >1000				
30								

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. UP-005	Project No. 3612092134	
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 2 of 3	
Logged By B Shew	Ground Elevation Not Surveyed	Start Date 11-3-09	Finish Date 11/4/09	
Drilling Contractor Geologic, NY	Driller's Name Scott Breeds		Rig Type 6620 BT	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size /	Auger Size 2
Soil Drilled 92'	Rock Drilled /	Total Depth 92'	Depth to Groundwater/Date 8.4 (11/3/09)	
			Piez <input type="checkbox"/>	Well <input type="checkbox"/>
			Boring <input checked="" type="checkbox"/>	

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)			Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space		
30	S5 @ 1630			30'-32' (130056GW00530X) - 3 VVAs DK Orange, purged ~ 4000ml, PH: 7.17 DO: <0.1 ORP: -161 E/C: 0.316 Temp: 14.5 Turb > 1000					
35	S6 @ 1635			35'-37' (130056GW00535X) - 3 VVAs Lt Brown, purged ~ 4000ml, slight odor PH: 6.94 DO: <0.1 Turb > 1000 E/C: 0.214 Temp: 14.4 ORP: -91					
40	S7 @ 1645			40'-42' (130056GW00540X) - 3 VVAs DK Brown, purged ~ 3000ml, slight odor PH: 6.93 DO: <0.1 Turb > 1000 E/C: 0.104 Temp: 14.4 ORP: -92					
45	S8 @ 1655			45'-47' (130056GW00545X) - 3 VVAs DK Brown/Silts; purged ~ 3000ml, slight odor PH: 6.84 DO: 0.51 Turb > 1000 E/C: 0.103 Temp: 14.6 ORP: -99					
50	S9 @ 0810			50'-52' (130056GW00550X) - 9 VVAs Purged ~ 6000ml, DK Brown PH: 6.37 DO: <0.1 Turb: > 1000 E/C: 0.168 Temp: 13.8 ORP: -131				PID: 0.20ppm	
55	S10 @ 0825			55'-57' (130056GW00555X) 3 VVAs Purged ~ 4000ml, DE olive/brown, PID: <0.1 ppm PH: 6.55 DO: <0.1 Turb: > 1000 E/C: 0.095 Temp: 13.8 ORP: -139					

(11/A) →



FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

J car 3/19/14

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-005	Project No. 3612092134	
Client NYSDEC		Site Town of Oyster Bay, NY		Sheet No. 3 of 3
Logged By B Shaw	Ground Elevation Not Surveyed	Start Date 11-3-09	Finish Date 11-4-09	
Drilling Contractor Geologiz NY	Driller's Name Scott Breeds		Rig Type 6620 DT	
Drilling Method Direct Push	Protection Level 0	P.I.D. (eV) 10	Casing Size ---	Auger Size ~ 2"
Soil Drilled 92'	Rock Drilled ---	Total Depth 92'	Depth to Groundwater/Date ~ 8.4' (11/3/09)	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/ Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
60	S11 @ 0840			60-62 (130056GW00560X) - 3 VBS Purged ~ 4000ml, DK greyish/white, PID: 8.1 ppm PH: 6.59 DO: <0.1 Turb: 71000 E/C: 0.091 Temp: 13.9 ORP: -142				
65	S12 @ 0905			65-67 (130056GW00565X) - 3 VBS Purged ~ 4000ml, Lt grey purgenator, PID: <0.1 ppm PH: 6.39 DO: 0.52 Turb: 958 E/C: 0.068 Temp: 14.0 ORP: -45				
70	S13 @ 0920			70-72 (130056GW00570X) Purged ~ 4000ml, slight odor - naphthalene-like, PID: 1.4 ppm PH: 6.41 DO: <0.1 Turb: >10000 E/C: 0.078 Temp: 14.0 ORP: -85				yellow brown
75	S14 @ 0935			75-80 (130056GW00575X) - 3 VBS Purged ~ 13000ml, DK brownish, PID: 1.8 ppm PH: 6.51 DO: <0.1 Turb: >10000 E/C: 0.087 Temp: 14.8 ORP: -124				
80	S15 @ 0945			80-82 (130056GW00580X) 3 VBS Purged ~ 3000ml, DK brown, PID: <0.1 ppm PH: 6.53 DO: <0.1 Turb: >10000 E/C: 0.092 Temp: 15.0 ORP: -140				
85	S16 @ 1000			85-87 (130056GW00585X) 3 VBS Purged ~ 3000ml, silty w/ no fine sand, PID: 0.2 ppm PH: 6.77 DO: <0.1 Turb: 71000 E/C: 0.103 Temp: 15.4 ORP: -179				

	(1010)								
90-92 (130056GW00590X) 3 VBS		Purged ~ 3000ml, Lt brown/olive, silty		PID: 0.3 ppm		PH: 6.59 DO: <0.1 Turb: 75000		E/C: 0.102 Temp: 15.4 ORP: -122	

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

BOB @ 92' (no refusal)

✓ cur 3/10/14

SOIL BORING LOG

Project Gent's Uniform Rental Service		Boring/Well No. 18-006	Project No. 3612092134	
Client NYSDEC	Site Town of Oyster Bay, NY		Sheet No. 1 of 3	
Logged By Bshaw	Ground Elevation Not Surveyed	Start Date 11-6-04	Finish Date 11-6-04	
Drilling Contractor Geologic NY	Driller's Name Scott Breeds		Rig Type 662DT	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size /	Auger Size ~2"
Soil Drilled 72'	Rock Drilled /	Total Depth 72'	Depth to Groundwater 8.5' bgs (11/6/04)	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
0				grass;				
5				punched millerot sampler to 12' bgs				
10				10-12 (130056 Gw00610X) - 3VATS purged ~3000 ml, light orange brown pH: 6.03 DO: 2.20 Turb: 901 E/c: 0.269 Temp: 10.9 DRP: 80				PI D: 401 pp
15	S1 (A) 0810			15-17 (130056 Gw00615X) - 3VATS purged ~4000 ml, Lt Brown pH: 6.64 DO: 2.01 Turb: 7100 E/c: 0.214 Temp: 12.3 DRP: -38				DR D: 0.2 pp
20	S2 (A) 0820			20-22 (130056 Gw00620X (mstms)) - 3VATS purged ~5000 ml, lt pale brown pH: 6.74 DO: 0.80 Turb: 118 E/c: 0.169 Temp: 12.1 DRP: -26				PI D: 401 pp
25	S3 (A) 0830			25-27 (130056 Gw00625X) - 3VATS purged ~3000 ml, Lt Brown pH: 7.06 DO: 0.83 Turb: 136 E/c: 0.088 Temp: 12.2 DRP: -43				PI P: 401 pp

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

✓ CMC 3/18/11

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. 09-006	Project No. 3612092134
Client NYSDEC	Site Town ofyster Bay, NY	Sheet No. 2 of 3	
Logged By B Shaw	Ground Elevation Not Surveyed	Start Date 11-6-09	Finish Date 11-6-09
Drilling Contractor Geologic, NY	Driller's Name Scott Breeds	Rig Type 6620 DT	
Drilling Method Direct Push	Protection Level 0	P.I.D. (eV) 10	Casing Size 2 1/2"
Soil Drilled 72'	Rock Drilled /	Total Depth 72'	Depth to Groundwater/Date ~ 8.5'gs (11/6/09)
		Piez <input type="checkbox"/>	Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
30	S5 (P0840)			30-32 (131056 Gw00630X) - 3V0AS purged ~ 400 ml; Lt Brown pH: 6.72 DO: 1.11 ORP: 4 E/C: 0.062 Temp: 12.9 Turb: 167	PI D	< 0.1	ppm	
35	S6 (P0850)			35-37 (130056 Gw00635X) - 3V0AS purged ~ 300 ml; Lt Brown, silty, fine sand pH: 6.54 DO: 0.41 Turb: 844 E/C: 0.061 Temp: 13.2 ORP: -5	PI D	< 0.1	ppm	
40	S7 (P0900)			40-42 (130056 Gw00640X) - 3V0AS purged ~ 300 ml; Brown, silty pH: 6.45 DO: 0.21 Turb: 17000 E/C: 0.059 Temp: 11.7 ORP: -15	PI D	< 0.1	ppm	
45	S8 (P0910)			45-47 (131056 Gw00645X) - 3V0AS purged ~ 300 ml; Brown, silty pH: 6.40 DO: 2.01 ORP: -13 E/C: 0.056 Temp: 12.4 Turb: 7000	PI D	< 0.1	ppm	
50	S9 (P0920)			50-52 (130056 Gw00650X / MS (PID)) - 9V0AS purged ~ 400 ml; Lt Brown, sandy pH: 6.51 DO: 2.01 ORP: -29 E/C: 0.060 Temp: 11.5 Turb: 71000, PI D: 20.1	PI D	20.1	ppm	
55	S10 (P0930)			55-57 (131056 Gw00655X) - 3V0AS purged ~ 300 ml; lt grey, sandy pH: 6.38 DO: 0.25 Turb: 98 E/C: 0.051 Temp: 11.9 ORP: 4	PI D	20.1	ppm	

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

↓ core 310/11

SOIL BORING LOG

Project: Gents Uniform Rental Service		Boring/Well No.: SP-006	Project No.: 362092134	
Client: NYSDEC	Site: Town of BOSTON, NY		Sheet No. 3 of 3	
Logged By: B Snow	Ground Elevation: Not Surveyed	Start Date: 11-6-09	Finish Date: 11-6-09	
Drilling Contractor: Geologic NY	Driller's Name: Scott Breeds		Rig Type: 6620 DT	
Drilling Method: Direct Push	Protection Level: 0	P.I.D. (eV): 10	Casing Size: 1	Auger Size: 2
Soil Drilled: 72'	Rock Drilled: /	Total Depth: 72'	Depth to Groundwater/Date: ~8.5 bgs (11/6/09)	Piez: <input type="checkbox"/> Well: <input type="checkbox"/> Boring: <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)			Lab Tests ID Sample	
						PI Meter Field Scan	PI Meter Head Space	Lab Tests		
66	S11 @ 0940			66-62 (130056 GWD0660X) - 3 VOA's purged ~ 3000 ml; light grey/white pH = 6.38 DO = 1.25 Turb = 209 E/c = 0.090 Temp = 12.5 ORP = 14	Study					
65	S12 @ 0955			65-67 (130056 GWD0665X) - 3 VOA's purged ~ 3000 ml, Lt olive grey; some silt pH = 6.49 DO = 0.32 Turb = > 1000 E/c = 0.056 Temp = 12.7 ORP = -32						
70	S13 @ 1010			70-72 (130056 GWD0670X) - 3 VOA's purged ~ 3000 ml; olive brown, silt pH = 6.60 DO = 20.1 Turb = > 1000 E/c = 0.061 Temp = 12.9 ORP = -121						
75				Drilling got tight @ ~ 69' bgs - did not encounter refusal @ 72';						

↓ core 3/18/14

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-7	Project No. 3612092134	
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 1	of 3
Logged By B. Shaw	Ground Elevation Not Surveyed	Start Date 12-1-09	Finish Date 12-2-09	
Drilling Contractor Geologic, NY		Driller's Name Scott Breeds	Rig Type 6620 DT	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size /	Auger Size 2"
Soil Drilled 77'	Rock Drilled /	Total Depth 77'	Depth to Groundwater/Date NA	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
0				pushed ml slot gr sampler to ~12' by ss				
10-12	S ₁ @ 1555			130056 GWD0710X; 3 VOA purged ~ 3000 ml; al: d less PH: 6.31 DO: 6.51 Turb: 28.2 E/C: 0.192 Temp: 11.70 ORP: 37	PI D	< 0.1	ppm	
15-17	S ₂ @ 1605			130056 GWD0715X; 3 VOA purged ~ 3000 ml; Lt orange/ish Bron	PI D	0.1	ppm	
20-22	S ₃ @ 1615			130056 GWD0720X; 3 VOA purged ~ 3000 ml; Lt orange/ish Bron	PI D	0.1	ppm	
25-27	S ₄ @ 1625			130056 GWD0725X; 3 VOA purged ~ 3000 ml; Lt olive bron	PI D	< 0.1	ppm	
30-32	S ₅ @ 1635			130056 GWD0730X; 3 VOA purged ~ 3000 ml; Lt Bron	PI D	0.3	ppm	



FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

✓ CML 3/18/11

SOIL BORING LOG

Project Gents uniform Rental Service		Boring/Well No. DP-7	Project No. 3612092134
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 2 of 3
Logged By B. Shaw	Ground Elevation Not Surveyed	Start Date 12-1-09	Finish Date 12-2-09
Drilling Contractor Geologic, NY	Driller's Name Scott Breeds	Rig Type 6620DT	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size 2" Auger Size 2"
Soil Drilled 77'	Rock Drilled ---	Total Depth 77'	Depth to Groundwater/Date NA
		Piez <input type="checkbox"/>	Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Ended
12-1-09
→
Started
12-2-09

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/FL)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
35	S ₆ p	1640		35-37: 130056 GW00735X; 3 VBAT purged ~300ml; Lt Brown pH: 6.82 DO: 2.44 Turb: 71000 E/C: 0.543 Temp: 12.46 ORP: -149		PID: <0.1		
40	S ₇ p	1650		40-42: 130056 GW00740X/mf/nd; 9 VBAT purged ~400ml; Lt Brown pH: 6.86 DO: 2.93 Turb: 71000 E/C: 0.546 Temp: 11.92 ORP: -140		PID: 0.2		ppm
45	S ₈ p	1700		45-47: 130056 GW00745X; 3 VBAT purged ~300ml; Lt Brown pH: 7.25 DO: 3.21 Turb: 71000 E/C: 0.533 Temp: 12.60 ORP: -229		PID: 0.1		ppm
50	S ₉ p	0810		50-52: 130056 GW00750X; 3 VBAT purged ~500ml; Lt olive brn pH: 6.66 DO: 4.00 Turb: 71000 E/C: 0.216 Temp: 10.44 ORP: -128		PID: 0.2		ppm
55	S ₁₀ p	0825		55-57: 130056 GW00755X/D; 6 VBAT purged ~400ml; Lt olive brn pH: 6.87 DO: 2.57 Turb: 71000 E/C: 0.096 Temp: 11.49 ORP: -221		PID: 0.2		ppm
60	S ₁₁ p	0835		60-62: 130056 GW00760X; 3 VBAT purged ~1500ml; dk greyish olive, v. silty pH: 7.26 DO: 1.97 Turb: 71000 E/C: 0.120 Temp: 10.71 ORP: -353		PID: 0.3		ppm

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

SOIL BORING LOG

Project Gents Uniform Rental Semie		Boring/Well No. DP-7	Project No. 3612092134	
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 3	of 3
Logged By B. Shein	Ground Elevation Not Surveyed	Start Date 12-1-09	Finish Date 12-2-09	
Drilling Contractor Geologic, NY	Driller's Name Scott Breeds	Rig Type 6620DT.		
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size /	Auger Size ~2"
Soil Drilled ~77	Rock Drilled /	Total Depth ~77	Depth to Groundwater/Date NA	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		
						PI Meter Field Scan	PI Meter Head Space	Lab Tests ID Sample
65	S ₁₂ @ 0845			65-67 = 130566W00765X; 3 VENT purged ~ 500 ml; DK gray to blue; v. silty. pH: 7.49 DO: 1.69 Turb: >1000 EIC: 0.158 Temp: 10.92 ORP: -454		PID: 0.6	ppm	
70	S ₁₃ @ 0905			70-72 = 130566W00770X; 3 VENT purged ~ 500 ml; DK grayish olive, silty pH: 7.53 DO: 1.80 Turb: 71000 EIC: 0.160 Temp: 11.31 ORP: -496		PID: 0.5	ppm	
75	S ₁₄ @ 0915			75-77 = 130566W00775X; 3 VENT purged ~ 500 ml; DK gray; v. silty. pH: 7.57 DO: 2.16 Turb: 71000 EIC: 0.157 Temp: 12.29 ORP: -527		PID: 0.5	ppm	
80	S ₁₅ @			PH: _____ DO: _____ Turb: _____ EIC: _____ Temp: _____ ORP: _____		PID: _____	ppm	
85	S ₁₆ @			PH: _____ DO: _____ Turb: _____ EIC: _____ Temp: _____ ORP: _____		PID: _____	ppm	
90	S ₁₇ @			PH: _____ DO: _____ Turb: _____ EIC: _____ Temp: _____ ORP: _____		PID: _____	ppm	

MACTEC
 511 Congress Steet
 Portland, ME 04101

FIGURE 4-4
 SOIL BORING LOG
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

Scott Shein

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-8	Project No. 3612092134
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 1 of 3
Logged By B. Shaw	Ground Elevation Not Surveyed	Start Date 12-1-09	Finish Date 12-1-09
Drilling Contractor Geologic, NY	Driller's Name Scott Breeds	Rig Type 6620 BT	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size 2" Auger Size 2"
Soil Drilled 81'	Rock Drilled —	Total Depth 81'	Depth to Groundwater/Date NA
		Piez <input type="checkbox"/>	Well <input type="checkbox"/>
		Boring <input checked="" type="checkbox"/>	

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6' or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
				Pushed to ~12' by a molliet Gw sampling device				
10-12	S ₁ p 0930			130056GW0810X, 3 VDAT purged ~4000ml, colorless PH: 6.46 DO: 5.72 Turb: 8.25 E/C: 0.477 Temp: 11.97 ORP: 34	PID	0.6	ppm	
15-17	S ₂ p 0940			130056GW0815X, 3 VDAT purged ~3000ml; Lt brown PH: 6.62 DO: 3.77 Turb: 786 E/C: 0.634 Temp: 13.03 ORP: -60	PID	0.3	ppm	
20-22	S ₃ p 0950			130056GW0820X, 3 VDAT purged ~3000ml; Lt greyish brown PH: 6.59 DO: 3.51 Turb: 71000 E/C: 0.734 Temp: 12.81 ORP: -68	PID	0.2	ppm	
25-27	S ₄ p 1000			130056GW0825X, 3 VDAT purged ~3000ml; Lt olive brown PH: 6.59 DO: 3.38 Turb: 71000 E/C: 0.465 Temp: 12.83 ORP: -93	PID	0.2	ppm	
30-32	S ₅ p 1010			130056GW0830X, 3 VDAT purged ~3000ml; Lt brown, fine sand PH: 6.89 DO: 3.02 Turb: 71000 E/C: 0.462 Temp: 12.74 ORP: -181	PID	0.1	ppm	

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-8	Project No. 3612092134
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 2 of 3
Logged By B. Shaw	Ground Elevation Not Surveyed	Start Date 12-1-09	Finish Date 12-1-09
Drilling Contractor Geologic, NY	Driller's Name Scott Brooks	Rig Type 6620 DT	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size / Auger Size -2 1/2"
Soil Drilled 87'	Rock Drilled /	Total Depth 87'	Depth to Groundwater/Date N/A. <input type="checkbox"/> Piez <input type="checkbox"/> Well <input checked="" type="checkbox"/> Boring

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
35	S ₆ @ 1015			35-37: 130056 Gw00835; 3 VDATs purged ~ 3000 ml; Lt Brn PH: 7.13 DO: 3.16 Turb: >1000 E/C: 0.579 Temp: 12.76 ORP: -174	AW	0.1	ppm	
40	S ₇ @ 1025			40-42: 130056 Gw00840X; 3 VDATs purged ~ 3000 ml; Lt Brn PH: 7.19 DO: 2.89 Turb: >1000 E/C: 0.454 Temp: 12.57 ORP: -190	PIB	0.4	ppm	
45	S ₈ @ 1035			45-47: 130056 Gw00845X; 3 VDATs purged ~ 3000 ml; Lt Brn PH: 7.02 DO: 2.85 Turb: >1000 E/C: 0.146 Temp: 11.29 ORP: -154	PIB	0.1	ppm	
50	S ₉ @ 1145			50-52: 130056 Gw00850X; 1 VDAT purged ~ 4000 ml; Lt Brn, much fine grey sand PH: 7.00 DO: 2.33 Turb: >1000 E/C: 0.081 Temp: 11.24 ORP: -209	PIB	0.2	ppm	
55	S ₁₀ @ 1055			55-57: 130056 Gw00855X; 3 VDATs purged ~ 3000 ml; Lt brn, much fine sand PH: 6.77 DO: 2.38 Turb: >1000 E/C: 0.069 Temp: 10.71 ORP: -152	PIB	<0.1	ppm	
60	S ₁₁ @ 1105			60-62: 130056 Gw00860X; 3 VDATs purged ~ 3000 ml; Lt grey, fine sand PH: 6.82 DO: 3.01 Turb: >1000 E/C: 0.072 Temp: 11.08 ORP: -192	PIB	0.2	ppm	

AZ



FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

John Shaw

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-8	Project No. 3612092134	
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 3	of 3
Logged By B. Shaw	Ground Elevation Not Surveyed	Start Date 12-1-04	Finish Date 12-1-09	
Drilling Contractor Geologic, NY	Driller's Name Scott Breeds	Rig Type 6620 DT		
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size /	Auger Size ~2"
Soil Drilled ~87'	Rock Drilled /	Total Depth ~87'	Depth to Groundwater/Date NA	<input type="checkbox"/> Piez <input type="checkbox"/> Well <input checked="" type="checkbox"/> Boring

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		
						PI Meter Field Scan	PI Meter Head Space	Lab Tests ID Sample
65	S ₁₂ @	1120		65-67: 130056 Gw 008 65X; 3 VAs purged ~ 300 ml; lt grey/med grey. PH: 7.26 DO: 1.59 Turb: >1000. E/C: 0.088 Temp: 11.19 ORP: -402		PI: 0.2		ppm
70	S ₁₃ @	1130		70-72: 130056 Gw 008 70X/10; 6 VAs purged ~ 1000 ml; DK grey, v. silty. PH: 7.41 DO: 1.68 Turb: 71000 E/C: 0.098 Temp: 10.69 ORP: -409		PI: 0.3		ppm
75	S ₁₄ @	1150		75-77: 130056 Gw 008 75X; 3 VAs purged ~ 1500 ml; DK blue grey, v. silty. PH: 7.52 DO: 1.90 Turb: 71000 E/C: 0.124 Temp: 11.03 ORP: -474		PI: 0.4		ppm
80	S ₁₅ @	1200		80-82: 130056 Gw 008 80X; 3 VAs purged ~ 500 ml; DK grey, v. silty. PH: 7.74 DO: 1.18 Turb: 71000. E/C: 0.242 Temp: 9.33 ORP: -498		PI: 0.8		ppm
85	S ₁₆ @	1215		85-87: 130056 Gw 008 85X; 3 VAs purged ~ 2500 ml; v. DK grey PH: 7.84 DO: 1.19 Turb: 71000. E/C: 0.174 Temp: 10.68 ORP: -578		PI: 0.7		ppm
90	S ₁₇ @							

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

✓ CTR 3/10/11

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-9	Project No. 3612092134	
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 1	of 3
Logged By B. Shew	Ground Elevation Not Surveyed	Start Date 12-1-09	Finish Date 12-1-09	
Drilling Contractor Geologic, NY	Driller's Name Scott Breeds		Rig Type 6420 DT	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size /	Auger Size 2 1/2"
Soil Drilled 77'	Rock Drilled /	Total Depth 77'	Depth to Groundwater/Date NA	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
0				Pushed to 12' bys w/ a mill slot Gw sampling device				
10	S ₁ @	1305		10-12: 130056GW00910X; 3 VAS purged ~ 4000 gal; color test PH: 6.37 DO: 7.10 Turb: 29.9 E/C: 0.360 Temp: 12.90 ORP: 65	P10	0.1	ppm	
15	S ₂ @	1315		15-17: 130056GW00915X; 3 VAS purged ~ 3000 gal; Lt Brown	P10	0.4	ppm	
20	S ₃ @	1325		20-22: 130056GW00920X; 3 VAS purged ~ 3000 gal; Lt Brown	P10	30.8	ppm	
25	S ₄ @	1335		25-27: 130056GW00925X; 3 VAS purged ~ 3000 gal; Lt Brown Lt orange brown	P10	5.6	ppm	
30	S ₅ @	1345		30-32: 130056GW00930X; 3 VAS purged ~ 3000 gal; Lt Brown, sandy	P10	3.0	ppm	
35								

BAS



FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

JCH 3/10/11

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-9	Project No. 3612092134	
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 2 of 3	
Logged By B. Shew	Ground Elevation Not Surveyed	Start Date 12-1-09	Finish Date 12-1-09	
Drilling Contractor Geologic, NY		Driller's Name Scott breeds	Rig Type 620 DT	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size 2"	Auger Size 2"
Soil Drilled 77'	Rock Drilled ---	Total Depth 77'	Depth to Groundwater/Date NA	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						Pi Meter Field Scan	Pi Meter Head Space	
35	S ₈ @ 1355			35-37: 130056GW00935X/D; 6 VOA's purged ~ 3000 ml; Lt olive brown PH: 6.77 DO: 2.72 Turb: >1000 E/C: 0.073 Temp: 13.34 ORP: -249		PID: 1.4	ppm	
40	S ₇ @ 1405			40-42: 130056GW00940X; 3 VOA's purged ~ 3000 ml; Lt olive brown PH: 6.78 DO: 2.60 Turb: >1000 E/C: 0.074 Temp: 12.64 ORP: -269		PID: 1.3	ppm	
45	S ₈ @ 1415			45-47: 130056GW00945X; 3 VOA's purged ~ 2000 ml; DK olive brown PH: 7.04 DO: 2.97 Turb: >1000 E/C: 0.095 Temp: 12.58 ORP: -429		PID: 0.1	ppm	
50	S ₉ @ 1425			50-52: 130056GW00950X; 3 VOA's purged ~ 3000 ml; DK olive PH: 6.91 DO: 3.26 Turb: >1000 E/C: 0.075 Temp: 13.09 ORP: -303		PID: 0.3	ppm	
55	S ₁₀ @ 1435			55-57: 130056GW00955X; 3 VOA's purged ~ 3000 ml; Lt. olive brown PH: 6.85 DO: 2.48 Turb: >1000 E/C: 0.068 Temp: 12.50 ORP: -235		PID: <0.1	ppm	
60	S ₁₁ @ 1445			60-62: 130056GW00960X; 3 VOA's purged ~ 3000 ml; Lt greyish olive PH: 7.06 DO: 2.16 Turb: >1000 E/C: 0.089 Temp: 12.54 ORP: -403		PID: <0.1	ppm	

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

1 cm dia

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-9	Project No. 3612092134	
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 3 of 3	
Logged By B. Shaw	Ground Elevation Not Surveyed	Start Date 12-1-09	Finish Date 12-1-09	
Drilling Contractor Geologic, NY		Driller's Name Scott Breeds	Rig Type 66 20 ft	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size /	Auger Size ~2
Soil Drilled 77	Rock Drilled /	Total Depth 77	Depth to Groundwater/Date NA	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/ Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		
						PI Meter Field Scan	PI Meter Head Space	Lab Tests ID Sample
65-70	S ₁₂ @ 1455			65-67; 130056GW00965X/D; 6 VBAT purged ~ 500 ml; DK olive grey sand PH: 7.28 DO: 2.31 Turb: >1000 E/C: 0.084 Temp: 11.87 ORP: -505		PI D: 0.5		ppm
70-75	S ₁₃ @ 1505			70-72; 130056GW00970X-3 VBAT purged ~ 1000 ml; DK olive grey PH: 7.36 DO: 1.95 Turb: >1000 E/C: 0.088 Temp: 11.79 ORP: -479		PI D: 0.4		ppm
75-80	S ₁₄ @ 1515			75-77; 130056GW00975X; 3 VBAT purged ~ 500 ml; DK olive brown PH: 7.68 DO: 1.44 Turb: >1000 E/C: 0.099 Temp: 9.39 ORP: -569		PI D: 0.6		ppm
80-85	S ₁₅ @			PH: E/C: DO: Temp: Turb: ORP:		PI D: NA		ppm
85-90	S ₁₆ @			PH: E/C: DO: Temp: Turb: ORP:		PI D: NA		ppm
90-95	S ₁₇ @			PH: E/C: DO: Temp: Turb: ORP:		PI D: NA		ppm

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

✓ CHL d1111

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-10	Project No. 3612092134	
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 1 of 3	
Logged By B. Shaw	Ground Elevation Not Surveyed	Start Date 12-2-09	Finish Date 12-2-09	
Drilling Contractor Geologic, NY		Driller's Name Scott Brader	Rig Type 6620DT	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size /	Auger Size ~2"
Soil Drilled SO	Rock Drilled /	Total Depth 30'	Depth to Groundwater/Date NA	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/ Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
0				pushed well slot GW sampling device to ~12' bgs in grass of Town Road				
10-12	S ₁ @ 1015			130056GW01010X; 3 VAS purged ~4000 ml; Lt Brown, cloudy. PH: 6.49 DO: 8.60 Turb: 99.7 E/C: 0.205 Temp: 13.29 ORP: 48	PID	40.1	ppm	
15-17	S ₂ @ 1025			130056GW02015X; 3 VAS purged ~4000 ml; Lt orange brown PH: 6.85 DO: 3.96 Turb: 480. E/C: 0.240 Temp: 13.70 ORP: -78	PID	40.1	ppm	
20-22	S ₃ @ 1035			130056GW01020X; 3 VAS purged ~3000 ml; Lt Brown PH: 7.08 DO: 3.91 Turb: 416 E/C: 0.373 Temp: 13.30 ORP: -76	PID	13.9	ppm	
25-27	S ₄ @ 1045			130056GW01035X; 3 VAS purged ~4000 ml; Lt Brown PH: 6.55 DO: 3.40 Turb: 532 E/C: 0.327 Temp: 12.98 ORP: -48	PID	19.9	ppm	
30-32	S ₅ @ 1055			130056GW01030X; 3 VAS purged ~4000 ml; Lt Brown PH: 6.59 DO: 3.98 Turb: 685 E/C: 0.082 Temp: 13.05 ORP: -99	PID	0.5	ppm	



FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

J cm 3/1/11

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-10	Project No. 3612092134	
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 2 of 3	
Logged By B. Shaw	Ground Elevation Not Surveyed	Start Date 12-2-09	Finish Date 12-2-09	
Drilling Contractor Geologic, NY		Driller's Name Scott Breeds	Rig Type 6620 DT	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size /	Auger Size ~2"
Soil Drilled 80'	Rock Drilled /	Total Depth 80'	Depth to Groundwater/Date NA	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
35	S ₆ @ 1115			35-37: 1300566W01035X; 312A purged ~4000 ml; Lt olive brown; pH: 6.51 DO: 3.57 Turb: >1000 E/C: 0.065 Temp: 12.98 ORP: -87	PID	0.5	ppm	
40	S ₇ @ 1125			40-42: 1300566W01040X; 612A purged ~3000 ml; Lt brownish olive pH: 6.35 DO: 3.59 Turb: >1000 E/C: 0.052 Temp: 12.96 ORP: -34	PID	<0.1	ppm	
45	S ₈ @ 1135			45-47: 1300566W01045X; 312A purged ~3000 ml; Lt brownish olive pH: 6.59 DO: 2.59 Turb: >1000 E/C: 0.058 Temp: 12.97 ORP: -136	PID	0.2	ppm	
50	S ₉ @ 1155			50-52: 1300566W01050X; 312A purged ~3000 ml; Lt olive brown pH: 6.55 DO: 3.67 Turb: >1000 E/C: 0.054 Temp: 12.79 ORP: -91	PID	<0.1	ppm	
55	S ₁₀ @ 1205			55-57: 1300566W01055X; 312A purged ~2000 ml; Lt olive brown pH: 7.18 DO: 1.72 Turb: >1000 E/C: 0.074 Temp: 12.69 ORP: -373	PID	0.4	ppm	
60	S ₁₁ @ 1215			60-62: 1300566W01060X; 312A purged ~1500 ml; Lt olive brown pH: 6.88 DO: 3.41 Turb: >1000 E/C: 0.066 Temp: 12.66 ORP: -201	PID	<0.1	ppm	

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

↓ see sheet

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-10	Project No. 3612092134	
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 3	of 3
Logged By B. Shaw	Ground Elevation Not Surveyed	Start Date 12-2-09	Finish Date 12-2-09	
Drilling Contractor Geologic, NY		Driller's Name Scott Breeds	Rig Type 6620DT	
Drilling Method Direct Push	Protection Level B	P.I.D. (eV) 10	Casing Size /	Auger Size ~2"
Soil Drilled 80'	Rock Drilled /	Total Depth 80'	Depth to Groundwater/Date NA	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqrd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		
						PI Meter Field Scan	PI Meter Head Space	Lab Tests ID Sample
65-67	S ₁₂ @	1225		1300566W01065X; 3 VENTS purged ~ 2000 ml; DK gray, sandy. PH: 7.12 DO: 1.74 Turb: 71000 E/C: 0.071 Temp: 12.69 ORP: -309	PIID	0.2	ppm	
70-72	S ₁₃ @	1245		1300566W01070X; 3 VENTS purged ~ 3000 ml; V. DK grey, silty. PH: 7.02 DO: 2.01 Turb: 7600 E/C: 0.069 Temp: 13.01 ORP: -466	PIID	6.1	ppm	
75-77	S ₁₄ @	1305		1300566W01075X; 3 VENTS purged ~ 1000 ml; DK olive grey, silty fine sand PH: 7.23 DO: 1.96 Turb: 71000 lots of silt E/C: 0.084 Temp: 13.25 ORP: -498	PIID	0.1	ppm	
80-82	S ₁₅ @	1315		1300566W01080X; 3 VENTS purged ~ 500 ml; DK olive grey PH: 7.79 DO: 1.76 Turb: >10000 E/C: 0.109 Temp: 13.69 ORP: -554	PIID	0.9	ppm	
85-90	S ₁₆ @			PH: DO: Turb: E/C: Temp: ORP: PH: DO: Turb: E/C: Temp: ORP:	PIID	NA	ppm	

refusal @ 80' bps



FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

J can 3/18/11

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-11	Project No. 3612092134	
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 1 of 3	
Logged By B. Shaw	Ground Elevation Not Surveyed	Start Date 11-30-09	Finish Date 11-30-09	
Drilling Contractor Geologic, NY		Driller's Name Scott Breeds	Rig Type 6620 DT.	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size /	Auger Size ~2"
Soil Drilled na	Rock Drilled /	Total Depth ~92'	Depth to Groundwater/Date NA	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
0				in grass right of way, - pushed to 10' by w/ millstaf G/S sampling device				
10	S1 @ 0850			10-12: 130056GW0110X; 3 VAS water: cloudy, Lt greyish brown, purged ~ 3000ml/s PH: 5.82 DO: 5.02 Turb: 76.7 E/C: 0.355 Temp: 15.56 ORP: 34.	P10	6.1	ppm	
15	S2 @ 0100			15-17: 130056GW0115X; 3 VAS purged ~ 3000ml, Lt orange Lt brown PH: 6.52 DO: 3.37 Turb: 503 E/C: 0.421 Temp: 15.75 ORP: -145	P10	15.9*	ppm	
20	S3 @ 0910			20-22: 130056GW0120X; 3 VAS purged ~ 3000ml; Lt brown, cloudy. PH: 6.57 DO: 3.69 Turb: 234 E/C: 0.346 Temp: 15.15 ORP: -72	P10	12.7*	ppm	
25	S4 @ 0920			25-27: 130056GW0125X; 3 VAS purged ~ 3000ml; Lt brown. PH: 7.04 DO: 3.59 Turb: 61.9 E/C: 0.129 Temp: 14.84 ORP: -92	P10	4.8*	ppm	
30	S5 @ 0930			30-32: 130056GW0130X/MS/MD; 9 VAS purged ~ 4000ml; Lt grey; cloudy. PH: 6.60 DO: 3.84 Turb: 32.7 E/C: 0.080 Temp: 14.54 ORP: -69	P10	5.1*	ppm	

*: do not know if these values are 'real'; could be affected by moisture due to heavy rain. JPC

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

↓ CH 3/10/11

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-11	Project No. 3612092134	
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 2 of 3	
Logged By B. Shaw	Ground Elevation Not Surveyed	Start Date 11-30-04	Finish Date 11-30-09	
Drilling Contractor Geologic, NY		Driller's Name Scott Breeds	Rig Type 6620 DT	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size /	Auger Size 12"
Soil Drilled ~92'	Rock Drilled /	Total Depth ~92'	Depth to Groundwater/Date NA	<input type="checkbox"/> Piez <input type="checkbox"/> Well <input checked="" type="checkbox"/> Boring

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
35-40	S6 @ 940			35-37: 130056G well 35X/D; 6 vials purged ~ 3000ml, Lt grey PH: 6.21 DO: 3.98 Turb: 21.6 E/C: 0.130 Temp: 14.29 ORP: -62		PID: 5.2*	ppm	
40-45	S7 @ 950			40-42: 130056G well 40X; 3 vials purged ~ 3000 ml; clear/clear PH: 6.00 DO: 4.01 Turb: 20.5 E/C: 0.189 Temp: 14.48 ORP: -52		PID: 3.3*	ppm	
45-50	S8 @ 1000			45-47: 130056G well 45X; 3 vials purged ~ 4000ml; Lt Brown, cloudy PH: 6.04 DO: 3.49 Turb: 52.9 E/C: 0.304 Temp: 14.34 ORP: -94		PID: 4.2*	ppm	
50-55	S9 @ 1015			50-52: 130056G well 50X; 3 vials purged ~ 1000ml; DK Brown, silty PH: 6.93 DO: 8.13 Turb: 71000 E/C: 0.303 Temp: 14.01 ORP: -429		PID: 4.0*	ppm	
55-60	S10 @ 1025			55-60: 130056G well 55X; 3 vials purged ~ 4000ml; Lt Brown, sandy PH: 7.06 DO: 3.42 Turb: 810 E/C: 0.088 Temp: 13.92 ORP: -480		PID: 4.6*	ppm	
60-65	S11 @ 1055			60-62: 130056G well 60X; 3 vials purged ~ 4000ml; DK Brown → Lt Brown PH: 6.96 DO: 1.63 Turb: 7+600 BAI E/C: 0.118 Temp: 13.71 ORP: -529		PID: 4.0*	ppm	

* not sure if these values are accurate; PID is acting slightly off.
 - could be affected by moisture due to heavy rain.

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

↓ chd 3/1/11

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-11	Project No. 3612092134	
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 3	of 3
Logged By B. Shaw	Ground Elevation Not Surveyed	Start Date 11-30-09	Finish Date 11-30-09	
Drilling Contractor Geologic, NY	Driller's Name Scott Breeds		Rig Type 6620 DT	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size /	Auger Size ~ 2 1/2
Soil Drilled 92'	Rock Drilled /	Total Depth 92'	Depth to Groundwater/Date NA	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
65	S12 @ 1135			65-67: 130056G well 165X; 3 vials purged ~ 400ml; Lt Brown, cloudy. PH: 6.82 DO: 4.82 Turb: 46.5 E/C: 0.287 Temp: 13.37 ORP: -187	PID	4.1*	ppm	
70	S13 @ 1305			70-72: 130056G well 170X; 3 vials purged ~ 300ml; Lt Brown PH: 6.89 DO: 4.12 Turb: 162 E/C: 0.406 Temp: 14.18 ORP: -309	PID	1.9*	ppm	
75	S14 @ 1315			75-77: 130056G well 175X; 3 vials purged ~ 400ml; Lt orange/Brown PH: 7.21 DO: 2.79 Turb: 552 E/C: 0.449 Temp: 13.51 ORP: -439	PID	1.4*	ppm	
80	S15 @ 1330			80-82: 130056G well 180X; 3 vials purged ~ 300ml; Brown, silty PH: 7.32 DO: 1.81 Turb: > 1000 E/C: 0.406 Temp: 13.52 ORP: 526	PID	0.9*	ppm	
85	S16 @ 1345			85-87: 130056G well 185X; 3 vials purged ~ 500 ml; DK olive, v. silty, did not produce much PH: NA DO: NA Turb: > 1000 water E/C: NA Temp: NA ORP: NA	PID	1.9*	ppm	
90	S17 @ 1405			90-92: 130056G well 190X; 3 vials purged ~ 1000ml; DK olive, v. silty PH: 7.67 DO: 3.01 Turb: 7100 E/C: 0.333 Temp: 13.05 ORP: -583	PID	1.1*	ppm	

* Not sure if these values are 'real' could be affected by moisture

MACTEC due to heavy rain.
511 Congress Street.
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

↓
CME 3/18/11

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-12	Project No. 3612092134
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 1 of 3
Logged By B. Shaw	Ground Elevation Not Surveyed	Start Date 12-3-09	Finish Date 12-9-09
Drilling Contractor Geologic, NY		Driller's Name Scott Breed	Rig Type 6620 JT
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size / Auger Size ~2"
Soil Drilled 75'	Rock Drilled /	Total Depth 75'	Depth to Groundwater/Date NA
		Piez <input type="checkbox"/>	Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
0								
10-12				Pushed millstot GW Supter device to ~12' bgs; in grass of lawn for turn 10-12: 130056GW01210X; 3 VMS				
15	S1 @ 16'5" / 14'5"			purged ~ 3000 ml; pale orange brown PH: 6.31 DO: 6.14 Turb: 254 E/C: 0.266 Temp: 14.57 ORP: -26	PI D	CO.1	ppm	
15-17	S2 @ 16'25" / 14'25"			15-17: 130056GW01215X; 3 VMS purged ~ 3000 ml; lt reddish brown				
20	S3 @ 16'35" / 14'35"			PH: 6.55 DO: 3.23 Turb: 71000 E/C: 0.367 Temp: 14.59 ORP: -142	PI D	0.4	ppm	
25-27	S4 @ 16'45"			25-27: 130056GW01220X; 3 VMS purged ~ 3000 ml; lt brown				
25	S4 @ 16'45"			PH: 6.70 DO: 3.63 Turb: 71000 E/C: 0.358 Temp: 14.18 ORP: -131	PI D	0.6	ppm	
30	S5 @ 16'55"			30-32: 130056GW01230X; 3 VMS purged ~ 3000 ml; Brown, sandy				
30	S5 @ 16'55"			PH: 6.54 DO: 3.51 Turb: 71000 E/C: 0.240 Temp: 13.77 ORP: -108	PI D	0.3	ppm	
35				PH: 6.57 DO: 3.84 Turb: 71000 E/C: 0.101 Temp: 13.71 ORP: -129	PI D	CO.1	ppm	



FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

↓ cut 3/18/11

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-12	Project No. 3612092134	
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 3	of 3
Logged By B. Shaw	Ground Elevation Not Surveyed	Start Date 12-3-09	Finish Date 12-4-09	
Drilling Contractor Geologic, NY	Driller's Name Scott Breeds	Rig Type 6620 DT		
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size /	Auger Size ~2"
Soil Drilled 75	Rock Drilled /	Total Depth 75	Depth to Groundwater/Date NA	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
65	S ₁₂ @ 0910			65-67: 130056 GW01265X, 30AS purged ~1000ml; olive grey, silty PH: 7.18 DO: 2.65 Turb: 71000 E/C: 0.087 Temp: 12.33 ORP: -261	PID	0.1	ppm	
70	S ₁₃ @ 0920			70-72: 130056 GW01270X, 20AS purged ~200ml; dk olive grey, v. silty PH: 7.29 DO: 1.96 Turb: 71000 E/C: 0.111 Temp: 12.11 ORP: -361	PID	0.7	ppm	
75	S ₁₄ @ 0930			75-75: 130056 GW01275X, 30AS purged ~200ml; dk olive grey, v. silty PH: 7.78 DO: 1.60 Turb: 71000 E/C: 0.178 Temp: 13.09 ORP: -512	PID	0.9	ppm	
85				PH: DO: Turb: E/C: Temp: ORP:	PID		ppm	
90				PH: DO: Turb: E/C: Temp: ORP:	PID		ppm	
				PH: DO: Turb: E/C: Temp: ORP:	PID		ppm	

retired @ 75' bgt

MACTEC
 511 Congress Street
 Portland, ME 04101

FIGURE 4-4
 SOIL BORING LOG
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

↓ call 316/11

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-12	Project No. 3612092134	
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 2 of 3	
Logged By B. Shaw	Ground Elevation Not Surveyed	Start Date 12-3-09	Finish Date 12-4-09	
Drilling Contractor Geologic, NY		Driller's Name Scott Brooks	Rig Type 6600 BT	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size /	Auger Size d
Soil Drilled 75'	Rock Drilled /	Total Depth 75'	Depth to Groundwater/Date NA	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqcd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
35	S ₆ @	1700.		35-37: 130056 GW 0123X, 3000 purged ~ 3000 ml; Brown, SM/ST/Sand PH: 6.40 DO: 4.30 Turb: 70000 E/C: 0.062 Temp: 13.35 ORP: -84	PIB	Co.1	ppm	
40	S ₇ @	1715		40-42: 130056 GW 01240X purged ~ 3000 ml; olive brown SM/ST PH: 6.37 DO: 4.13 Turb: 71000 E/C: 0.053 Temp: 13.21 ORP: -99	PIB	Co.1	ppm	
45	S ₈ @	1720		45-47: 130056 GW 01245X purged ~ 2000 ml; Brown, SM/ST PH: 6.31 DO: 2.87 Turb: 71000 E/C: 0.049 Temp: 13.01 ORP: -70	PIB	Co.1	ppm	
50	S ₉ @	0840		50-52: 130056 GW 01250X, 3000 purged ~ 1000 ml; Lt sm PH: 6.12 DO: 4.42 Turb: >1000 E/C: 0.101 Temp: 11.53 ORP: -50	PIB	Co.1	ppm	
55	S ₁₀ @	0850		52-57: 130056 GW 01255X, 3000 purged ~ 300 ml; Brown, silty PH: 6.73 DO: 2.66 Turb: >1000 E/C: 0.077 Temp: 11.98 ORP: -229	PIB	0.2	ppm	
60	S ₁₁ @	0900		60-62: 130056 GW 01260X, 3000 purged ~ 200 ml; Brown/olive, silty PH: 6.89 DO: 2.94 Turb: >1000 E/C: 0.078 Temp: 12.23 ORP: -259	PIB	Co.1	ppm	

Stopped
12-3-09

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

↓ can 3/10/11

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-13	Project No. 3612092134
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 1 of 3
Logged By B. Shaw	Ground Elevation Not Surveyed	Start Date 12-3-09	Finish Date 12-3-09
Drilling Contractor Geologic, NY	Driller's Name Scott Breeds	Rig Type 6620 DT	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size 2" Auger Size 2"
Soil Drilled 77'	Rock Drilled —	Total Depth 77'	Depth to Groundwater/Date NA
		Piez <input type="checkbox"/>	Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
0				Pushed to ~12' bgs; w/ a wellslot w/ sampling device;				
10	S ₁ ⊕ 1315			10-12: 130056GW01310X; 3 VOA purged ~ 3000 ml; colorless PH: 6.23 DO: 6.97 Turb: 25.4 E/C: 0.291 Temp: 17.44 ORP: 29.		PID: 20.1 ppm		
15	S ₂ ⊕ 1325			15-17: 130056GW01315X; 3 VOA purged ~ 3000 ml; cloudy lt brown PH: 6.59 DO: 3.81 Turb: 139 E/C: 0.244 Temp: 16.92 ORP: -74		PID: 0.2 ppm		
20	S ₃ ⊕ 1335			20-22: 130056GW01320X/mf/md; 3 VOA purged ~ 4000 ml; lt brown/cloudy PH: 6.74 DO: 3.10 Turb: 951 E/C: 0.122 Temp: 16.45 ORP: -129		PID: 0.5 ppm		
25	S ₄ ⊕ 1345			25-27: 130056GW01325X; 3 VOA purged ~ 3000 ml; lt brown PH: 6.59 DO: 2.20 Turb: 71000 - E/C: 0.098 Temp: 15.77 ORP: -141		PID: 0.1 ppm		
30	S ₅ ⊕ 1355			30-32: 130056GW01330X; 3 VOA purged ~ 4000 ml; lt brown PH: 6.42 DO: 3.17 Turb: 913 E/C: 0.056 Temp: 14.91 ORP: -65		PID: 0.1 ppm		

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-13	Project No. 3612092134
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 2 of 3
Logged By B. Shew	Ground Elevation not surveyed	Start Date 12-3-09	Finish Date 12-3-09
Drilling Contractor Geologic, NY	Driller's Name Scott Breed	Rig Type 6620 DT	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size 4 Auger Size 1
Soil Drilled 77'	Rock Drilled —	Total Depth 77'	Depth to Groundwater/Date NA
		Piez <input type="checkbox"/>	Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
35	S6 @ 1415			35-37: 130056GW01335X; 3VAT purged ~ 3000 ml; lt olive brn PH: 6.88 DO: 2.46 Turb: 71000 E/C: 0.060 Temp: 15.05 ORP: -131	PI D	0.1	ppm	
40	S7 @ 1425			40-42: 130056GW01340X/0.6 VDAT purged ~ 3000 ml; Brown PH: 6.52 DO: 3.11 Turb: 71000 E/C: 0.059 Temp: 14.51 ORP: -139	PI D	0.2	ppm	
45	S8 @ 1435			45-47: 130056GW01345X; 3VAT purged ~ 3000 ml; Brownish olive PH: 6.44 DO: 3.23 Turb: 71000 E/C: 0.055 Temp: 14.41 ORP: -121	PI D	1.0	ppm	
50	S9 @ 1445			50-52: 130056GW01350X; 3VAT purged ~ 3000 ml; Brown; sandy PH: 6.64 DO: 2.58 Turb: 71000 E/C: 0.062 Temp: 14.52 ORP: -159	PI D	0.1	ppm	
55	S10 @ 1455			55-57: 130056GW01355X; 3VAT purged ~ 1500 ml; Brown / sandy PH: 6.47 DO: 2.60 Turb: 71000 E/C: 0.085 Temp: 15.01 ORP: -248	PI D	0.1	ppm	
60	S11 @ 1505			60-62: 130056GW01360X; 3VAT purged ~ 1000 ml; Brown, very sandy PH: 6.94 DO: 2.58 Turb: 71000 E/C: 0.087 Temp: 15.07 ORP: -309	PI D	20.1	ppm	

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

↓ core 3/18/11

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-13	Project No. 3612092134	
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 3 of 3	
Logged By B. Shaw	Ground Elevation Not Surveyed	Start Date 12-3-09	Finish Date 12-3-09	
Drilling Contractor Geologic, NY		Driller's Name Scott breed	Rig Type 6620 DT	
Drilling Method Direct Push	Protection Level B	P.I.D. (eV) 10	Casing Size /	Auger Size 2"
Soil Drilled 77'	Rock Drilled /	Total Depth 77'	Depth to Groundwater/Date NA	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
65	S ₁₂ @ 1515			65-67: 130056 GWO1365X; 3 vats purged ~ 2000 yd olive/grey silty PH: 6.98 DO: 2.57 Turb: >1000. E/C: 0.074 Temp: 14.87 ORP: -249		PI D: 0.4	ppm	
70	S ₁₃ @ 1525			70-72: 130056 GWO1370X; 3 vats purged ~ 1000. ~ 1/2 Brownish olive, sand.		PI D: 0.1	ppm	
75	S ₁₄ @ 1535			75-77: 130056 GWO1375X; 3 vats purged - 500 yd of grey silty		PI D: 0.4	ppm	
80				PH: 7.91 DO: 1.71 Turb: 71000. E/C: 0.097 Temp: 15.08 ORP: -331		PI D: 0.4	ppm	
85				PH: E/C: DO: Temp: Turb: ORP:		PI D: 0.4	ppm	
90				PH: E/C: DO: Temp: Turb: ORP:		PI D: 0.4	ppm	
95				PH: E/C: DO: Temp: Turb: ORP:		PI D: 0.4	ppm	

Return @ ~ 77' yrs

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

√ on 3/18/11

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-14	Project No. 3612092134
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 1 of 3
Logged By B. Shaw	Ground Elevation Not Surveyed	Start Date 12-3-09	Finish Date 12-3-09
Drilling Contractor Geologic, NY	Driller's Name Scott Breeds	Rig Type 6620 DT.	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size / Auger Size 2 1/2"
Soil Drilled 84.5'	Rock Drilled /	Total Depth 84.5'	Depth to Groundwater/Date NA
		Piez <input type="checkbox"/>	Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
0-10				Pushed to a 12" bgs with a millimeter sampling device; in grass of Town Row.				
10-12				10-12: 130056 Gw01410X; 3 VAs purged ~ 3000 ml; colorless				
12-15	S1 @ 0905			PH: 6.15 DO: 8.19 Turb: 8.29 E/C: 0.556 Temp: 14.29 ORP: 38	PI D		Co-1	ppm
15-17				15-17: 130056 Gw01415X; 7 VAs purged ~ 3000 ml; Lt Brown				
17-20	S2 @ 0915			PH: 6.58 DO: 3.41 Turb: 71000 E/C: 0.278 Temp: 15.82 ORP: -123	PI D		0.2	ppm
20-22				20-22: 130056 Gw01420X; 3 VAs purged ~ 3000 ml; Lt Brown				
22-25	S3 @ 0925			PH: 6.63 DO: 3.73 Turb: 71000 E/C: 0.268 Temp: 15.61 ORP: -134	PI D		0.8	ppm
25-27				25-27: 130056 Gw01425X; 3 VAs purged ~ 3000 ml; Lt Brown				
27-30	S4 @ 0935			PH: 6.72 DO: 3.19 Turb: 71000 E/C: 0.173 Temp: 15.23 ORP: -137	PI D		0.6	ppm
30-32				30-32: 130056 Gw01430X; 3 VAs purged ~ 3000 ml; Lt lime brown				
32-35	S5 @ 0945			PH: 6.43 DO: 2.87 Turb: 71000 E/C: 0.120 Temp: 14.82 ORP: -135	PI D		0.5	ppm

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

↓ cut 3/10/11

SOIL BORING LOG

Project Gents uniform Rental Service		Boring/Well No. DP-14	Project No. 3612092134
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 2 of 3
Logged By B. Shaw	Ground Elevation Not Surveyed	Start Date 12-3-09	Finish Date 12-3-09
Drilling Contractor Geologic, NY	Driller's Name Scott Breeds	Rig Type 6620 DT	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size 2" / 2.125"
Soil Drilled 84.5'	Rock Drilled ---	Total Depth 84.5'	Depth to Groundwater/Date NA
		Piez <input type="checkbox"/>	Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Fqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
35	S ₆ @ 0955			35-37: 130056GW01435X; 302AS purged ~ 3000 ml; Lt Brown PH: 6.58 DO: 2.51 Turb: 71000 E/C: 0.073 Temp: 14.88 ORP: -149	PID: 0.3		ppm	
40	S ₇ @ 1005			40-42: 130056GW01440X; 302AS purged ~ 7000 ml; Lt Brown, sandy PH: 6.66 DO: 2.43 Turb: 71000 E/C: 0.065 Temp: 14.77 ORP: -155	PID: 0.1		ppm	
45	S ₈ @ 1015			45-47: 130056GW01445X (ms/md); 402AS purged ~ 3000 ml; olive brown, silty PH: 6.57 DO: 2.01 Turb: 71000 E/C: 0.061 Temp: 14.61 ORP: -164	PID: 0.1		ppm	
50	S ₉ @ 1025			50-52: 130056GW01449X; 302AS purged ~ 3000 ml; Lt greyish brown PH: 6.26 DO: 3.14 Turb: 614 E/C: 0.047 Temp: 15.11 ORP: -164	PID: 0.1		ppm	
55	S ₁₀ @ 1035			55-57: 130056GW01455X; 302AS purged ~ 3000 ml; Lt Brown, sandy PH: 6.57 DO: 3.01 Turb: 71000 E/C: 0.060 Temp: 16.01 ORP: -179	PID: 0.1		ppm	
60	S ₁₁ @ 1055			60-62: 130056GW01460X; 302AS purged ~ 1500 ml; DK greyish olive, silty/sandy PH: 6.89 DO: 2.25 Turb: 71000 E/C: 0.071 Temp: 17.26 ORP: -242	PID: 0.1		ppm	

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

J. Chu 3/18/11

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-14	Project No. 3612092134
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 3 of 3
Logged By B. Shaw	Ground Elevation Not Surveyed	Start Date 12-3-09	Finish Date 12-3-09
Drilling Contractor Geologic, NY	Driller's Name Scott breeds	Rig Type LG20DT.	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size / Auger Size 2.2"
Soil Drilled 84.5	Rock Drilled /	Total Depth 84.5	Depth to Groundwater/Date NA
		Piez <input type="checkbox"/>	Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
65	S ₁₂ @ 1105			65-67: 130056GW01465X/1 300AS purged ~ 2500 ml; DK olive grey. PH: 6.91 DO: 2.08 Turb: 71000 E/C: 0.072 Temp: 15.75 ORP: -267	PI D: 0.1		ppm	
70	S ₁₃ @ 1125			70-72: 130056GW01470X/1 300AS purged ~ 500 ml; DK greyish olive; silty PH: 7.09 DO: 3.41 Turb: 71000 E/C: 0.276 Temp: 16.29 ORP: -234	PI D: 6.6		ppm	
75	S ₁₄ @ 1135			75-77: 130056GW01475X/1 300AS purged ~ 250 ml; DK olive grey; silty PH: 7.31 DO: 1.93 Turb: 71000 E/C: 0.108 Temp: 17.11 ORP: -409	PI D: 0.9		ppm	
80	S ₁₅ @ 1145			80-82: 130056GW01480X/1 300AS purged ~ 500 ml; DK olive grey; silty PH: 7.54 DO: 1.72 Turb: 71000 E/C: 0.129 Temp: 17.84 ORP: -459	PI D: 1.9		ppm	
85	S ₁₆ @ 1205			82-84.5: 130056GW01485X/1 300AS purged ~ 200 ml; DK Grey PH: 7.64 DO: 3.20 Turb: 71000 E/C: 0.184 Temp: 17.92 ORP: -519	PI D: 2.3		ppm	
				PH: As DO: / Turb: / E/C: / Temp: / ORP: /	PI D: /		ppm	

Return to 84.5' by



FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-15	Project No. 3612092134
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 1 of 3
Logged By B. Shaw	Ground Elevation Not surveyed	Start Date 11-30-09	Finish Date 12-1-09
Drilling Contractor Geologic, NY	Driller's Name Scott Brooks	Rig Type Globe DT.	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size 12" Auger Size 12"
Soil Drilled 76.6'	Rock Drilled ---	Total Depth 76.6'	Depth to Groundwater/Date NA
		Piez <input type="checkbox"/>	Well <input type="checkbox"/>
		Boring <input checked="" type="checkbox"/>	

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		
						PI Meter Field Scan	PI Meter Head Space	Lab Tests ID Sample
0-7				Dug to ~12' by w/ a millist ¹ Gwl Sampler; - Collected in grass area of town Road.				
10-15	S1 @ 1505			D-12: 130056 Gw @ 1510X; 3 VAS purged ~ 3000ml, Lt orange brown PH: 6.72 DO: 6.37 Turb: 71000 E/C: 0.335 Temp: 13.29 ORP: -17	PID	2.6	ppm	
15-20	S2 @ 1515			15-17: 130056 Gw @ 1515X; 3 VAS purged ~ 3000ml, Lt brown PH: 6.80 DO: 4.08 Turb: 71000 E/C: 0.250 Temp: 14.03 ORP: -78	PID	1.7	ppm	
20-25	S3 @ 1525			20-22: 130056 Gw @ 1520X; 3 VAS purged ~ 3000ml, Lt Brown PH: 6.60 DO: 3.51 Turb: 71000 E/C: 0.221 Temp: 13.87 ORP: -59	PID	4.1	ppm	
25-30	S4 @ 1530			25-27: 130056 Gw @ 1525X; 3 VAS purged ~ 3000ml, Lt Brown PH: 6.27 DO: 3.81 Turb: 448 E/C: 0.177 Temp: 13.36 ORP: -40	PID	1.1	ppm	
30-35	S5 @ 1540			30-32: 130056 Gw @ 1530X; 3 VAS purged ~ 3000ml; Lt brown PH: 5.98 DO: 4.10 Turb: 554 E/C: 0.250 Temp: 13.48 ORP: -57	PID	2.7	ppm	

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

↓ cur 3/18/11

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-15	Project No. 3612092134
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 2 of 3
Logged By B. Shaw	Ground Elevation Not Surveyed	Start Date 11-30-09	Finish Date 12-1-09
Drilling Contractor Geologic, NY	Driller's Name Scott Breeds	Rig Type 662e DT.	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size / Auger Size 2 1/2"
Soil Drilled 76.6'	Rock Drilled /	Total Depth 76.6'	Depth to Groundwater/Date NA
		Piez <input type="checkbox"/>	Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
35-40	S6 @ 1550			35-37 130056GW01535X; 3 VOA's, Dp purged - 3000ml; Lt Brown, PH: 6.37 DO: 2.13 Turb: 71000 E/C: 0.068 Temp: 12.70 ORP: -75		PI: 0.5	ppm	
40-45	S7 @ 1555			40-42 130056GW01540X; 3 VOA's purged - 3000ml; Lt olive brown PH: 6.35 DO: 3.17 Turb: 71000 E/C: 0.050 Temp: 12.71 ORP: -63		PI: 0.4	ppm	
45-50	S8 @ 1605			45-47 130056GW01545X; 3 VOA's purged - 3000ml; Lt Brown PH: 6.39 DO: 3.21 Turb: 71000 E/C: 0.048 Temp: 12.72 ORP: -89		PI: 0.3	ppm	
50-55	S9 @ 1615			50-52 130056GW01550X; 3 VOA's purged - 4000ml; Lt Brown PH: 6.53 DO: 3.17 Turb: 71000 E/C: 0.056 Temp: 12.11 ORP: -144		PI: 0.2	ppm	
55-60	S10 @ 1625			55-57 130056GW01555X; 3 VOA's purged - 3000ml; Lt grey, v. sandy PH: 6.77 DO: 2.50 Turb: 71000 E/C: 0.064 Temp: 13.29 ORP: -261		PI: 0.2	ppm	
60-65	S11 @ 1635			60-62 130056GW01560X; 3 VOA's purged - 3000ml; Lt olive/grey, sandy PH: 6.98 DO: 2.48 Turb: 71000 E/C: 0.070 Temp: 12.96 ORP: -309		PI: 0.6	ppm	

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

J. Shaw 3/18/11

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-15	Project No. 3612092134	
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 3	of 3
Logged By B. Sherrill	Ground Elevation Not Surveyed	Start Date 11-30-09	Finish Date 12-1-09	
Drilling Contractor Geologic, NY		Driller's Name Scott Breeds	Rig Type 6620 DT.	
Drilling Method Direct Push	Protection Level B	P.I.D. (eV) 10	Casing Size /	Auger Size 2"
Soil Drilled 76.6'	Rock Drilled /	Total Depth 76.6'	Depth to Groundwater/Date NA	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
65	S12 @ 1650			65-67: 130056 GWD 1565X/D; 6 WBA purged - 2000 ml, DK olive, sandy PH: 6.77 DO: 3.99 Turb: > 1000 E/C: 0.061 Temp: 11.94 ORP: -7A		PI D: 0.2	ppm	
70	S13 @ 815			70-72: 130056 GWD 1570X, 3 WBA purged - 1000 ml, DK olive grey, v. silty PH: 7.23 DO: 1.99 Turb: > 1000 E/C: 0.097 Temp: 7.32 ORP: -397		PI D: 0.3	ppm	
75	S14 @ 0825			75-77: 130056 GWD 1575X, 3 WBA purged - 2000 ml, v. DK olive, silty PH: 7.47 DO: 1.91 Turb: > 1000 E/C: 0.104 Temp: 10.51 ORP: -616		PI D: 1.5	ppm	
80	S15 @			80-82: purged - PH: DO: Turb: E/C: Temp: ORP:		PI D: NA	ppm	
85	S16 @			85-87: purged - PH: DO: Turb: E/C: Temp: ORP:		PI D: NA	ppm	
90	S17 @			90-92: purged - PH: DO: Turb: E/C: Temp: ORP:		PI D: NA	ppm	

Flushed 11-30-09
Start 12-1-09

retused @ 76.6' bgs, AS

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

↓ can also

SOIL BORING LOG

Project Gents uniform Rental Service		Boring/Well No. DP-16	Project No. 3612092134
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 1 of 3
Logged By B. Shaw	Ground Elevation Not Surveyed	Start Date 12-2-09	Finish Date 12-2-09
Drilling Contractor Geologic, NY	Driller's Name Scott Breeds	Rig Type G620 DT.	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size 2" Auger Size 2"
Soil Drilled 80'	Rock Drilled ---	Total Depth 80'	Depth to Groundwater/Date NA
		Piez <input type="checkbox"/>	Well <input type="checkbox"/>
		Boring <input checked="" type="checkbox"/>	

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
0				Pushed to 12' bgs using a multistop GW Samplity device thru town Row.				
10-12				130056 GW0110X; 3 VOA purged ~ 4000 ml; cloudy / colorless				
14.10	S1 @	1410		PH: 6.39 DO: 7.78 Turb: 15.4 E/C: 0.322 Temp: 14.28 ORP: 67	PI D	< 0.1	ppm	
15-17				130056 GW01615X; 3 VOA purged ~ 3000 ml; Lt Brn				
19.20	S2 @	1420		PH: 6.71 DO: 2.90 Turb: 71000 E/C: 0.408 Temp: 14.56 ORP: -157	PI D	0.1	ppm	
20-22				130056 GW0620X; 3 VOA purged ~ 3000 ml; Lt Brn				
23.35	S3 @	1435		PH: 6.52 DO: 3.80 Turb: 71000 E/C: 0.169 Temp: 14.49 ORP: -109	PI D	< 0.1	ppm	
25-27				130056 GW01625X; 3 VOA purged ~ 3000 ml; Lt Brn				
29.45	S4 @	1445		PH: 6.46 DO: 3.85 Turb: 778 E/C: 0.067 Temp: 13.95 ORP: -78	PI D	< 0.1	ppm	
30-32				130056 GW01630X; 3 VOA purged ~ 3000 ml; Lt reddish Brn				
34.55	S5 @	1455		PH: 6.55 DO: 3.71 Turb: > 1000 E/C: 0.062 Temp: 13.94 ORP: -105	PI D	< 0.1	ppm	



FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

J cm 3/10/11

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-16	Project No. 3612092134
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 2 of 3
Logged By B. Shaw	Ground Elevation not surveyed	Start Date 12-2-09	Finish Date 12-2-09
Drilling Contractor Geologic, NY	Driller's Name Scott Breeds	Rig Type 6620 DT.	
Drilling Method Direct Push	Protection Level B	P.I.D. (eV) 10	Casing Size / Auger Size ~2"
Soil Drilled 80'	Rock Drilled /	Total Depth 80'	Depth to Groundwater/Date NA Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		
						PI Meter	Field Scan	PI Meter Head Space
						Lab Tests ID Sample		
35-37	S6 P	1505		35-37: 130056GW01635X; 3 VATS purged ~ 3000 ml; Lt Brown PH: 6.57 DO: 3.23 Turb: 71000. E/C: 0.062 Temp: 13.56 ORP: -139	P10	CO.1	ppm	
40-42	S7 P	1515		40-42: 130056GW01640X; 3 VATS purged ~ 3000 ml; Lt Brown PH: 6.63 DO: 2.56 Turb: 71000. E/C: 0.060 Temp: 13.13 ORP: -136	P10	CO.1	ppm	
45-47	S8 P	1525		45-47: 130056GW01645X; 3 VATS purged ~ 3000 ml; Lt olive brown PH: 6.55 DO: 3.33 Turb: E/C: 0.055 Temp: 13.61 ORP: -112	P10	CO.1	ppm	
50-52	S9 P	1535		50-52: 130056GW01650X; 3 VATS purged ~ 3000 ml; Lt Brown PH: 6.59 DO: 3.54 Turb: 71000 E/C: 0.059 Temp: 13.07 ORP: -108	P10	CO.1	ppm	
55-57	S10 P	1545		55-57: 130056GW01655X; 3 VATS purged ~ 3000 ml; Lt Brown PH: 6.59 DO: 3.11 Turb: 71000. E/C: 0.051 Temp: 12.86 ORP: -99	P10	CO.1	ppm	
60-62	S11 P	1555		60-62: 130056GW01660X; 3 VATS purged ~ 2000 ml; Lt Brown PH: 6.49 DO: 2.64 Turb: 71000 E/C: 0.075 Temp: 12.92 ORP: -238	P10	CO.1	ppm	

BT

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

Jan 31/11

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-16	Project No. 3612092134	
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 3 of 3	
Logged By B. Shaw	Ground Elevation Not Surveyed	Start Date 12-2-09	Finish Date 12-2-09	
Drilling Contractor Geologic, NY		Driller's Name Sult Breeds	Rig Type 6620 DT	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size /	Auger Size 2"
Soil Drilled 80'	Rock Drilled /	Total Depth 80'	Depth to Groundwater/Date NA	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
65	S ₁₂ @ 1615			65-67: 1300566W01665X; 302A purged ~1500 ml; dk olive brown PH: 7.03 DO: 2.80 Turb: 71000 E/c: 0.074 Temp: 12.73 ORP: -229	PI0	40.1	ppm	
70	S ₁₃ @ 1625			70-72: 1300566W01670X; 300A purged ~500 ml; dk grey, silty PH: 7.09 DO: 2.24 Turb: 71000 E/c: 0.073 Temp: 13.06 ORP: -279	PI0	40.7	ppm	
75	S ₁₄ @ 1635			75-77: 1300566W01675X; 302A purged ~200 ml; dk olive grey, silty PH: 7.30 DO: 1.62 Turb: 71000 E/c: 0.101 Temp: 12.25 ORP: -468	PI0	40.9	ppm	
80	S ₁₅ @ 1655			78-80: 1300566W01680X; 302A purged ~250 ml; dk grey, v. silty PH: 7.38 DO: 3.26 Turb: 71000 E/c: 0.102 Temp: 13.78 ORP: -589	PI0	40.1	ppm	
85	S ₁₆ @			PH: E/c:	PI0	NA	ppm	
90	S ₁₇ @			PH: E/c:	PI0	NA	ppm	

Refused @ ~80' hrs

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

↓ cur shall

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-17	Project No. 3612092134
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 1 of 3
Logged By B. Shaw	Ground Elevation Not Surveyed	Start Date 12-4-09	Finish Date 12-4-09
Drilling Contractor Geologic, NY	Driller's Name Scott Breda	Rig Type 6620 DT	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size / Auger Size ~2"
Soil Drilled 77'	Rock Drilled /	Total Depth 77'	Depth to Groundwater/Date / Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
0				Pushed to ~12' via millslot GW sampling device				
10-12				130156 GW 01710X; 300AT				
12-15	S ₁ @	1000		purged ~3000 ml; Lt reddish brown PH: 6.74 DO: 3.89 Turb: 169 E/C: 0.331 Temp: 14.22 ORP: -156	PI D	0.2	ppm	
15-20	S ₂ @	1010		15-17: 130056 GW 01715X; 300AT purged ~3000 ml; reddish brown PH: 6.64 DO: 3.31 Turb: 980 E/C: 0.320 Temp: 14.38 ORP: -78	PI D	0.6	ppm	
20-25	S ₃ @	1020		20-22: 130056 GW 01720X; 300AT purged ~3000 ml; Lt Brown PH: 6.85 DO: 3.71 Turb: 621 E/C: 0.121 Temp: 14.26 ORP: -96	PI D	0.8	ppm	
25-30	S ₄ @	1030		25-27: 130056 GW 01725X; 300AT purged ~3000 ml; Lt Brown PH: 6.60 DO: 2.56 Turb: 71000 E/C: 0.150 Temp: 13.73 ORP: -149	PI D	0.6	ppm	
30-35	S ₅ @	1040		30-32: 130056 GW 01730X; 300AT purged ~3000 ml; Lt Brown PH: 6.46 DO: 3.04 Turb: 450 E/C: 0.069 Temp: 12.81 ORP: -79	PI D	0.2	ppm	

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

MS
↓ can distill

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-17	Project No. 3612092134	
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 2 of 3	
Logged By B. Shaw	Ground Elevation Not Surveyed	Start Date 12-4-09	Finish Date 12-8-09	
Drilling Contractor Geologic, NY	Driller's Name Scott Breeders	Rig Type 6620 BT		
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size /	Auger Size ~2"
Soil Drilled 77'	Rock Drilled /	Total Depth 77'	Depth to Groundwater/Date N/A	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)			
						PI Meter	Field Scan	PI Meter Head Space	Lab Tests ID Sample
35	S6 @	1050		35-37: 130056 GWO1735X; 300AS purged ~3000ml; Lt Brown PH: 6.42 DO: 3.50 Turb: 990 E/C: 0.056 Temp: 13.12 ORP: -72	PI0	60.1	ppm		
40	S7 @	1100		40-42: 130056 GWO1740X; 300AS purged ~3000 ml; Brown, silty PH: 6.45 DO: 3.67 Turb: 71000 E/C: 0.051 Temp: 12.79 ORP: -79	PI0	60.1	ppm		
45	S8 @	1110		45-47: 130056 GWO1745X; 300AT purged ~3000 ml; Brown, sandy PH: 6.41 DO: 3.32 Turb: 71000 E/C: 0.049 Temp: 12.91 ORP: -87	PI0	60.1	ppm		
50	S9 @	1120		50-52: 130056 GWO1750X; 300AS purged ~3000 ml; Brown, sandy PH: 6.45 DO: 4.08 Turb: 71000 E/C: 0.052 Temp: 12.71 ORP: -66	PI0	0.1	ppm		
55	S10 @	1130		55-57: 130056 GWO1755X; 300AS purged ~2000ml; olive brown, silty PH: 6.86 DO: 2.58 Turb: 71000 E/C: 0.079 Temp: 13.07 ORP: -238	PI0	0.2	ppm		
60	S11 @	1140		60-62: 130056 GWO1760X; 300AS purged ~1000ml; Brown olive, sandy PH: 7.02 DO: 1.92 Turb: 71000 E/C: 0.084 Temp: 11.27 ORP: -193	PI0	0.3	ppm		

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

↓ call 3/18/11

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. DP-17	Project No. 3612092134	
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 3 of 3	
Logged By B. Shaw	Ground Elevation Not Surveyed	Start Date 12-4-09	Finish Date 12-8-09	
Drilling Contractor Geologic, NY		Driller's Name Scott Breeds	Rig Type 6620 DT.	
Drilling Method Direct Push	Protection Level D	P.I.D. (eV) 10	Casing Size /	Auger Size 2"
Soil Drilled 77'	Rock Drilled /	Total Depth 77'	Depth to Groundwater/Date NA	Piez <input type="checkbox"/> Well <input type="checkbox"/> Boring <input checked="" type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
65-67	S12 @ 1150			purged ~ 1000 ml; DK grey silty olive PH: 7.01 DO: 1.84 Turb: 71000 EC: 0.073 Temp: 12.12 ORP: -229		PID: 0.3	ppm	
70-72	S13 @ 1200			purged ~ 500 ml; DK grey PH: 7.08 DO: 1.59 Turb: 71000 EC: 0.077 Temp: 12.47 ORP: -278		PID: 0.8	ppm	
75-77	S14 @ 1210			purged ~ 200 ml; DK grey, silty PH: 7.36 DO: 1.12 Turb: >10000 EC: 0.087 Temp: 12.55 ORP: -367		PID: 0.6	ppm	
80				PH: E/C: DO: Temp: Turb: ORP:		PID: _____	ppm	
85				PH: E/C: DO: Temp: Turb: ORP:		PID: _____	ppm	
90				PH: E/C: DO: Temp: Turb: ORP:		PID: _____	ppm	



MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

✓ OK 3/18/11

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134-04.1

SAMPLE ID: 130056 GW 01812X SAMPLE TIME: 0855

SAMPLE LOCATION: DP-18 DATE: 12-15-2010

START TIME: 0840 END TIME: 0855

SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 6.1 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT

SAMPLE DEPTH (BMP): 12 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.0 PPM

WATER COLUMN: 16 FT DRAWDOWN VOLUME: — GAL PID WELL MOUTH: — PPM

CALCULATED GAL/VOL: NA GAL TOTAL VOL. PURGED: 1 GAL DRAWDOWN/ TOTAL PURGED: NA

(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

WELL INTEGRITY: YES NO N/A
 CAP _____ _____ X
 CASING _____ _____ X
 LOCKED _____ _____ X
 COLLAR _____ _____ X

TOC/TOR DIFFERENCE: NA FT REFILL TIMER SETTING: NA SEC
 DISCHARGE TIMER SETTING: NA SEC PRESSURE TO PUMP: NA PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>0842</u>										BEGIN PURGING
<u>0853</u>	<u>6.1</u>	<u>350</u>	<u>4.57</u>	<u>0.265</u>	<u>6.60</u>	<u>1.43</u>	<u>7100</u>	<u>-69.7</u>	<u>12</u>	
<u>0855</u>										Collected for Sample @ DP-18
							<u>> 1.0E3</u>			
							<u>7.1E3</u>	<u>-70</u>	<u>10</u>	Final Values

SAMPLE OBSERVATIONS: CLEAR COLORED DK Brown CLOUDY TURBID ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER WATERA OTHER _____

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

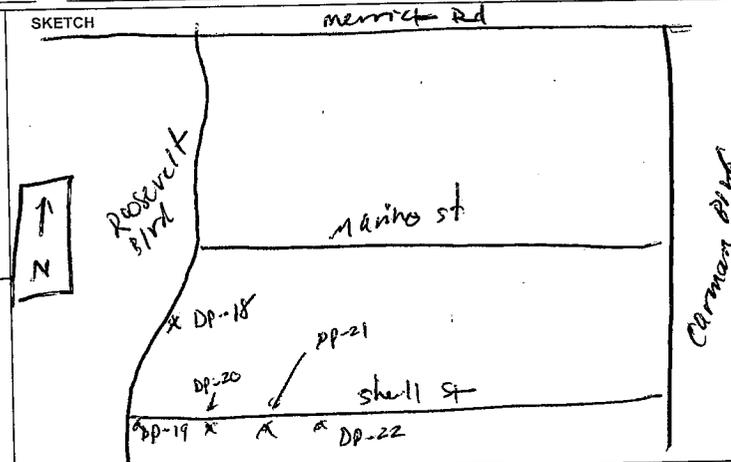
EQUIPMENT USED: WATER LEVEL METER PID WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>		<u>SEE ABOVE</u>

NOTES

Screening interval: 10' to 12' bgs

PID = 2.01 ppb



PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: 1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: _____ Print Name: Brandon Shaw

Checked By: _____ Date: 12/15/10

FIGURE 4-10
 GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 13005 b6gw018 17X SAMPLE TIME: 0905

SAMPLE LOCATION: DP-18 DATE: 12-15-2010
 START TIME: 0855 END TIME: 0905
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____
 WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER 1.5"
 TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY
 YES NO N/A
 CAP _____ _____ _____
 CASING _____ _____ _____
 LOCKED _____ _____ _____
 COLLAR _____ _____ _____

DEPTH TO WATER (BMP): 6.1 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT
 SAMPLE DEPTH (BMP): 17 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.0 PPM
 WATER COLUMN: -12 FT DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041): — GAL PID WELL MOUTH: — PPM
 CALCULATED GAL/VOL: NA GAL TOTAL VOL. PURGED: 1 GAL DRAWDOWN/ TOTAL PURGED: NA
(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

TOC/TOR DIFFERENCE: NA FT REFILL TIMER SETTING: NA SEC
 DISCHARGE TIMER SETTING: NA SEC PRESSURE TO PUMP: NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>0856</u>		<u>BEGIN PURGING 350</u>								
<u>0904</u>	<u>6.1</u>	<u>9.0</u>	<u>9.0</u>	<u>0.196</u>	<u>6.2</u>	<u>1.62</u>	<u>71000</u>	<u>-1.7</u>	<u>17</u>	
<u>0905</u>	<u>Collected</u>	<u>gr</u>		<u>Sample</u>	<u>DP-18</u>					
<u>Final</u>	<u>Values</u>									
			<u>9</u>	<u>0.196</u>	<u>6.2</u>	<u>1.6</u>	<u>>1.0E3</u>	<u>-1.7</u>	<u>17</u>	

SAMPLE OBSERVATIONS: CLEAR _____ COLORED lt brown CLOUDY X TURBID _____ ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER WATTERA OTHER _____
 DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____
 TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____
 EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SEE ABOVE

NOTES

Screening interval: 15' to 17' bgs
 PD 0.1 ppm
 collected as shown here

SKETCH

see DP-18 depth interval: 16'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~1
 NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: _____

Brandon Shaw
 Print Name:

Checked By: [Signature]

Date: 12/20/10

FIGURE 4-10
 GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME Gent Uniform	
PROJECT NUMBER 3612092134-04.1	
SAMPLE ID 130056GW01822X	SAMPLE TIME 0915

SAMPLE LOCATION DP-18	DATE 12-15-2010
START TIME 0905	END TIME 0915
SITE NAME/NUMBER NYSDEC Site 130056	PAGE 1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY

YES	NO	N/A
CAP	---	X
CASING	---	X
LOCKED	---	X
COLLAR	---	X

DEPTH TO WATER (BMP) 6.1 FT	FINAL DTW (BMP) - FT	PROT. CASING STICKUP (AGS) NA FT	TOC/TOR DIFFERENCE NA FT
SAMPLE DEPTH (BMP) 22 FT	SCREEN LENGTH 2 FT	PID AMBIENT AIR 20.1 PPM	REFILL TIMER SETTING NA SEC
WATER COLUMN 16 FT	DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041) - GAL	PID WELL MOUTH - PPM	DISCHARGE TIMER SETTING NA SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041) NA GAL	TOTAL VOL. PURGED 21 GAL	DRAWDOWN/ TOTAL PURGED NA	PRESSURE TO PUMP NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
0916										BEGIN PURGING
0913	6.1	350	9.11	0.093	6.20	1.70	71000	8.7	22	
0915	Collected gw Sample @ DP-18									
0915	FINAL VALUES									
			9	0.093	6.2	1.7	>1000	8.7	22	

SAMPLE OBSERVATIONS: CLEAR COLORED Lt olive CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
<input checked="" type="checkbox"/> PERISTALTIC	<input type="checkbox"/> SUBMERSIBLE	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> DEIONIZED WATER	<input checked="" type="checkbox"/> SILICON TUBING	<input type="checkbox"/> PVC PUMP MATERIAL	<input checked="" type="checkbox"/> WATER LEVEL METER	<input checked="" type="checkbox"/> PID
<input type="checkbox"/> BLADDER	<input type="checkbox"/> WATTERA	<input type="checkbox"/> NITRIC ACID	<input type="checkbox"/> HEXANE	<input type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN	<input checked="" type="checkbox"/> YSI 556 (PINE)	<input checked="" type="checkbox"/> TURB. METER
<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> METHANOL	<input type="checkbox"/> OTHER	<input type="checkbox"/> HDPE TUBING	<input type="checkbox"/> TEFLON BLADDER	<input checked="" type="checkbox"/> HACH 2100P (PINE)	<input checked="" type="checkbox"/> PUMP
		<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER
				<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> FILTERS	<input type="checkbox"/> NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE

NOTES

screening interval: 20' to 22' bgs
PID: 0.1 ppb =

SKETCH

See DP-18 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER YES NO NUMBER OF GALLONS GENERATED 1

CONTAINERIZED YES NO

NO-PURGE METHOD UTILIZED YES NO

If yes, purged approximately 1 standing volume prior to sampling or NA ml, for this sample location.

Sampler Signature:

Brandon Shaw
Print Name:

Checked By:

Date: 12/20/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 130056GW01827X SAMPLE TIME: 0925

SAMPLE LOCATION: DP-18 DATE: 12-15-2010
 START TIME: 0915 END TIME: 0925
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____
 WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER 1.5"
 TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY
 YES NO N/A
 CAP _____ X
 CASING _____ X
 LOCKED _____ X
 COLLAR _____ X

DEPTH TO WATER (BMP): 6.1 FT. FINAL DTW (BMP): — FT. PROT. CASING STICKUP (AGS): NA FT. TOC/TOR DIFFERENCE: NA FT.
 SAMPLE DEPTH (BMP): 27 FT. SCREEN LENGTH: 2 FT. PID AMBIENT AIR: 201 PPM. REFILL TIMER SETTING: NA SEC.
 WATER COLUMN: 21 FT. DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041): — GAL. PID WELL MOUTH: — PPM. DISCHARGE TIMER SETTING: NA SEC.
 CALCULATED GAL/VOL (column X well diameter squared X 0.041): NA GAL. TOTAL VOL. PURGED: 61 GAL. DRAWDOWN/ TOTAL PURGED: NA PSI.

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>0916</u>										BEGIN PURGING
<u>0924</u>	<u>6.1</u>	<u>350</u>	<u>10.75</u>	<u>0.067</u>	<u>6.19</u>	<u>1.50</u>	<u>71000</u>	<u>9.0</u>	<u>27</u>	
<u>0925</u>										Collected gw Sample @ DP-18
<u>0925</u>										Final values
			<u>11</u>	<u>0.067</u>	<u>6.2</u>	<u>1.5</u>	<u>>1.0E3</u>	<u>9.0</u>	<u>68</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED 4 olive CLOUDY TURBID ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER WATERA OTHER _____
 DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____
 TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____
 EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 ML</u>	<input checked="" type="checkbox"/>		<u>SEE ABOVE</u>

NOTES

screening interval: 25' to 27' by
 POC: 0.1 ppb

SKETCH

See DP-18 depth interval 10' to 12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: 21
 NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Checked By: [Signature] Print Name: Brandon Shaw Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 1306566W01832X SAMPLE TIME: 0935

SAMPLE LOCATION: DP-18 DATE: 12-15-2010
 START TIME: 0925 END TIME: 0935
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP): 6.1 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT

SAMPLE DEPTH (BMP): 32 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 6.1 PPM

WATER COLUMN: ~26 FT DRAWDOWN VOLUME: — GAL PID WELL MOUTH: — PPM

CALCULATED GAL/VOL: NA GAL TOTAL VOL. PURGED: ~1 GAL DRAWDOWN/ TOTAL PURGED: NA

(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

WELL INTEGRITY: YES NO N/A

CAP: YES NO N/A

CASING LOCKED COLLAR: YES NO N/A

TOC/TOR DIFFERENCE: NA FT

REFILL TIMER SETTING: NA SEC

DISCHARGE TIMER SETTING: NA SEC

PRESSURE TO PUMP: NA PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
0926										BEGIN PURGING
0933	6.1	350	8.71	0.070	6.12	1.35	71000	18.5	32	
0935										Collected for sample @ DP-18
										FINAL VALUES
			9	0.070	6.1	1.4	71.0E3	19	32	

SAMPLE OBSERVATIONS: CLEAR COLORED lt brown CLOUDY TURBID Sandy ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER WATTERA OTHER _____

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE

NOTES

Screening interval: 30' to 32' bgs

PID: 0.1 ppm

SKETCH

see DP-18 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location

Sampler Signature: [Signature] Print Name: Brandon Shaw

Checked By: [Signature] Date: 12/22/10

FIGURE 4-10
 GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME Gent Uniform

PROJECT NUMBER 3612092134-04.1

SAMPLE ID 1300566W0837X SAMPLE TIME 0945

SAMPLE LOCATION DP-18 DATE 12-15-2010

START TIME 0935 END TIME 0945

SITE NAME/NUMBER NYSDEC Site 130056 PAGE 1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY

	YES	NO	N/A
CAP	---	---	X
CASING	---	---	X
LOCKED	---	---	X
COLLAR	---	---	X

DEPTH TO WATER (BMP) <u>6.1</u> FT	FINAL DTW (BMP) <u>---</u> FT	PROT. CASING STICKUP (AGS) <u>NA</u> FT	TOC/TOR DIFFERENCE <u>NA</u> FT
SAMPLE DEPTH (BMP) <u>37</u> FT	SCREEN LENGTH <u>2</u> FT	PID AMBIENT AIR <u>0.0</u> PPM	REFILL TIMER SETTING <u>NA</u> SEC
WATER COLUMN <u>31</u> FT	DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041) <u>---</u> GAL	PID WELL MOUTH <u>---</u> PPM	DISCHARGE TIMER SETTING <u>NA</u> SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041) <u>NA</u> GAL	TOTAL VOL. PURGED <u>u</u> GAL	DRAWDOWN/ TOTAL PURGED <u>NA</u>	PRESSURE TO PUMP <u>NA</u> PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>0946</u>										BEGIN PURGING
<u>0954</u>	<u>6.1</u>	<u>350</u>	<u>8.37</u>	<u>0.091</u>	<u>5.97</u>	<u>1.48</u>	<u>71000</u>	<u>32.0</u>	<u>37</u>	
<u>0955</u>	<u>Collected for sample @ DP-18</u>									
<u>BAK</u>	<u>Final Values</u>									
	<u>8</u>		<u>0.091</u>	<u>6.0</u>	<u>1.5</u>	<u>71000</u>	<u>32</u>	<u>32</u>	<u>32</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED Light Brown CLOUDY Sandy TURBID ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC	<input checked="" type="checkbox"/> LIQUINOX	<input type="checkbox"/> SILICON TUBING	<input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL	<input checked="" type="checkbox"/> WATER LEVEL METER
<input type="checkbox"/> SUBMERSIBLE	<input checked="" type="checkbox"/> DEIONIZED WATER	<input type="checkbox"/> TEFLON TUBING	<input type="checkbox"/> PVC PUMP MATERIAL	<input checked="" type="checkbox"/> PID MINI RAE
<input type="checkbox"/> BLADDER	<input type="checkbox"/> POTABLE WATER	<input type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN	<input checked="" type="checkbox"/> WQ METER YSI 556 (PINE)
<input type="checkbox"/> WATTERA	<input type="checkbox"/> NITRIC ACID	<input checked="" type="checkbox"/> HDPE TUBING	<input type="checkbox"/> TEFLON BLADDER	<input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE)
<input type="checkbox"/> OTHER _____	<input type="checkbox"/> HEXANE	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> OTHER _____	<input type="checkbox"/> PUMP
<input type="checkbox"/> OTHER _____	<input type="checkbox"/> METHANOL	<input type="checkbox"/> OTHER _____	<input type="checkbox"/> OTHER _____	<input type="checkbox"/> OTHER
	<input type="checkbox"/> OTHER _____	<input type="checkbox"/> OTHER _____	<input type="checkbox"/> OTHER _____	<input type="checkbox"/> FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 ML</u>	<input checked="" type="checkbox"/>		<u>SEE ABOVE</u>

NOTES

screening interval: 35' to 37' bgs
PID: 0.1 ppiz

SKETCH

see DP-18' depth interval 10' to 12'

PURGE OBSERVATIONS

PURGE WATER YES NO NUMBER OF GALLONS GENERATED 1

CONTAINERIZED YES NO

NO-PURGE METHOD UTILIZED YES NO

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature]

Print Name: Brandon Shaw

Checked By: [Signature]

Date: 12/20/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 1300566 w/1842x SAMPLE TIME: 0955

SAMPLE LOCATION: DP-18 DATE: 12-15-2010
 START TIME: 0945 END TIME: 0955
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____
 WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER 1.5"
 TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface
 DEPTH TO WATER (BMP): 61 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT TOC/TOR DIFFERENCE: NA FT
 SAMPLE DEPTH (BMP): 42 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.0 PPM REFILL TIMER SETTING: NA SEC
 WATER COLUMN: 36 FT DRAWDOWN VOLUME: — GAL PID WELL MOUTH: — PPM DISCHARGE TIMER SETTING: NA SEC
 CALCULATED GAL/VOL: NA GAL TOTAL VOL. PURGED: 61 GAL DRAWDOWN/TOTAL PURGED: NA PSI
(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

WELL INTEGRITY
 YES NO N/A
 CAP _____ X
 CASING _____ X
 LOCKED _____ X
 COLLAR _____ X

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
0946										BEGIN PURGING
0953	61	~300	8.57	0.054	5.91	1.74	21000	35.6	42	
0955										Collected gw Sample @ DP-18
										Final Values
			9	0.054	5.9	1.7	>1.0E3	36	(LB)	

SAMPLE OBSERVATIONS: CLEAR COLORED off white CLOUDY TURBID Sandy ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC SUBMERSIBLE BLADDER	<input checked="" type="checkbox"/> LIQUINOX DEIONIZED WATER	<input checked="" type="checkbox"/> SILICON TUBING	<input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL
<input type="checkbox"/> WATTERA	<input type="checkbox"/> POTABLE WATER	<input type="checkbox"/> TEFLON TUBING	<input type="checkbox"/> PVC PUMP MATERIAL
<input type="checkbox"/> OTHER	<input type="checkbox"/> NITRIC ACID	<input checked="" type="checkbox"/> HDPE TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN
<input type="checkbox"/> OTHER	<input type="checkbox"/> HEXANE	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> TEFLON BLADDER
	<input type="checkbox"/> METHANOL	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER
	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER

EQUIPMENT USED
 WATER LEVEL METER
 PID MINI RAE
 WQ METER YSI 556 (PINE)
 TURB. METER HACH 2100P (PINE)
 PUMP
 OTHER
 FILTERS NO. _____ TYPE _____

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	✓		SEE ABOVE

NOTES
 Screening interval: 40' to 42' bgs
 PID = 2.1 PPM

SKETCH
 see DP-18 depth interval b=12'

PURGE OBSERVATIONS

PURGE WATER: YES NO NUMBER OF GALLONS GENERATED: 1

CONTAINERIZED: YES NO

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Checked By: [Signature] Date: 12/20/10
 Print Name: Brandon Shaw

FIGURE 4-10
 GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME Gent Uniform	
PROJECT NUMBER 3612092134-04.1	
SAMPLE ID 130056 GW 018 47X	SAMPLE TIME 1005

SAMPLE LOCATION DP-18	DATE 12-15-2010
START TIME 0955	END TIME 1005
SITE NAME/NUMBER NYSDEC Site 130056	PAGE 1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 15"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP) 6.1 FT FINAL DTW (BMP) - FT PROT. CASING STICKUP (AGS) NA FT

SAMPLE DEPTH (BMP) 47 FT SCREEN LENGTH 2 FT PID AMBIENT AIR 0.0 PPM

WATER COLUMN 41 FT DRAWDOWN VOLUME - GAL PID WELL MOUTH - PPM

CALCULATED GAL/VOL NA GAL TOTAL VOL. PURGED 1 GAL DRAWDOWN/TOTAL PURGED NA

WELL INTEGRITY YES NO N/A
 CAP _____ X
 CASING _____ X
 LOCKED _____ X
 COLLAR _____ X

TOC/TOR DIFFERENCE NA FT
 REFILL TIMER SETTING NA SEC
 DISCHARGE TIMER SETTING NA SEC
 PRESSURE TO PUMP NA PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
OFF										BEGIN PURGING
1003	6.1	-30	8.50	0.043	5.83	1.62	71000	40.7	47	
1005										Collected gw sample @ DP-18
										Final values
			9	0.043	5.8	1.6	>1.0E ³	71	(47)	

SAMPLE OBSERVATIONS: CLEAR _____ COLORED lt blue CLOUDY TURBID _____ ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER

DECON FLUIDS USED: LIQUINOX, DEIONIZED WATER, POTABLE WATER, NITRIC ACID, HEXANE, METHANOL, OTHER

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING, TEFLON TUBING, TEFLON LINED TUBING, HDPE TUBING, LDPE TUBING, OTHER

EQUIPMENT USED: WATER LEVEL METER, PID MINI RAE, WQ METER YSI 556 (PINE), TURB. METER HACH 2100P (PINE), PUMP, OTHER, FILTERS NO. _____ TYPE _____

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES

screening interval: 45' to 47' 3gr
 PID = 0.1 ppm

SKETCH

see DP-18 depth interval 10' to 12'

PURGE OBSERVATIONS

PURGE WATER YES NO NUMBER OF GALLONS GENERATED 1

CONTAINERIZED YES NO

NO-PURGE METHOD UTILIZED YES NO

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature]
 Checked By: [Signature]
 Print Name: Brandon Shaw
 Date: 12/20/10

FIGURE 4-10
 GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134-04.1

SAMPLE ID: 130056 Gw01852X SAMPLE TIME: 1015

SAMPLE LOCATION: DP-18 DATE: 12-15-2010

START TIME: 1005 END TIME: 1015

SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 6.1 FT FINAL DTW (BMP): - FT PROT. CASING STICKUP (AGS): NA FT

SAMPLE DEPTH (BMP): 52 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.0 PPM

WATER COLUMN: 46 FT DRAWDOWN VOLUME: - GAL PID WELL MOUTH: - PPM

CALCULATED GAL/VOL: NA GAL TOTAL VOL. PURGED: 1 GAL DRAWDOWN/ TOTAL PURGED: NA

WELL INTEGRITY: YES NO N/A

CAP CASING LOCKED COLLAR

TOC/TOR DIFFERENCE: NA FT

REFILL TIMER SETTING: NA SEC

DISCHARGE TIMER SETTING: NA SEC

PRESSURE TO PUMP: NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1006										BEGIN PURGING
1014	<u>6.1</u>	<u>~3.5</u>	<u>10.59</u>	<u>0.050</u>	<u>5.89</u>	<u>0.70</u>	<u>71.000</u>	<u>-3.7</u>	<u>52</u>	
1015	<u>Collected for sample @ DP-18</u>									
1045	<u>FINAL VALUES</u>									
			<u>11</u>	<u>0.050</u>	<u>5.9</u>	<u>0.7</u>	<u>71.0E3</u>	<u>-3.7</u>	<u>(LB)</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED DK Olive CLOUDY TURBID silty ODOR OTHER (see notes)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8250B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES

Screening interval: 50' to 52' bgs
PID = 0.3 ppm

SKETCH

See DP-18 depth interval 10' to 12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO

NO-PURGE METHOD UTILIZED: YES NO

NUMBER OF GALLONS GENERATED: 1

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw

Checked By: [Signature] Date: 12/20/10

P:\Projects\msect\qapp\2010 Revised Figures\Figure 4-10 Geoprobe GW Grab,Pore Water.xls

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134-04.1

SAMPLE ID: 1300566W01912X SAMPLE TIME: 1115

SAMPLE LOCATION: DP-19 DATE: 12-15-2010

START TIME: 1100 END TIME: 1115

SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 5.7 FT FINAL DTW (BMP): - FT PROT. CASING STICKUP (AGS): NA FT

SAMPLE DEPTH (BMP): 12 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.1 PPM

WATER COLUMN: 4.6 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): - GAL

CALCULATED GALVOL: NA GAL TOTAL VOL. PURGED: 1 GAL DRAWDOWN/ TOTAL PURGED: NA

WELL INTEGRITY: YES NO N/A

CAP: CASING LOCKED: COLLAR:

TOC/TOR DIFFERENCE: NA FT REFILL TIMER SETTING: NA SEC

DISCHARGE TIMER SETTING: NA SEC PRESSURE TO PUMP: NA PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1103										BEGIN PURGING
1113	5.7	~250	9.25	0.571	6.20	1.63	71000	-59.8	12	
1115										Collected per sample e DP-19
/BAT FINAL VALUES										
			9	0.571	6.2	1.6	21.0E3	-60	(CB)	

SAMPLE OBSERVATIONS: CLEAR COLORED DK Olive CLOUDY TURBID X, very smth ODOOR + OTHER (see notes)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER WATERA OTHER

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER FILTERS NO. TYPE

ANALYTICAL PARAMETERS

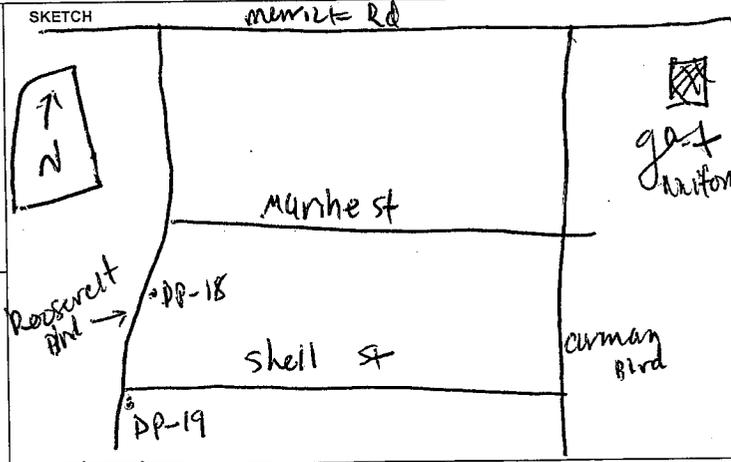
PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SEE ABOVE

NOTES

Screening interval: 10' to 12' bgs

PID = 0.4 PPM

collected w/ wsp here also



PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO

NO-PURGE METHOD UTILIZED: YES NO

NUMBER OF GALLONS GENERATED: 1

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature]

Print Name: Brandon Sheen

Checked By: [Signature]

Date: 12/22/10

Sketch above is not drawn to scale.

FIGURE 4-10
GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME Gent Uniform		SAMPLE LOCATION DP-19	DATE 12-15-2010
PROJECT NUMBER 3612092134-04.1		START TIME 1115	END TIME 1125
SAMPLE ID 1300566w01917X	SAMPLE TIME 1125	SITE NAME/NUMBER NYSDEC Site 130056	PAGE 1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP) 5.7 FT FINAL DTW (BMP) - FT PROT. CASING STICKUP (AGS) NA FT TOC/TOR DIFFERENCE NA FT

SAMPLE DEPTH (BMP) 17 FT SCREEN LENGTH 2 FT PID AMBIENT AIR 0.1 PPM REFILL TIMER SETTING NA SEC

WATER COLUMN ~12 FT DRAWDOWN VOLUME - GAL PID WELL MOUTH - PPM DISCHARGE TIMER SETTING NA SEC

CALCULATED GALVOL NA GAL TOTAL VOL. PURGED ~1 GAL DRAWDOWN/ TOTAL PURGED NA PSI

(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1116										BEGIN PURGING
1123	5.7	~350	12.10	0.285	6.44	1.07	71000	-40.1	17	
1125										Collected gw sample EDP-19
										Final values
	12			0.285	6.4	1.1	>1.0E3	-40	(18)	

SAMPLE OBSERVATIONS: CLEAR _____ COLORED blue brown CLOUDY _____ TURBID ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

<p>TYPE OF PUMP</p> <input checked="" type="checkbox"/> PERISTALTIC SUBMERSIBLE BLADDER <input type="checkbox"/> WATERA <input type="checkbox"/> OTHER _____	<p>DECON FLUIDS USED</p> <input checked="" type="checkbox"/> LIQUINOX <input checked="" type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER _____	<p>TUBING/PUMP/BLADDER MATERIALS</p> <input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input checked="" type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____	<p>EQUIPMENT USED</p> <input checked="" type="checkbox"/> WATER LEVEL METER <input checked="" type="checkbox"/> PID MINI RAE <input checked="" type="checkbox"/> WQ METER YSI 556 (PINE) <input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE) <input type="checkbox"/> PUMP <input type="checkbox"/> OTHER _____ <input type="checkbox"/> FILTERS NO. _____ TYPE _____
---	---	---	--

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	✓		SEE ABOVE

NOTES
 screening interval: 15' to 17' bgs
 PID: 0.3 ppm

SKETCH
 See DP-19 depth interval 10' - 12'

PURGE OBSERVATIONS

PURGE WATER YES NO NUMBER OF GALLONS GENERATED ~1

CONTAINERIZED YES NO

NO-PURGE METHOD UTILIZED YES NO

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature:

Print Name: Brandon Shaw

Checked By:

Date: 12/22/10

FIGURE 4-10
 GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME	Gent Uniform
PROJECT NUMBER	3612092134-04.1
SAMPLE ID	130656 CW01922X
SAMPLE TIME	1135

SAMPLE LOCATION	DP-19	DATE	12-15-2010
START TIME	1125	END TIME	1135
SITE NAME/NUMBER	NYSDEC Site 130056	PAGE	1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY

YES	NO	N/A
CAP	_____	X
CASING	_____	X
LOCKED	_____	X
COLLAR	_____	X

DEPTH TO WATER (BMP)	5.7 FT	FINAL DTW (BMP)	— FT	PROT. CASING STICKUP (AGS)	NA FT	TOC/TOR DIFFERENCE	NA FT
SAMPLE DEPTH (BMP)	22 FT	SCREEN LENGTH	2 FT	PID AMBIENT AIR	0.1 PPM	REFILL TIMER SETTING	NA SEC
WATER COLUMN	4.6 FT	DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041)	— GAL	PID WELL MOUTH	— PPM	DISCHARGE TIMER SETTING	NA SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	NA GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	~1 GAL	DRAWDOWN/ TOTAL PURGED	NA	PRESSURE TO PUMP	NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1126										BEGIN PURGING
1132	5.7	350	11.69	0.106	6.41	1.54	71000	-17.3	22	
1135	Collected for Sample at DP-19									
134										Final Valve
			12	0.106	6.4	1.5	71.0E3	-17	(2)	

SAMPLE OBSERVATIONS: CLEAR COLORED 40.0 LTR CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC SUBMERSIBLE BLADDER	<input checked="" type="checkbox"/> LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER	<input checked="" type="checkbox"/> SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER OTHER	<input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL PVC PUMP MATERIAL GEOPROBE SCREEN TEFLON BLADDER OTHER OTHER OTHER	<input checked="" type="checkbox"/> WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER FILTERS NO. _____ TYPE _____
---	--	--	---	--

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	✓		SEE ABOVE

NOTES

Screening interval: 20' to 22' by 5
 PP = 0.2 ppm

SKETCH

See DP-19 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER YES NO NUMBER OF GALLONS GENERATED 4.1

CONTAINERIZED YES NO

NO-PURGE METHOD UTILIZED YES NO

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature:

Brandon Shaw
 Print Name:

Checked By:

Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME Gent Uniform	
PROJECT NUMBER 3612092134-04.1	
SAMPLE ID 1306566w01927X	SAMPLE TIME 1145

SAMPLE LOCATION DP-19	DATE 12-15-2010
START TIME 1135	END TIME 1145
SITE NAME/NUMBER NYSDEC Site 130056	PAGE 1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP) 5.7 FT FINAL DTW (BMP) - FT PROT. CASING STICKUP (AGS) NA FT TOC/TOR DIFFERENCE NA FT

SAMPLE DEPTH (BMP) 27 FT SCREEN LENGTH 2 FT PID AMBIENT AIR 0.1 PPM REFILL TIMER SETTING NA SEC

WATER COLUMN 21 FT DRAWDOWN VOLUME - GAL PID WELL MOUTH - PPM DISCHARGE TIMER SETTING NA SEC

CALCULATED GAL/VOL NA GAL TOTAL VOL. PURGED - GAL DRAWDOWN/TOTAL PURGED NA PSI

(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1136										BEGIN PURGING
1144	5.7	350	12.79	0.099	6.26	1.31	71000	-9.4	27	
1145										Collected gw sample @ DP-19
1145										Final values
			13	0.099	6.3	1.3	21.0E3	-9.4		

SAMPLE OBSERVATIONS: CLEAR COLORED (Dive team) CLOUDY TURBID (some sand) ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
<input checked="" type="checkbox"/> PERISTALTIC	<input type="checkbox"/> SUBMERSIBLE BLADDER	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> DEIONIZED WATER	<input checked="" type="checkbox"/> SILICON TUBING	<input type="checkbox"/> S. STEEL PUMP MATERIAL	<input checked="" type="checkbox"/> WATER LEVEL METER	<input checked="" type="checkbox"/> PID MINI RAE
<input type="checkbox"/> WATTERA	<input type="checkbox"/> OTHER	<input type="checkbox"/> POTABLE WATER	<input type="checkbox"/> NITRIC ACID	<input type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> PVC PUMP MATERIAL	<input checked="" type="checkbox"/> WQ METER YSI 556 (PINE)	<input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE)
<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> HEXANE	<input type="checkbox"/> METHANOL	<input checked="" type="checkbox"/> HDPE TUBING	<input type="checkbox"/> GEOPROBE SCREEN	<input type="checkbox"/> PUMP	<input type="checkbox"/> OTHER
<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> TEFLON BLADDER	<input type="checkbox"/> FILTERS NO. _____ TYPE _____	

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES

Screening interval: 20' to 22' bgs
PID's 0.2 ppm

SKETCH

see DP-19 depth interval 10' - 12'

PURGE OBSERVATIONS

PURGE WATER YES NO NUMBER OF GALLONS GENERATED 21

CONTAINERIZED YES NO

NO-PURGE METHOD UTILIZED YES NO

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature:

Print Name: Brandon Shaw

Checked By:

Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 130056 GW019 32X SAMPLE TIME: 1155

SAMPLE LOCATION: DP-19 DATE: 12-15-2010
 START TIME: 1145 END TIME: 1155
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____
 WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"
 TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

WELL INTEGRITY
 YES NO N/A
 CAP _____ _____
 CASING _____ _____
 LOCKED _____ _____
 COLLAR _____ _____

DEPTH TO WATER (BMP): 5.7 FT FINAL DTW (BMP): _____ FT PROT. CASING STICKUP (AGS): NA FT
 SAMPLE DEPTH (BMP): 32 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.0 PPM
 WATER COLUMN: 226 FT DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041): _____ GAL
 CALCULATED GAL/VOL: NA GAL TOTAL VOL. PURGED: 1 GAL DRAWDOWN/ TOTAL PURGED: NA
(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

TOC/TOR DIFFERENCE: NA FT

REFILL TIMER SETTING: NA SEC

DISCHARGE TIMER SETTING: NA SEC

PRESSURE TO PUMP: NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1146</u>										BEGIN PURGING
<u>1154</u>	<u>5.7</u>	<u>350</u>	<u>8.32</u>	<u>0.051</u>	<u>6.02</u>	<u>1.57</u>	<u>71000</u>	<u>32.6</u>	<u>32</u>	
<u>1155</u>										Collected gw sample @ DP-19
<u>BA3</u>										FINAL VALUES
			<u>8</u>	<u>0.051</u>	<u>6.0</u>	<u>1.6</u>	<u>>1.0E³</u>	<u>33</u>	<u>(6)</u>	

SAMPLE OBSERVATIONS: CLEAR _____ COLORED 0.1% CLOUDY TURBID _____ ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
 PERISTALTIC SUBMERSIBLE BLADDER
 WATERA OTHER _____
 OTHER _____

DECON FLUIDS USED
 LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS
 SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HOPE TUBING LDPE TUBING OTHER _____
 S. STEEL PUMP MATERIAL PVC PUMP MATERIAL GEOPROBE SCREEN TEFLON BLADDER OTHER _____
 OTHER _____

EQUIPMENT USED
 WATER LEVEL METER PID: MINI RAE
 WQ METER: YSI 556 (PINE)
 TURB. METER: HACH 2100P (PINE)
 PUMP _____
 OTHER _____
 FILTERS: NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 ML</u>	<input checked="" type="checkbox"/>		<u>SEE ABOVE</u>

NOTES

Screening interval: 30' to 32' bgs
 PID: 0.2 ppb

SKETCH

See DP-19 depth interval 10' - 12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: 1
 NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

Sampler Signature: [Signature]

Print Name: Brandon Shaw

Checked By: [Signature]

Date: 12/20/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME	Gent Uniform
PROJECT NUMBER	3612092134-04.1
SAMPLE ID	1300566w0193 TX
SAMPLE TIME	1205

SAMPLE LOCATION	DP-19	DATE	12-15-2010
START TIME	1155	END TIME	1205
SITE NAME/NUMBER	NYSDEC Site 130056	PAGE	1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP)	5.7 FT	FINAL DTW (BMP)	- FT	PROT. CASING STICKUP (AGS)	NA FT	TOC/TOR DIFFERENCE	NA FT
SAMPLE DEPTH (BMP)	37 FT	SCREEN LENGTH	2 FT	PID AMBIENT AIR	0.1 PPM	REFILL TIMER SETTING	NA SEC
WATER COLUMN	~31 FT	DRAWDOWN VOLUME (initial DTW-final DTW X well diam. squared X 0.041)	- GAL	PID WELL MOUTH	- PPM	DISCHARGE TIMER SETTING	NA SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	NA GAL	TOTAL VOL. PURGED	~1 GAL	DRAWDOWN/ TOTAL PURGED	NA	PRESSURE TO PUMP	NA PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1156										BEGIN PURGING
1203	5.7	~350	9.92	0.044	5.93	1.53	71000	38.1	37	
1205										Collected for sample @ DP-19
										Final values
			10	0.044	5.9	1.5	71.063	38	(CB)	

SAMPLE OBSERVATIONS: CLEAR COLORED Olive Brown CLOUDY TURBID ODOR OTHER (see notes) _____

TYPE OF PUMP		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
<input checked="" type="checkbox"/> PERISTALTIC	<input type="checkbox"/> SUBMERSIBLE	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> DEIONIZED WATER	<input checked="" type="checkbox"/> SILICON TUBING	<input type="checkbox"/> S. STEEL PUMP MATERIAL	<input checked="" type="checkbox"/> WATER LEVEL METER	<input checked="" type="checkbox"/> PID
<input type="checkbox"/> BLADDER	<input type="checkbox"/> WATTERA	<input type="checkbox"/> POTABLE WATER	<input type="checkbox"/> NITRIC ACID	<input type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> PVC PUMP MATERIAL	<input checked="" type="checkbox"/> MINI RAE	<input checked="" type="checkbox"/> WQ METER
<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> HEXANE	<input type="checkbox"/> METHANOL	<input checked="" type="checkbox"/> HDPE TUBING	<input type="checkbox"/> GEOPROBE SCREEN	<input checked="" type="checkbox"/> YSI 556 (PINE)	<input checked="" type="checkbox"/> TURB. METER
		<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> TEFLON BLADDER	<input checked="" type="checkbox"/> HACH 2100P (PINE)	<input type="checkbox"/> PUMP
				<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> FILTERS
				<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> NO.	<input type="checkbox"/> TYPE

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE

NOTES

Screening interval: 35' to 37' bgs

PID: 0.2 ppms

SKETCH

See DP-19 depth interval 10' to 12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO

NO-PURGE METHOD UTILIZED YES NO

NUMBER OF GALLONS GENERATED ~1

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature:

Print Name: Brandon Shaw

Checked By:

Date: 12/22/10

FIGURE 4-10
GROUNDWATER/ PORE WATER GRAB-SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME	Gent Uniform
PROJECT NUMBER	3612092134-04.1
SAMPLE ID	130056GW01942X
SAMPLE TIME	1215

SAMPLE LOCATION	DP-19	DATE	12-15-2010
START TIME	1205	END TIME	1215
SITE NAME/NUMBER	NYSDEC Site 130056	PAGE	1 OF 1

SAMPLE TYPE	<input checked="" type="checkbox"/> GRAB	<input type="checkbox"/> WELL/PIEZOMETER	<input checked="" type="checkbox"/> GEOPROBE	<input type="checkbox"/> PORE WATER	<input type="checkbox"/> OUTFALL	<input type="checkbox"/> OTHER	WELL INTEGRITY		
WELL DIAMETER (INCHES)	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 4	<input type="checkbox"/> 6	<input type="checkbox"/> 8	<input checked="" type="checkbox"/> OTHER 1.5"	YES	NO	N/A
TUBING ID (INCHES)	<input type="checkbox"/> 1/8	<input type="checkbox"/> 1/4	<input checked="" type="checkbox"/> 3/8	<input type="checkbox"/> 1/2	<input type="checkbox"/> 5/8	<input type="checkbox"/> OTHER	CAP	---	X
MEASUREMENT POINT (MP)	<input type="checkbox"/> TOP OF RISER (TOR)	<input type="checkbox"/> TOP OF CASING (TOC)	<input checked="" type="checkbox"/> OTHER below ground surface			CASING	---	---	X
DEPTH TO WATER (BMP)	5.7 FT	FINAL DTW (BMP)	- FT	PROT. CASING STICKUP (AGS)	NA FT	TOC/TOR DIFFERENCE	---	---	NA FT
SAMPLE DEPTH (BMP)	42 FT	SCREEN LENGTH	2 FT	PID AMBIENT AIR	0.0 PPM	REFILL TIMER SETTING	---	---	NA SEC
WATER COLUMN	236 FT	DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041)	- GAL	PID WELL MOUTH	- PPM	DISCHARGE TIMER SETTING	---	---	NA SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	NA GAL	TOTAL VOL. PURGED	1 GAL	DRAWDOWN/ TOTAL PURGED	NA	PRESSURE TO PUMP	---	---	NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1206										BEGIN PURGING
1213	5.7	~350	9.29	0.035	5.76	2.12	71008	61.3	42	
1215										Collected gw sample e DP-19
1215										Final valves
1215			9	0.035	5.8	2.1	71063	61	42	

SAMPLE OBSERVATIONS: CLEAR COLORED Lt Brown CLOUDY TURBID ODOR OTHER (see notes)

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC SUBMERSIBLE BLADDER	<input checked="" type="checkbox"/> LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER	<input checked="" type="checkbox"/> SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER OTHER	<input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL PVC PUMP MATERIAL GEOPROBE SCREEN TEFLON BLADDER OTHER OTHER OTHER	<input checked="" type="checkbox"/> WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER FILTERS NO. TYPE
---	--	--	---	--

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES

Screening interval: 40' to 42' bgs
PID: 0.2 ppm

SKETCH

See DP-19, depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	NUMBER OF GALLONS GENERATED	~1
NO-PURGE METHOD UTILIZED	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.	

Sampler Signature:

Print Name: Brandon Skand

Checked By:

Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134-04.1

SAMPLE ID: 130056GW01947X SAMPLE TIME: 1225

SAMPLE LOCATION: DP-19 DATE: 12-15-2010

START TIME: 1215 END TIME: 1225

SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER 15"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP): 5.7 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT TOC/TOR DIFFERENCE: NA FT

SAMPLE DEPTH (BMP): 47 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.0 PPM REFILL TIMER SETTING: NA SEC

WATER COLUMN: ~41 FT DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041): — GAL PID WELL MOUTH: — PPM DISCHARGE TIMER SETTING: NA SEC

CALCULATED GALVOL (column X well diameter squared X 0.041): NA GAL TOTAL VOL. PURGED: ~1 GAL DRAWDOWN/ TOTAL PURGED: NA PRESSURE TO PUMP: NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1216</u>										BEGIN PURGING
<u>1223</u>	<u>5.7</u>	<u>~350</u>	<u>9.50</u>	<u>0.43</u>	<u>5.81</u>	<u>1.31</u>	<u>71000</u>	<u>55.6</u>	<u>47</u>	
<u>1225</u>										Collected for sample @ DP-19
										Final values
			<u>10</u>	<u>0.043</u>	<u>5.8</u>	<u>1.3</u>	<u>71.0E3</u>	<u>56</u>	<u>48</u>	

SAMPLE OBSERVATIONS: CLEAR _____ COLORED 40 live CLOUDY TURBID _____ ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER WATERA OTHER _____

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>		<u>SEE ABOVE</u>

NOTES

Screening interval = 45' to 47' bgs
PID: 0.1 ppm

SKETCH

See DP-19 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER: YES NO NUMBER OF GALLONS GENERATED: ~1

CONTAINERIZED: NO-PURGE METHOD UTILIZED: YES NO

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: _____

Print Name: Brandon Shaw

Checked By: [Signature]

Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134-04.1

SAMPLE ID: 130056GW01952X SAMPLE TIME: 1235

SAMPLE LOCATION: DP-19 DATE: 12-15-2010

START TIME: 1225 END TIME: 1250

SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 5.7 FT FINAL DTW (BMP): - FT PROT. CASING STICKUP (AGS): NA FT TOC/TOR DIFFERENCE: NA FT

SAMPLE DEPTH (BMP): 52 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.1 PPM REFILL TIMER SETTING: NA SEC

WATER COLUMN: ~46 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): - GAL PID WELL MOUTH: - PPM DISCHARGE TIMER SETTING: NA SEC

CALCULATED GALVOL (column X well diameter squared X 0.041): NA GAL TOTAL VOL. PURGED: ~1 GAL DRAWDOWN/TOTAL PURGED: NA PRESSURE TO PUMP: NA PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1226</u>										BEGIN PURGING
<u>1234</u>	<u>5.7</u>	<u>~250</u>	<u>10.23</u>	<u>0.039</u>	<u>5.70</u>	<u>1.29</u>	<u>71000</u>	<u>51.3</u>	<u>~52</u>	
<u>1235</u>										Collected for sample # DP-19
<u>1235</u>										FINAL VALUES
			<u>10</u>	<u>0.039</u>	<u>5.7</u>	<u>1.3</u>	<u>>1.0E3</u>	<u>51</u>	<u>(48)</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

<p>TYPE OF PUMP</p> <input checked="" type="checkbox"/> PERISTALTIC <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> BLADDER <input type="checkbox"/> WATERA <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____	<p>DECON FLUIDS USED</p> <input checked="" type="checkbox"/> LIQUINOX <input checked="" type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER _____	<p>TUBING/PUMP/BLADDER MATERIALS</p> <input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input checked="" type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____	<p>EQUIPMENT USED</p> <input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL <input type="checkbox"/> PVC PUMP MATERIAL <input checked="" type="checkbox"/> GEOPROBE SCREEN <input type="checkbox"/> TEFLON BLADDER <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____	<p>EQUIPMENT USED</p> <input checked="" type="checkbox"/> WATER LEVEL METER <input checked="" type="checkbox"/> PID MINI RAE <input checked="" type="checkbox"/> WQ METER YSI 556 (PINE) <input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE) <input type="checkbox"/> PUMP <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____ FILTERS NO. _____ TYPE _____
---	---	---	---	---

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE

NOTES

screening interval: 50' to 52' bgs
 PID: 0.1 ppm

SKETCH

See DP-19 for depth interval 10' - 12'

PURGE OBSERVATIONS

PURGE WATER: YES NO NUMBER OF GALLONS GENERATED: ~1

CONTAINERIZED: YES NO

NO-PURGE METHOD UTILIZED: YES NO

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shew

Checked By: [Signature] Date: 12/22/10

P:\Projects\Nysdec\10app\2010 Revised Figures\Figure 4-10 Geoprobe GW Grab,Pore Water.xlsx

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME Gent Uniform	
PROJECT NUMBER 3612092134-04.1	
SAMPLE ID 130056GW02007X	SAMPLE TIME 1530

SAMPLE LOCATION DP-20	DATE 12-15-20
START TIME 1510	END TIME 1530
SITE NAME/NUMBER NYSDEC Site 130056	PAGE 1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP) 6.0 FT	FINAL DTW (BMP) - FT	PROT. CASING STICKUP (AGS) NA FT	TOC/TOR DIFFERENCE NA FT
SAMPLE DEPTH (BMP) 7 FT	SCREEN LENGTH 2 FT	PID AMBIENT AIR 60.1 PPM	REFILL TIMER SETTING NA SEC
WATER COLUMN ~1 FT	DRAWDOWN VOLUME (initial DTW-final DTW X well diam. squared X 0.041) - GAL	PID WELL MOUTH - PPM	DISCHARGE TIMER SETTING NA SEC
CALCULATED GALVOL (column X well diameter squared X 0.041) NA GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL) 0.1 GAL	DRAWDOWN/ TOTAL PURGED NA	PRESSURE TO PUMP NA PSI

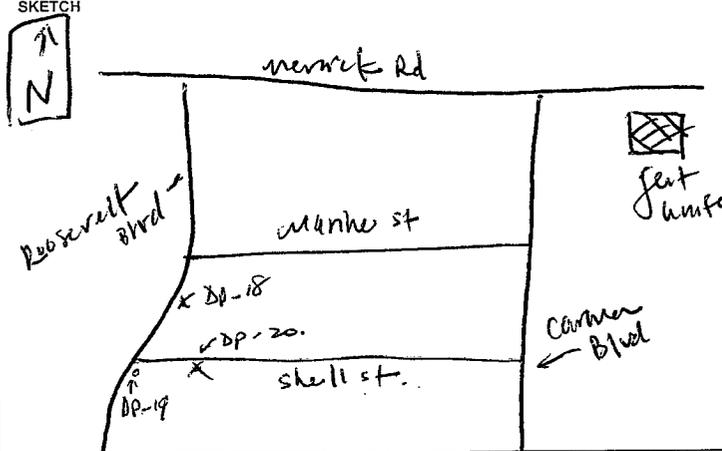
TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1517										BEGIN PURGING
1528	6.0	~50	6.35	0.448	6.18	8.31	210	10.1	7	
1530										Collected for Sample # DP-20
										FINAL VALUES
			6	0.448	6.2	8.3	2.1E ²	10	7	

SAMPLE OBSERVATIONS: CLEAR COLORED CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION		DECON FL ¹ IDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
<input checked="" type="checkbox"/> PERISTALTIC	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> SILICON TUBING	<input type="checkbox"/> S. STEEL PUMP MATERIAL	<input checked="" type="checkbox"/> WATER LEVEL METER	<input checked="" type="checkbox"/> MINI RAE	<input checked="" type="checkbox"/> YSI 556 (PINE)	<input checked="" type="checkbox"/> HACH 2100P (PINE)
<input type="checkbox"/> SUBMERSIBLE	<input type="checkbox"/> DEIONIZED WATER	<input type="checkbox"/> TEFLON TUBING	<input type="checkbox"/> PVC PUMP MATERIAL	<input checked="" type="checkbox"/> GEOPROBE SCREEN	<input type="checkbox"/> PUMP	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER
<input type="checkbox"/> BLADDER	<input type="checkbox"/> POTABLE WATER	<input checked="" type="checkbox"/> HDPE TUBING	<input type="checkbox"/> GEOPROBE SCREEN	<input type="checkbox"/> TEFLON BLADDER	<input type="checkbox"/> FILTERS NO. _____	<input type="checkbox"/> TYPE _____	
<input type="checkbox"/> WATTERA	<input type="checkbox"/> NITRIC ACID	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> OTHER _____	<input type="checkbox"/> OTHER _____			
<input type="checkbox"/> OTHER _____	<input type="checkbox"/> HEXANE	<input type="checkbox"/> OTHER _____					
<input type="checkbox"/> OTHER _____	<input type="checkbox"/> METHANOL						
	<input type="checkbox"/> OTHER _____						

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES
Screening interval: 5' to 7' bgs
pH: 6.4 post



PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO

NO-PURGE METHOD UTILIZED: YES NO

NUMBER OF GALLONS GENERATED: ~0.1

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

Sampler Signature: *[Signature]*
Print Name: Brantha Shaw
Date: 12/22/06

P:\Projects\Nysdec\l\app\2010 Revised Figures\Figure 4-10 Geoprobe GW Grab.Pore Water.xlsx

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME Gent Uniform	
PROJECT NUMBER 3612092134-04.1	
SAMPLE ID 1300566W02017X	SAMPLE TIME 1600

SAMPLE LOCATION DP-20	DATE 12-15-2010
START TIME 1550	END TIME 1600
SITE NAME/NUMBER NYSDEC Site 130056	PAGE 1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY

YES	NO	N/A
CAP	---	X
CASING	---	X
LOCKED	---	X
COLLAR	---	X

DEPTH TO WATER (BMP) 6.0 FT	FINAL DTW (BMP) - FT	PROT. CASING STICKUP (AGS) NA FT	TOC/TOR DIFFERENCE NA FT
SAMPLE DEPTH (BMP) 17 FT	SCREEN LENGTH 2 FT	PID AMBIENT AIR 0.1 PPM	REFILL TIMER SETTING NA SEC
WATER COLUMN ~11 FT	DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041) - GAL	PID WELL MOUTH - PPM	DISCHARGE TIMER SETTING NA SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041) NA GAL	TOTAL VOL. PURGED ~1 GAL	DRAWDOWN/ TOTAL PURGED NA	PRESSURE TO PUMP NA PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1550										BEGIN PURGING
1559	6.0	~350	12.57	0.109	6.86	1.73	71000	-4.7	17	
1600										Collected groundwater sample
										Final values
			13	0.109	6.9	1.7	71000	-4.7	(17)	

SAMPLE OBSERVATIONS: CLEAR COLORED (brownish orange) CLOUDY TURBID ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC SUBMERSIBLE BLADDER	<input checked="" type="checkbox"/> LIQUINOX DEIONIZED WATER POTABLE WATER	<input checked="" type="checkbox"/> SILICON TUBING	<input type="checkbox"/> S. STEEL PUMP MATERIAL	<input checked="" type="checkbox"/> WATER LEVEL METER
<input type="checkbox"/> WATTERA	<input type="checkbox"/> NITRIC ACID	<input checked="" type="checkbox"/> TEFLON LINED TUBING	<input type="checkbox"/> PVC PUMP MATERIAL	<input checked="" type="checkbox"/> PID MINI RAE
<input type="checkbox"/> OTHER	<input type="checkbox"/> HEXANE	<input type="checkbox"/> HDPE TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN	<input checked="" type="checkbox"/> WQ METER YSI 556 (PINE)
	<input type="checkbox"/> METHANOL	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> TEFLON BLADDER	<input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE)
	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> PUMP
		<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER FILTERS NO. _____ TYPE _____

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES

screening interval: 15' to 17' by
PID: 0.3 ppt

SKETCH

See DP-20 depth interval 5' - 7'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO

NO-PURGE METHOD UTILIZED YES NO

NUMBER OF GALLONS GENERATED ~1

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: *[Signature]*

Print Name: Brandon Shaw

Checked By: *[Signature]*

Date: 12/22/10

P:\Projects\nysdec1\app\2010 Revised Figures\Figure 4-10 Geoprobe GW Grab,Pore Water.xlsx

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME	Gent Uniform
PROJECT NUMBER	3612092134-04.1
SAMPLE ID	130056 GWO2622X
SAMPLE TIME	1610

SAMPLE LOCATION	DP-26	DATE	12-15-2010
START TIME	1600	END TIME	1610
SITE NAME/NUMBER	NYSDEC Site 130056	PAGE	1 OF 1

SAMPLE TYPE	<input checked="" type="checkbox"/> GRAB	<input type="checkbox"/> WELL/PIEZOMETER	<input checked="" type="checkbox"/> GEOPROBE	<input type="checkbox"/> PORE WATER	<input type="checkbox"/> OUTFALL	<input type="checkbox"/> OTHER	WELL INTEGRITY				
WELL DIAMETER (INCHES)	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 4	<input type="checkbox"/> 6	<input type="checkbox"/> 8	<input checked="" type="checkbox"/> OTHER 15"	YES	NO	N/A		
TUBING ID (INCHES)	<input type="checkbox"/> 1/8	<input type="checkbox"/> 1/4	<input checked="" type="checkbox"/> 3/8	<input type="checkbox"/> 1/2	<input type="checkbox"/> 5/8	<input type="checkbox"/> OTHER	CAP	---	X		
MEASUREMENT POINT (MP)	<input type="checkbox"/> TOP OF RISER (TOR)		<input type="checkbox"/> TOP OF CASING (TOC)		<input checked="" type="checkbox"/> OTHER below ground surface		CASING	---	X		
DEPTH TO WATER (BMP)	6.0	FT	FINAL DTW (BMP)	-	FT	PROT. CASING STICKUP (AGS)	NA	FT	DIFFERENCE	NA	FT
SAMPLE DEPTH (BMP)	22	FT	SCREEN LENGTH	2	FT	PID AMBIENT AIR	0.1	PPM	REFILL TIMER SETTING	NA	SEC
WATER COLUMN	416	FT	DRAWDOWN VOLUME	2	GAL	PID WELL MOUTH	-	PPM	DISCHARGE TIMER SETTING	NA	SEC
CALCULATED GAL/VOL	NA	GAL	TOTAL VOL. PURGED	21	GAL	DRAWDOWN/TOTAL PURGED	NA		PRESSURE TO PUMP	NA	PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1609	6.6	350	10.32	0.071	6.55	1.31	71000	7.0	22	
1610	Collected gw Sample @ DP-20									
BAS FINAL VALUES										
			10	0.071	6.6	1.3	11000	7.0	22	

SAMPLE OBSERVATIONS: CLEAR COLORED reddish brown CLOUDY TURBID ODOR OTHER (see notes) Sandy

EQUIPMENT DOCUMENTATION		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
<input checked="" type="checkbox"/> PERISTALTIC SUBMERSIBLE BLADDER	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> SILICON TUBING	<input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL	<input checked="" type="checkbox"/> WATER LEVEL METER	<input checked="" type="checkbox"/> PID	<input checked="" type="checkbox"/> MINI RAE	<input checked="" type="checkbox"/> WQ METER YSI 556 (PINE)
<input type="checkbox"/> WATTERA	<input type="checkbox"/> DEIONIZED WATER	<input type="checkbox"/> TEFLON TUBING	<input type="checkbox"/> PVC PUMP MATERIAL	<input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE)	<input type="checkbox"/> GEOPROBE SCREEN	<input type="checkbox"/> PUMP	<input type="checkbox"/> OTHER
<input type="checkbox"/> OTHER	<input type="checkbox"/> POTABLE WATER	<input checked="" type="checkbox"/> HDPE TUBING	<input type="checkbox"/> GEOPROBE BLADDER	<input type="checkbox"/> FILTERS NO. TYPE	<input type="checkbox"/> TEFLON BLADDER	<input type="checkbox"/> OTHER	

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SEE ABOVE

NOTES
 Screening interval: 20' to 22' bgs
 PID: 0.5 ppm
 collected dup here also

SKETCH
 See DP-20 depth interval 5'-7'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: 1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature:

Print Name: Brandon Shaw

Checked By:

Date: 12/22/10

FIGURE 4-10
 GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME Gent Uniform
PROJECT NUMBER 3612092134-04.1
SAMPLE ID 130056GW02027X
SAMPLE TIME 1620

SAMPLE LOCATION DP-20	DATE 12-15-2010
START TIME 1610	END TIME 1620
SITE NAME/NUMBER NYSDEC Site 130056	PAGE 1 OF 1

SAMPLE TYPE <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> WELL/PIEZOMETER <input checked="" type="checkbox"/> GEOPROBE <input type="checkbox"/> PORE WATER <input type="checkbox"/> OUTFALL <input type="checkbox"/> OTHER _____	WELL INTEGRITY YES NO N/A CAP _____ CASING _____ LOCKED _____ COLLAR _____
WELL DIAMETER (INCHES) <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input checked="" type="checkbox"/> OTHER 1.5"	
TUBING ID (INCHES) <input type="checkbox"/> 1/8 <input type="checkbox"/> 1/4 <input checked="" type="checkbox"/> 3/8 <input type="checkbox"/> 1/2 <input type="checkbox"/> 5/8 <input type="checkbox"/> OTHER _____	
MEASUREMENT POINT (MP) <input type="checkbox"/> TOP OF RISER (TOR) <input type="checkbox"/> TOP OF CASING (TOC) <input checked="" type="checkbox"/> OTHER below ground surface	
DEPTH TO WATER (BMP) 6.0 FT	FINAL DTW (BMP) — FT
SAMPLE DEPTH (BMP) 27 FT	SCREEN LENGTH 2 FT
WATER COLUMN 21 FT	DRAWDOWN VOLUME — GAL
CALCULATED GAL/VOL NA GAL	TOTAL VOL. PURGED 1 GAL
(column X well diameter squared X 0.041)	(mL per minute X total minutes X 0.00026 gal/mL)
PROT. CASING STICKUP (AGS) NA FT	TOC/TOR DIFFERENCE NA FT
PID AMBIENT AIR 0.1 PPM	REFILL TIMER SETTING NA SEC
PID WELL MOUTH — PPM	DISCHARGE TIMER SETTING NA SEC
DRAWDOWN/ TOTAL PURGED NA	PRESSURE TO PUMP NA PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1611										BEGIN PURGING
1619	6.0	~300	10.92	0.051	6.35	1.64	7100 ⁰	22.6	-27	
1620										Collected SW sample @ DP-20
Final Values										
			11	0.051	6.4	1.6	71.0E3	23	(19)	

SAMPLE OBSERVATIONS: CLEAR COLORED **H Reddish Brown** CLOUDY TURBID _____ ODOR _____ OTHER (see notes) _____

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS	EQUIPMENT USED
<input checked="" type="checkbox"/> PERISTALTIC <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> BLADDER	<input checked="" type="checkbox"/> LIQUINOX <input checked="" type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER _____	<input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER _____	<input checked="" type="checkbox"/> WATER LEVEL METER <input checked="" type="checkbox"/> PID MINI RAE <input checked="" type="checkbox"/> WQ METER YSI 556 (PINE) <input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE) <input type="checkbox"/> PUMP <input type="checkbox"/> OTHER _____ FILTERS NO. _____ TYPE _____

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES
Screening interval: 25' to 27'
PID: 0.3 ppm

SKETCH
see DP-20 depth interval 5' - 7'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO NUMBER OF GALLONS GENERATED **1**

NO-PURGE METHOD UTILIZED YES NO If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

Sampler Signature: 
Print Name: **Brandon Shaw**
Checked By: 
Date: **12/22/10**

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 130056 Gw02032X SAMPLE TIME: 1630

SAMPLE LOCATION: DP-20 DATE: 12-15-2010
 START TIME: 1620 END TIME: 1630
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____
 WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"
 TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER: _____
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 6.0 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT TOC/TOR DIFFERENCE: NA FT
 SAMPLE DEPTH (BMP): ~32 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.1 PPM REFILL TIMER SETTING: NA SEC
 WATER COLUMN: ~26 FT DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041): — GAL PID WELL MOUTH: — PPM DISCHARGE TIMER SETTING: NA SEC
 CALCULATED GAL/VOL (column X well diameter squared X 0.041): NA GAL TOTAL VOL. PURGED (mL per minute X total minutes X 0.0026 gal/mL): ~1 GAL DRAWDOWN/ TOTAL PURGED: NA PRESSURE TO PUMP: NA PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1621</u>										<u>BEGIN PURGING</u>
<u>1629</u>	<u>6.0</u>	<u>~350</u>	<u>4.63</u>	<u>0.044</u>	<u>6.12</u>	<u>1.90</u>	<u>>1000</u>	<u>39.4</u>	<u>32</u>	
<u>1630</u>										<u>collected gw sample @ DP-20</u>
<u>DATA FINAL VALUES</u>										
			<u>10</u>	<u>0.044</u>	<u>6.1</u>	<u>1.9</u>	<u>>1.0E3</u>	<u>39</u>	<u>@</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> BLADDER	<input checked="" type="checkbox"/> LIQUINOX <input checked="" type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER _____	<input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input checked="" type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____	<input type="checkbox"/> S. STEEL PUMP MATERIAL <input type="checkbox"/> PVC PUMP MATERIAL <input checked="" type="checkbox"/> GEOPROBE SCREEN <input type="checkbox"/> TEFLON BLADDER <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____	<input checked="" type="checkbox"/> WATER LEVEL METER <input checked="" type="checkbox"/> PID MINI RAE <input checked="" type="checkbox"/> WQ METER YSI 556 (PINE) <input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE) <input type="checkbox"/> PUMP <input type="checkbox"/> OTHER _____ FILTERS NO. _____ TYPE _____
---	---	---	---	--

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 ML</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>SEE ABOVE</u>

NOTES
screening interval: 30' to 32' bgs
PID: 0.3 PPM

SKETCH
See DP-20 depth interval 5'-7'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: 1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Brander Shaw
 Checked By: [Signature] Date: 12/24/10

FIGURE 4-10
 GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134-04.1

SAMPLE ID: 136056 Gw02037X SAMPLE TIME: 1640

SAMPLE LOCATION: DP-20 DATE: 12-15-2010

START TIME: 1630 END TIME: 1640

SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER 1.5

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY

	YES	NO	N/A
CAP	—	—	X
CASING	—	—	X
LOCKED	—	—	X
COLLAR	—	—	X

DEPTH TO WATER (BMP): 6.0 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT TOC/TOR DIFFERENCE: NA FT

SAMPLE DEPTH (BMP): ~37 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.1 PPM REFILL TIMER SETTING: NA SEC

WATER COLUMN: -31 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): — GAL PID WELL MOUTH: — PPM DISCHARGE TIMER SETTING: NA SEC

CALCULATED GAL/VOL (column X well diameter squared X 0.041): NA GAL TOTAL VOL. PURGED: ~1 GAL DRAWDOWN/ TOTAL PURGED: NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1631										BEGIN PURGING
1638	6.0	~350	9.65	0.042	5.98	1.80	71000	55-2	37	
1640										Collected gw sample @ DP-20
										Final values
			10	0.042	6.0	1.8	71.005	55	(R)	

SAMPLE OBSERVATIONS: CLEAR COLORED Light CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

<p>TYPE OF PUMP</p> <p><input checked="" type="checkbox"/> PERISTALTIC</p> <p><input type="checkbox"/> SUBMERSIBLE</p> <p><input type="checkbox"/> BLADDER</p> <p><input type="checkbox"/> WATERA</p> <p><input type="checkbox"/> OTHER _____</p>	<p>DECON FLUIDS USED</p> <p><input checked="" type="checkbox"/> LIQUINOX</p> <p><input checked="" type="checkbox"/> DEIONIZED WATER</p> <p><input type="checkbox"/> POTABLE WATER</p> <p><input type="checkbox"/> NITRIC ACID</p> <p><input type="checkbox"/> HEXANE</p> <p><input type="checkbox"/> METHANOL</p> <p><input type="checkbox"/> OTHER _____</p>	<p>TUBING/PUMP/BLADDER MATERIALS</p> <p><input checked="" type="checkbox"/> SILICON TUBING</p> <p><input type="checkbox"/> TEFLON TUBING</p> <p><input type="checkbox"/> TEFLON LINED TUBING</p> <p><input checked="" type="checkbox"/> HDPE TUBING</p> <p><input type="checkbox"/> LDPE TUBING</p> <p><input type="checkbox"/> OTHER _____</p> <p><input type="checkbox"/> OTHER _____</p>	<p>EQUIPMENT USED</p> <p><input checked="" type="checkbox"/> WATER LEVEL METER</p> <p><input checked="" type="checkbox"/> PID MINI RAE</p> <p><input checked="" type="checkbox"/> WQ METER YSI 556 (PINE)</p> <p><input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE)</p> <p><input type="checkbox"/> PUMP</p> <p><input type="checkbox"/> OTHER _____</p> <p><input type="checkbox"/> FILTERS NO. _____ TYPE _____</p>
--	--	--	---

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	✓		SEE ABOVE

NOTES

screening interval: 35' to 37' bgs
 PD = 0.2 ppm

SKETCH

see DP-20 depth interval 5'-7'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature:

Print Name: Brandon Steinhilber

Checked By:

Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 130056GW02042X SAMPLE TIME: 1650

SAMPLE LOCATION: DP-20 DATE: 12-15-2010
 START TIME: 1640 END TIME: 1650
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____
 WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"
 TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 6.0 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT TOC/TOR DIFFERENCE: NA FT
 SAMPLE DEPTH (BMP): 42 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.1 PPM REFILL TIMER SETTING: NA SEC
 WATER COLUMN: 36 FT DRAWDOWN VOLUME (Initial DTW- final DTW X well diam. squared X 0.041): — GAL PID WELL MOUTH: — PPM DISCHARGE TIMER SETTING: NA SEC
 CALCULATED GAL/VOL (column X well diameter squared X 0.041): NA GAL TOTAL VOL. PURGED: 1 GAL DRAWDOWN/ TOTAL PURGED: NA PRESSURE TO PUMP: NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1641</u>										<u>BEGIN PURGING</u>
<u>1649</u>	<u>6.0</u>	<u>350</u>	<u>4.56</u>	<u>0.043</u>	<u>5.91</u>	<u>1.31</u>	<u>71000</u>	<u>56.4</u>	<u>42</u>	
<u>1650</u>										<u>Collected for sample DP-20</u>
<u>1650</u>										<u>FINAL VALUES</u>
			<u>10</u>	<u>0.043</u>	<u>5.9</u>	<u>1.3</u>	<u>>1.0E3</u>	<u>56</u>	<u>(42)</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
 PERISTALTIC SUBMERSIBLE BLADDER WATERA OTHER _____
DECON FLUIDS USED
 LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____
TUBING/PUMP/BLADDER MATERIALS
 SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____
EQUIPMENT USED
 WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>SEE ABOVE</u>

NOTES

screening interval = 40" to 42" bgs
PID = 0.1 PPM

SKETCH

see DP-20 depth interval 5'-7'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: 1
 NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw
 Checked By: [Signature] Date: 12/22/10

FIGURE 4-10
 GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 130056GW02047X SAMPLE TIME: 1700

SAMPLE LOCATION: DP-20 DATE: 12-15-2010
 START TIME: 1650 END TIME: 1700
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____
 WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER 1.5"
 TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY
 YES NO N/A
 CAP _____ _____ _____
 CASING _____ _____ _____
 LOCKED _____ _____ _____
 COLLAR _____ _____ _____

DEPTH TO WATER (BMP): 6.0 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT
 SAMPLE DEPTH (BMP): 47 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: _____ PPM
 WATER COLUMN: 41 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): _____ GAL
 CALCULATED GAL/VOL (column X well diameter squared X 0.041): NA GAL TOTAL VOL PURGED: ~1 GAL PID WELL MOUTH: _____ PPM
 TOC/TOR DIFFERENCE: NA FT REFILL TIMER SETTING: NA SEC
 DISCHARGE TIMER SETTING: NA SEC PRESSURE TO PUMP: NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1651</u>										BEGIN PURGING
<u>1658</u>	<u>6.0</u>	<u>~350</u>	<u>7.65</u>	<u>0.084</u>	<u>6.10</u>	<u>1.51</u>	<u>71000</u>	<u>20.2</u>	<u>47</u>	
<u>1700</u>										Collected gr sample @ DP-20
										FINAL VALUES
			<u>8</u>	<u>0.084</u>	<u>6.1</u>	<u>1.5</u>	<u>71.0E³</u>	<u>20</u>	<u>(47)</u>	

SAMPLE OBSERVATIONS: CLEAR _____ COLORED _____ CLOUDY _____ TURBID _____ ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER WATERA OTHER _____
 DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____
 TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____
 S. STEEL PUMP MATERIAL PVC PUMP MATERIAL GEOPROBE SCREEN TEFLON BLADDER OTHER _____
 EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>		<u>SEE ABOVE</u>

NOTES

Screening interval: 45' to 47' bgs
 PID: 1.5 ppm

SKETCH

see DP-20 depth interval 5-7'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~1
 NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: _____

Print Name: Brandon Shaw

Checked By: _____

Date: 12/24/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134-04.1

SAMPLE ID: 130056GW02052X SAMPLE TIME: 1710

SAMPLE LOCATION: DP-20 DATE: 12-15-2010

START TIME: 1700 END TIME: 1710

SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 6.0 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT TOC/TOR DIFFERENCE: NA FT

SAMPLE DEPTH (BMP): 52 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.1 PPM REFILL TIMER SETTING: NA SEC

WATER COLUMN: ~46 FT DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041): — GAL PID WELL MOUTH: — PPM DISCHARGE TIMER SETTING: NA SEC

CALCULATED GAL/VOL (column X well diameter squared X 0.041): NA GAL TOTAL VOL. PURGED: ~1 GAL DRAWDOWN/ TOTAL PURGED: NA PRESSURE TO PUMP: NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1701</u>										<u>BEGIN PURGING</u>
<u>1709</u>	<u>6.0</u>	<u>350</u>	<u>10.52</u>	<u>0.054</u>	<u>6.19</u>	<u>1.01</u>	<u>71000</u>	<u>1.0</u>	<u>52</u>	
<u>1710</u>										<u>Collected for sample DP-20</u>
<u>1715</u>										<u>Final Valves</u>
			<u>11</u>	<u>0.054</u>	<u>6.2</u>	<u>1.0</u>	<u>>1.0E3</u>	<u>1.0</u>	<u>65</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP

PERISTALTIC SUBMERSIBLE BLADDER WATERA OTHER _____

DECON FLUIDS USED

LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS

SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED

WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 ML</u>	<input checked="" type="checkbox"/>		<u>SEE ABOVE</u>

NOTES

screening interval: 50' to 52' by

PID: 0.3 ppm

SKETCH

see DP-20 depth interval 5'-7'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw

Checked By: [Signature] Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134-04.1

SAMPLE ID: 130056Gw02107X SAMPLE TIME: 1135

SAMPLE LOCATION: DP-21 DATE: 12-13-2010

START TIME: 1105 END TIME: 1135

SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 3.8 FT FINAL DTW (BMP): - FT PROT. CASING STICKUP (AGS): NA FT TOC/TOR DIFFERENCE: NA FT

SAMPLE DEPTH (BMP): 6.5 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.1 PPM REFILL TIMER SETTING: NA SEC

WATER COLUMN: ~2.5 FT DRAWDOWN VOLUME (initial DTW-final DTW X well diam. squared X 0.041): - GAL PID WELL MOUTH: - PPM DISCHARGE TIMER SETTING: NA SEC

CALCULATED GALVOL: NA GAL TOTAL VOL. PURGED: ~1.5 GAL DRAWDOWN/TOTAL PURGED: NA PRESSURE TO PUMP: NA PSI

(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1125										BEGIN PURGING
1130	3.8	300	10.61	1.224	7.02	1.08	>1000	-97.6	-6.5'	
1135										collected gw sample @ DP-21
/ BA FINAL VALUES										
			11	1.22	7.0	1.1	>1.0E ³	-98	(9)	

SAMPLE OBSERVATIONS: CLEAR COLORED CLOUDY TURBID DK Brown ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER WATERA OTHER: foot valve

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

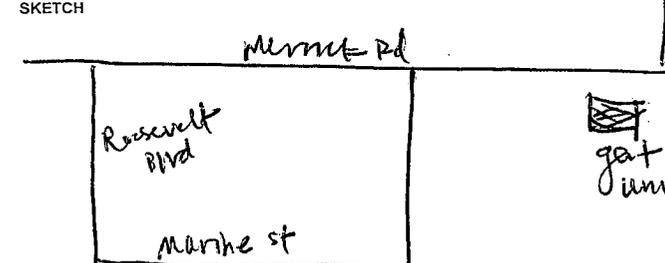
EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE

NOTES

screening interval: 5' to 7' bgs

PID: 0.7 ppb.



PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~1.5

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw

Checked By: [Signature] Date: 12/22/10

Sketch not drawn to scale

FIGURE 4-10
GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 130056GW02112X SAMPLE TIME: 1155

SAMPLE LOCATION: DP-21 DATE: 12-13-2010
 START TIME: 1140 END TIME: 1155
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____
 WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"
 TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 3.8 FT FINAL DTW (BMP): - FT PROT. CASING STICKUP (AGS): NA FT TOC/TOR DIFFERENCE: NA FT
 SAMPLE DEPTH (BMP): 12 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.1 PPM REFILL TIMER SETTING: NA SEC
 WATER COLUMN: ~8 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): - GAL PID WELL MOUTH: - PPM DISCHARGE TIMER SETTING: NA SEC
 CALCULATED GAL/VOL (column X well diameter squared X 0.041): NA GAL TOTAL VOL. PURGED: 2 GAL DRAWDOWN/TOTAL PURGED: NA PRESSURE TO PUMP: NA PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1141</u>										<u>BEGIN PURGING</u>
<u>1150</u>	<u>3.8</u>	<u>300</u>	<u>12.92</u>	<u>0.203</u>	<u>6.75</u>	<u>0.70</u>	<u>>1000</u>	<u>-9.0</u>	<u>12'</u>	
<u>1155</u>										<u>Collected gw Sample - e DP-21</u>
<u>1155</u>										<u>Final values</u>
			<u>13</u>	<u>0.203</u>	<u>6.8</u>	<u>0.7</u>	<u>>1.0E3</u>	<u>-9.0</u>		

SAMPLE OBSERVATIONS: CLEAR COLORED lt Brown CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC SUBMERSIBLE BLADDER	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> SILICON TUBING	<input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL
<input type="checkbox"/> WATERERA	<input type="checkbox"/> DEIONIZED WATER	<input type="checkbox"/> TEFLON TUBING	<input checked="" type="checkbox"/> PVC PUMP MATERIAL
<input type="checkbox"/> OTHER	<input type="checkbox"/> POTABLE WATER	<input type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN
	<input type="checkbox"/> NITRIC ACID	<input checked="" type="checkbox"/> HDPE TUBING	<input type="checkbox"/> TEFLON BLADDER
	<input type="checkbox"/> HEXANE	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> OTHER
	<input type="checkbox"/> METHANOL	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER
	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER

EQUIPMENT USED: WATER LEVEL METER, PID MINI RAE, WQ METER YSI 556 (PINE), TURB. METER HACH 2100P (PINE), PUMP, OTHER, FILTERS NO. _____ TYPE _____

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>		<u>SEE ABOVE</u>

NOTES: Screening interval: 10' to 12' by
PID headspace = 0.9 ppm

SKETCH: See DP-21 depth interval 5' - 7'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~2

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw
 Checked By: [Signature] Date: 12/22/10

FIGURE 4-10
 GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 130056GW02117X SAMPLE TIME: 1210

SAMPLE LOCATION: DP-21 DATE: 12-13-2010
 START TIME: 1200 END TIME: 1210.
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 3.8 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT TOC/TOR DIFFERENCE: NA FT

SAMPLE DEPTH (BMP): 17 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 10.1 PPM REFILL TIMER SETTING: NA SEC

WATER COLUMN: ~13 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): — GAL PID WELL MOUTH: — PPM DISCHARGE TIMER SETTING: NA SEC

CALCULATED GALVOL (column X well diameter squared X 0.041): NA GAL TOTAL VOL. PURGED: ~2 GAL DRAWDOWN/ TOTAL PURGED: NA PRESSURE TO PUMP: NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1201</u>										<u>BEGIN PURGING</u>
<u>1205</u>	<u>3.8</u>	<u>350</u>	<u>13.31</u>	<u>0.077</u>	<u>6.30</u>	<u>0.75</u>	<u>>1000</u>	<u>18.9</u>	<u>~17'</u>	
<u>1210</u>										<u>Collected gw sample @ DP-21</u>
<u>1215</u>										<u>Final values</u>
			<u>13</u>	<u>0.077</u>	<u>6.3</u>	<u>0.8</u>	<u>>1.0E3</u>	<u>19</u>	<u>(18)</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED LT orange brown CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC PS SUBMERSIBLE BLADDER WATTERA OTHER _____

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

S. STEEL PUMP MATERIAL PVC PUMP MATERIAL GEOPROBE SCREEN TEFLON BLADDER OTHER _____

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>SEE ABOVE</u>

NOTES

collected w/s/wsd here also.
Screening interval: 15' to 17' bgs
pid headspace: 116 ppm

SKETCH

see DP-21 depth interval 5' - 7'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~2

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw
 Checked By: [Signature] Date: 12/22/10

P:\Projects\Nysdec\11\qapp\2010 Revised Figures\Figure 4-10 Geoprobe GW Grab,Pore Water.xls

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME Gent Uniform

PROJECT NUMBER 3612092134-04.1

SAMPLE ID 130056GWOZ122X SAMPLE TIME 1220

SAMPLE LOCATION DP-21 DATE 12-13-10

START TIME 1216 PM END TIME 1220

SITE NAME/NUMBER NYSDEC Site 130056 PAGE 1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP) 3.8 FT FINAL DTW (BMP) — FT PROT. CASING STICKUP (AGS) NA FT TOC/TOR DIFFERENCE NA FT

SAMPLE DEPTH (BMP) 22 FT SCREEN LENGTH 2 FT PID AMBIENT AIR 0.5 PPM REFILL TIMER SETTING NA SEC

WATER COLUMN 18 FT DRAWDOWN VOLUME — GAL PID WELL MOUTH — PPM DISCHARGE TIMER SETTING NA SEC

CALCULATED GAL/VOL NA GAL TOTAL VOL. PURGED 1.5 GAL DRAWDOWN/ TOTAL PURGED NA PRESSURE TO PUMP NA PSI

(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1211										BEGIN PURGING
1217	3.8	350	14.20	0.049	6.06	0.81	7100	33.9	22	
1220										Collected for sample @ DP-21
1224										FINAL VALUES
			14	0.049	6.1	0.8	71.0E3	34	(LB)	

SAMPLE OBSERVATIONS: CLEAR COLORED CLOUDY Lt Brown TURBID fine sand ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP PERISTALTIC SUBMERSIBLE BLADDER DP WATTERA OTHER _____

DECON FLUIDS USED LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE

NOTES

Screening interval: 20' to 22' bgs

DP headspace: 40.0' [⊗]

⊗ Brunel hgh based on moisture.

SKETCH

see DP-21 depth interval 5'-7'

PURGE OBSERVATIONS

PURGE WATER YES NO CONTAINERIZED NUMBER OF GALLONS GENERATED 1.5

NO-PURGE METHOD YES NO UTILIZED If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw

Checked By: [Signature] Date: 12/22/10

FIGURE 4-10
GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME Gent Uniform	
PROJECT NUMBER 3612092134-04.1	
SAMPLE ID 130056GW0212TX	SAMPLE TIME 1235

SAMPLE LOCATION DP-21	DATE 12-13-2010
START TIME 1225	END TIME 1235
SITE NAME/NUMBER NYSDEC Site 130056	PAGE 1 OF 1

SAMPLE TYPE	<input checked="" type="checkbox"/> GRAB	<input type="checkbox"/> WELL/PIEZOMETER	<input checked="" type="checkbox"/> GEOPROBE	<input type="checkbox"/> PORE WATER	<input type="checkbox"/> OUTFALL	<input type="checkbox"/> OTHER	WELL INTEGRITY	YES	NO	N/A
WELL DIAMETER (INCHES)	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 4	<input type="checkbox"/> 6	<input type="checkbox"/> 8	<input checked="" type="checkbox"/> OTHER 1.5	CAP	---	---	X
TUBING ID (INCHES)	<input type="checkbox"/> 1/8	<input type="checkbox"/> 1/4	<input checked="" type="checkbox"/> 3/8	<input type="checkbox"/> 1/2	<input type="checkbox"/> 5/8	<input type="checkbox"/> OTHER	CASING	---	---	X
MEASUREMENT POINT (MP)	<input type="checkbox"/> TOP OF RISER (TOR)	<input type="checkbox"/> TOP OF CASING (TOC)	<input checked="" type="checkbox"/> OTHER below ground surface							
DEPTH TO WATER (BMP)	3.8 FT	FINAL DTW (BMP)	- FT	PROT. CASING STICKUP (AGS)	NA FT	TOC/TOR DIFFERENCE	NA	FT		
SAMPLE DEPTH (BMP)	27 FT	SCREEN LENGTH	2 FT	PID AMBIENT AIR	40.1 PPM	REFILL TIMER SETTING	NA	SEC		
WATER COLUMN	123 FT	DRAWDOWN VOLUME	- GAL	PID WELL MOUTH	- PPM	DISCHARGE TIMER SETTING	NA	SEC		
CALCULATED GALVOL	NA GAL	TOTAL VOL. PURGED	1.5 GAL	DRAWDOWN/TOTAL PURGED	NA	PRESSURE TO PUMP	NA	PSI		

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1225										BEGIN PURGING
1230	3.8	350	13.13	0.065	6.17	2.23	917	-9.1	27	
1235	Collected for sample @ DP-21									
1235	FINAL VALUES									
			13	0.065	6.2	2.2	9.2E2	-9.1	27	

SAMPLE OBSERVATIONS: CLEAR COLORED 4 Brown CLOUDY TURBID ODOR OTHER (see notes)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP <input checked="" type="checkbox"/> PERISTALTIC SUBMERSIBLE BLADDER <input type="checkbox"/> WATERA <input type="checkbox"/> OTHER	DECON FLUIDS USED <input checked="" type="checkbox"/> LIQUINOX <input checked="" type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER	TUBING/PUMP/BLADDER MATERIALS <input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input checked="" type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER	EQUIPMENT USED <input checked="" type="checkbox"/> WATER LEVEL METER <input checked="" type="checkbox"/> PID MINI RAE <input checked="" type="checkbox"/> WQ METER YSI 556 (PINE) <input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE) <input type="checkbox"/> PUMP <input type="checkbox"/> OTHER FILTERS NO. TYPE
---	---	---	---

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES

Screening interval = 25' to 27'
 PID head space = 40.1 ppm

SKETCH

See DP-21 depth interval 5'-7'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	NUMBER OF GALLONS GENERATED	1.5
NO-PURGE METHOD UTILIZED	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.	

Sampler Signature: *[Signature]*
 Print Name: Brandon Shaw
 Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 130056GW02132A SAMPLE TIME: 1250

SAMPLE LOCATION: DP-21 DATE: 12-13-10
 START TIME: 1235 END TIME: 1250
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP): 3.8 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT TOC/TOR DIFFERENCE: NA FT

SAMPLE DEPTH (BMP): 3.2 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 6.1 PPM REFILL TIMER SETTING: NA SEC

WATER COLUMN: 2.8 FT DRAWDOWN VOLUME: — GAL PID WELL MOUTH: — PPM DISCHARGE TIMER SETTING: NA SEC

CALCULATED GAL/VOL: NA GAL TOTAL VOL. PURGED: 2 GAL DRAWDOWN/TOTAL PURGED: NA PSI

(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.0026 gal/mL)

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1238</u>										<u>BEGIN PURGING</u>
<u>1245</u>	<u>3.8</u>	<u>350.</u>	<u>13.10</u>	<u>0.044</u>	<u>6.01</u>	<u>0.76</u>	<u>71000</u>	<u>16.0</u>	<u>32</u>	
<u>1250</u>										<u>Collected gw Sample @ DP-21</u>
<u>1250</u>										<u>FINAL VALUES</u>
			<u>13</u>	<u>0.044</u>	<u>6.0</u>	<u>0.8</u>	<u>>1.0E3</u>	<u>16</u>	<u>(32)</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED CLOUDY Orange Brn TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER HP WATERA OTHER _____

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 ML</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>SEE ABOVE</u>

NOTES

Screening interval = 30' to 32' bgs
PID reading = 6.1 ppm

SKETCH

see DP-21 depth interval 5'-7'

PURGE OBSERVATIONS

PURGE WATER: YES NO CONTAINERIZED: NUMBER OF GALLONS GENERATED: 2

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw
 Checked By: [Signature] Date: 12/24/10

P:\Projects\y\sed\1\qapp\2010 Revised Figures\Figure 4-10 Geoprobe GW Grab,Pore Water.xlsx

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME Gent Uniform	
PROJECT NUMBER 3612092134-04.1	
SAMPLE ID 130056 GW0137X	SAMPLE TIME 1305

SAMPLE LOCATION DP-21	DATE 12-13-2010
START TIME 1250	END TIME 1305
SITE NAME/NUMBER NYSDEC Site 130056	PAGE 1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP) 3.8' FT FINAL DTW (BMP) — FT PROT. CASING STICKUP (AGS) NA FT

SAMPLE DEPTH (BMP) 27 FT SCREEN LENGTH 2 FT PID AMBIENT AIR 6.1 PPM

WATER COLUMN ~33 FT DRAWDOWN VOLUME — GAL PID WELL MOUTH — PPM

CALCULATED GAL/VOL NA GAL (column X well diameter squared X 0.041) TOTAL VOL. PURGED ~2 GAL (mL per minute X total minutes X 0.00026 gal/mL) DRAWDOWN/ TOTAL PURGED NA

WELL INTEGRITY YES NO N/A
CAP _____ X
CASING _____ X
LOCKED _____ X
COLLAR _____ X

TOCTOR DIFFERENCE NA FT
REFILL TIMER SETTING NA SEC
DISCHARGE TIMER SETTING NA SEC
PRESSURE TO PUMP NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1252										BEGIN PURGING
1258	3.8	~350	13.47	0.038	5.78	0.94	71000	346	37'	
1305	Collected yw sample @ DP-21									
PWS FINAL VALVES										
			13	0.038	5.8	0.9	>1.0E3	46	(B)	

SAMPLE OBSERVATIONS: CLEAR COLORED CLOUDY Lt Brown TURBID ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

<p>TYPE OF PUMP</p> <input checked="" type="checkbox"/> PERISTALTIC SUBMERSIBLE BLADDER <input type="checkbox"/> WATTERA <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____	<p>DECON FLUIDS USED</p> <input checked="" type="checkbox"/> LIQUINOX <input checked="" type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER _____	<p>TUBING/PUMP/BLADDER MATERIALS</p> <input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input checked="" type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____	<p>EQUIPMENT USED</p> <input checked="" type="checkbox"/> WATER LEVEL METER <input checked="" type="checkbox"/> PID MINI RAE <input checked="" type="checkbox"/> WQ METER YSI 556 (PINE) <input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE) <input type="checkbox"/> PUMP <input type="checkbox"/> OTHER _____ <input type="checkbox"/> FILTERS NO. _____ TYPE _____
--	---	---	--

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES

Screening interval: 35' to 37' yw
 PID headspace = 6.1 PPM

SKETCH

see DP-21 depth interval 5'-7'

PURGE OBSERVATIONS

PURGE WATER YES NO NUMBER OF GALLONS GENERATED ~2

CONTAINERIZED YES NO

NO-PURGE METHOD UTILIZED YES NO

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

Sampler Signature: _____

Brandon Shaw
 Print Name:

Checked By: _____

Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME	Gent Uniform
PROJECT NUMBER	3612092134-04.1
SAMPLE ID	130056 GW024A
SAMPLE TIME	1315

SAMPLE LOCATION	DP-21	DATE	12-13-2010
START TIME	1305	END TIME	1315
SITE NAME/NUMBER	NYSDEC Site 130056	PAGE	1 OF 1

SAMPLE TYPE	<input checked="" type="checkbox"/> GRAB	<input type="checkbox"/> WELL/PIEZOMETER	<input checked="" type="checkbox"/> GEOPROBE	<input type="checkbox"/> PORE WATER	<input type="checkbox"/> OUTFALL	<input type="checkbox"/> OTHER	WELL INTEGRITY	YES	NO	N/A
WELL DIAMETER (INCHES)	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 4	<input type="checkbox"/> 6	<input type="checkbox"/> 8	<input checked="" type="checkbox"/> OTHER 1.5"	CAP	---	---	X
TUBING ID (INCHES)	<input type="checkbox"/> 1/8	<input type="checkbox"/> 1/4	<input checked="" type="checkbox"/> 3/8	<input type="checkbox"/> 1/2	<input type="checkbox"/> 5/8	<input type="checkbox"/> OTHER	CASING	---	---	X
MEASUREMENT POINT (MP)	<input type="checkbox"/> TOP OF RISER (TOR)	<input type="checkbox"/> TOP OF CASING (TOC)	<input checked="" type="checkbox"/> OTHER below ground surface							
DEPTH TO WATER (BMP)	3.8 FT	FINAL DTW (BMP)	---	PROT. CASING STICKUP (AGS)	NA FT	TOC/TOR DIFFERENCE	NA	FT		
SAMPLE DEPTH (BMP)	42 FT	SCREEN LENGTH	2 FT	PID AMBIENT AIR	20.1 PPM	REFILL TIMER SETTING	NA	SEC		
WATER COLUMN	~38 FT	DRAWDOWN VOLUME	---	PID WELL MOUTH	---	DISCHARGE TIMER SETTING	NA	SEC		
CALCULATED GALVOL	NA GAL	TOTAL VOL. PURGED	~1.5 GAL	DRAWDOWN/TOTAL PURGED	NA	PRESSURE TO PUMP	NA	PSI		

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1307										BEGIN PURGING
1313	3.8	350	12.80	0.047	5.91	0.42	71000.	13.1	42	
1315	Collected gw sample @ DP-21									
1315	FINAL VALUES									
			13	0.047	5.9	0.4	>1.0E3	13	42	

SAMPLE OBSERVATIONS: CLEAR COLORED Lt olive CLOUDY TURBID ODOR OTHER (see notes)

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC SUBMERSIBLE BLADDER	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> SILICON TUBING	<input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL
<input type="checkbox"/> WATERERA	<input checked="" type="checkbox"/> DEIONIZED WATER	<input type="checkbox"/> TEFLON TUBING	<input checked="" type="checkbox"/> PVC PUMP MATERIAL
<input type="checkbox"/> OTHER	<input type="checkbox"/> POTABLE WATER	<input type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN
	<input type="checkbox"/> NITRIC ACID	<input checked="" type="checkbox"/> HDPE TUBING	<input checked="" type="checkbox"/> TEFLON BLADDER
	<input type="checkbox"/> HEXANE	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> OTHER
	<input type="checkbox"/> METHANOL	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER
	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES

Screening interval: 40' to 42' bgs
 PID headspace: 20.1 ppm

SKETCH

see DP-21 depth interval .5' - 7'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	NUMBER OF GALLONS GENERATED	~1.5
NO-PURGE METHOD UTILIZED	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.	

Sampler Signature:

Print Name: Brandon Shaw

Checked By:

Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME Gent Uniform	
PROJECT NUMBER 3612092134-04.1	
SAMPLE ID 130056GW02147X	SAMPLE TIME 1330.

SAMPLE LOCATION DP-21	DATE 12-13-2010
START TIME 1315	END TIME 1330.
SITE NAME/NUMBER NYSDEC Site 130056	PAGE 1 OF 1

SAMPLE TYPE	<input checked="" type="checkbox"/> GRAB	<input type="checkbox"/> WELL/PIEZOMETER	<input checked="" type="checkbox"/> GEOPROBE	<input type="checkbox"/> PORE WATER	<input type="checkbox"/> OUTFALL	<input type="checkbox"/> OTHER	WELL INTEGRITY	YES	NO	N/A
WELL DIAMETER (INCHES)	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 4	<input type="checkbox"/> 6	<input type="checkbox"/> 8	<input checked="" type="checkbox"/> OTHER 1.5"	CAP	---	---	X
TUBING ID (INCHES)	<input type="checkbox"/> 1/8	<input type="checkbox"/> 1/4	<input checked="" type="checkbox"/> 3/8	<input type="checkbox"/> 1/2	<input type="checkbox"/> 5/8	<input type="checkbox"/> OTHER	CASING	---	---	X
MEASUREMENT POINT (MP)	<input type="checkbox"/> TOP OF RISER (TOR)	<input type="checkbox"/> TOP OF CASING (TOC)	<input checked="" type="checkbox"/> OTHER below ground surface							
DEPTH TO WATER (BMP)	3.8 FT	FINAL DTW (BMP)	-		PROT. CASING STICKUP (AGS)	NA FT	TOC/TOR DIFFERENCE	NA FT		
SAMPLE DEPTH (BMP)	47 FT	SCREEN LENGTH	2 FT		PID AMBIENT AIR	20.1 PPM	REFILL TIMER SETTING	NA SEC		
WATER COLUMN	~43 FT	DRAWDOWN VOLUME	-		PID WELL MOUTH	- PPM	DISCHARGE TIMER SETTING	NA SEC		
CALCULATED GAL/VOL	NA GAL	TOTAL VOL PURGED	~115 GAL		DRAWDOWN/TOTAL PURGED	NA	PRESSURE TO PUMP	NA PSI		

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1316										BEGIN PURGING
1323	3.8	350.	12.38	0.039	5.84	1.31	71000	51.3	47	
1330	Collected gw sample @ DP-21									
1340	FINAL VALUES									
			12	0.039	5.8	1.3	>1.0E3	51	47	

SAMPLE OBSERVATIONS: CLEAR COLORED Lt olive CLOUDY TURBID ODOR OTHER (see notes)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP <input checked="" type="checkbox"/> PERISTALTIC <input type="checkbox"/> SUBMERSIBLE BLADDER <input checked="" type="checkbox"/> WATTERA <input type="checkbox"/> OTHER <input type="checkbox"/> OTHER	DECON FLUIDS USED <input checked="" type="checkbox"/> LIQUINOX <input checked="" type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER	TUBING/PUMP/BLADDER MATERIALS <input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input checked="" type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER <input type="checkbox"/> OTHER	EQUIPMENT USED <input checked="" type="checkbox"/> WATER LEVEL METER <input checked="" type="checkbox"/> PID <input checked="" type="checkbox"/> MINI RAE <input checked="" type="checkbox"/> WQ METER YSI 556 (PINE) <input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE) <input type="checkbox"/> PUMP <input type="checkbox"/> OTHER <input type="checkbox"/> FILTERS NO. TYPE
---	---	---	---

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES

screening interval: 45' to 47' bgs
 PID headspace: 20.1 ppm

SKETCH

see DP-21 depth interval 5'-7'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	NUMBER OF GALLONS GENERATED	~115
NO-PURGE METHOD UTILIZED	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	If yes, purged approximately 1 standing volume prior to sampling or <u>NA</u> mL for this sample location.	

Sampler Signature:

Print Name: Brandon Sinaud

Checked By:

Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134-04.1

SAMPLE ID: 1300566-W02152X SAMPLE TIME: 1345

SAMPLE LOCATION: DP-21 DATE: 12-13-2010

START TIME: 1330 END TIME: 1350

SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 3.8 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT TOC/TOR DIFFERENCE: NA FT

SAMPLE DEPTH (BMP): 52 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 40.1 PPM REFILL TIMER SETTING: NA SEC

WATER COLUMN: -48 FT DRAWDOWN VOLUME: — GAL PID WELL MOUTH: — PPM DISCHARGE TIMER SETTING: NA SEC

CALCULATED GAL/VOL: NA GAL TOTAL VOL. PURGED: ~1.15 GAL DRAWDOWN/TOTAL PURGED: NA PRESSURE TO PUMP: NA PSI

(initial DTW - final DTW X well diam. squared X 0.041)
(column X well diameter squared X 0.041)
(mL per minute X total minutes X 0.00026 gal/mL)

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1332</u>										BEGIN PURGING
<u>1338</u>	<u>3.8</u>	<u>350</u>	<u>12.43</u>	<u>0.060</u>	<u>6.42</u>	<u>0.32</u>	<u>71000</u>	<u>-62.8</u>	<u>52</u>	
<u>1345</u>										collected gw sample @ DP-21
										BA FINAL VALUES
			<u>12</u>	<u>0.060</u>	<u>6.4</u>	<u>0.3</u>	<u>>1.0E³</u>	<u>-63</u>	<u>(6)</u>	

SAMPLE OBSERVATIONS: CLEAR _____ COLORED DK olive CLOUDY _____ TURBID SILTY ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER BAT WATTERA OTHER _____

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>		<u>SEE ABOVE</u>

NOTES

screening interval: 50' to 52' bgs
- PID headspace: 40.1 ppm

SKETCH

see DP-21 depth interval 5' - 7'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~1.15

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw

Checked By: [Signature] Date: 12/22/10

P:\Projects\NYSDEC\app\2010 Revised Figures\Figure 4-10 Geoprobe GW Grab,Pore Water.xlsx

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 130056GW02207X SAMPLE TIME: 1430

SAMPLE LOCATION: DP-22 DATE: 12-13-2010
 START TIME: 1405 END TIME: 1430
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____
 WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5
 TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 4.1 FT FINAL DTW (BMP): - FT PROT. CASING STICKUP (AGS): NA FT TOC/TOR DIFFERENCE: NA FT
 SAMPLE DEPTH (BMP): 17 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: Lo.1 PPM REFILL TIMER SETTING: NA SEC
 WATER COLUMN: ~3 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): - GAL PID WELL MOUTH: - PPM DISCHARGE TIMER SETTING: NA SEC
 CALCULATED GALVOL (column X well diameter squared X 0.041): NA GAL TOTAL VOL. PURGED: 0.5 GAL DRAWDOWN/ TOTAL PURGED: NA PRESSURE TO PUMP: NA PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1412										BEGIN PURGING
1425	4.1	100	9.14	0.523	6.41	0.58	71000	-29.3	~7	
1430										Collected gw sample @ DP-21
1441										Final values
			9	0.523	6.4	0.6	>1.0E3	-29	(CB)	

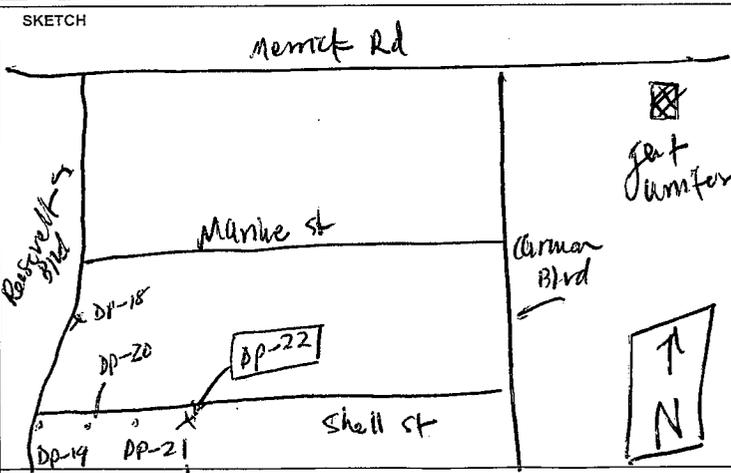
SAMPLE OBSERVATIONS: CLEAR COLORED reddish brown CLOUDY TURBID very sandy ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: <input checked="" type="checkbox"/> PERISTALTIC SUBMERSIBLE BLADDER <u>BP</u> <input type="checkbox"/> WATTERA <input type="checkbox"/> OTHER _____	DECON FLUIDS USED: <input checked="" type="checkbox"/> LIQUINOX <input checked="" type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER _____	TUBING/PUMP/BLADDER MATERIALS: <input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input checked="" type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER _____	EQUIPMENT USED: <input checked="" type="checkbox"/> WATER LEVEL METER <input checked="" type="checkbox"/> PID <input checked="" type="checkbox"/> MINI RAE <input checked="" type="checkbox"/> WQ METER <u>YSI 556 (PINE)</u> <input checked="" type="checkbox"/> TURB. METER <u>HACH 2100P (PINE)</u> <input type="checkbox"/> PUMP <input type="checkbox"/> OTHER _____ FILTERS NO. _____ TYPE _____
---	--	---	---

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES
 Screening interval: 5' to 7' bags
 PID headspace = Lo.1 ppm.



PURGE OBSERVATIONS

PURGE WATER: YES NO NUMBER OF GALLONS GENERATED: ~0.5

CONTAINERIZED: YES NO

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature]
 Checked By: [Signature] Print Name: Brandon Shaw Date: 12/20/10

sketch not drawn to scale
 FIGURE 4-10
 GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 130056GW02212X SAMPLE TIME: 1440

SAMPLE LOCATION: DP-22 DATE: 12-13-2010
 START TIME: 1432 END TIME: 1445
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 4.1 FT. FINAL DTW (BMP): — FT. PROT. CASING STICKUP (AGS): NA FT. WELL INTEGRITY: YES NO N/A

SAMPLE DEPTH (BMP): 112 FT. SCREEN LENGTH: 2 FT. PID AMBIENT AIR: 20.1 PPM. REFILL TIMER SETTING: NA SEC.

WATER COLUMN: 08 FT. DRAWDOWN VOLUME: — GAL. PID WELL MOUTH: — PPM. DISCHARGE TIMER SETTING: NA SEC.

CALCULATED GAL/VOL: NA GAL. TOTAL VOL. PURGED: 01 GAL. DRAWDOWN/TOTAL PURGED: NA. PRESSURE TO PUMP: NA PSI.

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1434</u>										BEGIN PURGING
<u>1439</u>	<u>4.1</u>	<u>250</u>	<u>11.51</u>	<u>0.241</u>	<u>6.48</u>	<u>0.38</u>	<u>71000</u>	<u>-30.7</u>	<u>-12</u>	
<u>1440</u>										Collected gw Sample @ DP-22
										FINAL VALUES
<u>1445</u>			<u>12</u>	<u>0.241</u>	<u>6.5</u>	<u>0.4</u>	<u>71.0E3</u>	<u>-31</u>	<u>(18)</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED Reddish Brown CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER 915 WATTERA OTHER _____

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>SEE ABOVE</u>

NOTES

Screening interval: 10' to 12' bgs
 PID headspace: 20.1 ppm

SKETCH

See DP-22 depth interval 5'-7'

PURGE OBSERVATIONS

PURGE WATER: YES NO NUMBER OF GALLONS GENERATED: ~1

CONTAINERIZED:

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature]

Print Name: Brandon Shaw

Checked By: [Signature]

Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME Gent Uniform		SAMPLE LOCATION DP-22	DATE 12-13-2010
PROJECT NUMBER 3612092134-04.1		START TIME 1445	END TIME 1455
SAMPLE ID 1300566W02217X	SAMPLE TIME 1455	SITE NAME/NUMBER NYSDEC Site 130056	PAGE 1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP) 4.1 FT FINAL DTW (BMP) - FT PROT. CASING STICKUP (AGS) NA FT TOC/TOR DIFFERENCE NA FT

SAMPLE DEPTH (BMP) ~17 FT SCREEN LENGTH 2 FT PID AMBIENT AIR 60.1 PPM REFILL TIMER SETTING NA SEC

WATER COLUMN ~13 FT DRAWDOWN VOLUME - GAL PID WELL MOUTH - PPM DISCHARGE TIMER SETTING NA SEC

CALCULATED GAL/VOL NA GAL TOTAL VOL. PURGED ~1.5 GAL DRAWDOWN/ TOTAL PURGED NA PRESSURE TO PUMP NA PSI

(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1446										BEGIN PURGING
1451	4.1	350.	12.71	0.071	6.49	0.80	71000	4.5	~17	
1455										Collected gr sample @ DP-22
NA										FINAL VALUES
	13			0.071	6.5	0.8	>1.0E ³	4.5	(17)	

SAMPLE OBSERVATIONS: CLEAR COLORED Lt Brown CLOUDY TURBID ODOR OTHER (see notes) _____

TYPE OF PUMP		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
<input checked="" type="checkbox"/> PERISTALTIC	<input checked="" type="checkbox"/> SUBMERSIBLE BLADDER	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> DEIONIZED WATER	<input checked="" type="checkbox"/> SILICON TUBING	<input type="checkbox"/> S. STEEL PUMP MATERIAL	<input checked="" type="checkbox"/> WATER LEVEL METER	<input checked="" type="checkbox"/> PID MINI RAE
<input type="checkbox"/> WATTERA	<input type="checkbox"/> OTHER	<input type="checkbox"/> POTABLE WATER	<input type="checkbox"/> NITRIC ACID	<input checked="" type="checkbox"/> TEFLON TUBING	<input checked="" type="checkbox"/> PVC PUMP MATERIAL	<input checked="" type="checkbox"/> WQ METER YSI 356 (PINE)	<input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE)
<input checked="" type="checkbox"/> WATTERA	<input type="checkbox"/> OTHER	<input type="checkbox"/> HEXANE	<input type="checkbox"/> METHANOL	<input type="checkbox"/> HDPE TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN	<input type="checkbox"/> PUMP	<input type="checkbox"/> OTHER
<input type="checkbox"/> OTHER		<input type="checkbox"/> OTHER		<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> TEFLON BLADDER	<input type="checkbox"/> OTHER	<input type="checkbox"/> FILTERS NO. _____ TYPE _____

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES
 -screening interval: 15' to 17' deep
 PID headspace = 60.1 ppm =

SKETCH
 See DP-22 depth interval 5' - 7'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO NUMBER OF GALLONS GENERATED ~1.5

NO-PURGE METHOD UTILIZED YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature:

Print Name: Brandon Shaw

Checked By:

Date: 12/22/10

FIGURE 4-10
 GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134-04.1

SAMPLE ID: 130056GW022224 SAMPLE TIME: 1505

SAMPLE LOCATION: DP-22 DATE: 12-13-2010

START TIME: 1455 END TIME: 1505

SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 4.1 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT

SAMPLE DEPTH (BMP): -22 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: LOU1 PPM

WATER COLUMN: -18 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): — GAL PID WELL MOUTH: — PPM

CALCULATED GAL/VOL (column X well diameter squared X 0.041): NA GAL TOTAL VOL. PURGED: ~1.5 GAL DRAWDOWN/TOTAL PURGED: NA

WELL INTEGRITY: YES NO N/A
 CAP _____ _____ _____
 CASING LOCKED _____ _____ _____
 COLLAR _____ _____ _____

TOC/TOR DIFFERENCE: NA FT REFILL TIMER SETTING: NA SEC
 DISCHARGE TIMER SETTING: NA SEC PRESSURE TO PUMP: NA PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1457</u>										BEGIN PURGING
<u>1504</u>	<u>4.1</u>	<u>350</u>	<u>12.81</u>	<u>0.047</u>	<u>6.06</u>	<u>1.07</u>	<u>71000</u>	<u>58.9</u>	<u>-22</u>	
<u>1505</u>										Collected gw sample @ DP-22
<u>1505</u>										Final valves
			<u>13</u>	<u>0.047</u>	<u>6.1</u>	<u>1.1</u>	<u>>1.0E3</u>	<u>59</u>	<u>(18)</u>	

SAMPLE OBSERVATIONS: CLEAR _____ COLORED DEBROWN CLOUDY _____ TURBID X; sandy ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC PT SUBMERSIBLE BLADDER WATTERA OTHER _____

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 ML</u>	<input checked="" type="checkbox"/>		<u>SEE ABOVE</u>

NOTES

Screening interval: 20' to 22' by
-PID headspace: LOU1 ppm

SKETCH

See DP-22 depth interval 5'-7'

PURGE OBSERVATIONS

PURGE WATER: YES NO NUMBER OF GALLONS GENERATED: ~1.5

CONTAINERIZED: YES If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

NO-PURGE METHOD UTILIZED: YES NO

Sampler Signature: [Signature] Print Name: Brandon Shaw

Checked By: [Signature] Date: 12/20/10

P:\Projects\NYSDEC\100pp\2010 Revised Figures\Figure 4-10 Geoprobe GW Grab,Pore Water.xls

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134-04.1

SAMPLE ID: 130056GW02227X SAMPLE TIME: 1515

SAMPLE LOCATION: DP-22 DATE: 12-13-2010

START TIME: 1505 END TIME: 1515

SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP): 4.1 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT TOC/TOR DIFFERENCE: NA FT

SAMPLE DEPTH (BMP): 27 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 20.1 PPM REFILL TIMER SETTING: NA SEC

WATER COLUMN: -23 FT DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041): — GAL PID WELL MOUTH: — PPM DISCHARGE TIMER SETTING: NA SEC

CALCULATED GAL/VOL (column X well diameter squared X 0.041): NA GAL TOTAL VOL. PURGED: ~1.5 GAL DRAWDOWN/ TOTAL PURGED: NA PRESSURE TO PUMP: NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1506</u>										BEGIN PURGING
<u>1512</u>	<u>4.1</u>	<u>350</u>	<u>13.05</u>	<u>0.037</u>	<u>5.77</u>	<u>0.92</u>	<u>71000.</u>	<u>67.2</u>	<u>27</u>	
<u>1515</u>										Collected gw Sample @ DP-22
<u>1515</u>										FINAL VALUES
			<u>13</u>	<u>0.037</u>	<u>5.8</u>	<u>0.9</u>	<u>>1.0E3</u>	<u>67</u>	<u>(B)</u>	

SAMPLE OBSERVATIONS: CLEAR _____ COLORED 4 Brown CLOUDY _____ TURBID X ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER APS WATERA OTHER _____

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>		<u>SEE ABOVE</u>

NOTES

Screening interval: 25' to 27' by
 PID readings: 20.1 ppm

SKETCH

See DP-22 depth interval 5'-7'

PURGE OBSERVATIONS

PURGE WATER: YES NO NUMBER OF GALLONS GENERATED: ~1.5

CONTAINERIZED: YES NO

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw

Checked By: [Signature] Date: 12/22/10

P:\Projects\nysdec\apps\2010 Revised Figures\Figure 4-10 Geoprobe GW Grab,Pore Water.xlsx

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME Gent Uniform	
PROJECT NUMBER 3612092134-04.1	
SAMPLE ID 130056GN02232X	SAMPLE TIME 1525

SAMPLE LOCATION DP-22	DATE 12-13-2010
START TIME 1515	END TIME 1525
SITE NAME/NUMBER NYSDEC Site 130056	PAGE 1 OF 1

SAMPLE TYPE	<input checked="" type="checkbox"/> GRAB	<input type="checkbox"/> WELL/PIEZOMETER	<input checked="" type="checkbox"/> GEOPROBE	<input type="checkbox"/> PORE WATER	<input type="checkbox"/> OUTFALL	<input type="checkbox"/> OTHER					
WELL DIAMETER (INCHES)	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 4	<input type="checkbox"/> 6	<input type="checkbox"/> 8	<input checked="" type="checkbox"/> OTHER	1.5"				
TUBING ID (INCHES)	<input type="checkbox"/> 1/8	<input type="checkbox"/> 1/4	<input checked="" type="checkbox"/> 3/8	<input type="checkbox"/> 1/2	<input type="checkbox"/> 5/8	<input type="checkbox"/> OTHER					
MEASUREMENT POINT (MP)	<input type="checkbox"/> TOP OF RISER (TOR)		<input type="checkbox"/> TOP OF CASING (TOC)		<input checked="" type="checkbox"/> OTHER			below ground surface			
DEPTH TO WATER (BMP)	4.1	FT	FINAL DTW (BMP)	-	FT	PROT. CASING STICKUP (AGS)	NA	FT	TOC/TOR DIFFERENCE	NA	FT
SAMPLE DEPTH (BMP)	32	FT	SCREEN LENGTH	2	FT	PID AMBIENT AIR	40.1	PPM	REFILL TIMER SETTING	NA	SEC
WATER COLUMN	~28	FT	DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041)	-	GAL	PID WELL MOUTH	-	PPM	DISCHARGE TIMER SETTING	NA	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	NA	GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	~1.5	GAL	DRAWDOWN/ TOTAL PURGED	NA		PRESSURE TO PUMP	NA	PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1516										BEGIN PURGING
1523	4.1	350.	12.21	0.046	6.00	0.62	71000	17.1	32	
1525	Collected for Sample @ DP-22									
PA FINAL VALUE										
			12	0.046	6.0	0.6	>1.0E3	17		

SAMPLE OBSERVATIONS: CLEAR COLORED Lt BROWN CLOUDY TURBID ODOR OTHER (see notes)

TYPE OF PUMP		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
<input checked="" type="checkbox"/> PERISTALTIC	<input checked="" type="checkbox"/> BT	<input checked="" type="checkbox"/> LIQUINOX	<input type="checkbox"/> DEIONIZED WATER	<input checked="" type="checkbox"/> SILICON TUBING	<input type="checkbox"/> S. STEEL PUMP MATERIAL	<input checked="" type="checkbox"/> WATER LEVEL METER	
<input type="checkbox"/> SUBMERSIBLE		<input type="checkbox"/> POTABLE WATER	<input type="checkbox"/> NITRIC ACID	<input type="checkbox"/> TEFLON TUBING	<input type="checkbox"/> PVC PUMP MATERIAL	<input checked="" type="checkbox"/> PID	MINI RAE
<input checked="" type="checkbox"/> WATTERA		<input type="checkbox"/> HEXANE	<input type="checkbox"/> METHANOL	<input checked="" type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN	<input checked="" type="checkbox"/> WQ METER	YSI 558 (PINE)
<input type="checkbox"/> OTHER		<input type="checkbox"/> OTHER		<input type="checkbox"/> HDPE TUBING	<input type="checkbox"/> TEFLON BLADDER	<input checked="" type="checkbox"/> TURB. METER	HACH 2100P (PINE)
<input type="checkbox"/> OTHER				<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> OTHER	<input type="checkbox"/> PUMP	
				<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	
				<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> FILTERS	NO. TYPE

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>		SEE ABOVE

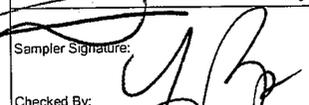
NOTES
Screening interval: 32' to 32' 5gr
PID had gas = 40.1 ppm

SKETCH
See DP-22 depth interval 5' - 7'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~1.5

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: 
Print Name: Brandon Shaw
Checked By: 
Date: 12/22/10

P:\Projects\NYSDEC\apps\2010 Revised Figures\Figure 4-10 Geoprobe GW Grab,Pore Water.xlsx

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME Gent Uniform	SAMPLE LOCATION DP-22	DATE 12-13-2010
PROJECT NUMBER 3612092134-04.1	START TIME 1525	END TIME 1535
SAMPLE ID 1300566W02237X	SAMPLE TIME 1535	SITE NAME/NUMBER NYSDEC Site 130056
		PAGE 1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5'

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP) 4.1 FT FINAL DTW (BMP) — FT PROT. CASING STICKUP (AGS) NA FT

SAMPLE DEPTH (BMP) ~37 FT SCREEN LENGTH 2 FT PID AMBIENT AIR 20.1 PPM

WATER COLUMN ~33 FT DRAWDOWN VOLUME — GAL PID WELL MOUTH — PPM

CALCULATED GAL/VOL NA GAL TOTAL VOL. PURGED 1.15 GAL DRAWDOWN/ TOTAL PURGED NA

(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

WELL INTEGRITY YES NO N/A
 CAP _____ X
 CASING _____ X
 LOCKED _____ X
 COLLAR _____ X

TOC/TOR DIFFERENCE NA FT
 REFILL TIMER SETTING NA SEC
 DISCHARGE TIMER SETTING NA SEC
 PRESSURE TO PUMP NA PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1526										BEGIN PURGING
1534	4.1	350	11.70	0.066	6.44	0.29	71000.	-49.5	-37	
1535										collected gw sample @ DP-22
/ DATA FINAL VALUES										
			12	0.066	6.4	0.3	>1.0E ³	-50	(65)	

SAMPLE OBSERVATIONS: CLEAR COLORED Lt Olive CLOUDY TURBID ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP PERISTALTIC SUBMERSIBLE BLADDER WATERA OTHER _____

DECON FLUIDS USED LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	✓		SEE ABOVE

NOTES
 Screening interval: 35' to 37' bgs
 - PID headspace = 20.1 ppm

SKETCH
 see DP-22 depth interval 5'-7'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO NUMBER OF GALLONS GENERATED ~1.5

NO-PURGE METHOD UTILIZED YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Checked By: Print Name: Brandon Shaw
 Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME	Gent Uniform
PROJECT NUMBER	3612092134-04.1
SAMPLE ID	130056 GW 02242X
SAMPLE TIME	1545

SAMPLE LOCATION	DP-22	DATE	12-13-2010
START TIME	1535	END TIME	1545
SITE NAME/NUMBER	NYSDEC Site 130056	PAGE	1 OF 1

SAMPLE TYPE	<input checked="" type="checkbox"/> GRAB <input type="checkbox"/> WELL/PIEZOMETER <input checked="" type="checkbox"/> GEOPROBE <input type="checkbox"/> PORE WATER <input type="checkbox"/> OUTFALL <input type="checkbox"/> OTHER	WELL INTEGRITY	YES NO N/A
WELL DIAMETER (INCHES)	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input checked="" type="checkbox"/> OTHER 1.5"	CAP	— — X
TUBING ID (INCHES)	<input type="checkbox"/> 1/8 <input type="checkbox"/> 1/4 <input checked="" type="checkbox"/> 3/8 <input type="checkbox"/> 1/2 <input type="checkbox"/> 5/8 <input type="checkbox"/> OTHER	CASING	— — X
MEASUREMENT POINT (MP)	<input type="checkbox"/> TOP OF RISER (TOR) <input type="checkbox"/> TOP OF CASING (TOC) <input checked="" type="checkbox"/> OTHER below ground surface	LOCKED	— — X
DEPTH TO WATER (BMP)	4.1 FT	COLLAR	— — X
FINAL DTW (BMP)	— FT	TOC/TOR DIFFERENCE	NA FT
SAMPLE DEPTH (BMP)	~42 FT	REFILL TIMER SETTING	NA SEC
SCREEN LENGTH	2 FT	DISCHARGE TIMER SETTING	NA SEC
WATER COLUMN	~38 FT	PRESSURE TO PUMP	NA PSI
DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041)	— GAL		
TOTAL VOL. PURGED	-1.5 GAL		
PROT. CASING STICKUP (AGS)	NA FT		
PID AMBIENT AIR	20.1 PPM		
PID WELL MOUTH	— PPM		
DRAWDOWN/TOTAL PURGED	NA		

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1536										BEGIN PURGING
1543	4.1	~350	11.22	0.038	5.87	0.57	71000	54.7	42	
1545										collected gw sample @ DP-22
DP										FINAL VALUES
			11	0.038	5.9	0.6	>1.0E3	55	4	

SAMPLE OBSERVATIONS: CLEAR COLORED Lt olive Brown CLOUDY TURBID ODOR OTHER (see notes)

EQUIPMENT DOCUMENTATION

<p>TYPE OF PUMP</p> <input checked="" type="checkbox"/> PERISTALTIC SUBMERSIBLE BLADDER <i>DP</i> <input type="checkbox"/> WATERA <input type="checkbox"/> OTHER	<p>DECON FLUIDS USED</p> <input checked="" type="checkbox"/> LIQUINOX <input checked="" type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER	<p>TUBING/PUMP/BLADDER MATERIALS</p> <input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input checked="" type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER	<p>EQUIPMENT USED</p> <input checked="" type="checkbox"/> WATER LEVEL METER <input checked="" type="checkbox"/> PID MINI RAE <input checked="" type="checkbox"/> WQ METER YSI 556 (PINE) <input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE) <input type="checkbox"/> PUMP <input type="checkbox"/> OTHER <input type="checkbox"/> FILTERS NO. TYPE
---	---	---	--

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	✓		SEE ABOVE

NOTES

sampling interval: 40-42' bgs
 PID headspace: 2.01 ppm

SKETCH

See DP-22 depth interval 5'-7'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	NUMBER OF GALLONS GENERATED	1.5
NO-PURGE METHOD UTILIZED	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	If yes, purged approximately 1 standing volume prior to sampling or <u>NA</u> mL for this sample location.	

Sampler Signature: *[Signature]*

Print Name: Brandon Shaw

Checked By: *[Signature]*

Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134-04.1

SAMPLE ID: 130566W02247X SAMPLE TIME: 1600

SAMPLE LOCATION: DP-22 DATE: 12-13-2010

START TIME: 1545 END TIME: 1600

SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP): 4.1 FT. FINAL DTW (BMP): — FT. PROT. CASING STICKUP (AGS): NA FT. TOC/TOR DIFFERENCE: NA FT.

SAMPLE DEPTH (BMP): 47 FT. SCREEN LENGTH: 2 FT. PID AMBIENT AIR: 20.1 PPM. REFILL TIMER SETTING: NA SEC.

WATER COLUMN: 43 FT. DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): — GAL. PID WELL MOUTH: — PPM. DISCHARGE TIMER SETTING: NA SEC.

CALCULATED GAL/VOL (column X well diameter squared X 0.041): NA GAL. TOTAL VOL. PURGED: 4.5 GAL. DRAWDOWN/ TOTAL PURGED: NA. PRESSURE TO PUMP: NA PSI.

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1546</u>										<u>BEGIN PURGING</u>
<u>1557</u>	<u>4.1</u>	<u>35</u>	<u>11.49</u>	<u>0.039</u>	<u>5.75</u>	<u>0.70</u>	<u>71000</u>	<u>70.2</u>	<u>47</u>	
<u>1600</u>	<u>Collected gw sample @ DP-22</u>									
<u>1607</u>	<u>FINAL VALUES</u>									
			<u>11</u>	<u>0.039</u>	<u>5.8</u>	<u>0.7</u>	<u>>1.0E3</u>	<u>70</u>	<u>(B)</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED 46 live CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP PS

PERISTALTIC SUBMERSIBLE BLADDER WATERA OTHER _____

DECON FLUIDS USED

LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS

SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

S. STEEL PUMP MATERIAL PVC PUMP MATERIAL GEOPROBE SCREEN TEFLON BLADDER OTHER _____

EQUIPMENT USED

WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____

FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>		<u>SEE ABOVE</u>

NOTES

Screening interval = 45' to 47' by 1'
pid headspace = 20.1 ppb

SKETCH

See DP-22 depth interval 5'-7'

PURGE OBSERVATIONS

PURGE WATER: YES NO NUMBER OF GALLONS GENERATED: ~1.5

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling NA ml. for this sample location.

Sampler Signature: [Signature]

Print Name: Brandon Shaw

Checked By: [Signature]

Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME Gent Uniform

PROJECT NUMBER 3612092134-04.1

SAMPLE ID 1300566W02252X SAMPLE TIME 1615

SAMPLE LOCATION DP-22 DATE 12-13-2010

START TIME 1600 END TIME 1630

SITE NAME/NUMBER NYSDEC Site 130056 PAGE 1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP) 4.1 FT FINAL DTW (BMP) — FT PROT. CASING STICKUP (AGS) NA FT TOC/TOR DIFFERENCE NA FT

SAMPLE DEPTH (BMP) 52 FT SCREEN LENGTH 2 FT PID AMBIENT AIR 20.1 PPM REFILL TIMER SETTING NA SEC

WATER COLUMN ~48 FT DRAWDOWN VOLUME — GAL PID WELL MOUTH — PPM DISCHARGE TIMER SETTING NA SEC

CALCULATED GAL/VOL NA GAL TOTAL VOL. PURGED — GAL DRAWDOWN/ TOTAL PURGED NA PRESSURE TO PUMP NA PSI

(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1602</u>										<u>BEGIN PURGING</u>
<u>1610</u>	<u>4.1</u>	<u>350</u>	<u>12.01</u>	<u>0.069</u>	<u>6.46</u>	<u>0.21</u>	<u>71000</u>	<u>-743</u>	<u>-52</u>	
<u>1615</u>										<u>collected gw sample @ DP-22</u>
<u>1615</u>										<u>FINAL VALUES</u>
			<u>12</u>	<u>0.069</u>	<u>6.5</u>	<u>0.2</u>	<u>>1.0E3</u>	<u>-74</u>	<u>(62)</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED DK Olive CLOUDY TURBID Very silty ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP PERISTALTIC 30 SUBMERSIBLE BLADDER

WATERERA OTHER _____ OTHER _____

DECON FLUIDS USED LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____ OTHER _____

S. STEEL PUMP MATERIAL PVC PUMP MATERIAL GEOPROBE SCREEN TEFLON BLADDER OTHER _____ OTHER _____

EQUIPMENT USED WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>		<u>SEE ABOVE</u>

NOTES

Screening interval: 50' to 52'
PID headspace = 20.1 ppm

SKETCH

See DP22 depth interval 5'-7'

PURGE OBSERVATIONS

PURGE WATER YES NO NUMBER OF GALLONS ~1.5

CONTAINERIZED GENERATED

NO-PURGE METHOD YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

UTILIZED

Sampler Signature: [Signature] Print Name: Brandon Shaw

Checked By: [Signature] Date: 12/22/10

P:\Projects\Nysdec\qapp\2010 Revised Figures\Figure 4-10 Geoprobe GW Grab,Pore Water.xlsx

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
PROJECT NUMBER: 3612092134-04.1
SAMPLE ID: 130056 GW023/2X SAMPLE TIME: 1320

SAMPLE LOCATION: DP-23 DATE: 12-15-2010
START TIME: 1300 END TIME: 1320
SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____
WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER 1.5"
TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____
MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface
WELL INTEGRITY: YES NO N/A
CAP CASING LOCKED COLLAR
DEPTH TO WATER (BMP): 6.1 FT. FINAL DTW (BMP): - FT. PROT. CASING STICKUP (AGS): NA FT. TOC/TOR DIFFERENCE: NA FT.
SAMPLE DEPTH (BMP): 12 FT. SCREEN LENGTH: 2 FT. PID AMBIENT AIR: 6.1 PPM. REFILL TIMER SETTING: NA SEC.
WATER COLUMN: -6 FT. DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): - GAL. PID WELL MOUTH: - PPM. DISCHARGE TIMER SETTING: NA SEC.
CALCULATED GAL/VOL: NA GAL. TOTAL VOL. PURGED: ~0.15 GAL. DRAWDOWN/TOTAL PURGED: NA. PRESSURE TO PUMP: NA PSI.
(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1308</u>										BEGIN PURGING
<u>1317</u>	<u>6.1</u>	<u>-100</u>	<u>3.63</u>	<u>0.303</u>	<u>6.07</u>	<u>5.81</u>	<u>36.1</u>	<u>3.2</u>	<u>12</u>	
<u>1320</u>										<u>Collected gw Sample for DP-23</u>
<u>1320</u>										<u>Final Values</u>
			<u>9</u>	<u>0.303</u>	<u>6.1</u>	<u>5.8</u>	<u>36.1</u>	<u>3.2</u>	<u>(48)</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED _____ CLOUDY _____ TURBID _____ ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER WATERA OTHER _____

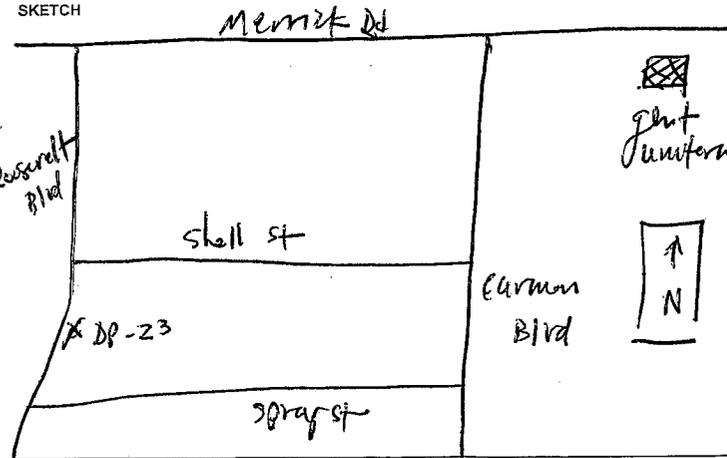
DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>SEE ABOVE</u>

NOTES
Screening interval: 10' to 12' bgs
PID: 0.4 ppb



PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~0.15

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw
Checked By: [Signature] Date: 12/22/10

Sketch drawn to scale
FIGURE 4-10
GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME Gent Uniform	
PROJECT NUMBER 3612092134-04.1	
SAMPLE ID 130056GW02317X	SAMPLE TIME 1335

SAMPLE LOCATION DP-23	DATE 12-15-2010
START TIME 1325	END TIME 1335
SITE NAME/NUMBER NYSDEC Site 130056	PAGE 1 OF 1

SAMPLE TYPE GRAB WELLS/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP) 6.1 FT FINAL DTW (BMP) - FT PROT. CASING STICKUP (AGS) NA FT TOC/TOR DIFFERENCE NA FT

SAMPLE DEPTH (BMP) 17 FT SCREEN LENGTH 2 FT PID AMBIENT AIR 0.1 PPM REFILL TIMER SETTING NA SEC

WATER COLUMN ~11 FT DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041) - GAL PID WELL MOUTH - PPM DISCHARGE TIMER SETTING NA SEC

CALCULATED GAL/VOL (column X well diameter squared X 0.041) NA GAL TOTAL VOL. PURGED ~1 GAL DRAWDOWN/ TOTAL PURGED NA PSI PRESSURE TO PUMP NA PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1326										BEGIN PURGING
1334	6.1	~350	11.59	0.322	6.27	0.41	71000	-30.7	17	
1335	Collected your sample @ DP-23									
1345	FINAL VALUES									
			12	0.322	6.3	0.4	>1.0E ³	-31	(17)	

SAMPLE OBSERVATIONS: CLEAR COLORED Reddish brown CLOUDY TURBID SILTY ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS	EQUIPMENT USED
<input checked="" type="checkbox"/> PERISTALTIC <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> BLADDER	<input checked="" type="checkbox"/> LIQUINOX <input checked="" type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER _____	<input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input checked="" type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____	<input checked="" type="checkbox"/> WATER LEVEL METER <input checked="" type="checkbox"/> PID MINI RAE <input checked="" type="checkbox"/> WQ METER YSI 556 (PINE) <input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE) <input type="checkbox"/> PUMP <input type="checkbox"/> OTHER _____ <input type="checkbox"/> FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE

NOTES

screening interval: 15' to 17' bgs
PID: 1.1 ppm

SKETCH

see DP-23 depth interval from 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO NUMBER OF GALLONS GENERATED ~1

NO-PURGE METHOD UTILIZED YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature]
Checked By: [Signature]
Print Name: Brandon Shaw
Date: 12/22/10

P:\Projects\project1\app\2010 Revised Figures\Figure 4-10 Geoprobe GW Grab,Pore Water.xlsx

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME	Gent Uniform
PROJECT NUMBER	3612092134-04.1
SAMPLE ID	130056 GW 2 322X
SAMPLE TIME	1345

SAMPLE LOCATION	DP-23	DATE	12-15-2010
START TIME	1335	END TIME	1345
SITE NAME/NUMBER	NYSDEC Site 130056	PAGE	1 OF 1

SAMPLE TYPE	<input checked="" type="checkbox"/> GRAB	<input type="checkbox"/> WELL/PIEZOMETER	<input checked="" type="checkbox"/> GEOPROBE	<input type="checkbox"/> PORE WATER	<input type="checkbox"/> OUTFALL	<input type="checkbox"/> OTHER	
WELL DIAMETER (INCHES)	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 4	<input type="checkbox"/> 6	<input type="checkbox"/> 8	<input checked="" type="checkbox"/> OTHER	1.5"
TUBING ID (INCHES)	<input type="checkbox"/> 1/8	<input type="checkbox"/> 1/4	<input checked="" type="checkbox"/> 3/8	<input type="checkbox"/> 1/2	<input type="checkbox"/> 5/8	<input type="checkbox"/> OTHER	
MEASUREMENT POINT (MP)	<input type="checkbox"/> TOP OF RISER (TOR)	<input type="checkbox"/> TOP OF CASING (TOC)	<input checked="" type="checkbox"/> OTHER below ground surface				
DEPTH TO WATER (BMP)	6.1 FT	FINAL DTW (BMP)	— FT	PROT. CASING STICKUP (AGS)	NA FT	TOC/TOR DIFFERENCE	NA FT
SAMPLE DEPTH (BMP)	22 FT	SCREEN LENGTH	2 FT	PID AMBIENT AIR	0.1 PPM	REFILL TIMER SETTING	NA SEC
WATER COLUMN	w 16 FT	DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041)	— GAL	PID WELL MOUTH	— PPM	DISCHARGE TIMER SETTING	NA SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	NA GAL	TOTAL VOL. PURGED	w GAL	DRAWDOWN/ TOTAL PURGED	NA	PRESSURE TO PUMP	NA PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1336										BEGIN PURGING
1342	6.1	350	9.11	0.356	6.4	1.32	71000	-16.0	22	
1345	Collected gw sample @ DP-23									
DAS FINAL VALUES										
			9	0.356	6.4	1.3	>1000	-16	(2)	

SAMPLE OBSERVATIONS: CLEAR COLORED Reddish brown CLOUDY TURBID Silty ODOR OTHER (see notes)

EQUIPMENT DOCUMENTATION		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
<input checked="" type="checkbox"/> PERISTALTIC	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> SILICON TUBING	<input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL	<input checked="" type="checkbox"/> WATER LEVEL METER			
<input type="checkbox"/> SUBMERSIBLE	<input checked="" type="checkbox"/> DEIONIZED WATER	<input type="checkbox"/> TEFLON TUBING	<input type="checkbox"/> PVC PUMP MATERIAL	<input checked="" type="checkbox"/> PID	MINI RAE		
<input type="checkbox"/> BLADDER	<input type="checkbox"/> POTABLE WATER	<input type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN	<input checked="" type="checkbox"/> WQ METER	YSI 556 (PINE)		
<input type="checkbox"/> WATTERA	<input type="checkbox"/> NITRIC ACID	<input checked="" type="checkbox"/> HDPE TUBING	<input type="checkbox"/> TEFLON BLADDER	<input checked="" type="checkbox"/> TURB. METER	HACH 2100P (PINE)		
<input type="checkbox"/> OTHER	<input type="checkbox"/> HEXANE	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> OTHER	<input type="checkbox"/> PUMP			
<input type="checkbox"/> OTHER	<input type="checkbox"/> METHANOL	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER			
	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	FILTERS NO. TYPE		

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	

NOTES
 Screening interval: 20' to 22' bgs
 PID: 1.1 PPM

SKETCH
 see DP-23 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO

NO-PURGE METHOD UTILIZED: YES NO

NUMBER OF GALLONS GENERATED: ~1

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature:

Print Name: Brandon Shaw

Date: 12/22/10

P:\Projects\inspec\1\qapp\2010 Revised Figures\Figure 4-10 Geoprobe GW Grab_Pore Water.xlsx

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 130056 GW 02327X
 SAMPLE TIME: 1355

SAMPLE LOCATION: DP-23
 DATE: 12-15-2010
 START TIME: 1345
 END TIME: 1355
 SITE NAME/NUMBER: NYSDEC Site 130056
 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 6.1 FT
 FINAL DTW (BMP): - FT
 PROT. CASING STICKUP (AGS): NA FT
 TOC/TOR DIFFERENCE: NA FT

SAMPLE DEPTH (BMP): 27 FT
 SCREEN LENGTH: 2 FT
 PID AMBIENT AIR: 0.1 PPM
 REFILL TIMER SETTING: NA SEC

WATER COLUMN: 121 FT
 DRAWDOWN VOLUME (Initial DTW - final DTW X well diam. squared X 0.041): - GAL
 PID WELL MOUTH: - PPM
 DISCHARGE TIMER SETTING: NA SEC

CALCULATED GALVOL: NA GAL
 (column X well diameter squared X 0.041)
 TOTAL VOL. PURGED: 21 GAL
 DRAWDOWN/TOTAL PURGED: NA
 PRESSURE TO PUMP: NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1346										BEGIN PURGING
1354	6.1	250	9.04	0.331	6.24	1.18	71000	13.7	27	
1355	Collected for sample ED0-23									
DATE FINAL VALUES										
			9	0.381	6.2	1.2	71003	14	(6)	

SAMPLE OBSERVATIONS: CLEAR COLORED Lt Brown CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
 PERISTALTIC
 SUBMERSIBLE
 BLADDER
 WATTERA
 OTHER _____

DECON FLUIDS USED
 LIQUINOX
 DEIONIZED WATER
 POTABLE WATER
 NITRIC ACID
 HEXANE
 METHANOL
 OTHER _____

TUBING/PUMP/BLADDER MATERIALS
 SILICON TUBING
 TEFLON TUBING
 TEFLON LINED TUBING
 HDPE TUBING
 LDPE TUBING
 OTHER _____
 OTHER _____

S. STEEL PUMP MATERIAL
 PVC PUMP MATERIAL
 GEOPROBE SCREEN
 TEFLON BLADDER
 OTHER _____
 OTHER _____

EQUIPMENT USED
 WATER LEVEL METER
 PID MINI RAE
 WQ METER YSI 556 (PINE)
 TURB. METER HACH 2100P (PINE)
 PUMP
 OTHER _____
 FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE

NOTES

screening interval: 25' to 27' bgs
 PID: 0.2 ppm

SKETCH

see DP-23 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: 1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or _____ ml. for this sample location.

Sampler Signature:

Print Name: Brandon Shaw

Checked By:

Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 130056 GW023 32X SAMPLE TIME: 1405

SAMPLE LOCATION: DP-23 DATE: 12-15-2010
 START TIME: 1355 END TIME: 1405
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 6.1 FT. FINAL DTW (BMP): — FT. PROT. CASING STICKUP (AGS): NA FT. TOC/TOR DIFFERENCE: NA FT.

SAMPLE DEPTH (BMP): 32 FT. SCREEN LENGTH: 2 FT. PID AMBIENT AIR: 0.1 PPM. REFILL TIMER SETTING: NA SEC.

WATER COLUMN: 126 FT. DRAWDOWN VOLUME (Initial DTW- final DTW X well diam. squared X 0.041): — GAL. PID WELL MOUTH: — PPM. DISCHARGE TIMER SETTING: NA SEC.

CALCULATED GAL/VOL (column X well diameter squared X 0.041): NA GAL. TOTAL VOL. PURGED: ~1 GAL. DRAWDOWN/ TOTAL PURGED: NA. PRESSURE TO PUMP: NA PSI.

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1356										BEGIN PURGING
1403	6.1	~350	9.36	0.167	6.13	1.31	71000	40.5	32	
1405	Collected for Sample C DP-23									
1405	Final values									
			9	0.167	6.13	1.3	>1.0E3	41	(15)	

SAMPLE OBSERVATIONS: CLEAR COLORED Lt Brown CLOUDY TURBID ODOR: OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
 PERISTALTIC SUBMERSIBLE BLADDER WATERA OTHER _____

DECON FLUIDS USED
 LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS
 SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED
 WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE

NOTES

Screening interval: 30' to 32' bgs
 PID: 0.5 ppb

SKETCH

see DP-23 depth interval 10' to 12' bgs

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler signature: [Signature] Print Name: Brandon Shaw
 Checked By: [Signature] Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME	Gent Uniform
PROJECT NUMBER	3612092134-04.1
SAMPLE ID	130056 GW02337X
SAMPLE TIME	1415

SAMPLE LOCATION	DP-23	DATE	12-15-2010
START TIME	1405	END TIME	1415
SITE NAME/NUMBER	NYSDEC Site 130056	PAGE	1 OF 1

SAMPLE TYPE	<input checked="" type="checkbox"/> GRAB	<input type="checkbox"/> WELL/PIEZOMETER	<input checked="" type="checkbox"/> GEOPROBE	<input type="checkbox"/> PORE WATER	<input type="checkbox"/> OUTFALL	<input type="checkbox"/> OTHER		WELL INTEGRITY	YES	NO	N/A
WELL DIAMETER (INCHES)	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 4	<input type="checkbox"/> 6	<input type="checkbox"/> 8	<input checked="" type="checkbox"/> OTHER	1.5"	CAP	---	---	X
TUBING ID (INCHES)	<input type="checkbox"/> 1/8	<input type="checkbox"/> 1/4	<input checked="" type="checkbox"/> 3/8	<input type="checkbox"/> 1/2	<input type="checkbox"/> 5/8	<input type="checkbox"/> OTHER		CASING	---	---	X
MEASUREMENT POINT (MP)	<input type="checkbox"/> TOP OF RISER (TOR)		<input type="checkbox"/> TOP OF CASING (TOC)		<input checked="" type="checkbox"/> OTHER		below ground surface	LOCKED	---	---	X
DEPTH TO WATER (BMP)	6.1	FT	FINAL DTW (BMP)	---	FT	PROT. CASING STICKUP (AGS)	NA	FT	TOCTOR DIFFERENCE	NA	FT
SAMPLE DEPTH (BMP)	37	FT	SCREEN LENGTH	2	FT	PID AMBIENT AIR	0.1	PPM	REFILL TIMER SETTING	NA	SEC
WATER COLUMN	631	FT	DRAWDOWN VOLUME	---	GAL	PID WELL MOUTH	---	PPM	DISCHARGE TIMER SETTING	NA	SEC
CALCULATED GAL/VOL	NA	GAL	TOTAL VOL. PURGED	~1	GAL	DRAWDOWN/ TOTAL PURGED	NA		PRESSURE TO PUMP	NA	PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1406										BEGIN PURGING
1414	6.1	~350	4.68	0.069	6.12	1.16	71000	31.6	37	
1415										Collected gr sample @ DP-23
Final values										
			10	0.069	6.1	1.2	71000	32	(38)	

SAMPLE OBSERVATIONS: CLEAR COLORED light brown CLOUDY TURBID ODOR OTHER (see notes)

EQUIPMENT DOCUMENTATION		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
<input checked="" type="checkbox"/> PERISTALTIC	<input type="checkbox"/> SUBMERSIBLE	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> DEIONIZED WATER	<input type="checkbox"/> SILICON TUBING	<input type="checkbox"/> TEFLON TUBING	<input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL	<input checked="" type="checkbox"/> WATER LEVEL METER
<input type="checkbox"/> BLADDER	<input type="checkbox"/> WATTERA	<input type="checkbox"/> POTABLE WATER	<input type="checkbox"/> NITRIC ACID	<input checked="" type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> HDPE TUBING	<input type="checkbox"/> PVC PUMP MATERIAL	<input checked="" type="checkbox"/> PID MINI RAE
<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> HEXANE	<input type="checkbox"/> METHANOL	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> OTHER	<input checked="" type="checkbox"/> GEOPROBE SCREEN	<input checked="" type="checkbox"/> WQ METER YSI 556 (PINE)
		<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> TEFLON BLADDER	<input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE)
						<input type="checkbox"/> OTHER	<input type="checkbox"/> PUMP
						<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER
						<input type="checkbox"/> OTHER	<input type="checkbox"/> FILTERS NO. TYPE

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE

NOTES
 screening interval = 35' to 37' yrs
 PID = 0.4 PPM

SKETCH
 see DP-23 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO

NUMBER OF GALLONS GENERATED: ~1

NO-PURGE METHOD UTILIZED: YES NO

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Checked By: [Signature] Print Name: Brandon Shaw
 Date: 12/22/10

FIGURE 4-10
 GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134-04.1

SAMPLE ID: 130056GW02342X SAMPLE TIME: 1425

SAMPLE LOCATION: DP-23 DATE: 12-15-2010

START TIME: 1415 END TIME: 1425

SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 6.11 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT TOC/TOR DIFFERENCE: NA FT

SAMPLE DEPTH (BMP): 42 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.1 PPM REFILL TIMER SETTING: NA SEC

WATER COLUMN: -36 FT DRAWDOWN VOLUME: — GAL PID WELL MOUTH: — PPM DISCHARGE TIMER SETTING: NA SEC

CALCULATED GALVOL: NA GAL TOTAL VOL. PURGED: ~1 GAL DRAWDOWN/TOTAL PURGED: NA PRESSURE TO PUMP: NA PSI

(column X well diameter squared X 0.041) (initial DTW- final DTW X well diam. squared X 0.041) (mL per minute X total minutes X 0.0028 gal/mL)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1416</u>										BEGIN PURGING
<u>1424</u>	<u>6.1</u>	<u>~350</u>	<u>9.41</u>	<u>0.046</u>	<u>6.00</u>	<u>1.29</u>	<u>71000</u>	<u>49.7</u>	<u>42</u>	
<u>1425</u>										Collected gw sample @ DP-23
										Final Values
			<u>9</u>	<u>0.046</u>	<u>6.0</u>	<u>1.3</u>	<u>>1.0E3</u>	<u>50</u>	<u>42</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED lt Brown CLOUDY TURBID ODOR OTHER (see notes) Sandy

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER WATERA OTHER _____

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>SEE ABOVE</u>

NOTES

Screening interval: 40' to 42' for
PID = 0.2 ppb

SKETCH

See DP-23 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location

Sampler Signature: [Signature] Print Name: Brandon Shaw

Checked By: [Signature] Date: 12/22/10

FIGURE 4-10
GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134-04.1

SAMPLE ID: 130056GW02347X SAMPLE TIME: 1435

SAMPLE LOCATION: DP-23 DATE: 12-15-2010

START TIME: 1425 END TIME: 1435

SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 6.1 FT. FINAL DTW (BMP): — FT. PROT. CASING STICKUP (AGS): NA FT. TOC/TOR DIFFERENCE: NA FT.

SAMPLE DEPTH (BMP): 47 FT. SCREEN LENGTH: 2 FT. PID AMBIENT AIR: 0.0 PPM. REFILL TIMER SETTING: NA SEC.

WATER COLUMN: 41 FT. DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041): — GAL. PID WELL MOUTH: — PPM. DISCHARGE TIMER SETTING: NA SEC.

CALCULATED GAL/VOL (column X well diameter squared X 0.041): NA GAL. TOTAL VOL. PURGED: — GAL. DRAWDOWN/ TOTAL PURGED: NA. PRESSURE TO PUMP: NA PSI.

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1426</u>										BEGIN PURGING
<u>1433</u>	<u>6.1</u>	<u>350</u>	<u>10.23</u>	<u>0.050</u>	<u>5.45</u>	<u>1.41</u>	<u>71000</u>	<u>45.5</u>	<u>47</u>	
<u>1435</u>	<u>Collected for sample EDP-23</u>									
<u>345 FINAL VALUES</u>										
	<u>10</u>		<u>0.050</u>	<u>6.0</u>	<u>1.4</u>	<u>>1.0E3</u>	<u>46</u>	<u>48</u>		

SAMPLE OBSERVATIONS: CLEAR COLORED LT Brown CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER WATERA OTHER _____

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>SEE ABOVE</u>

NOTES

Screening interval: 45' to 47' @

PID: 0.3 ppb

SKETCH

see DP-23 depth interval 6'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: 1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw

Checked By: [Signature] Date: 12/22/10

P:\Projects\ydec\1\qapp\2010 Revised Figures\Figure 4-10 Geoprobe GW Grab,Pore Water.xlsx

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134-04.1

SAMPLE ID: 130656 GW 02252X SAMPLE TIME: 1445

SAMPLE LOCATION: DP-23 DATE: 12-15-2010

START TIME: 1435 END TIME: 1500

SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 6.1 FT FINAL DTW (BMP): - FT PROT. CASING STICKUP (AGS): NA FT TOC/TOR DIFFERENCE: NA FT

SAMPLE DEPTH (BMP): 52 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.1 PPM REFILL TIMER SETTING: NA SEC

WATER COLUMN: ~46 FT DRAWDOWN VOLUME (initial DTW-final DTW X well diam. squared X 0.041): - GAL PID WELL MOUTH: - PPM DISCHARGE TIMER SETTING: NA SEC

CALCULATED GALVOL (column X well diameter squared X 0.041): NA GAL TOTAL VOL. PURGED: ~1 GAL DRAWDOWN/TOTAL PURGED: NA PRESSURE TO PUMP: NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1436</u>										BEGIN PURGING
<u>1443</u>	<u>6.1</u>	<u>~350</u>	<u>9.41</u>	<u>0.044</u>	<u>5.99</u>	<u>2.11</u>	<u>71000</u>	<u>43.2</u>	<u>52</u>	
<u>1445</u>										Collected gw sample @ DP-23
<u>1445</u>										FINAL VALUES
			<u>9</u>	<u>0.044</u>	<u>6.0</u>	<u>2.1</u>	<u>71.00</u>	<u>43</u>	<u>52</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
 PERISTALTIC SUBMERSIBLE BLADDER WATERA OTHER _____

DECON FLUIDS USED
 LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS
 SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED
 WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>		<u>SEE ABOVE</u>

NOTES
screening interval: 50' to 52' bgs
PID: 0.3 ppb

SKETCH
see DP-23 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler's Signature: [Signature] Print Name: Brandon Shaw

Checked By: [Signature] Date: 12/22/10

FIGURE 4-10
 GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
PROJECT NUMBER: 3612092134-04.1
SAMPLE ID: 130056GW02412X SAMPLE TIME: 1120

SAMPLE LOCATION: DP-24 DATE: 12-14-2010
START TIME: 11:00 END TIME: 1121
SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER: _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 4.6 FT. FINAL DTW (BMP): < FT. PROT. CASING STICKUP (AGS): NA FT. TOC/TOR DIFFERENCE: NA FT.

SAMPLE DEPTH (BMP): 12 FT. SCREEN LENGTH: 2 FT. PID AMBIENT AIR: 0.2 PPM. REFILL TIMER SETTING: NA SEC.

WATER COLUMN: -7 FT. DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): < GAL. PID WELL MOUTH: - PPM. DISCHARGE TIMER SETTING: NA SEC.

CALCULATED GAL/VOL (column X well diameter squared X 0.041): NA GAL. TOTAL VOL. PURGED: ~1.5 GAL. DRAWDOWN/TOTAL PURGED: NA. PRESSURE TO PUMP: NA PSI.

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1111										BEGIN PURGING
1119	4.6	350	12.03	0.492	6.36	0.78	71000	-20.6	12	
1120										Collected for Sample @ DP-24
										DATA FINAL VALUES
			12	0.492	6.4	0.8	71000	-21	12	

SAMPLE OBSERVATIONS: CLEAR COLORED DEBR.M. CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER DT

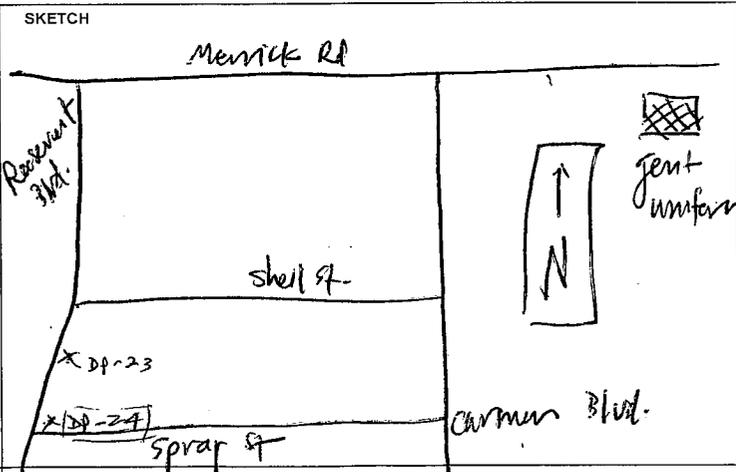
DECON FLUIDS USED: LIQUINOX DEIONIZED WATER

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER FILTERS NO. _____ TYPE _____

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SEE ABOVE

NOTES
Screening interval: 10' to 12' bgs
PID: 0.4 ppb
collected dup here also



PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~1.5

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw
Checked By: [Signature] Date: 12/22/10

figure not drawn to scale.
FIGURE 4-10
GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134-04.1

SAMPLE ID: 130056GW02417X SAMPLE TIME: 1135

SAMPLE LOCATION: DP-24 DATE: 12-14-2010

START TIME: 1122 END TIME: 1135

SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 4.6 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT TOC/TOR DIFFERENCE: NA FT

SAMPLE DEPTH (BMP): 17 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.1 PPM REFILL TIMER SETTING: NA SEC

WATER COLUMN: ~12 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): — GAL PID WELL MOUTH: — PPM DISCHARGE TIMER SETTING: NA SEC

CALCULATED GAL/VOL (column X well diameter squared X 0.041): NA GAL TOTAL VOL. PURGED: ~1.5 GAL DRAWDOWN/TOTAL PURGED: NA PRESSURE TO PUMP: NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1123</u>										BEGIN PURGING
<u>1134</u>	<u>4.6</u>	<u>350</u>	<u>12.97</u>	<u>0.380</u>	<u>6.65</u>	<u>0.33</u>	<u>71000</u>	<u>-82.3</u>	<u>17</u>	
<u>1135</u>										collected open sample @ DP-24
<u>1135</u>										Final Values
			<u>13</u>	<u>0.380</u>	<u>6.7</u>	<u>0.3</u>	<u>>1.0E3</u>	<u>-82</u>	<u>(18)</u>	

SAMPLE OBSERVATIONS: CLEAR _____ COLORED Light Brown CLOUDY _____ TURBID ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER 95

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES

Screening interval: 15' to 17' bgs
 PID: 0.3 ppb

SKETCH

see DP-24 depth interval 10' - 12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~1.5

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature]

Print Name: Brandon Shaw

Checked By: [Signature]

Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME	Gent Uniform
PROJECT NUMBER	3612092134-04.1
SAMPLE ID	130056G-W02422X
SAMPLE TIME	1145

SAMPLE LOCATION	DP-24	DATE	12-16-2010
START TIME	1136	END TIME	1145
SITE NAME/NUMBER	NYSDEC Site 130056	PAGE	1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY

YES	NO	N/A
CAP	---	X
CASING	---	X
LOCKED	---	X
COLLAR	---	X

DEPTH TO WATER (BMP)	4.6 FT	FINAL DTW (BMP)	---	PROT. CASING STICKUP (AGS)	NA FT	TOC/TOR DIFFERENCE	NA FT
SAMPLE DEPTH (BMP)	22 FT	SCREEN LENGTH	2 FT	PID AMBIENT AIR	0.2 PPM	REFILL TIMER SETTING	NA SEC
WATER COLUMN	~17 FT	DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041)	---	PID WELL MOUTH	---	DISCHARGE TIMER SETTING	NA SEC
CALCULATED GALVOL (column X well diameter squared X 0.041)	NA GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	---	DRAWDOWN/ TOTAL PURGED	NA	PRESSURE TO PUMP	NA PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1136										BEGIN PURGING
1143	4.6	450	10.55	0.303	6.50	0.43	71000	-39.7	22	
1145										Collected gw sample ADP-24
										FINAL VALUES
			11	0.303	6.5	0.4	>1.0E3	-40	(15)	

SAMPLE OBSERVATIONS: CLEAR COLORED CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS	EQUIPMENT USED
<input checked="" type="checkbox"/> PERISTALTIC SUBMERSIBLE BLADDER	<input checked="" type="checkbox"/> LIQUINOX <input checked="" type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER	<input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input checked="" type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER	<input checked="" type="checkbox"/> WATER LEVEL METER <input checked="" type="checkbox"/> PID MINI RAE <input checked="" type="checkbox"/> WQ METER YSI 556 (PINE) <input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE) <input type="checkbox"/> PUMP <input type="checkbox"/> OTHER <input type="checkbox"/> FILTERS NO. _____ TYPE _____

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES

Screening interval: 20' to 22' bgs

PID: 0.7 ppm

SKETCH

see DP-24 kept interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO

NUMBER OF GALLONS GENERATED 41

NO-PURGE METHOD UTILIZED YES NO

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: *[Signature]*

Print Name: Brandon Shaw

Checked By: *[Signature]*

Date: 12/24/10

FIGURE 4-10
GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
PROJECT NUMBER: 3612092134-04.1
SAMPLE ID: 130056GW02427X SAMPLE TIME: 1155

SAMPLE LOCATION: DP-24 DATE: 12-14-2010
START TIME: 1145 END TIME: 1155
SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 4.6 FT. FINAL DTW (BMP): — FT. PROT. CASING STICKUP (AGS): NA FT. TOC/TOR DIFFERENCE: NA FT.

SAMPLE DEPTH (BMP): 27 FT. SCREEN LENGTH: 2 FT. PID AMBIENT AIR: 0.1 PPM. REFILL TIMER SETTING: NA SEC.

WATER COLUMN: -22 FT. DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): — GAL. PID WELL MOUTH: — PPM. DISCHARGE TIMER SETTING: NA SEC.

CALCULATED GAL/VOL (column X well diameter squared X 0.041): NA GAL. TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL): — GAL. DRAWDOWN/ TOTAL PURGED: NA. PRESSURE TO PUMP: NA PSI.

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1146</u>										BEGIN PURGING
<u>1154</u>	<u>4.6</u>	<u>300</u>	<u>12-30</u>	<u>0.178</u>	<u>6.57</u>	<u>0.41</u>	<u>71000</u>	<u>-79.0</u>	<u>27</u>	
<u>1155</u>										Collected for sample @ DP-24
<u>1155</u>										FINAL VALUES
			<u>12</u>	<u>0.178</u>	<u>6.6</u>	<u>0.4</u>	<u>71000</u>	<u>-79</u>	<u>(27)</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED Brown CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC BAS SUBMERSIBLE BLADDER WATERERA OTHER _____

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 ML</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>SEE ABOVE</u>

NOTES
Screening interval: 25' to 27' bgs
PID = 0.1 ppm

SKETCH
see DP-24 depth interval 0'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: 1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw
Checked By: [Signature] Date: 12/22/10

P:\Projects\ydec1\app\2010 Revised Figures\Figure 4-10 Geoprobe GW Grab,Pore Water.xlsx

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 130056GW02432X SAMPLE TIME: 1205

SAMPLE LOCATION: DP-24 DATE: 12-14-2010
 START TIME: 1155 END TIME: 1205
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 4.6 FT. FINAL DTW (BMP): — FT. PROT. CASING STICKUP (AGS): NA FT. TOC/TOR DIFFERENCE: NA FT.

SAMPLE DEPTH (BMP): 32 FT. SCREEN LENGTH: 2 FT. PID AMBIENT AIR: 0.1 PPM. REFILL TIMER SETTING: NA SEC.

WATER COLUMN: 427 FT. DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): — GAL. PID WELL MOUTH: — PPM. DISCHARGE TIMER SETTING: NA SEC.

CALCULATED GALVOL (column X well diameter squared X 0.041): NA GAL. TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL): ~1 GAL. DRAWDOWN/ TOTAL PURGED: NA. PRESSURE TO PUMP: NA PSI.

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1156</u>										<u>BEGIN PURGING</u>
<u>1204</u>	<u>4.6</u>	<u>300</u>	<u>11.89</u>	<u>0.038</u>	<u>6.40</u>	<u>0.75</u>	<u>71000</u>	<u>-3.1</u>	<u>-32</u>	
<u>1205</u>	<u>collected for sample @ DP-24</u>									
<u>BPT</u>	<u>FINAL VALUES</u>									
			<u>12</u>	<u>0.038</u>	<u>6.4</u>	<u>0.8</u>	<u>21.053</u>	<u>-3.1</u>	<u>32</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED Light Brown CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER PT WATERERA OTHER _____

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HOPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 558 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>SEE ABOVE</u>

NOTES
Screening interval: 30' to 32' by
PID = 0.400 =

SKETCH
see DP-24 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw
 Checked By: [Signature] Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
PROJECT NUMBER: 3612092134-04.1
SAMPLE ID: 1300566W0243TX SAMPLE TIME: 1215

SAMPLE LOCATION: DP-2A DATE: 12-14-2010
START TIME: 1205 END TIME: 1215
SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____
WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"
TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____
MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface
DEPTH TO WATER (BMP): 4.6 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT
SAMPLE DEPTH (BMP): 37 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.1 PPM
WATER COLUMN: ~32 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): — GAL
CALCULATED GAL/VOL (column X well diameter squared X 0.041): NA GAL TOTAL VOL. PURGED: ~1 GAL DRAWDOWN/TOTAL PURGED: NA

WELL INTEGRITY
YES NO N/A
CAP _____ X
CASING _____ X
LOCKED _____ X
COLLAR _____ X
TOC/TOR DIFFERENCE: NA FT
REFILL TIMER SETTING: NA SEC
DISCHARGE TIMER SETTING: NA SEC
PRESSURE TO PUMP: NA PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1206										BEGIN PURGING
1213	4.6	300	11.70	0.040	6.01	0.97	953	37.6	37	
1215										Collected for Sample @ DP-2A
										Final Values
			12	0.040	6.0	1.0	950 [±]	38	(LB)	

SAMPLE OBSERVATIONS: CLEAR COLORED H2Oive CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION
TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER BT
DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____
TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____
EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____
FILTERS NO. _____ TYPE _____

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE

NOTES
Screening interval: 35' to 37' bgs
PID: 0.2 ppm

SKETCH
see DP-2A depth interval 10'-12'

PURGE OBSERVATIONS
PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~1
NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sample Signature: [Signature] Print Name: Brandon Shaw
Checked By: [Signature] Date: 12/20

FIGURE 4-10
GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 1300566W02A42X SAMPLE TIME: 1225

SAMPLE LOCATION: DP-24 DATE: 12-14-2010
 START TIME: 1215 END TIME: 1225
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP): 4.6 FT. FINAL DTW (BMP): - FT. PROT. CASING STICKUP (AGS): NA FT. TOC/TOR DIFFERENCE: NA FT.

SAMPLE DEPTH (BMP): 42 FT. SCREEN LENGTH: 2 FT. PID AMBIENT AIR: 0.1 PPM. REFILL TIMER SETTING: NA SEC.

WATER COLUMN: 437 FT. DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): - GAL. PID WELL MOUTH: - PPM. DISCHARGE TIMER SETTING: NA SEC.

CALCULATED GALVOL (column X well diameter squared X 0.041): NA GAL. TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL): 1 GAL. DRAWDOWN/ TOTAL PURGED: NA. PRESSURE TO PUMP: NA PSI.

WELL INTEGRITY: YES NO N/A
 CAP CASING LOCKED COLLAR

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1216</u>										<u>BEGIN PURGING</u>
<u>1223</u>	<u>4.6</u>	<u>300</u>	<u>11.67</u>	<u>0.053</u>	<u>6.09</u>	<u>0.66</u>	<u>71000</u>	<u>2.0</u>	<u>42</u>	
<u>1225</u>	<u>Collected for sample @ DP-24</u>									
<u>1225</u>										<u>FINAL VALUES</u>
			<u>12</u>	<u>0.053</u>	<u>6.1</u>	<u>0.7</u>	<u>71000</u>	<u>2.0</u>	<u>42</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED DK Olive CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC BA SUBMERSIBLE BLADDER WATERA OTHER _____

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 ML</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>SEE ABOVE</u>

NOTES

Screening interval: 40' to 42' bgs
PID: 0.6 pps

SKETCH

See DP-24 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature]

Print Name: Brandon Shaw

Checked By: [Signature]

Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME	Gent Uniform
PROJECT NUMBER	3612092134-04.1
SAMPLE ID	130056GW02A47X
SAMPLE TIME	1235

SAMPLE LOCATION	DP-24	DATE	12-14-2010
START TIME	1225	END TIME	1235
SITE NAME/NUMBER	NYSDEC Site 130056	PAGE	1 OF 1

SAMPLE TYPE	<input checked="" type="checkbox"/> GRAB	<input type="checkbox"/> WELL/PIEZOMETER	<input checked="" type="checkbox"/> GEOPROBE	<input type="checkbox"/> PORE WATER	<input type="checkbox"/> OUTFALL	<input type="checkbox"/> OTHER	WELL INTEGRITY	YES	NO	N/A
WELL DIAMETER (INCHES)	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 4	<input type="checkbox"/> 6	<input type="checkbox"/> 8	<input checked="" type="checkbox"/> OTHER 1.5"	CAP	---	---	X
TUBING ID (INCHES)	<input type="checkbox"/> 1/8	<input type="checkbox"/> 1/4	<input checked="" type="checkbox"/> 3/8	<input type="checkbox"/> 1/2	<input type="checkbox"/> 5/8	<input type="checkbox"/> OTHER	CASING	---	---	X
MEASUREMENT POINT (MP)	<input type="checkbox"/> TOP OF RISER (TOR)	<input type="checkbox"/> TOP OF CASING (TOC)	<input checked="" type="checkbox"/> OTHER below ground surface				LOCKED	---	---	X
							COLLAR	---	---	X

DEPTH TO WATER (BMP)	4.6 FT	FINAL DTW (BMP)	- FT	PROT. CASING STICKUP (AGS)	NA FT	TOC/TOR DIFFERENCE	NA FT
SAMPLE DEPTH (BMP)	47 FT	SCREEN LENGTH	2 FT	PID AMBIENT AIR	0.1 PPM	REFILL TIMER SETTING	NA SEC
WATER COLUMN	-42 FT	DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041)	- GAL	PID WELL MOUTH	- PPM	DISCHARGE TIMER SETTING	NA SEC
CALCULATED GALVOL (column X well diameter squared X 0.041)	NA GAL	TOTAL VOL. PURGED	~1 GAL	DRAWDOWN/ TOTAL PURGED	NA	PRESSURE TO PUMP	NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1226										BEGIN PURGING
1234	4.6	300	11.41	0.067	6.23	0.39	71000	-57.1	47	
1235										Collected for sample @ DP-24
1235										Final values
			11	0.067	6.2	0.4	>1.0E3	-57	(R)	

SAMPLE OBSERVATIONS: CLEAR COLORED Olive CLOUDY TURBID ODOR OTHER (see notes)

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC SUBMERSIBLE BLADDER	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> SILICON TUBING	<input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL
<input type="checkbox"/> WATERERA	<input checked="" type="checkbox"/> DEIONIZED WATER	<input type="checkbox"/> TEFLON TUBING	<input checked="" type="checkbox"/> PVC PUMP MATERIAL
<input type="checkbox"/> OTHER	<input type="checkbox"/> POTABLE WATER	<input type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN
	<input type="checkbox"/> NITRIC ACID	<input checked="" type="checkbox"/> HDPE TUBING	<input checked="" type="checkbox"/> TEFLON BLADDER
	<input type="checkbox"/> HEXANE	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> OTHER
	<input type="checkbox"/> METHANOL	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER
	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES

Screening interval: 15' to 47' bgs
PID = 0.8 ppm

SKETCH

See DP-24 depth interval 10' - 12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	NUMBER OF GALLONS GENERATED	~1
NO-PURGE METHOD UTILIZED	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.	

Sampler Signature:

Print Name: Brandon Shaw

Checked By:

Date: 12/24/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME	Gent Uniform
PROJECT NUMBER	3612092134-04.1
SAMPLE ID	1300566W02452X
SAMPLE TIME	1245

SAMPLE LOCATION	DP-24	DATE	12-14-2010
START TIME	1235	END TIME	1255
SITE NAME/NUMBER	NYSDEC Site 130056	PAGE	1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP) 4.6 FT FINAL DTW (BMP) - FT PROT. CASING STICKUP (AGS) NA FT

SAMPLE DEPTH (BMP) 52 FT SCREEN LENGTH 2 FT PID AMBIENT AIR 0.11 PPM

WATER COLUMN 1.77 FT DRAWDOWN VOLUME - GAL PID WELL MOUTH - PPM

CALCULATED GAL/VOL NA GAL TOTAL VOL. PURGED ~1 GAL DRAWDOWN/TOTAL PURGED NA

WELL INTEGRITY YES NO N/A
 CAP _____ X
 CASING _____ X
 LOCKED _____ X
 COLLAR _____ X

TOC/TOR DIFFERENCE NA FT
 REFILL TIMER SETTING NA SEC
 DISCHARGE TIMER SETTING NA SEC
 PRESSURE TO PUMP NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1236										BEGIN PURGING
1244	4.6	300	11.37	0.050	6.07	0.28	71000	-15.5	52	
1245	Collected for sample @ DP-24									
DAS FINAL VALUES					6.1					
			11	0.05	6.07	0.3	71.0E3	-16	(18)	

SAMPLE OBSERVATIONS: CLEAR _____ COLORED blue CLOUDY _____ TURBID X ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

<p>TYPE OF PUMP</p> <input checked="" type="checkbox"/> PERISTALTIC SUBMERSIBLE BLADDER <u>DAS</u> <input type="checkbox"/> WATTERA <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____	<p>DECON FLUIDS USED</p> <input checked="" type="checkbox"/> LIQUINOX <input checked="" type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER _____	<p>TUBING/PUMP/BLADDER MATERIALS</p> <input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input checked="" type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____	<p>EQUIPMENT USED</p> <input checked="" type="checkbox"/> WATER LEVEL METER <input checked="" type="checkbox"/> PID MINI RAE <input checked="" type="checkbox"/> WQ METER YSI 556 (PINE) <input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE) <input type="checkbox"/> PUMP <input type="checkbox"/> OTHER _____ <input type="checkbox"/> FILTERS NO. _____ TYPE _____
--	--	--	---

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES

Screening interval: 50' to 52' by
 PID: 0.2 ppb

SKETCH

See DP-24 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER YES NO NUMBER OF GALLONS GENERATED ~1

CONTAINERIZED YES NO

NO-PURGE METHOD UTILIZED YES NO

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature:

Print Name: Brandon Shaw

Checked By:

Date: 12/24/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134-04.1

SAMPLE ID: 130656Gw02512X SAMPLE TIME: 0905

SAMPLE LOCATION: DP-25 DATE: 12-14-2010

START TIME: 0855 END TIME: 0906

SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 6.1 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT TOC/TOR DIFFERENCE: NA FT

SAMPLE DEPTH (BMP): 12 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.1 PPM REFILL TIMER SETTING: NA SEC

WATER COLUMN: nb FT DRAWDOWN VOLUME (initial DTW-final DTW X well diam. squared X 0.041): — GAL PID WELL MOUTH: — PPM DISCHARGE TIMER SETTING: NA SEC

CALCULATED GAL/VOL (column X well diameter squared X 0.041): NA GAL TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL): 0.1 GAL DRAWDOWN/TOTAL PURGED: NA PRESSURE TO PUMP: NA PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>0857</u>										BEGIN PURGING
<u>0904</u>	<u>6.1</u>	<u>~50.</u>	<u>8.30</u>	<u>0.851</u>	<u>6.74</u>	<u>0.50</u>	<u>71000</u>	<u>-122.6</u>	<u>12</u>	
<u>0905</u>										Collected gw sample C DP-25
										WAS FINAL VALUES
			<u>8</u>	<u>0.851</u>	<u>6.7</u>	<u>0.5</u>	<u>71000</u>	<u>-120</u>	<u>(19)</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED DEOlive CLOUDY TURBID v. silty - 1.2 ntu ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER WATERA OTHER _____

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

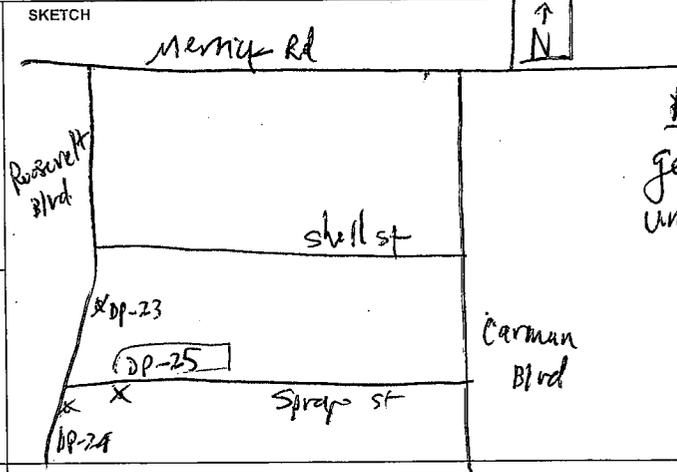
EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 ML</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>SEE ABOVE</u>

NOTES

Screening interval: 10' to 12' bgs

PID headspace: 1.4 ppm



PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: 0.1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw

Checked By: [Signature] Date: 12/22/10

FIGURE 4-10
GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 1300566W02517X SAMPLE TIME: 0915

SAMPLE LOCATION: DP-25 DATE: 12-14-2010
 START TIME: 0907 END TIME: 0917
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 15"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 6.1 FT FINAL DTW (BMP): - FT PROT. CASING STICKUP (AGS): NA FT TOC/TOR DIFFERENCE: NA FT

SAMPLE DEPTH (BMP): ~17 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.17 PPM REFILL TIMER SETTING: NA SEC

WATER COLUMN: ~11 FT DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041): - GAL PID WELL MOUTH: - PPM DISCHARGE TIMER SETTING: NA SEC

CALCULATED GAL/VOL (column X well diameter squared X 0.041): NA GAL TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL): ~1 GAL DRAWDOWN/ TOTAL PURGED: NA PRESSURE TO PUMP: NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
										BEGIN PURGING
<u>0914</u>	<u>6.1</u>	<u>300</u>	<u>9.59</u>	<u>0.461</u>	<u>6.61</u>	<u>0.85</u>	<u>71000</u>	<u>-70.0</u>	<u>~17</u>	
<u>0915</u>										<u>Collected gw sample @ DP-25</u>
										FINAL VALUES
			<u>10</u>	<u>0.461</u>	<u>6.6</u>	<u>0.9</u>	<u>71.0E3</u>	<u>-70</u>	<u>(68)</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED lt brown CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER WATTERA OTHER _____

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 558 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>SEE ABOVE</u>

NOTES
Screening interval: 15' to 17' bgs
PD: 1.0 PP: =
- collected methods were also.

SKETCH
See DP-25 depth interval 10' - 12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Checked By: [Signature] Print Name: Brandon Shaw
 Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 1300566W02522 X SAMPLE TIME: 0930

SAMPLE LOCATION: DP-25 DATE: 12-14-2010
 START TIME: 0920 END TIME: 0931
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 6.1 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT

SAMPLE DEPTH (BMP): 22 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.2 PPM

WATER COLUMN: 6.6 FT DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041): — GAL PID WELL MOUTH: — PPM

CALCULATED GAL/VOL: NA GAL TOTAL VOL. PURGED: 21 GAL DRAWDOWN/ TOTAL PURGED: NA

WELL INTEGRITY: YES NO N/A
 CAP CASING LOCKED COLLAR

TOC/TOR DIFFERENCE: NA FT REFILL TIMER SETTING: NA SEC DISCHARGE TIMER SETTING: NA SEC PRESSURE TO PUMP: NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>0920</u>										BEGIN PURGING
<u>0924</u>	<u>6.1</u>	<u>300</u>	<u>12.47</u>	<u>0.357</u>	<u>6.47</u>	<u>0.77</u>	<u>71000</u>	<u>-43.4</u>	<u>22</u>	
<u>0925</u>	<u>collected gw sample @ DP-25</u>									
<u>Final Values</u>										
			<u>12</u>	<u>0.357</u>	<u>6.5</u>	<u>0.8</u>	<u>>1.0e⁵</u>	<u>-43</u>		

SAMPLE OBSERVATIONS: CLEAR COLORED BROWN CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER PTS WATERA OTHER _____

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>SEE ABOVE</u>

NOTES

screening interval: 20' to 22' ggs
pid = 4.4 ppm

SKETCH

see DP-25 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER: YES NO NUMBER OF GALLONS GENERATED: 21

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature]

Print Name: Brandon Shaw

Checked By: [Signature]

Date: 12/22/10

FIGURE 4-10
 GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME Gent Uniform	
PROJECT NUMBER 3612092134-04.1	
SAMPLE ID 130056GW025 27X	SAMPLE TIME 0945

SAMPLE LOCATION DP-25	DATE 12-14-2010
START TIME 0933	END TIME 0945
SITE NAME/NUMBER NYSDEC Site 130056	PAGE 1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP) 6.1 FT FINAL DTW (BMP) — FT PROT. CASING STICKUP (AGS) NA FT TOC/TOR DIFFERENCE NA FT

SAMPLE DEPTH (BMP) -27 FT SCREEN LENGTH 2 FT PID AMBIENT AIR _____ PPM REFILL TIMER SETTING NA SEC

WATER COLUMN ~21 FT DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041) — GAL PID WELL MOUTH — PPM DISCHARGE TIMER SETTING NA SEC

CALCULATED GALVOL NA GAL TOTAL VOL. PURGED 1 GAL DRAWDOWN/ TOTAL PURGED NA PRESSURE TO PUMP NA PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
0934										BEGIN PURGING
0939	6.1	300	12.21	0.502	6.12	0.52	71000	-35.1	-27	
0945										Collected GW Sample @ DP-25
1041										FINAL VALUES
			12.12	0.502	6.1	0.5	71.0E3	-35	(65)	

SAMPLE OBSERVATIONS: CLEAR COLORED CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER *BT*

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

S. STEEL PUMP MATERIAL PVC PUMP MATERIAL GEOPROBE SCREEN TEFLON BLADDER OTHER _____

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES

screening interval: 25' to 27' bgs
PID - 0.8 mV

SKETCH

see DP-25 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER YES NO NUMBER OF GALLONS GENERATED ~1

CONTAINERIZED YES NO

NO-PURGE METHOD UTILIZED YES NO

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: *[Signature]* Print Name: Brandon Shaw
Checked By: *[Signature]* Date: 12/20/10

FIGURE 4-10
GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME	Gent Uniform
PROJECT NUMBER	3612092134-04.1
SAMPLE ID	1300566-W02532X
SAMPLE TIME	0955

SAMPLE LOCATION	DP-25	DATE	12-14-2010
START TIME	0945	END TIME	0955
SITE NAME/NUMBER	NYSDEC Site 130056	PAGE	1 OF 1

SAMPLE TYPE	<input checked="" type="checkbox"/> GRAB	<input type="checkbox"/> WELL/PIEZOMETER	<input checked="" type="checkbox"/> GEOPROBE	<input type="checkbox"/> PORE WATER	<input type="checkbox"/> OUTFALL	<input type="checkbox"/> OTHER	WELL INTEGRITY	YES	NO	N/A
WELL DIAMETER (INCHES)	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 4	<input type="checkbox"/> 6	<input type="checkbox"/> 8	<input checked="" type="checkbox"/> OTHER 1.5"	CAP	---	---	N/A
TUBING ID (INCHES)	<input type="checkbox"/> 1/8	<input type="checkbox"/> 1/4	<input checked="" type="checkbox"/> 3/8	<input type="checkbox"/> 1/2	<input type="checkbox"/> 5/8	<input type="checkbox"/> OTHER	CASING	---	---	X
MEASUREMENT POINT (MP)	<input type="checkbox"/> TOP OF RISER (TOR)	<input type="checkbox"/> TOP OF CASING (TOC)	<input checked="" type="checkbox"/> OTHER below ground surface				LOCKED	---	---	X
DEPTH TO WATER (BMP)	6.1 FT	FINAL DTW (BMP)	---	FT	PROT. CASING STICKUP (AGS)	NA FT	DIFFERENCE	NA	FT	
SAMPLE DEPTH (BMP)	~32 FT	SCREEN LENGTH	2	FT	PID AMBIENT AIR	0.1 PPM	REFILL TIMER SETTING	NA	SEC	
WATER COLUMN	~26 FT	DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041)	---	GAL	PID WELL MOUTH	---	DISCHARGE TIMER SETTING	NA	SEC	
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	NA GAL	TOTAL VOL. PURGED	~1	GAL	DRAWDOWN/ TOTAL PURGED	NA	PRESSURE TO PUMP	NA	PSI	

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
0946										BEGIN PURGING
0954	6.1	300	11.12	0.281	6.30	0.37	71000	-62.1	~32	
0955	Collected for sample # DP-25									
	FINAL VALUES									
			11	0.281	6.3	0.4	71000	-62	(10)	

SAMPLE OBSERVATIONS: CLEAR COLORED (Lightish Brown) CLOUDY TURBID ODOR OTHER (see notes)

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC SUBMERSIBLE BLADDER	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> SILICON TUBING	<input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL
<input type="checkbox"/> WATERA	<input checked="" type="checkbox"/> DEIONIZED WATER	<input type="checkbox"/> TEFLON TUBING	<input checked="" type="checkbox"/> PVC PUMP MATERIAL
<input type="checkbox"/> OTHER	<input type="checkbox"/> POTABLE WATER	<input type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN
	<input type="checkbox"/> NITRIC ACID	<input checked="" type="checkbox"/> HDPE TUBING	<input checked="" type="checkbox"/> TEFLON BLADDER
	<input type="checkbox"/> HEXANE	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> OTHER
	<input type="checkbox"/> METHANOL	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER
	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES

screening interval: 30' to 32' bgs
PID: 1.0 ppm

SKETCH

see DP-25 depth interval 10' - 12'

PURGE OBSERVATIONS

PURGE WATER YES NO NUMBER OF GALLONS GENERATED ~1

CONTAINERIZED YES NO

NO-PURGE METHOD UTILIZED YES NO

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Brandon Shaw
Print Name:

Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME Gent Uniform	
PROJECT NUMBER 3612092134-04.1	
SAMPLE ID 130056GW02537X	SAMPLE TIME 1005

SAMPLE LOCATION DP-25	DATE 12-14-2010
START TIME 0955	END TIME 1005
SITE NAME/NUMBER NYSDEC Site 130056	PAGE 1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP) 6.1 FT FINAL DTW (BMP) - FT PROT. CASING STICKUP (AGS) NA FT

SAMPLE DEPTH (BMP) 37 FT SCREEN LENGTH 2 FT PID AMBIENT AIR 20.1 PPM

WATER COLUMN 31 FT DRAWDOWN VOLUME - GAL PID WELL MOUTH - PPM

CALCULATED GALVOL NA GAL TOTAL VOL. PURGED 115 GAL

TOC/TOR DIFFERENCE NA FT

REFILL TIMER SETTING NA SEC

DISCHARGE TIMER SETTING NA SEC

PRESSURE TO PUMP NA PSI

WELL INTEGRITY YES NO N/A
CAP _____ X
CASING _____ X
LOCKED _____ X
COLLAR _____ X

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mw)	PUMP INTAKE DEPTH (ft)	COMMENTS
0956										BEGIN PURGING
0959	6.1	350	11.75	0.136	6.42	0.91	71000	-62.1	37	
1005										Collected gw Sample @ DP-25
										FINAL VALUES
			12	0.136	6.4	0.9	21.0E ³	-62	6.9	

SAMPLE OBSERVATIONS: CLEAR _____ COLORED 4 Brown CLOUDY _____ TURBID Sandy. ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC SUBMERSIBLE BLADDER	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> SILICON TUBING	<input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL
<input type="checkbox"/> WATERERA	<input checked="" type="checkbox"/> DEIONIZED WATER	<input type="checkbox"/> TEFLON TUBING	<input checked="" type="checkbox"/> PVC PUMP MATERIAL
<input type="checkbox"/> OTHER _____	<input type="checkbox"/> POTABLE WATER	<input checked="" type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN
	<input type="checkbox"/> NITRIC ACID	<input checked="" type="checkbox"/> HDPE TUBING	<input checked="" type="checkbox"/> TEFLON BLADDER
	<input type="checkbox"/> HEXANE	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> OTHER _____
	<input type="checkbox"/> METHANOL	<input type="checkbox"/> OTHER _____	<input type="checkbox"/> OTHER _____
	<input type="checkbox"/> OTHER _____	<input type="checkbox"/> OTHER _____	<input type="checkbox"/> OTHER _____

EQUIPMENT USED
 WATER LEVEL METER
 PID MINI RAE
 WQ METER YSI 556 (PINE)
 TURB. METER HACH 2100P (PINE)
 PUMP
 OTHER
 FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES

screaming interval: 35' to 37' bgs
 PID = 0.8 ppm

SKETCH

see DP-25 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER YES NO NUMBER OF GALLONS GENERATED 115

CONTAINERIZED YES

NO-PURGE METHOD YES NO

UTILIZED YES

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature:

Print Name: Brandon Shaw

Checked By:

Date: 12/20/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME Gent Uniform	
PROJECT NUMBER 3612092134-04.1	
SAMPLE ID 1300566W02542X	SAMPLE TIME 1015

SAMPLE LOCATION DP-25	DATE 12-14-2010
START TIME 1005	END TIME 1015
SITE NAME/NUMBER NYSDEC Site 130056	PAGE 1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP) 6.1 FT FINAL DTW (BMP) — FT PROT. CASING STICKUP (AGS) NA FT

SAMPLE DEPTH (BMP) ~42 FT SCREEN LENGTH 2 FT PID AMBIENT AIR 0.1 PPM

WATER COLUMN ~26 FT DRAWDOWN VOLUME — GAL PID WELL MOUTH — PPM

CALCULATED GAL/VOL NA GAL TOTAL VOL. PURGED ~1 GAL DRAWDOWN/ TOTAL PURGED NA

WELL INTEGRITY YES NO N/A
CAP — — X
CASING — — X
LOCKED — — X
COLLAR — — X

TOC/TOR DIFFERENCE NA FT
REFILL TIMER SETTING NA SEC
DISCHARGE TIMER SETTING NA SEC
PRESSURE TO PUMP NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1006										BEGIN PURGING
1013	6.1	350	11.02	0.048	6.35	0.98	71000	-243	~42	
1015										collected gw sample @ DP-25
1017										FINAL VALUES
			11	0.048	6.4	0.10	>1.0E3	-24	68	

SAMPLE OBSERVATIONS: CLEAR COLORED Lt olive CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS	EQUIPMENT USED
<input checked="" type="checkbox"/> PERISTALTIC <i>PS</i> <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> BLADDER	<input checked="" type="checkbox"/> LIQUINOX <input checked="" type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER	<input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input checked="" type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER <input type="checkbox"/> OTHER	<input checked="" type="checkbox"/> WATER LEVEL METER <input checked="" type="checkbox"/> PID MINI RAE <input checked="" type="checkbox"/> WQ METER YSI 556 (PINE) <input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE) <input type="checkbox"/> PUMP <input type="checkbox"/> OTHER <input type="checkbox"/> FILTERS NO. TYPE

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES

Screening interval: 70' to 42' bgs
PID: 0.3 ppm

SKETCH

See DP-25 depth interval 10' - 12'

PURGE OBSERVATIONS

PURGE WATER YES NO NUMBER OF GALLONS GENERATED ~1

CONTAINERIZED YES NO

NO-PURGE METHOD UTILIZED YES NO

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Gampler Signature: *[Signature]* Print Name: Brander Shaw
Checked By: *[Signature]* Date: 12/20/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 1300566W02547X SAMPLE TIME: 1025

SAMPLE LOCATION: DP-25 DATE: 12-14-2010
 START TIME: 1015 END TIME: 1025
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 6.11 FT FINAL DTW (BMP): - FT PROT. CASING STICKUP (AGS): NA FT

SAMPLE DEPTH (BMP): ~47 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.2 PPM

WATER COLUMN: ~41 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): - GAL PID WELL MOUTH: - PPM

CALCULATED GALVOL: NA GAL TOTAL VOL. PURGED: ~1 GAL DRAWDOWN/TOTAL PURGED: NA

WELL INTEGRITY: YES NO N/A
 CAP CASING LOCKED COLLAR: YES NO N/A

TOC/TOR DIFFERENCE: NA FT REFILL TIMER SETTING: NA SEC
 DISCHARGE TIMER SETTING: NA SEC PRESSURE TO PUMP: NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1015</u>										<u>BEGIN PURGING</u>
<u>1022</u>	<u>6.1</u>	<u>300</u>		<u>10.59</u>	<u>0.068</u>	<u>6.31</u>	<u>0.41</u>	<u>71000</u>	<u>-59.3</u>	<u>~47</u>
<u>1025</u>										<u>Collected gw sample @ DP-25</u>
<u>1025</u>										<u>FINAL VALUES</u>
			<u>11</u>	<u>0.068</u>	<u>6.3</u>	<u>0.4</u>	<u>21.0E3</u>	<u>-59</u>		<u>(C)</u>

SAMPLE OBSERVATIONS: CLEAR COLORED LT Olive CLOUDY TURBID V. Silty ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER BT

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LOPE TUBING OTHER _____

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 558 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>SEE ABOVE</u>

NOTES: Screening interval: 45' to 47' bgs
PID: 0.6 ppm

SKETCH: see DP-25 depth interval 10'-12'

PURGE OBSERVATIONS: PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Checked By: [Signature] Date: 12/22/10
 Print Name: Brandon Shaw

FIGURE 4-10
 GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134-04.1

SAMPLE ID: 130056GW02552X SAMPLE TIME: 1035

SAMPLE LOCATION: DP-25 DATE: 12-14-2010

START TIME: 1025 END TIME: 1055

SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): -6.1 FT FINAL DTW (BMP): - FT PROT. CASING STICKUP (AGS): NA FT TOC/TOR DIFFERENCE: NA FT

SAMPLE DEPTH (BMP): 52 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.1 PPM REFILL TIMER SETTING: NA SEC

WATER COLUMN: 46 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): - GAL PID WELL MOUTH: - PPM DISCHARGE TIMER SETTING: NA SEC

CALCULATED GAL/VOL (column X well diameter squared X 0.041): NA GAL TOTAL VOL. PURGED: -1 GAL DRAWDOWN/ TOTAL PURGED: NA PRESSURE TO PUMP: NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1026</u>										<u>BEGIN PURGING</u>
<u>1034</u>	<u>6.1</u>	<u>300</u>	<u>11.57</u>	<u>0.066</u>	<u>6.57</u>	<u>0.12</u>	<u>71000</u>	<u>-78.1</u>	<u>52</u>	
<u>1035</u>										<u>Collected gw sample @ DP-25</u>
<u>1037</u>										<u>FINAL VALUES</u>
			<u>12</u>	<u>0.066</u>	<u>6.6</u>	<u>0.1</u>	<u>>1.0E3</u>	<u>-98</u>	<u>(C)</u>	

SAMPLE OBSERVATIONS: CLEAR _____ COLORED DK Olive CLOUDY _____ TURBID fine sand ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER DP WATTERA OTHER _____

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HOPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES

Screening interval: 50' to 52' bgs
PID = 0.5 ppb

SKETCH

see DP-25 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: 1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: _____

Print Name: Birando-shaw

Checked By: _____

Date: 12/20/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME	Gent Uniform
PROJECT NUMBER	3612092134-04.1
SAMPLE ID	130056GW02612X
SAMPLE TIME	1450

SAMPLE LOCATION	DP-26	DATE	12-16-2010
START TIME	1438	END TIME	1450
SITE NAME/NUMBER	NYSDEC Site 130056	PAGE	1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY

YES	NO	N/A
CAP	---	X
CASING	---	X
LOCKED	---	X
COLLAR	---	X

DEPTH TO WATER (BMP)	6.2 FT	FINAL DTW (BMP)	— FT	PROT. CASING STICKUP (AGS)	NA FT	TOC/TOR DIFFERENCE	NA FT
SAMPLE DEPTH (BMP)	12 FT	SCREEN LENGTH	2 FT	PID AMBIENT AIR	0.1 PPM	REFILL TIMER SETTING	NA SEC
WATER COLUMN	46 FT	DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041)	— GAL	PID WELL MOUTH	— PPM	DISCHARGE TIMER SETTING	NA SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	NA GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	~0.5 GAL	DRAWDOWN/ TOTAL PURGED	NA	PRESSURE TO PUMP	NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1438										BEGIN PURGING
1448	6.2	~50	11.09	0.440	6.04	0.09	7/000	-78.1	12	
1450	Collected gw sample @ DP-26									
BATS FINAL VALUES										
			11	0.440	6.0	0.1	>1.0E3	-78 (CB)		

SAMPLE OBSERVATIONS: CLEAR COLORED DK Brown CLOUDY TURBID ODOR OTHER (see notes) Sandy

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC SUBMERSIBLE BLADDER	<input checked="" type="checkbox"/> LIQUINOX DEIONIZED WATER	<input checked="" type="checkbox"/> SILICON TUBING	<input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL	<input checked="" type="checkbox"/> WATER LEVEL METER
<input type="checkbox"/> WATTERA	<input type="checkbox"/> POTABLE WATER	<input type="checkbox"/> TEFLON TUBING	<input type="checkbox"/> PVC PUMP MATERIAL	<input checked="" type="checkbox"/> PID
<input type="checkbox"/> OTHER	<input type="checkbox"/> NITRIC ACID	<input checked="" type="checkbox"/> HDPE TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN	<input checked="" type="checkbox"/> WQ METER YSI 556 (PINE)
<input type="checkbox"/> OTHER	<input type="checkbox"/> HEXANE	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> TEFLON BLADDER	<input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE)
	<input type="checkbox"/> METHANOL	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> PUMP
	<input type="checkbox"/> OTHER		<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER
			<input type="checkbox"/> OTHER	<input type="checkbox"/> FILTERS NO. _____ TYPE _____

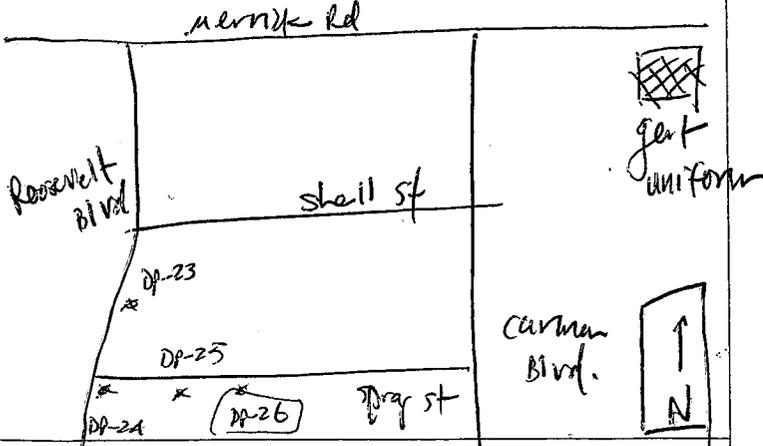
ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES

Screening interval: 10' to 12' bgs
 PID: 0.6 ppm

SKETCH



PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO

NO-PURGE METHOD UTILIZED: YES NO

NUMBER OF GALLONS GENERATED: ~0.5

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature:
 Print Name: Brandon Shaw
 Checked By:
 Date: 12/22/10

FIGURE 4-10
 GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134-04.1

SAMPLE ID: 130056GW02617X SAMPLE TIME: 1500

SAMPLE LOCATION: DP-26 DATE: 12-16-2010

START TIME: 1450 END TIME: 1500

SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP): 6.2 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT

SAMPLE DEPTH (BMP): 17 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.1 PPM

WATER COLUMN: 211 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): — GAL

CALCULATED GAL/VOL (column X well diameter squared X 0.041): NA GAL TOTAL VOL. PURGED: 0.5 GAL DRAWDOWN/ TOTAL PURGED: NA

WELL INTEGRITY

	YES	NO	N/A
CAP	—	—	X
CASING	—	—	X
LOCKED	—	—	X
COLLAR	—	—	X

TOC/TOR DIFFERENCE: NA FT

REFILL TIMER SETTING: NA SEC

DISCHARGE TIMER SETTING: NA SEC

PRESSURE TO PUMP: NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1451</u>										<u>BEGIN PURGING</u>
<u>1458</u>	<u>6.2</u>	<u>200</u>	<u>12.56</u>	<u>0.197</u>	<u>6.53</u>	<u>0.35</u>	<u>71000</u>	<u>-44.0</u>	<u>17</u>	
<u>1500</u>										<u>Collected gw sample @ DP-26</u>
										<u>Final values</u>
			<u>12</u>	<u>0.197</u>	<u>6.5</u>	<u>0.4</u>	<u>71000</u>	<u>-44</u>	<u>(9)</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED Reddish Brown CLOUDY TURBID ODOR OTHER (see notes) Sandy

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC SUBMERSIBLE BLADDER	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> SILICON TUBING	<input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL
<input type="checkbox"/> WATERA	<input checked="" type="checkbox"/> DEIONIZED WATER	<input type="checkbox"/> TEFLON TUBING	<input checked="" type="checkbox"/> PVC PUMP MATERIAL
<input type="checkbox"/> OTHER	<input type="checkbox"/> POTABLE WATER	<input checked="" type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN
	<input type="checkbox"/> NITRIC ACID	<input type="checkbox"/> HDPE TUBING	<input checked="" type="checkbox"/> TEFLON BLADDER
	<input type="checkbox"/> HEXANE	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> OTHER
	<input type="checkbox"/> METHANOL	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER
	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 ML</u>	<input checked="" type="checkbox"/>		<u>SEE ABOVE</u>

NOTES

Screening interval: 15' to 17' bgs

PID: 0.3 ppm

SKETCH

See DP-26 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO

NO-PURGE METHOD UTILIZED: YES NO

NUMBER OF GALLONS GENERATED: ~0.5

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw

Checked By: [Signature] Date: 12/20/10

P:\Projects\NYSDEC\app\2010 Revised Figures\Figure 4-10 Geoprobe GW Grab.Pore Water.xlsx

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 130056GW02622X SAMPLE TIME: 1510

SAMPLE LOCATION: DP-26 DATE: 12-16-2010
 START TIME: 1500 END TIME: 1510
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____
 WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER 1.5"
 TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY
 YES NO N/A
 CAP _____ X
 CASING _____ X
 LOCKED _____ X
 COLLAR _____ X

DEPTH TO WATER (BMP): 6.2 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT TOC/TOR DIFFERENCE: NA FT
 SAMPLE DEPTH (BMP): 22 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.1 PPM REFILL TIMER SETTING: NA SEC
 WATER COLUMN: ~16 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): — GAL PID WELL MOUTH: — PPM DISCHARGE TIMER SETTING: NA SEC
 CALCULATED GALVOL: NA GAL TOTAL VOL. PURGED: ~1 GAL DRAWDOWN/ TOTAL PURGED: NA PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1501										BEGIN PURGING
1509	6.2	350	11.62	0.048	6.04	1.11	71000	29.4	22	
1510										Collected gw sample @ DP-26
										FINAL VALVES
			12	0.048	6.0	1.1	>1.0E3	29	(C)	

SAMPLE OBSERVATIONS: CLEAR COLORED Lt Brown CLOUDY TURBID ODOR OTHER (see notes) Little sand

EQUIPMENT DOCUMENTATION

TYPE OF PUMP <input checked="" type="checkbox"/> PERISTALTIC <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> BLADDER <input type="checkbox"/> WATERA <input type="checkbox"/> OTHER _____	DECON FLUIDS USED <input checked="" type="checkbox"/> LIQUINOX <input checked="" type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER _____	TUBING/PUMP/BLADDER MATERIALS <input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input checked="" type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER _____	EQUIPMENT USED <input checked="" type="checkbox"/> WATER LEVEL METER <input checked="" type="checkbox"/> PID MINI RAE <input checked="" type="checkbox"/> WQ METER YSI 556 (PINE) <input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE) <input type="checkbox"/> PUMP <input type="checkbox"/> OTHER _____ <input type="checkbox"/> FILTERS NO. _____ TYPE _____
--	--	--	---

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	✓		SEE ABOVE

NOTES
Screening interval: 20' to 22' sp1
PID: 0.2 ppm

SKETCH
see pp-26 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Checked By: [Signature] Print Name: Brandon Shaw
 Date: 12/24/10

FIGURE 4-10
 GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME	Gent Uniform
PROJECT NUMBER	3612092134-04.1
SAMPLE ID	130056G-W02627K
SAMPLE TIME	1520

SAMPLE LOCATION	DP-26	DATE	12-16-2010
START TIME	1510	END TIME	1520
SITE NAME/NUMBER	NYSDEC Site 130056	PAGE	1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY

YES	NO	N/A
CAP	---	X
CASING	---	X
LOCKED	---	X
COLLAR	---	X

DEPTH TO WATER (BMP)	6.2 FT	FINAL DTW (BMP)	— FT	PROT. CASING STICKUP (AGS)	NA FT	TOC/TOR DIFFERENCE	NA FT
SAMPLE DEPTH (BMP)	27 FT	SCREEN LENGTH	2 FT	PID AMBIENT AIR	0.1 PPM	REFILL TIMER SETTING	NA SEC
WATER COLUMN	21 FT	DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041)	— GAL	PID WELL MOUTH	— PPM	DISCHARGE TIMER SETTING	NA SEC
CALCULATED GALVOL (column X well diameter squared X 0.041)	NA GAL	TOTAL VOL. PURGED	1 GAL	DRAWDOWN/ TOTAL PURGED	NA	PRESSURE TO PUMP	NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1511										BEGIN PURGING
1519	6.2	350	11.31	0.058	5.87	1.13	71000.	95.6	27	
1520										Collected gw sample @ DP-26
										FINAL VALUES
			11.	0.058	5.9	1.1	>1.0E3	46	27	

SAMPLE OBSERVATIONS: CLEAR COLORED olive CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> SILICON TUBING	<input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL
<input type="checkbox"/> SUBMERSIBLE	<input checked="" type="checkbox"/> DEIONIZED WATER	<input type="checkbox"/> TEFLON TUBING	<input checked="" type="checkbox"/> PVC PUMP MATERIAL
<input type="checkbox"/> BLADDER	<input type="checkbox"/> POTABLE WATER	<input type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN
<input type="checkbox"/> WATTERA	<input type="checkbox"/> NITRIC ACID	<input checked="" type="checkbox"/> HDPE TUBING	<input checked="" type="checkbox"/> TEFLON BLADDER
<input type="checkbox"/> OTHER _____	<input type="checkbox"/> HEXANE	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> OTHER _____
<input type="checkbox"/> OTHER _____	<input type="checkbox"/> METHANOL	<input type="checkbox"/> OTHER _____	<input type="checkbox"/> OTHER _____
	<input type="checkbox"/> OTHER _____	<input type="checkbox"/> OTHER _____	<input type="checkbox"/> OTHER _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE

NOTES

Screening interval: 25' to 27' bgs

PID: 0.4 ppm

SKETCH

see dp-26 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO

NUMBER OF GALLONS GENERATED 1

NO-PURGE METHOD UTILIZED YES NO

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

Sampler Signature:

Print Name: Pranishon Shaw

Checked By:

Date: 12/22/10

FIGURE 4-10
GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME	Gent Uniform
PROJECT NUMBER	3612092134-04.1
SAMPLE ID	130056GW02632X
SAMPLE TIME	1530

SAMPLE LOCATION	DP-26	DATE	12-16-2010
START TIME	1520	END TIME	1530
SITE NAME/NUMBER	NYSDEC Site 130056	PAGE	1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY

	YES	NO	N/A
CAP	—	—	X
CASING	—	—	X
LOCKED	—	—	X
COLLAR	—	—	X

DEPTH TO WATER (BMP)	6.2 FT	FINAL DTW (BMP)	— FT	PROT. CASING STICKUP (AGS)	NA FT	TOC/TOR DIFFERENCE	NA FT
SAMPLE DEPTH (BMP)	32 FT	SCREEN LENGTH	2 FT	PID AMBIENT AIR	0.1 PPM	REFILL TIMER SETTING	NA SEC
WATER COLUMN	~26 FT	DRAWDOWN VOLUME (Initial DTW- final DTW X well diam. squared X 0.041)	— GAL	PID WELL MOUTH	— PPM	DISCHARGE TIMER SETTING	NA SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	NA GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	~1 GAL	DRAWDOWN/ TOTAL PURGED	NA	PRESSURE TO PUMP	NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1521										BEGIN PURGING
1524	6.2	~350	11.07	0.039	5.65	1.20	7100	66.6	32	
1530										Collected gw sample @ DP-26
1530										Final Valves
			11	0.039	5.7	1.2	7100	67	32	

SAMPLE OBSERVATIONS: CLEAR COLORED *Brown Drizzle* CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> SILICON TUBING	<input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL
<input type="checkbox"/> SUBMERSIBLE	<input checked="" type="checkbox"/> DEIONIZED WATER	<input type="checkbox"/> TEFLON TUBING	<input type="checkbox"/> PVC PUMP MATERIAL
<input type="checkbox"/> BLADDER	<input type="checkbox"/> POTABLE WATER	<input type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN
<input type="checkbox"/> WATTERA	<input type="checkbox"/> NITRIC ACID	<input checked="" type="checkbox"/> HDPE TUBING	<input type="checkbox"/> TEFLON BLADDER
<input type="checkbox"/> OTHER	<input type="checkbox"/> HEXANE	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> OTHER
<input type="checkbox"/> OTHER	<input type="checkbox"/> METHANOL	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER
	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER

EQUIPMENT USED

<input checked="" type="checkbox"/> WATER LEVEL METER
<input checked="" type="checkbox"/> PID MINI RAE
<input checked="" type="checkbox"/> WQ METER YSI 556 (PINE)
<input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE)
<input type="checkbox"/> PUMP
<input type="checkbox"/> OTHER
<input type="checkbox"/> FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	✓		SEE ABOVE

NOTES

Screening interval: 30' to 32' by
 PID: 0.2 ppm

SKETCH

see dp-26 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO

NUMBER OF GALLONS GENERATED ~1

NO-PURGE METHOD UTILIZED YES NO

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Checked By: *[Signature]*

Print Name: Brandon Shaw

Date: 12/22/10

FIGURE 4-10
 GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME	Gent Uniform
PROJECT NUMBER	3612092134-04.1
SAMPLE ID	130056GW02637X
SAMPLE TIME	1540

SAMPLE LOCATION	DP-26	DATE	12-16-2010
START TIME	1530	END TIME	1540
SITE NAME/NUMBER	NYSDEC Site 130056	PAGE	1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY

YES	NO	N/A
CAP	---	X
CASING	---	X
LOCKED	---	X
COLLAR	---	X

DEPTH TO WATER (BMP)	6.2 FT	FINAL DTW (BMP)	— FT	PROT. CASING STICKUP (AGS)	NA FT	TOC/TOR DIFFERENCE	NA FT
SAMPLE DEPTH (BMP)	37 FT	SCREEN LENGTH	2 FT	PID AMBIENT AIR	0.1 PPM	REFILL TIMER SETTING	NA SEC
WATER COLUMN	~31 FT	DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041)	— GAL	PID WELL MOUTH	— PPM	DISCHARGE TIMER SETTING	NA SEC
CALCULATED GALVOL (column X well diameter squared X 0.041)	NA GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	~1 GAL	DRAWDOWN/ TOTAL PURGED	NA	PRESSURE TO PUMP	NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1531										BEGIN PURGING
1539	6.2	350	10.39	0.040	5.54	0.80	71000	61.5	37	
1540										Collected gw sample @ DP-26
										Final Values
			10	0.04	5.5	0.8	~1.0E3	62	(6)	

SAMPLE OBSERVATIONS: CLEAR COLORED LF Olive CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC SUBMERSIBLE BLADDER	<input checked="" type="checkbox"/> LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID	<input checked="" type="checkbox"/> SILICON TUBING	<input type="checkbox"/> S. STEEL PUMP MATERIAL	<input checked="" type="checkbox"/> WATER LEVEL METER
<input type="checkbox"/> WATTERA	<input type="checkbox"/> HEXANE METHANOL OTHER	<input checked="" type="checkbox"/> TEFLON LINED TUBING	<input type="checkbox"/> PVC PUMP MATERIAL	<input checked="" type="checkbox"/> PID
<input type="checkbox"/> OTHER		<input type="checkbox"/> HDPE TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN	<input checked="" type="checkbox"/> WQ METER YSI 556 (PINE)
		<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> TEFLON BLADDER	<input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE)
		<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> PUMP
		<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER
			<input type="checkbox"/> OTHER	<input type="checkbox"/> FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE

NOTES

Screening interval: 35' to 37' bgs
 PID: 0.3 ppm

SKETCH

see dp-26 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO NUMBER OF GALLONS GENERATED ~1

NO-PURGE METHOD UTILIZED YES NO If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

Checked By: Print Name: Brandon Shar Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134-04.1

SAMPLE ID: 130056GW02642X SAMPLE TIME: 1550

SAMPLE LOCATION: DP-26 DATE: 12-16-2010

START TIME: 1540 END TIME: 1550

SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

WELL INTEGRITY

YES	NO	N/A
CAP	---	X
CASING	---	X
LOCKED	---	X
COLLAR	---	X

DEPTH TO WATER (BMP): <u>6.2</u> FT	FINAL DTW (BMP): <u>---</u> FT	PROT. CASING STICKUP (AGS): <u>NA</u> FT	TOC/TOR DIFFERENCE: <u>NA</u> FT
SAMPLE DEPTH (BMP): <u>42</u> FT	SCREEN LENGTH: <u>2</u> FT	PID AMBIENT AIR: <u>6.1</u> PPM	REFILL TIMER SETTING: <u>NA</u> SEC
WATER COLUMN: <u>~36</u> FT	DRAWDOWN VOLUME: <u>---</u> GAL	PID WELL MOUTH: <u>---</u> PPM	DISCHARGE TIMER SETTING: <u>NA</u> SEC
CALCULATED GALVOL: <u>NA</u> GAL	TOTAL VOL. PURGED: <u>6.1</u> GAL	DRAWDOWN/TOTAL PURGED: <u>NA</u>	PRESSURE TO PUMP: <u>NA</u> PSI

(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1541										BEGIN PURGING
1549	6.2	~350	10.01	0.041	5.58	1.16	71000	55.1	42	
1550										Collected gw sample @ DP-26
<i>DATA FINAL VALUES</i>										
			10	0.041	5.6	1.2	71.000	55	42	

SAMPLE OBSERVATIONS: CLEAR COLORED Dirty CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> SILICON TUBING	<input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL
<input type="checkbox"/> SUBMERSIBLE	<input checked="" type="checkbox"/> DEIONIZED WATER	<input type="checkbox"/> TEFLON TUBING	<input checked="" type="checkbox"/> PVC PUMP MATERIAL
<input type="checkbox"/> BLADDER	<input type="checkbox"/> POTABLE WATER	<input checked="" type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN
<input type="checkbox"/> WATTERA	<input type="checkbox"/> NITRIC ACID	<input checked="" type="checkbox"/> HDPE TUBING	<input checked="" type="checkbox"/> TEFLON BLADDER
<input type="checkbox"/> OTHER _____	<input type="checkbox"/> HEXANE	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> OTHER _____
<input type="checkbox"/> OTHER _____	<input type="checkbox"/> METHANOL	<input type="checkbox"/> OTHER _____	<input type="checkbox"/> OTHER _____
	<input type="checkbox"/> OTHER _____		<input type="checkbox"/> OTHER _____

EQUIPMENT USED

<input checked="" type="checkbox"/> WATER LEVEL METER
<input checked="" type="checkbox"/> PID MINI RAE
<input checked="" type="checkbox"/> WQ METER YSI 556 (PINE)
<input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE)
<input type="checkbox"/> PUMP
<input type="checkbox"/> OTHER _____
<input type="checkbox"/> FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE

NOTES

Screening interval: 40' to 42' bgs
 PID: 6.2 ppm

SKETCH

see DP-26 depth interval 10' - 12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw

Checked By: [Signature] Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME	Gent Uniform
PROJECT NUMBER	3612092134-04.1
SAMPLE ID	130056GW02652X
SAMPLE TIME	1610

SAMPLE LOCATION	DP-26	DATE	12-16-2010
START TIME	1600	END TIME	1610
SITE NAME/NUMBER	NYSDEC Site 130056	PAGE	1 OF 1

SAMPLE TYPE	<input checked="" type="checkbox"/> GRAB	<input type="checkbox"/> WELL/PIEZOMETER	<input checked="" type="checkbox"/> GEOPROBE	<input type="checkbox"/> PORE WATER	<input type="checkbox"/> OUTFALL	<input type="checkbox"/> OTHER	WELL INTEGRITY	YES	NO	N/A
WELL DIAMETER (INCHES)	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 4	<input type="checkbox"/> 6	<input type="checkbox"/> 8	<input checked="" type="checkbox"/> OTHER 1.5"	CAP	---	---	X
TUBING ID (INCHES)	<input type="checkbox"/> 1/8	<input type="checkbox"/> 1/4	<input checked="" type="checkbox"/> 3/8	<input type="checkbox"/> 1/2	<input type="checkbox"/> 5/8	<input type="checkbox"/> OTHER	CASING	---	---	X
MEASUREMENT POINT (MP)	<input type="checkbox"/> TOP OF RISER (TOR)	<input type="checkbox"/> TOP OF CASING (TOC)	<input checked="" type="checkbox"/> OTHER below ground surface			LOCKED	---	---	---	X
DEPTH TO WATER (BMP)	6.2 FT	FINAL DTW (BMP)	---	PROT. CASING STICKUP (AGS)	NA FT	TOC/TOR DIFFERENCE	---	---	---	---
SAMPLE DEPTH (BMP)	52 FT	SCREEN LENGTH	2 FT	PID AMBIENT AIR	0.1 PPM	REFILL TIMER SETTING	---	---	---	---
WATER COLUMN	46 FT	DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041)	---	PID WELL MOUTH	---	DISCHARGE TIMER SETTING	---	---	---	---
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	NA GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	---	DRAWDOWN/ TOTAL PURGED	NA	PRESSURE TO PUMP	---	---	---	---

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1601										BEGIN PURGING
1609	6.2	350	9.51	0.045	5.75	0.90	71000	21.4	52	
1610										Collected gw sample @ DP-26
BAY FINAL VALUES										
			10	0.045	5.8	0.9	>1.0E3	21	60	

SAMPLE OBSERVATIONS:

CLEAR COLORED blue CLOUDY TURBID ODOR OTHER (see notes) Some Suck

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> SILICON TUBING	<input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL
<input type="checkbox"/> SUBMERSIBLE	<input checked="" type="checkbox"/> DEIONIZED WATER	<input type="checkbox"/> TEFLON TUBING	<input type="checkbox"/> PVC PUMP MATERIAL
<input type="checkbox"/> BLADDER	<input type="checkbox"/> POTABLE WATER	<input type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN
<input type="checkbox"/> WATTERA	<input type="checkbox"/> NITRIC ACID	<input checked="" type="checkbox"/> HDPE TUBING	<input checked="" type="checkbox"/> TEFLON BLADDER
<input type="checkbox"/> OTHER	<input type="checkbox"/> HEXANE	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> OTHER
<input type="checkbox"/> OTHER	<input type="checkbox"/> METHANOL	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER
<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER

EQUIPMENT USED

<input checked="" type="checkbox"/> WATER LEVEL METER
<input checked="" type="checkbox"/> PID MINI RAE
<input checked="" type="checkbox"/> WQ METER YSI 556 (PINE)
<input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE)
<input type="checkbox"/> PUMP
<input type="checkbox"/> OTHER
<input type="checkbox"/> FILTERS NO. TYPE

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES

Screening interval: 50' to 52' bgs
PID: 0.3 ppm

SKETCH

see dp-26 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	NUMBER OF GALLONS GENERATED	~1
CONTAINERIZED	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
NO-PURGE METHOD UTILIZED	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	If yes, purged approximately 1 standing volume prior to sampling or <u>NA</u> mL for this sample location.	

Gampler Signature:

Print Name: Brandon Shaw

Checked By:

Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME Gent Uniform	
PROJECT NUMBER 3612092134-04.1	
SAMPLE ID 130056GW02812X	SAMPLE TIME 1330

SAMPLE LOCATION DP-28	DATE 12-14-2010
START TIME 1320	END TIME 1330
SITE NAME/NUMBER NYSDEC Site 130056	PAGE 1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY

YES	NO	N/A
___	___	X

DEPTH TO WATER (BMP) <u>5.9</u> FT	FINAL DTW (BMP) — FT	PROT. CASING STICKUP (AGS) NA FT	TOC/TOR DIFFERENCE NA FT
SAMPLE DEPTH (BMP) <u>12</u> FT	SCREEN LENGTH <u>2</u> FT	PID AMBIENT AIR PPM	REFILL TIMER SETTING NA SEC
WATER COLUMN <u>-6</u> FT	DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041) — GAL	PID WELL MOUTH PPM	DISCHARGE TIMER SETTING NA SEC
CALCULATED GALVOL (column X well diameter squared X 0.041) NA GAL	TOTAL VOL. PURGED <u>-0.5</u> GAL (ml per minute X total minutes X 0.00026 gal/ml)	DRAWDOWN/ TOTAL PURGED NA	PRESSURE TO PUMP NA PSI

TIME	DTW (FT)	PURGE RATE (ml/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1321										BEGIN PURGING
1324	5.9	100	8.57	0.632	6.24	0.55	71000	-27.6	12	
1330										Collected gw sample @ DP-28
										FINAL VALUES
			9	0.632	6.3	0.6	71.0E3	-28	(12)	

SAMPLE OBSERVATIONS: CLEAR COLORED DE BROWN CLOUDY TURBID ODOR _____ OTHER (see notes) _____

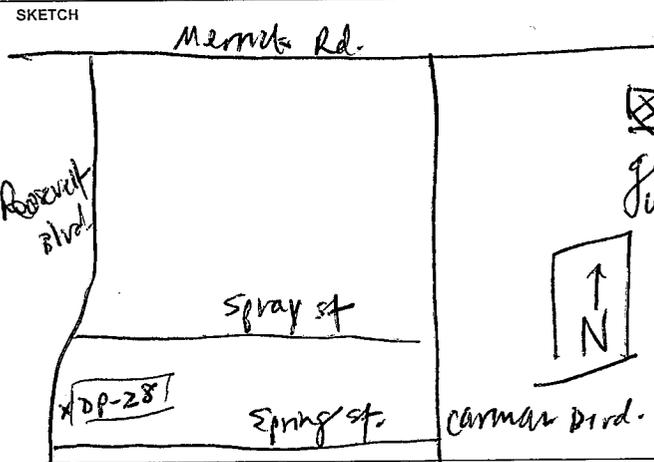
EQUIPMENT DOCUMENTATION

TYPE OF PUMP <input checked="" type="checkbox"/> PERISTALTIC <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> BLADDER <input checked="" type="checkbox"/> WATTERA <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____	DECON FLUIDS USED <input checked="" type="checkbox"/> LIQUINOX <input checked="" type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER _____	TUBING/PUMP/BLADDER MATERIALS <input type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____	EQUIPMENT USED <input checked="" type="checkbox"/> WATER LEVEL METER <input checked="" type="checkbox"/> PID MINI RAE <input checked="" type="checkbox"/> WQ METER YSI 556 (PINE) <input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE) <input type="checkbox"/> PUMP <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____ FILTERS NO. _____ TYPE _____
---	---	---	---

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SEE ABOVE

NOTES

Screening interval: 10' to 12' by
 P.D. 0.3 ppm
 collected dry here



PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO

NO-PURGE METHOD UTILIZED YES NO

NUMBER OF GALLONS GENERATED 0.5

If yes, purged approximately 1 standing volume prior to sampling or NA ml for this sample location.

Sampler Signature: *[Signature]*

Print Name: Brandon Shaw

Checked By: *[Signature]*

Date: 12/22/10

Sketch not drawn to scale

FIGURE 4-10
 GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134-04.1

SAMPLE ID: 130056GW02817X SAMPLE TIME: 1340

SAMPLE LOCATION: DP-28 DATE: 12-14-2010

START TIME: 1331 END TIME: 1340

SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 5.9 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT TOC/TOR DIFFERENCE: NA FT

SAMPLE DEPTH (BMP): 17 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.2 PPM REFILL TIMER SETTING: NA SEC

WATER COLUMN: 211 FT DRAWDOWN VOLUME: — GAL PID WELL MOUTH: — PPM DISCHARGE TIMER SETTING: NA SEC

CALCULATED GAL/VOL: NA GAL TOTAL VOL PURGED: 0.15 GAL DRAWDOWN/TOTAL PURGED: NA PRESSURE TO PUMP: NA PSI

(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1332</u>										<u>BEGIN PURGING</u>
<u>1334</u>	<u>5.9</u>	<u>100</u>	<u>10.81</u>	<u>0.243</u>	<u>6.2</u>	<u>0.29</u>	<u>71000</u>	<u>-29.5</u>	<u>-17</u>	
<u>1340</u>	<u>Collected for sample @ DP-28</u>									
<u>1345</u>	<u>Final Values</u>									
			<u>11</u>	<u>0.243</u>	<u>6.2</u>	<u>0.3</u>	<u>21.0E3</u>	<u>-30</u>	<u>(CB)</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED Yellow brown CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER DP WATTERA OTHER

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER FILTERS NO. _____ TYPE _____

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>		<u>SEE ABOVE</u>

NOTES

Screening interval: 15' to 17' yrs

PID: 0.5 ppm

SKETCH

see DP-28 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: 0.5

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw

Checked By: [Signature] Date: 12/22/10

P:\Project\130056\130056\2010 Revised Figures\Figure 4-10 Geoprobe GW Grab,Pore Water.xlsx

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 130056 GW 02822X SAMPLE TIME: 1350

SAMPLE LOCATION: DP-28 DATE: 12-14-2010
 START TIME: 1340 END TIME: 1350
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____
 WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 15"
 TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 5.9 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT TOC/TOR DIFFERENCE: NA FT
 SAMPLE DEPTH (BMP): 22 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.2 PPM REFILL TIMER SETTING: NA SEC
 WATER COLUMN: ~16 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): — GAL PID WELL MOUTH: — PPM DISCHARGE TIMER SETTING: NA SEC
 CALCULATED GAL/VOL (column X well diameter squared X 0.041): NA GAL TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL): ~2 GAL DRAWDOWN/ TOTAL PURGED: NA PSI PRESSURE TO PUMP: NA PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1341</u>										BEGIN PURGING
<u>1349</u>	<u>5.9</u>	<u>300</u>	<u>10.80</u>	<u>0.246</u>	<u>6.20</u>	<u>0.56</u>	<u>71000</u>	<u>-283</u>	<u>22</u>	
<u>1350</u>										Collected gas sample @ DP-28
<u>1351</u>										FINAL VALUES
			<u>11</u>	<u>0.246</u>	<u>6.2</u>	<u>0.6</u>	<u>>1.0E8</u>	<u>-28</u>	<u>(16)</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED Blue/Brown CLOUDY TURBID ODOR: _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: <input checked="" type="checkbox"/> PERISTALTIC <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> BLADDER <input checked="" type="checkbox"/> WATTERA <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____	DECON FLUIDS USED: <input checked="" type="checkbox"/> LIQUINOX <input checked="" type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER _____	TUBING/PUMP/BLADDER MATERIALS: <input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input checked="" type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____	EQUIPMENT USED: <input checked="" type="checkbox"/> WATER LEVEL METER <input checked="" type="checkbox"/> PID MINI RAE <input checked="" type="checkbox"/> WQ METER YSI 556 (PINE) <input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE) <input type="checkbox"/> PUMP <input type="checkbox"/> OTHER _____ FILTERS NO. _____ TYPE _____
---	---	---	---

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES
 Screening interval: 20' to 22' bgs
 PID: 0.5 pPL

SKETCH
 See dp-28 depth interval 10' - 12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw
 Checked By: [Signature] Date: 12/20/10

FIGURE 4-10
 GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME	Gent Uniform
PROJECT NUMBER	3612092134-04.1
SAMPLE ID	130056GW02827X
SAMPLE TIME	1400

SAMPLE LOCATION	DP-28	DATE	12-14-2010
START TIME	1350	END TIME	1400
SITE NAME/NUMBER	NYSDEC Site 130056	PAGE	1 OF 1

SAMPLE TYPE	<input checked="" type="checkbox"/> GRAB	<input type="checkbox"/> WELL/PIEZOMETER	<input checked="" type="checkbox"/> GEOPROBE	<input type="checkbox"/> PORE WATER	<input type="checkbox"/> OUTFALL	<input type="checkbox"/> OTHER	WELL INTEGRITY	YES	NO	N/A
WELL DIAMETER (INCHES)	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 4	<input type="checkbox"/> 6	<input type="checkbox"/> 8	<input checked="" type="checkbox"/> OTHER 1.5"	CAP	---	---	X
TUBING ID (INCHES)	<input type="checkbox"/> 1/8	<input type="checkbox"/> 1/4	<input checked="" type="checkbox"/> 3/8	<input type="checkbox"/> 1/2	<input type="checkbox"/> 5/8	<input type="checkbox"/> OTHER	CASING	---	---	X
MEASUREMENT POINT (MP)	<input type="checkbox"/> TOP OF RISER (TOR)	<input type="checkbox"/> TOP OF CASING (TOC)	<input checked="" type="checkbox"/> OTHER below ground surface				LOCKED	---	---	X
DEPTH TO WATER (BMP)	5.9 FT	FINAL DTW (BMP)	---	FT	PROT. CASING STICKUP (AGS)	NA FT	COLLAR	---	---	X
SAMPLE DEPTH (BMP)	27 FT	SCREEN LENGTH	2	FT	PID AMBIENT AIR	0.2 PPM	TOC/TOR DIFFERENCE	NA	FT	
WATER COLUMN	~21 FT	DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041)	---	GAL	PID WELL MOUTH	---	REFILL TIMER SETTING	NA	SEC	
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	NA GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	~1	GAL	DRAWDOWN/ TOTAL PURGED	NA	DISCHARGE TIMER SETTING	NA	SEC	
							PRESSURE TO PUMP	NA	PSI	

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1351										BEGIN PURGING
1558	5.4	300	10.63	0.246	6.67	0.29	71000	-7.6	~27	
1400										Collect gw sample @ DP-28
1400										FINAL VALUES
			11	0.246	6.1	0.8	71000	-7.6	Ⓢ	Reddish Brown

SAMPLE OBSERVATIONS: CLEAR COLORED Reddish Brown CLOUDY TURBID ODOR OTHER (see notes)

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC SUBMERSIBLE BLADDER	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> SILICON TUBING	<input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL
<input type="checkbox"/> WATERA	<input checked="" type="checkbox"/> DEIONIZED WATER	<input type="checkbox"/> TEFLON TUBING	<input type="checkbox"/> PVC PUMP MATERIAL
<input type="checkbox"/> OTHER	<input type="checkbox"/> POTABLE WATER	<input type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN
<input type="checkbox"/> OTHER	<input type="checkbox"/> NITRIC ACID	<input checked="" type="checkbox"/> HDPE TUBING	<input checked="" type="checkbox"/> TEFLON BLADDER
	<input type="checkbox"/> HEXANE	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> OTHER
	<input type="checkbox"/> METHANOL	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER
	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	

NOTES
Screening interval: 25' to 27' bgs
PID: 0.4 ppb

SKETCH
see dp-28 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO

NO-PURGE METHOD UTILIZED: YES NO

NUMBER OF GALLONS GENERATED: 1

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: *[Signature]*
Print Name: Brandon Shaw
Date: 12/20/10

FIGURE 4-10
GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME Gent Uniform
PROJECT NUMBER 3612092134-04.1
SAMPLE ID 1300566N02832X
SAMPLE TIME 1410

SAMPLE LOCATION DP-28	DATE 12-14-2010
START TIME 1400	END TIME 1410
SITE NAME/NUMBER NYSDEC Site 130056	PAGE 1 OF 1

SAMPLE TYPE	<input checked="" type="checkbox"/> GRAB	<input type="checkbox"/> WELL/PIEZOMETER	<input checked="" type="checkbox"/> GEOPROBE	<input type="checkbox"/> PORE WATER	<input type="checkbox"/> OUTFALL	<input type="checkbox"/> OTHER	WELL INTEGRITY	YES	NO	N/A	
WELL DIAMETER (INCHES)	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 4	<input type="checkbox"/> 6	<input type="checkbox"/> 8	<input checked="" type="checkbox"/> OTHER	1.5"	___	___	___	
TUBING ID (INCHES)	<input type="checkbox"/> 1/8	<input type="checkbox"/> 1/4	<input checked="" type="checkbox"/> 3/8	<input type="checkbox"/> 1/2	<input type="checkbox"/> 5/8	<input type="checkbox"/> OTHER	___	___	___	___	
MEASUREMENT POINT (MP)	<input type="checkbox"/> TOP OF RISER (TOR)	<input type="checkbox"/> TOP OF CASING (TOC)	<input checked="" type="checkbox"/> OTHER below ground surface								
DEPTH TO WATER (BMP)	5.9	FT	FINAL DTW (BMP)	—	FT	PROT. CASING STICKUP (AGS)	NA	FT	TOC/TOR DIFFERENCE	NA	FT
SAMPLE DEPTH (BMP)	32	FT	SCREEN LENGTH	2	FT	PID AMBIENT AIR	0.2	PPM	REFILL TIMER SETTING	NA	SEC
WATER COLUMN	26	FT	DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041)	—	GAL	PID WELL MOUTH	—	PPM	DISCHARGE TIMER SETTING	NA	SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	NA	GAL	TOTAL VOL. PURGED	—	GAL	DRAWDOWN/ TOTAL PURGED	NA		PRESSURE TO PUMP	NA	PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1401										BEGIN PURGING
1408	5.9	300	9.20	0.061	6.05	0.98	71000	31.7	32	
1410										Collected for sample
1411										FINAL VALUES
	9			0.061	6.1	1.0	71000	32	(32)	

SAMPLE OBSERVATIONS: CLEAR COLORED Lt Brown CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
<input checked="" type="checkbox"/> PERISTALTIC	<input checked="" type="checkbox"/> SUBMERSIBLE	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> DEIONIZED WATER	<input checked="" type="checkbox"/> SILICON TUBING	<input type="checkbox"/> S. STEEL PUMP MATERIAL	<input checked="" type="checkbox"/> WATER LEVEL METER	<input checked="" type="checkbox"/> PID MINI RAE
<input type="checkbox"/> BLADDER		<input type="checkbox"/> POTABLE WATER	<input type="checkbox"/> NITRIC ACID	<input type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> PVC PUMP MATERIAL	<input checked="" type="checkbox"/> WQ METER YSI 556 (PINE)	<input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE)
<input checked="" type="checkbox"/> WATTERA		<input type="checkbox"/> HEXANE	<input type="checkbox"/> METHANOL	<input checked="" type="checkbox"/> HDPE TUBING	<input type="checkbox"/> GEOPROBE SCREEN	<input type="checkbox"/> PUMP	<input type="checkbox"/> OTHER
<input type="checkbox"/> OTHER		<input type="checkbox"/> OTHER		<input type="checkbox"/> OTHER	<input type="checkbox"/> TEFLON BLADDER	<input type="checkbox"/> OTHER	<input type="checkbox"/> FILTERS NO. TYPE

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE

NOTES
Screening interval = 70' to 32' bp
PID = 0.2 ppm

SKETCH
see DP-28 depth interval 10' - 12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: 1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or ___ mL for this sample location.

Sampler Signature: *[Signature]* Print Name: **Branden Shaw**
Checked By: *[Signature]* Date: **12/22/10**

P:\Projects\Nysdec\10000\2010 Revised Figures\Figure 4-10 Geoprobe GW Grab.Pore Water.xlsx

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME	Gent Uniform
PROJECT NUMBER	3612092134-04.1
SAMPLE ID	130056 Gw02837X
SAMPLE TIME	1420

SAMPLE LOCATION	DP-28	DATE	12-14-10
START TIME	1410	END TIME	1420
SITE NAME/NUMBER	NYSDEC Site 130056	PAGE	1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5" (1.5")

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP) 5.9 FT FINAL DTW (BMP) — FT PROT. CASING STICKUP (AGS) NA FT TOC/TOR DIFFERENCE NA FT

SAMPLE DEPTH (BMP) 37 FT SCREEN LENGTH 2 FT PID AMBIENT AIR 0.1 PPM REFILL TIMER SETTING NA SEC

WATER COLUMN 31 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041) — GAL PID WELL MOUTH — PPM DISCHARGE TIMER SETTING NA SEC

CALCULATED GALVOL NA GAL TOTAL VOL. PURGED 1 GAL DRAWDOWN/ TOTAL PURGED NA PSI PRESSURE TO PUMP NA PSI

WELL INTEGRITY YES NO N/A
CAP — — X
CASING — — X
LOCKED — — X
COLLAR — — X

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1411										BEGIN PURGING
1419	5.9	300	10.28	0.071	6.09	0.57	71000	15.9	37	
1420										Collected gw Sample @ DP-28
1421										FINAL VALUES
			10	0.071	6.1	0.6	71000	16	(16)	

SAMPLE OBSERVATIONS: CLEAR COLORED LT Bwn CLOUDY TURBID ODOR OTHER (see notes)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP PERISTALTIC PS SUBMERSIBLE BLADDER WATERA OTHER

DECON FLUIDS USED LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER

TUBING/PUMP/BLADDER MATERIALS SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HOPE TUBING LDPE TUBING OTHER

EQUIPMENT USED WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER FILTERS NO. TYPE

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE

NOTES
Screening interval: 35' to 37' for
PID: 0.3 ppb

SKETCH
see DP-28 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER YES NO NUMBER OF GALLONS GENERATED 21

CONTAINERIZED YES NO

NO-PURGE METHOD YES NO

UTILIZED YES NO

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature]
Print Name: Brandon Shaw
Checked By: [Signature]
Date: 12/22/10

P:\Projects\Nysdec\11qapp\2010 Revised Figures\Figure 4-10 Geoprobe GW Grab,Pore Water.xlsx

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME	Gent Uniform
PROJECT NUMBER	3612092134-04.1
SAMPLE ID	130056 GW02842A
SAMPLE TIME	1430

SAMPLE LOCATION	DP-28	DATE	12-14-2010
START TIME	1420	END TIME	1430
SITE NAME/NUMBER	NYSDEC Site 130056	PAGE	1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP) 5.9 FT. FINAL DTW (BMP) _____ FT. PROT. CASING STICKUP (AGS) NA FT. TOC/TOR DIFFERENCE NA FT.

SAMPLE DEPTH (BMP) 42 FT. SCREEN LENGTH 2 FT. PID AMBIENT AIR 0.2 PPM REFILL TIMER SETTING NA SEC

WATER COLUMN 136 FT. DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041) _____ GAL. PID WELL MOUTH _____ PPM DISCHARGE TIMER SETTING NA SEC

CALCULATED GALVOL NA GAL. TOTAL VOL. PURGED ~1 GAL. DRAWDOWN/ TOTAL PURGED NA PSI. PRESSURE TO PUMP NA PSI.

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1421										BEGIN PURGING
1428	5.9	300	10-21	0.038	5.90	1.24	71000	49.6	42	
1430										collected for sample @ DP-28
1441										FINAL VALUES
			10	0.038	5.9	1.2	71.003	50		

SAMPLE OBSERVATIONS: CLEAR COLORED if 0.1 ml CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC MS SUBMERSIBLE BLADDER

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 558 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES

Screening interval: 40' to 42' bgs

PID = 0.2 ppm

SKETCH

see DP-28 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

Sampler Signature: [Signature] Print Name: _____

Checked By: [Signature] Date: 12/24/10

FIGURE 4-10
GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
PROJECT NUMBER: 3612092134-04.1
SAMPLE ID: 130056GW02847X SAMPLE TIME: 1440

SAMPLE LOCATION: DP-28 DATE: 12-14-2010
START TIME: 1430 END TIME: 1440
SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____
WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER 1.5"
TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____
MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface
WELL INTEGRITY: YES NO N/A
CAP CASING LOCKED COLLAR
DEPTH TO WATER (BMP): 5.9 FT. FINAL DTW (BMP): - FT. PROT. CASING STICKUP (AGS): NA FT. TOC/TOR DIFFERENCE: NA FT.
SAMPLE DEPTH (BMP): 47 FT. SCREEN LENGTH: 2 FT. PID AMBIENT AIR: 0.1 PPM. REFILL TIMER SETTING: NA SEC.
WATER COLUMN: ~46 FT. DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): - GAL. PID WELL MOUTH: - PPM. DISCHARGE TIMER SETTING: NA SEC.
CALCULATED GAL/VOL (column X well diameter squared X 0.041): NA GAL. TOTAL VOL. PURGED: ~1 GAL. DRAWDOWN/TOTAL PURGED: NA. PRESSURE TO PUMP: NA PSI.
(mL per minute X total minutes X 0.00026 gal/mL)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1430		BEGIN PURGING 300								
1437	5.9	432	11.32	0.037	5.81	1.09	71000	67.8	47	
1440										Collected gas sample @ DP-28
1445										FINAL VALVES
			11	0.037	5.8	1.1	21.053	68	48	

SAMPLE OBSERVATIONS: CLEAR COLORED 4 olive CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC DP SUBMERSIBLE BLADDER WATTERA OTHER _____

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE

NOTES
screening interval - 45' to 47' bgs
pid: 0.3 ppm

SKETCH
See dp-28 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw
Checked By: [Signature] Date: 12/20/10

FIGURE 4-10
GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 130056 GW 2852X SAMPLE TIME: 1450

SAMPLE LOCATION: DP-28 DATE: 12-14-2010
 START TIME: 1440 END TIME: 1500
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 5.9 FT FINAL DTW (BMP): - FT PROT. CASING STICKUP (AGS): NA FT

SAMPLE DEPTH (BMP): 52 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.2 PPM

WATER COLUMN: 46 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): - GAL PID WELL MOUTH: - PPM

CALCULATED GALVOL: NA GAL TOTAL VOL. PURGED: 1 GAL DRAWDOWN/ TOTAL PURGED: NA

WELL INTEGRITY: YES NO N/A
 CAP CASING LOCKED COLLAR

TOC/TOR DIFFERENCE: NA FT REFILL TIMER SETTING: NA SEC
 DISCHARGE TIMER SETTING: NA SEC PRESSURE TO PUMP: NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1441</u>		<u>BEGIN PURGING 300</u>								
<u>1449</u>	<u>5.9</u>	<u>H3</u>	<u>11.30</u>	<u>0.053</u>	<u>5.84</u>	<u>1.50</u>	<u>71000</u>	<u>-32.1</u>	<u>52</u>	
<u>1450</u>		<u>Collected gw</u>								<u>Sample @ DP-28</u>
<u>1451</u>		<u>FINAL VALVES</u>								
			<u>11</u>	<u>0.053</u>	<u>5.9</u>	<u>1.5</u>	<u>>1.0E3</u>	<u>-32</u>	<u>Ⓢ</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED olive CLOUDY TURBID silty ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC 241 SUBMERSIBLE BLADDER WATERA OTHER _____

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>		<u>SEE ABOVE</u>

NOTES

screening interval: 50' to 52' by 1'
PID: 0.3 DP-28

SKETCH

see DP-28 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: 1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

Sampler Signature: _____

Print Name: Brandon Shaw

Checked By: _____

Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME Gent Uniform	
PROJECT NUMBER 3612092134-04.1	
SAMPLE ID 130056GW02912K	SAMPLE TIME 1515

SAMPLE LOCATION DD-29	DATE 12-14-2010
START TIME 1500	END TIME 1515
SITE NAME/NUMBER NYSDEC Site 130056	PAGE 1 OF 1

SAMPLE TYPE	<input checked="" type="checkbox"/> GRAB	<input type="checkbox"/> WELL/PIEZOMETER	<input checked="" type="checkbox"/> GEOPROBE	<input type="checkbox"/> PORE WATER	<input type="checkbox"/> OUTFALL	<input type="checkbox"/> OTHER	WELL INTEGRITY				
WELL DIAMETER (INCHES)	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 4	<input type="checkbox"/> 6	<input type="checkbox"/> 8	<input checked="" type="checkbox"/> OTHER 1.5"	YES	NO	N/A		
TUBING ID (INCHES)	<input type="checkbox"/> 1/8	<input type="checkbox"/> 1/4	<input checked="" type="checkbox"/> 3/8	<input type="checkbox"/> 1/2	<input type="checkbox"/> 5/8	<input type="checkbox"/> OTHER	---	---	X		
MEASUREMENT POINT (MP)	<input type="checkbox"/> TOP OF RISER (TOR)		<input type="checkbox"/> TOP OF CASING (TOC)		<input checked="" type="checkbox"/> OTHER below ground surface						
DEPTH TO WATER (BMP)	5.5	FT	FINAL DTW (BMP)	-	FT	PROT. CASING STICKUP (AGS)	NA	FT	TOC/TOR DIFFERENCE	NA	FT
SAMPLE DEPTH (BMP)	12	FT	SCREEN LENGTH	2	FT	PID AMBIENT AIR	0.1	PPM	REFILL TIMER SETTING	NA	SEC
WATER COLUMN	~6	FT	DRAWDOWN VOLUME	-	GAL	PID WELL MOUTH	-	PPM	DISCHARGE TIMER SETTING	NA	SEC
CALCULATED GAL/VOL	NA	GAL	TOTAL VOL. PURGED	~0.15	GAL	DRAWDOWN/ TOTAL PURGED	NA		PRESSURE TO PUMP	NA	PSI

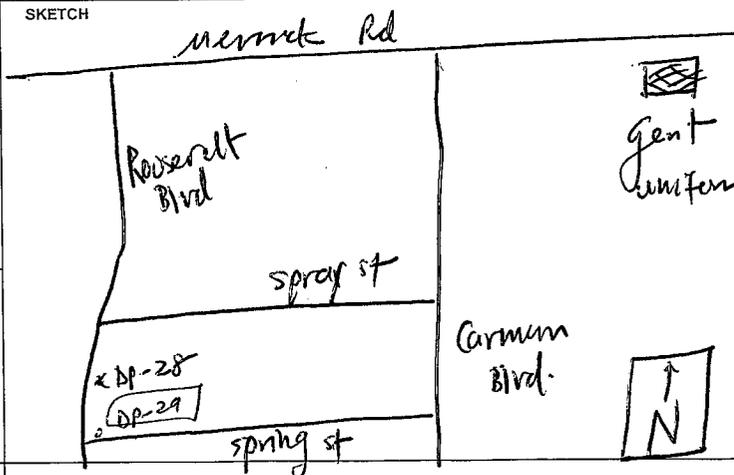
TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1503										BEGIN PURGING
1512	5.5	100	9.32	0.991	6.18	0.37	71000	-47.8	12	
1515	Collected for sample @ DD-29									
Final Values			9.	0.991	6.2	0.4	>1.0E3	-48	12	

SAMPLE OBSERVATIONS: CLEAR COLORED DEBRIS CLOUDY TURBID 50/14' ODOR OTHER (see notes)

EQUIPMENT DOCUMENTATION		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
<input checked="" type="checkbox"/> PERISTALTIC SUBMERSIBLE BLADDER	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> SILICON TUBING	<input type="checkbox"/> S. STEEL PUMP MATERIAL	<input checked="" type="checkbox"/> WATER LEVEL METER	<input type="checkbox"/> PVC PUMP MATERIAL	<input checked="" type="checkbox"/> PID	<input checked="" type="checkbox"/> MINI RAE
<input type="checkbox"/> WATTERA	<input type="checkbox"/> DEIONIZED WATER	<input type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN	<input type="checkbox"/> WQ METER YSI 556 (PINE)	<input checked="" type="checkbox"/> HDPE TUBING	<input checked="" type="checkbox"/> TURB. METER	<input checked="" type="checkbox"/> HACH 2100P (PINE)
<input type="checkbox"/> OTHER	<input type="checkbox"/> NITRIC ACID	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> OTHER	<input type="checkbox"/> PUMP	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> FILTERS NO. TYPE

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES
Screening interval = 10' to 12' gr
PID = 0.1 ppm



PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	NUMBER OF GALLONS GENERATED	0.15
NO-PURGE METHOD UTILIZED	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.	

Sampler Signature: *[Signature]*
Checked By: *[Signature]*
Print Name: **Brandon Shaw**
Date: 12/22/10

FIGURE 4-10
GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134-04.1

SAMPLE ID: 130056GW02917X SAMPLE TIME: 1525

SAMPLE LOCATION: DP-29 DATE: 12-14-2010

START TIME: 1515 END TIME: 1525

SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 5.5 FT FINAL DTW (BMP): - FT PROT. CASING STICKUP (AGS): NA FT

SAMPLE DEPTH (BMP): 17 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: - PPM

WATER COLUMN: ~11 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): - GAL

CALCULATED GALVOL: NA GAL TOTAL VOL. PURGED: ~1 GAL DRAWDOWN/ TOTAL PURGED: NA

WELL INTEGRITY: YES NO N/A

CAP: CASING: LOCKED: COLLAR:

TOC/TOR DIFFERENCE: NA FT

REFILL TIMER SETTING: NA SEC

DISCHARGE TIMER SETTING: NA SEC

PRESSURE TO PUMP: NA PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1517										BEGIN PURGING
1524	5.5	300	10.52	0.557	6.55	0.21	>1000	-77.2	17	
1525										Collected gw sample @ DP-29
										Final values
			11	0.557	6.6	0.2	>1.0E3	-77	17	

SAMPLE OBSERVATIONS: CLEAR COLORED DK OLIVE CLOUDY TURBID vs. Silty ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER WATTERA OTHER _____

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE

NOTES

screening interval: 15' to 17' bgr

PID = 0.1 ppm

SKETCH

see DP-29 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw

Checked By: [Signature] Date: 12/22/10

FIGURE 4-10
GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME Gent Uniform

PROJECT NUMBER 3612092134-04.1

SAMPLE ID 130056GW02927X SAMPLE TIME 1545

SAMPLE LOCATION DP-29 DATE 12-19-2010

START TIME 1535 END TIME 1545

SITE NAME/NUMBER NYSDEC Site 130056 PAGE 1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY

YES	NO	N/A
CAP	—	X
CASING	—	X
LOCKED	—	X
COLLAR	—	X

DEPTH TO WATER (BMP) 5.5 FT FINAL DTW (BMP) — FT PROT. CASING STICKUP (AGS) NA FT TOC/TOR DIFFERENCE NA FT

SAMPLE DEPTH (BMP) 27 FT SCREEN LENGTH 2 FT PID AMBIENT AIR 0.2 PPM REFILL TIMER SETTING NA SEC

WATER COLUMN -21 FT DRAWDOWN VOLUME GAL PID WELL MOUTH — PPM DISCHARGE TIMER SETTING NA SEC

CALCULATED GALVOL NA GAL TOTAL VOL. PURGED M GAL DRAWDOWN/ TOTAL PURGED NA PSI

(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1536</u>										BEGIN PURGING
<u>1543</u>	<u>5.5</u>	<u>300</u>	<u>11.70</u>	<u>0.142</u>	<u>6.45</u>	<u>0.43</u>	<u>7100</u>	<u>-46.9</u>	<u>27</u>	
<u>1545</u>										Collected gr sample @ DP-29
<u>1545</u>										FINAL VALVES
			<u>12</u>	<u>0.142</u>	<u>6.5</u>	<u>0.4</u>	<u>21.0E³</u>	<u>-47</u>	<u>27</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED Reddish Brown CLOUDY TURBID ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

<p>TYPE OF PUMP</p> <input checked="" type="checkbox"/> PERISTALTIC SUBMERSIBLE BLADDER <u>pas</u>	<p>DECON FLUIDS USED</p> <input checked="" type="checkbox"/> LIQUINOX <input checked="" type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER _____	<p>TUBING/PUMP/BLADDER MATERIALS</p> <input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input checked="" type="checkbox"/> HOPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER _____	<p>EQUIPMENT USED</p> <input checked="" type="checkbox"/> WATER LEVEL METER <input checked="" type="checkbox"/> PID <u>MINI RAE</u> <input checked="" type="checkbox"/> WQ METER <u>YSI 556 (PINE)</u> <input checked="" type="checkbox"/> TURB. METER <u>HACH 2100P (PINE)</u> <input type="checkbox"/> PUMP <input type="checkbox"/> OTHER _____ <input type="checkbox"/> FILTERS NO. _____ TYPE _____
--	--	--	--

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 ML</u>	<input checked="" type="checkbox"/>		<u>SEE ABOVE</u>

NOTES

Screening interval: 25' to 27' by

PID: 0.15 ppm

SKETCH

see DP-29 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO NUMBER OF GALLONS GENERATED 1

NO-PURGE METHOD UTILIZED YES NO If yes, purged approximately 1 standing volume prior to sampling or N/A mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw

Checked By: [Signature] Date: 12/20/10

FIGURE 4-10
GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 1300566W02932X SAMPLE TIME: 1555

SAMPLE LOCATION: DP-29 DATE: 12-14-2010
 START TIME: 1545 END TIME: 1555
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____
 WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER 1.5"
 TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY
 YES NO N/A
 CAP _____ _____ _____
 CASING _____ _____ _____
 LOCKED _____ _____ _____
 COLLAR _____ _____ _____

DEPTH TO WATER (BMP): 5.5 FT FINAL DTW (BMP): - FT PROT. CASING STICKUP (AGS): NA FT TOC/TOR DIFFERENCE: NA FT
 SAMPLE DEPTH (BMP): 32 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.0 PPM REFILL TIMER SETTING: NA SEC
 WATER COLUMN: 26 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): - GAL PID WELL MOUTH: - PPM DISCHARGE TIMER SETTING: NA SEC
 CALCULATED GAL/VOL (column X well diameter squared X 0.041): NA GAL TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL): 1 GAL DRAWDOWN/ TOTAL PURGED: NA PSI PRESSURE TO PUMP: NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1547										BEGIN PURGING
1554	5.5	300	11.37	0.045	6.32	0.86	71000	-15.7	32	
1555	Collected per sample @ DP-29									
	FINAL VALUES									
			11	0.045	6.3	0.9	>1.0E3	-16	32	Ⓢ

SAMPLE OBSERVATIONS: CLEAR COLORED Reddish Brown CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER BTT WATERA OTHER _____
 DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____
 TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HOPE TUBING LDPE TUBING OTHER _____
 EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES

Screening interval: 30 to 32' up
 PD: Oil PP=

SKETCH

see DP-29 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: 1
 NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature:

Print Name: Brandon Shaw

Checked By:

Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134-04.1

SAMPLE ID: 130056GN02437X SAMPLE TIME: 1605

SAMPLE LOCATION: DP-29 DATE: 12-14-2010

START TIME: 1555 END TIME: 1605

SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 0.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 5.5 FT FINAL DTW (BMP): - FT PROT. CASING STICKUP (AGS): NA FT

SAMPLE DEPTH (BMP): 37 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.1 PPM

WATER COLUMN: ~31 FT DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041): - GAL

CALCULATED GAL/VOL (column X well diameter squared X 0.041): NA GAL TOTAL VOL. PURGED: ~1 GAL PID WELL MOUTH: - PPM

DRAWDOWN/ TOTAL PURGED: NA

WELL INTEGRITY: YES NO N/A

CAP CASING LOCKED COLLAR

TOC/TOR DIFFERENCE: NA FT

REFILL TIMER SETTING: NA SEC

DISCHARGE TIMER SETTING: NA SEC

PRESSURE TO PUMP: NA PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1556</u>										<u>BEGIN PURGING</u>
<u>1503</u>	<u>5.5</u>	<u>300</u>	<u>11.71</u>	<u>0.047</u>	<u>6.10</u>	<u>0.98</u>	<u>71000</u>	<u>6.6</u>	<u>37</u>	
<u>1605</u>										<u>Collected groundwater sample @ DP-29</u>
<u>1605</u>										<u>FINAL VALUES</u>
			<u>11</u>	<u>0.047</u>	<u>6.1</u>	<u>1.0</u>	<u>>1.0E3</u>	<u>6.6</u>	<u>(18)</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED yellow CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER DP

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 ML</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>SEE ABOVE</u>

NOTES

Screening interval: 35' to 37' bgs

POD = 0.2 ppb

SKETCH

see DP-29 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO

NO-PURGE METHOD UTILIZED: YES NO

NUMBER OF GALLONS GENERATED: ~1

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature]

Print Name: Brandon Shaw

Checked By: [Signature]

Date: 12/22/10

P:\Projects\nysdec\apps\2010 Revised Figures\Figure 4-10 Geoprobe GW Grab,Pore Water.xlsx

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 170056GW07A42X SAMPLE TIME: 1615

SAMPLE LOCATION: DP-29 DATE: 12-14-2010
 START TIME: 1605 END TIME: 1615
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____
 WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"
 TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 5.5 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT WELL INTEGRITY: YES NO N/A
 SAMPLE DEPTH (BMP): 42 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: — PPM CAP: CASING: LOCKED: COLLAR:
 WATER COLUMN: ~3/6 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): — GAL PID WELL MOUTH: — PPM DISCHARGE TIMER SETTING: NA SEC
 CALCULATED GAL/VOL: NA GAL TOTAL VOL. PURGED: 1 GAL DRAWDOWN/ TOTAL PURGED: NA PRESSURE TO PUMP: NA PSI
(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1606</u>										BEGIN PURGING
<u>1612</u>	<u>5.5</u>	<u>300</u>	<u>10.41</u>	<u>0.043</u>	<u>5.93</u>	<u>0.80</u>	<u>71000</u>	<u>18.8</u>	<u>-42'</u>	
<u>1615</u>										Collected for sample DP-29
										Final values
			<u>10</u>	<u>0.043</u>	<u>5.9</u>	<u>0.8</u>	<u>>1.0E3</u>	<u>19</u>	<u>(18)</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED 4' drive CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: <input checked="" type="checkbox"/> PERISTALTIC SUBMERSIBLE BLADDER <u>DP</u> <input type="checkbox"/> WATERA <input type="checkbox"/> OTHER _____	DECON FLUIDS USED: <input checked="" type="checkbox"/> LIQUINOX <input checked="" type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER _____	TUBING/PUMP/BLADDER MATERIALS: <input type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input checked="" type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____	EQUIPMENT USED: <input checked="" type="checkbox"/> WATER LEVEL METER <input checked="" type="checkbox"/> PID MINI RAE <input checked="" type="checkbox"/> WQ METER YSI 556 (PINE) <input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE) <input type="checkbox"/> PUMP <input type="checkbox"/> OTHER _____ <input type="checkbox"/> FILTERS NO. _____ TYPE _____
---	---	--	--

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE

NOTES
Screening interval = 40' to 42' bgs
PID: 0.1 ppm

SKETCH
see DP-29 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling of _____ mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw
 Checked By: [Signature] Date: 12/24/10

FIGURE 4-10
 GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 130056GW02947X SAMPLE TIME: 1625

SAMPLE LOCATION: DP-29 DATE: 12-14-2010
 START TIME: 1615 END TIME: 1625
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER: _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

DEPTH TO WATER (BMP): 5.5 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT

SAMPLE DEPTH (BMP): 47 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.1 PPM

WATER COLUMN: -41 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): — GAL PID WELL MOUTH: — PPM

CALCULATED GAL/VOL (column X well diameter squared X 0.041): NA GAL TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL): -1 GAL DRAWDOWN/ TOTAL PURGED: NA

WELL INTEGRITY: YES NO N/A
 CAP CASING LOCKED COLLAR

TOC/TOR DIFFERENCE: NA FT REFILL TIMER SETTING: NA SEC DISCHARGE TIMER SETTING: NA SEC PRESSURE TO PUMP: NA PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1616</u>										<u>BEGIN PURGING</u>
<u>1623</u>	<u>5.5</u>	<u>300</u>	<u>12.12</u>	<u>0.073</u>	<u>6.31</u>	<u>0.32</u>	<u>71000</u>	<u>-51.3</u>	<u>47</u>	
<u>1625</u>										<u>Collected ga sample @ DP-29</u>
										<u>BASE FINAL VALUES</u>
			<u>12</u>	<u>0.073</u>	<u>6.3</u>	<u>0.3</u>	<u>>1.0E3</u>	<u>-51</u>	<u>47</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED olive CLOUDY TURBID ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER DP DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>SEE ABOVE</u>

NOTES
Screening interval: 45' to 47' by
PID: 0.3 ppb

SKETCH
see DP-29 depth interval 10' - 12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: 41

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw
 Checked By: [Signature] Date: 12/24/10

P:\Projects\NYSDEC\1\app\2010 Revised Figures\Figure 4-10 Geoprobe GW Grab,Pore Water.xls

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 130056GN02952X SAMPLE TIME: 1635

SAMPLE LOCATION: DP-29 DATE: 12-14-2010
 START TIME: 1625 END TIME: 1655
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____
 WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"
 TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

WELL INTEGRITY
 YES NO N/A
 CAP _____
 CASING _____
 LOCKED _____
 COLLAR _____

DEPTH TO WATER (BMP): 5.5 FT FINAL DTW (BMP): _____ FT PROT. CASING STICKUP (AGS): NA FT
 SAMPLE DEPTH (BMP): 52 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.1 PPM
 WATER COLUMN: 46 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): _____ GAL
 CALCULATED GALVOL: NA GAL TOTAL VOL. PURGED: 1 GAL DRAWDOWN/TOTAL PURGED: NA PSI
(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

TOC/TOR DIFFERENCE: NA FT
 REFILL TIMER SETTING: NA SEC
 DISCHARGE TIMER SETTING: NA SEC
 PRESSURE TO PUMP: NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1626</u>										BEGIN PURGING
<u>1634</u>	<u>5.5</u>	<u>300</u>	<u>11.24</u>	<u>0.068</u>	<u>6.38</u>	<u>0.21</u>	<u>71000</u>	<u>-91.1</u>	<u>52</u>	
<u>1635</u>										Collected for sample @ DP-29
<u>1635</u>										FINAL VALUES
			<u>11</u>	<u>0.068</u>	<u>6.4</u>	<u>0.2</u>	<u>71.0E3</u>	<u>-91</u>		

SAMPLE OBSERVATIONS: CLEAR _____ COLORED _____ CLOUDY _____ TURBID _____ ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER DT5
 WATER/A: OTHER _____
 DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____
 TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____
 EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES

Screening interval: 50' to 52' bgs
 PID = 0.7 p.p.m.

SKETCH

see DP-29 depth interval 10'-to-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: 41
 NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature]

Print Name: Brandon Shaw

Checked By: [Signature]

Date: 12/20/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME Gent Uniform	
PROJECT NUMBER 3612092134-04.1	
SAMPLE ID 130056GW03012X	SAMPLE TIME 1245

SAMPLE LOCATION DP-30	DATE 12-16-2010
START TIME 1235	END TIME 1245
SITE NAME/NUMBER NYSDEC Site 130056	PAGE 1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP) 5.9 FT FINAL DTW (BMP) — FT PROT. CASING STICKUP (AGS) NA FT

SAMPLE DEPTH (BMP) 12 FT SCREEN LENGTH 2 FT PID AMBIENT AIR 0.0 PPM REFILL TIMER SETTING NA SEC

WATER COLUMN 1.6 FT DRAWDOWN VOLUME — GAL PID WELL MOUTH — PPM DISCHARGE TIMER SETTING NA SEC

CALCULATED GALVOL NA GAL TOTAL VOL. PURGED — GAL DRAWDOWN/ TOTAL PURGED NA PSI

WELL INTEGRITY

YES	NO	N/A
CAP	—	X
CASING	—	X
LOCKED	—	X
COLLAR	—	X

TOC/TOR DIFFERENCE NA FT

DISCHARGE TIMER SETTING NA SEC

PRESSURE TO PUMP NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1235										BEGIN PURGING
1244	5.9	200	8.11	0.598	6.05	1.22	71000	-28.4	12	
1245										Collected gw sample @ DP-30
Final Values										
			8	0.598	6.1	1.2	71.0E3	-28	(12)	

SAMPLE OBSERVATIONS: CLEAR COLORED OK Brown CLOUDY TURBID ODOR OTHER (see notes) like sediment

EQUIPMENT DOCUMENTATION

TYPE OF PUMP		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
<input checked="" type="checkbox"/> PERISTALTIC	<input type="checkbox"/> SUBMERSIBLE	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> DEIONIZED WATER	<input checked="" type="checkbox"/> SILICON TUBING	<input type="checkbox"/> S. STEEL PUMP MATERIAL	<input checked="" type="checkbox"/> WATER LEVEL METER	<input type="checkbox"/> PID
<input type="checkbox"/> BLADDER	<input type="checkbox"/> WATERERA	<input type="checkbox"/> NITRIC ACID	<input type="checkbox"/> HEXANE	<input checked="" type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> PVC PUMP MATERIAL	<input checked="" type="checkbox"/> MINI RAE	<input checked="" type="checkbox"/> WQ METER YSI 556 (PINE)
<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> METHANOL	<input type="checkbox"/> OTHER	<input type="checkbox"/> HDPE TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN	<input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE)	<input type="checkbox"/> PUMP
<input type="checkbox"/> OTHER				<input type="checkbox"/> OTHER	<input type="checkbox"/> TEFLON BLADDER	<input type="checkbox"/> OTHER	<input type="checkbox"/> FILTERS NO. TYPE

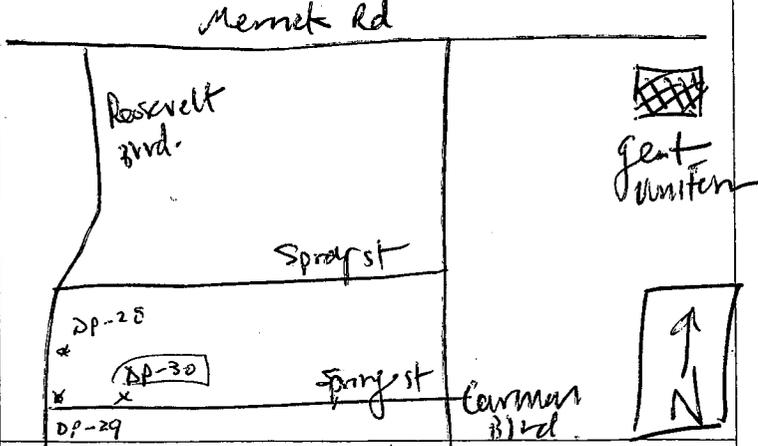
ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES

Screening interval: 10' to 12' bgs
PID: 0.6 ppm

SKETCH



PURGE OBSERVATIONS

PURGE WATER YES NO NUMBER OF GALLONS GENERATED 1

CONTAINERIZED NO

NO-PURGE METHOD YES NO

UTILIZED NO

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

Print Name: Broaden Shaw

Checked By: *[Signature]*

Date: 12/24/10

sketch not drawn to scale

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME	Gent Uniform
PROJECT NUMBER	3612092134-04.1
SAMPLE ID	130056GW03017X
SAMPLE TIME	1255

SAMPLE LOCATION	DP-30	DATE	12-16-2010
START TIME	1245	END TIME	1255
SITE NAME/NUMBER	NYSDEC Site 130056	PAGE	1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY

YES	NO	N/A
CAP	_____	X
CASING	_____	X
LOCKED	_____	X
COLLAR	_____	X

DEPTH TO WATER (BMP)	5.9 FT	FINAL DTW (BMP)	— FT	PROT. CASING STICKUP (AGS)	NA FT	TOC/TOR DIFFERENCE	NA FT
SAMPLE DEPTH (BMP)	17 FT	SCREEN LENGTH	2 FT	PID AMBIENT AIR	PPM	REFILL TIMER SETTING	NA SEC
WATER COLUMN	11 FT	DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041)	— GAL	PID WELL MOUTH	— PPM	DISCHARGE TIMER SETTING	NA SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	NA GAL	TOTAL VOL. PURGED (ml. per minute X total minutes X 0.00026 gal/mL)	10.5 GAL	DRAWDOWN/ TOTAL PURGED	NA	PRESSURE TO PUMP	NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1246										BEGIN PURGING
1254	5.9	~200	7.25	0.323	6.24	3.87	71000	-35.7	17	
1255										Collected gw sample @ DP-30
										FINAL VALUES
			7	0.323	6.3	3.9	>1.000	-36	(16)	

SAMPLE OBSERVATIONS: CLEAR COLORED CLOUDY TURBID ODOR OTHER (see notes) much sand

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC	<input checked="" type="checkbox"/> LIQUINOX	<input type="checkbox"/> SILICON TUBING	<input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL
<input type="checkbox"/> SUBMERSIBLE	<input checked="" type="checkbox"/> DEIONIZED WATER	<input type="checkbox"/> TEFLON TUBING	<input checked="" type="checkbox"/> PVC PUMP MATERIAL
<input type="checkbox"/> BLADDER	<input type="checkbox"/> POTABLE WATER	<input type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN
<input type="checkbox"/> WATTERA	<input type="checkbox"/> NITRIC ACID	<input checked="" type="checkbox"/> HDPE TUBING	<input checked="" type="checkbox"/> TEFLON BLADDER
<input type="checkbox"/> OTHER	<input type="checkbox"/> HEXANE	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> OTHER
<input type="checkbox"/> OTHER	<input type="checkbox"/> METHANOL	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER
	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SEE ABOVE

NOTES

Screening interval: 15' to 17' ft
 PID: 0.2 ppm
 Collected w/ 1/2" here @ 1.5"

SKETCH

see DP-30 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO NUMBER OF GALLONS GENERATED 10.5

NO-PURGE METHOD UTILIZED YES NO If yes, purged approximately 1 standing volume prior to sampling or _____ ml. for this sample location.

Sampler Signature: *[Signature]*

Print Name: Brandon Sherr

Checked By: *[Signature]*

Date: 12/20/10

FIGURE 4-10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134-04.1

SAMPLE ID: 130056GW03022X SAMPLE TIME: 1305

SAMPLE LOCATION: DP-30 DATE: 12-16-2010

START TIME: 1255 END TIME: 1305

SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP): 5.9 FT. FINAL DTW (BMP): — FT. PROT. CASING STICKUP (AGS): NA FT. TOC/TOR DIFFERENCE: NA FT.

SAMPLE DEPTH (BMP): 22 FT. SCREEN LENGTH: 2 FT. PID AMBIENT AIR: 0.6 PPM. REFILL TIMER SETTING: NA SEC.

WATER COLUMN: -16 FT. DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041): — GAL. PID WELL MOUTH: — PPM. DISCHARGE TIMER SETTING: NA SEC.

CALCULATED GAL/VOL: NA GAL. TOTAL VOL. PURGED: -1 GAL. DRAWDOWN/ TOTAL PURGED: NA. PRESSURE TO PUMP: NA PSI.

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1256										BEGIN PURGING
1304	5.9	350	12.02	0.132	6.10	1.18	71000	4.2	22	
1305										Collected gw sample @ DP-30
										Final Values
			12	0.132	6.1	1.2	>1.0E ⁵	4.2	(18)	

SAMPLE OBSERVATIONS: CLEAR COLORED light brown CLOUDY TURBID ODOR OTHER (see notes) Little sand

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER WATERA OTHER

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER

EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER FILTERS NO. — TYPE —

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE

NOTES

Screening interval: 20' to 22'

PID: 0.2 ppm

SKETCH

See DP-30 depth interval 10-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: 11

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw

Checked By: [Signature] Date: 12/22/10

FIGURE 4-10
GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME	Gent Uniform
PROJECT NUMBER	3612092134-04.1
SAMPLE ID	1300566W07027X
SAMPLE TIME	1315

SAMPLE LOCATION	DP-30	DATE	12-16-2010
START TIME	1305	END TIME	1315
SITE NAME/NUMBER	NYSDEC Site 130056	PAGE	1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY

	YES	NO	N/A
CAP	—	—	X
CASING	—	—	X
LOCKED	—	—	X
COLLAR	—	—	X

DEPTH TO WATER (BMP)	5.4 FT	FINAL DTW (BMP)	— FT	PROT. CASING STICKUP (AGS)	NA FT	TOC/TOR DIFFERENCE	NA FT
SAMPLE DEPTH (BMP)	~27 FT	SCREEN LENGTH	2 FT	PID AMBIENT AIR	0.1 PPM	REFILL TIMER SETTING	NA SEC
WATER COLUMN	~21 FT	DRAWDOWN VOLUME (Initial DTW- final DTW X well diam. squared X 0.041)	— GAL	PID WELL MOUTH	— PPM	DISCHARGE TIMER SETTING	NA SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	NA GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	~1 GAL	DRAWDOWN/ TOTAL PURGED	NA	PRESSURE TO PUMP	NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1306										BEGIN PURGING
1314	5.4	250	13.56	0.069	5.84	0.60	71000	30.8	27	
1315										Collected gw sample @ DP-30
BAF FINAL VALUES										
			14	0.069	5.8	0.6	71000	31	(12)	

SAMPLE OBSERVATIONS: CLEAR COLORED BROWN CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> SILICON TUBING	<input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL
<input type="checkbox"/> SUBMERSIBLE	<input checked="" type="checkbox"/> DEIONIZED WATER	<input type="checkbox"/> TEFLON TUBING	<input type="checkbox"/> PVC PUMP MATERIAL
<input type="checkbox"/> BLADDER	<input type="checkbox"/> POTABLE WATER	<input type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN
<input type="checkbox"/> WATTERA	<input type="checkbox"/> NITRIC ACID	<input checked="" type="checkbox"/> HDPE TUBING	<input checked="" type="checkbox"/> TEFLON BLADDER
<input type="checkbox"/> OTHER _____	<input type="checkbox"/> HEXANE	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> OTHER _____
<input type="checkbox"/> OTHER _____	<input type="checkbox"/> METHANOL	<input type="checkbox"/> OTHER _____	<input type="checkbox"/> OTHER _____
	<input type="checkbox"/> OTHER _____	<input type="checkbox"/> OTHER _____	<input type="checkbox"/> OTHER _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE

NOTES

Screening interval: 25' to 27' ft
 PID: 0.2 ppm

SKETCH

see dp-30 depth interval 10' - 12'

PURGE OBSERVATIONS

PURGE WATER YES NO NUMBER OF GALLONS GENERATED 2.1

CONTAINERIZED YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature:

Print Name: Brandon Shaw

Checked By:

Date: 12/21/10

FIGURE 4-10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME Gent Uniform

PROJECT NUMBER 3612092134-04.1

SAMPLE ID 130056GW03032X SAMPLE TIME 1325

SAMPLE LOCATION DP-30 DATE 12-16-2010

START TIME 1315 END TIME 1325

SITE NAME/NUMBER NYSDEC Site 130056 PAGE 1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY

YES	NO	N/A
CAP	_____	X
CASING	_____	X
LOCKED	_____	X
COLLAR	_____	X

DEPTH TO WATER (BMP)	<u>5.9</u> FT	FINAL DTW (BMP)	<u>—</u> FT	PROT. CASING STICKUP (AGS)	<u>NA</u> FT	TOC/TOR DIFFERENCE	<u>NA</u> FT
SAMPLE DEPTH (BMP)	<u>32</u> FT	SCREEN LENGTH	<u>2</u> FT	PID AMBIENT AIR	<u>0.1</u> PPM	REFILL TIMER SETTING	<u>NA</u> SEC
WATER COLUMN	<u>-26</u> FT	DRAWDOWN VOLUME (Initial DTW- final DTW X well diam. squared X 0.041)	<u>—</u> GAL	PID WELL MOUTH	<u>—</u> PPM	DISCHARGE TIMER SETTING	<u>NA</u> SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	<u>NA</u> GAL	TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL)	<u>~1</u> GAL	DRAWDOWN/ TOTAL PURGED	<u>NA</u>	PRESSURE TO PUMP	<u>NA</u> PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1316</u>										<u>BEGIN PURGING</u>
<u>1324</u>	<u>5.9</u>	<u>351</u>	<u>13.26</u>	<u>0.049</u>	<u>5.78</u>	<u>0.94</u>	<u>71600</u>	<u>47.0</u>	<u>32</u>	
<u>1325</u>										<u>Collected gw sample @ DP-30</u>
										<u>Final Values</u>
			<u>.13</u>	<u>0.049</u>	<u>5.8</u>	<u>0.9</u>	<u>71.063</u>	<u>47</u>	<u>(16)</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED Lt Brown CLOUDY TURBID _____ ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> SILICON TUBING	<input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL
<input type="checkbox"/> SUBMERSIBLE	<input checked="" type="checkbox"/> DEIONIZED WATER	<input type="checkbox"/> TEFLON TUBING	<input type="checkbox"/> PVC PUMP MATERIAL
<input type="checkbox"/> BLADDER	<input type="checkbox"/> POTABLE WATER	<input type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN
<input type="checkbox"/> WATTERA	<input type="checkbox"/> NITRIC ACID	<input checked="" type="checkbox"/> HDPE TUBING	<input checked="" type="checkbox"/> TEFLON BLADDER
<input type="checkbox"/> OTHER _____	<input type="checkbox"/> HEXANE	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> OTHER _____
<input type="checkbox"/> OTHER _____	<input type="checkbox"/> METHANOL	<input type="checkbox"/> OTHER _____	<input type="checkbox"/> OTHER _____
	<input type="checkbox"/> OTHER _____		<input type="checkbox"/> OTHER _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>		<u>SEE ABOVE</u>

NOTES

Screening interval: 30' to 32' @ 351
PID: 012 ppm

SKETCH

See dp-30 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO NUMBER OF GALLONS GENERATED ~1

NO-PURGE METHOD UTILIZED YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Brandon Shaw
 Print Name:

Date: 12/21/10

Checked By: [Signature]

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME	Gent Uniform
PROJECT NUMBER	3612092134-04.1
SAMPLE ID	130056GW03037X
SAMPLE TIME	1335

SAMPLE LOCATION	DP-30	DATE	12-16-2010
START TIME	1325	END TIME	1335
SITE NAME/NUMBER	NYSDEC Site 130056	PAGE	1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY

YES	NO	N/A
CAP	---	X
CASING	---	X
LOCKED	---	X
COLLAR	---	X

DEPTH TO WATER (BMP)	5.9 FT	FINAL DTW (BMP)	---	PROT. CASING STICKUP (AGS)	NA FT	TOC/TOR DIFFERENCE	NA FT
SAMPLE DEPTH (BMP)	37 FT	SCREEN LENGTH	2 FT	PID AMBIENT AIR	0.1 PPM	REFILL TIMER SETTING	NA SEC
WATER COLUMN	-31 FT	DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041)	---	PID WELL MOUTH	---	DISCHARGE TIMER SETTING	NA SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041)	NA GAL	TOTAL VOL. PURGED	2.7 GAL	DRAWDOWN/ TOTAL PURGED	NA	PRESSURE TO PUMP	NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1326										BEGIN PURGING
1334	5.9	350	6.23	0.090	5.77	0.78	71600	-16.1	37	
1335										Collected gw sample @ DP-30
										BAF FINAL VALUES
			6	0.090	5.8	0.8	21.000	-11	(16)	

SAMPLE OBSERVATIONS: CLEAR COLORED Yellow Brown CLOUDY TURBID V. SILTY ODOR OTHER (see notes) Sheen

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC SUBMERSIBLE BLADDER	<input checked="" type="checkbox"/> LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER	<input checked="" type="checkbox"/> SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER OTHER	<input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL PVC PUMP MATERIAL GEOPROBE SCREEN TEFLON BLADDER OTHER OTHER OTHER	<input checked="" type="checkbox"/> WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER FILTERS NO. TYPE
---	--	--	---	--

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES

Screening interval: 35' to 37' bgs
PID: 1.6 ppm

SKETCH

see dp-30 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO NUMBER OF GALLONS GENERATED 0.1

NO-PURGE METHOD UTILIZED YES NO If yes, purged approximately 1 standing volume prior to sampling or NA ml. for this sample location.

Collector Signature:

Print Name: Brandon Shaw

Checked By:

Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME Gent Uniform
 PROJECT NUMBER 3612092134-04.1
 SAMPLE ID 130056GW03042X SAMPLE TIME 1345

SAMPLE LOCATION DP-30 DATE 12-16-2010
 START TIME 1335 END TIME 1345
 SITE NAME/NUMBER NYSDEC Site 130056 PAGE 1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____
 WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"
 TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface
 DEPTH TO WATER (BMP) 5.9 FT FINAL DTW (BMP) — FT PROT. CASING STICKUP (AGS) NA FT
 SAMPLE DEPTH (BMP) 42 FT SCREEN LENGTH 2 FT PID AMBIENT AIR 0.1 PPM
 WATER COLUMN ~36 FT DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041) — GAL
 CALCULATED GAL/VOL NA GAL TOTAL VOL. PURGED ~1 GAL DRAWDOWN/ TOTAL PURGED NA
(column X well diameter squared X 0.041) (ml. per minute X total minutes X 0.00026 gal/mL)

WELL INTEGRITY
 YES NO N/A
 CAP _____ X
 CASING _____ X
 LOCKED _____ X
 COLLAR _____ X
 TOC/TOR DIFFERENCE NA FT
 REFILL TIMER SETTING NA SEC
 DISCHARGE TIMER SETTING NA SEC
 PRESSURE TO PUMP NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1336										BEGIN PURGING
1345	5.9	350	11.79	0.052	5.99	0.50	7.000	9.8	42	
1345										Collected gw sample @ DP-30
										BASE FINAL VALUES
			12	0.052	6.0	0.5	71.0E ⁰	9.8	(12)	

SAMPLE OBSERVATIONS: CLEAR COLORED 401.0 CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER
 WATTERA _____ OTHER _____
 DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____
 TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____
 EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE

NOTES

Screening interval: 40' to 42' sp
 PID: 0.3 ppm

SKETCH

Very sandy interval.
 See DP-30 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NO-PURGE METHOD UTILIZED: YES NO
 NUMBER OF GALLONS GENERATED: 1
 If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature]

Print Name: Brandon Shaw

Checked By: [Signature]

Date: 12/24/10

P:\Projects\nysdec1\app\2010 Revised Figures\Figure 4-10 Geoprobe GW Grab,Pore Water.xlsx

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME	Gent Uniform
PROJECT NUMBER	3612092134-04.1
SAMPLE ID	130056GW03047X
SAMPLE TIME	1355

SAMPLE LOCATION	DP-30	DATE	12-16-2010
START TIME	1345	END TIME	1355
SITE NAME/NUMBER	NYSDEC Site 130056	PAGE	1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY

YES	NO	N/A
CAP	---	X
CASING	---	X
LOCKED	---	X
COLLAR	---	X

DEPTH TO WATER (BMP) 5.9 FT

SAMPLE DEPTH (BMP) 47 FT

WATER COLUMN -41 FT

CALCULATED GAL/VOL NA GAL

FINAL DTW (BMP) - FT

SCREEN LENGTH 2 FT

DRAWDOWN VOLUME - GAL

TOTAL VOL. PURGED 2.1 GAL

PROT. CASING STICKUP (AGS) NA FT

PID AMBIENT AIR 0.0 PPM

PID WELL MOUTH - PPM

DRAWDOWN/ TOTAL PURGED NA

TOC/TOR DIFFERENCE NA FT

REFILL TIMER SETTING NA SEC

DISCHARGE TIMER SETTING NA SEC

PRESSURE TO PUMP NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1346										BEGIN PURGING
1354	5.9	350	11.59	0.044	5.90	1.40	71000	28.7	47	
1355										Collected gw sample @ dp-30
										Final Values
			12	0.044	5.9	1.4	>1.0E3	29	(LB)	

SAMPLE OBSERVATIONS: CLEAR COLORED Lt Olive CLOUDY TURBID ODOR OTHER (see notes) 1.1#u sand

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> SILICON TUBING	<input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL
<input type="checkbox"/> SUBMERSIBLE	<input checked="" type="checkbox"/> DEIONIZED WATER	<input type="checkbox"/> TEFLON TUBING	<input type="checkbox"/> PVC PUMP MATERIAL
<input type="checkbox"/> BLADDER	<input type="checkbox"/> POTABLE WATER	<input type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN
<input type="checkbox"/> WATERA	<input type="checkbox"/> NITRIC ACID	<input type="checkbox"/> HDPE TUBING	<input type="checkbox"/> TEFLON BLADDER
<input type="checkbox"/> OTHER	<input type="checkbox"/> HEXANE	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> OTHER
<input type="checkbox"/> OTHER	<input type="checkbox"/> METHANOL	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER

EQUIPMENT USED

<input checked="" type="checkbox"/> WATER LEVEL METER
<input checked="" type="checkbox"/> PID MINI RAE
<input checked="" type="checkbox"/> WQ METER YSI 556 (PINE)
<input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE)
<input type="checkbox"/> PUMP
<input type="checkbox"/> OTHER
<input type="checkbox"/> FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE

NOTES

Screening interval: 45' to 47' bgs
 PID: 0.2 ppm

SKETCH

see dp-30 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO

NO-PURGE METHOD UTILIZED YES NO

NUMBER OF GALLONS GENERATED 2.1

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: *[Signature]*

Print Name: Brandon Shaw

Checked By: *[Signature]*

Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME	Gent Uniform
PROJECT NUMBER	3612092134-04.1
SAMPLE ID	130056GW03052X
SAMPLE TIME	1405

SAMPLE LOCATION	DP-30	DATE	12-16-2010
START TIME	1355	END TIME	1405
SITE NAME/NUMBER	NYSDEC Site 130056	PAGE	1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY

YES	NO	N/A
CAP	---	X
CASING	---	X
LOCKED	---	X
COLLAR	---	X

DEPTH TO WATER (BMP) 5.9 FT

SAMPLE DEPTH (BMP) 52 FT

WATER COLUMN 46 FT

CALCULATED GAL/VOL NA GAL
(column X well diameter squared X 0.041)

FINAL DTW (BMP) - FT

SCREEN LENGTH 2 FT

DRAWDOWN VOLUME - GAL
(initial DTW - final DTW X well diam. squared X 0.041)

TOTAL VOL. PURGED 1 GAL
(mL per minute X total minutes X 0.00026 gal/mL)

PROT. CASING STICKUP (AGS) NA FT

PID AMBIENT AIR 0.1 PPM

PID WELL MOUTH - PPM

DRAWDOWN/ TOTAL PURGED NA

TOCTOR DIFFERENCE NA FT

REFILL TIMER SETTING NA SEC

DISCHARGE TIMER SETTING NA SEC

PRESSURE TO PUMP NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1356										BEGIN PURGING
1404	5.9	350	11.37	0.047	5.75	6.73	71000	36.1	52	
1405										Collected gw sample @ DP-30
										BAF FINAL VALUES
			11	0.047	5.8	0.7	71.023	36	52	

SAMPLE OBSERVATIONS: CLEAR COLORED CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> SILICON TUBING	<input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL
<input type="checkbox"/> SUBMERSIBLE	<input checked="" type="checkbox"/> DEIONIZED WATER	<input type="checkbox"/> TEFLON TUBING	<input type="checkbox"/> PVC PUMP MATERIAL
<input type="checkbox"/> BLADDER	<input type="checkbox"/> POTABLE WATER	<input type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN
<input type="checkbox"/> WATERA	<input type="checkbox"/> NITRIC ACID	<input checked="" type="checkbox"/> HDPE TUBING	<input type="checkbox"/> TEFLON BLADDER
<input type="checkbox"/> OTHER	<input type="checkbox"/> HEXANE	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> OTHER
<input type="checkbox"/> OTHER	<input type="checkbox"/> METHANOL	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 MI	<input checked="" type="checkbox"/>		SEE ABOVE

NOTES

Screening interval: 50' to 52' bgs

PID: 0.2 ppm

SKETCH

see dp-30 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO

NUMBER OF GALLONS GENERATED ~1

NO-PURGE METHOD UTILIZED YES NO

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature:

Print Name: Brandon Shaw

Checked By:

Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
PROJECT NUMBER: 3612092134-04.1
SAMPLE ID: 130056GW03112X SAMPLE TIME: 1040

SAMPLE LOCATION: DP-31 DATE: 12-16-2010
START TIME: 1025 END TIME: 1640
SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____
WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER 1.5"
TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____
MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY
YES NO N/A
CAP _____ X
CASING _____ X
LOCKED _____ X
COLLAR _____ X

DEPTH TO WATER (BMP): 6.5 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT TOC/TOR DIFFERENCE: NA FT
SAMPLE DEPTH (BMP): 12 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 20.1 PPM REFILL TIMER SETTING: NA SEC
WATER COLUMN: 2.5 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): — GAL PID WELL MOUTH: — PPM DISCHARGE TIMER SETTING: NA SEC
CALCULATED GALVOL (column X well diameter squared X 0.041): NA GAL TOTAL VOL. PURGED: ~6.5 GAL DRAWDOWN/TOTAL PURGED: NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1027</u>										BEGIN PURGING
<u>1138</u>	<u>6.5</u>	<u>~50</u>	<u>9.78</u>	<u>0.542</u>	<u>6.28</u>	<u>6.48</u>	<u>7.324</u>	<u>-35.5</u>	<u>12</u>	
<u>1040</u>										Collected gw sample @ DP-31
<u>1040</u>										Final values
			<u>10</u>	<u>0.542</u>	<u>6.3</u>	<u>6.5</u>	<u>8.2E2</u>	<u>-36</u>	<u>(CR)</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER WATTERA OTHER _____
DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____
TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____
S. STEEL PUMP MATERIAL PVC PUMP MATERIAL GEOPROBE SCREEN TEFLON BLADDER OTHER _____
EQUIPMENT USED: WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ FILTERS NO. _____ TYPE _____

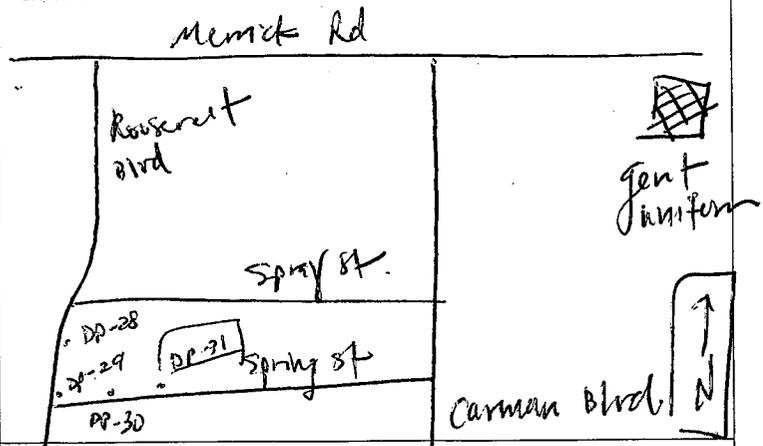
ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>SEE ABOVE</u>

NOTES

Screening interval: 10' to 12' bgs
PID: 0.1 ppm
collected for MS/MSD here also

SKETCH



PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
NO-PURGE METHOD UTILIZED: YES NO
NUMBER OF GALLONS GENERATED: ~0.5
If yes, purged approximately 1 standing volume prior to sampling or 100 mL for this sample location.

Sampler Signature: [Signature]

Print Name: Brandon Shaw

Checked By: [Signature]

Date: 12/24/10

FIGURE 4-10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134-04.1

SAMPLE ID: 130056GW03117X SAMPLE TIME: 1055

SAMPLE LOCATION: DP-31 DATE: 12-16-2010

START TIME: 1045 END TIME: 1055

SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER: 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER: below ground surface

WELL INTEGRITY

YES	NO	N/A
___	___	X

DEPTH TO WATER (BMP): 6.5 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT TOC/TOR DIFFERENCE: NA FT

SAMPLE DEPTH (BMP): 17 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 20.1 PPM REFILL TIMER SETTING: NA SEC

WATER COLUMN: ~10 FT DRAWDOWN VOLUME: — GAL PID WELL MOUTH: — PPM DISCHARGE TIMER SETTING: NA SEC

CALCULATED GAL/VOL: NA GAL TOTAL VOL. PURGED: ~6.5 GAL DRAWDOWN/TOTAL PURGED: NA PRESSURE TO PUMP: NA PSI

(column X well diameter squared X 0.041) (Initial DTW - final DTW X well diam. squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1047</u>										<u>BEGIN PURGING</u>
<u>1054</u>	<u>6.5</u>	<u>-100</u>	<u>11.4</u>	<u>0.221</u>	<u>6.22</u>	<u>2.01</u>	<u>822</u>	<u>-6.9</u>	<u>17</u>	
<u>1055</u>										<u>Collected gw sample @ DP-31</u>
										<u>Final values</u>
			<u>11.</u>	<u>0.221</u>	<u>6.2</u>	<u>2.0</u>	<u>826</u>	<u>-6.9</u>	<u>(18)</u>	

SAMPLE OBSERVATIONS: CLEAR _____ COLORED lt brown CLOUDY TURBID _____ ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS	EQUIPMENT USED
<input checked="" type="checkbox"/> PERISTALTIC <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> BLADDER <input type="checkbox"/> WATERA <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____	<input checked="" type="checkbox"/> LIQUINOX <input checked="" type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER _____	<input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input checked="" type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____	<input checked="" type="checkbox"/> WATER LEVEL METER <input checked="" type="checkbox"/> PID <input checked="" type="checkbox"/> WQ METER <u>YSI 556 (PINE)</u> <input checked="" type="checkbox"/> TURB. METER <u>HACH 2100P (PINE)</u> <input type="checkbox"/> PUMP <input type="checkbox"/> OTHER _____ <input type="checkbox"/> FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 ML</u>	<input checked="" type="checkbox"/>		<u>SEE ABOVE</u>

NOTES

Screening interval: 15' to 17'

PID: 0.1 ppm

SKETCH

see DP-31 depth interval 10' - 12'

PURGE OBSERVATIONS

PURGE WATER: YES NO NUMBER OF GALLONS GENERATED: ~0.5

CONTAINERIZED: YES NO-PURGE METHOD UTILIZED: YES NO

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Bronson Shaw

Checked By: [Signature] Date: 12/24/10

FIGURE 4-10
GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME Gent Uniform
 PROJECT NUMBER 3612092134-04.1
 SAMPLE ID 1300566W03122X SAMPLE TIME 1105

SAMPLE LOCATION DP-31 DATE 12-16-2010
 START TIME 1055 END TIME 1105
 SITE NAME/NUMBER NYSDEC Site 130056 PAGE 1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____
 WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"
 TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY
 YES NO N/A
 CAP _____ X
 CASING _____ X
 LOCKED _____ X
 COLLAR _____ X

DEPTH TO WATER (BMP) 6.5 FT FINAL DTW (BMP) — FT PROT. CASING STICKUP (AGS) NA FT TOR/TOR DIFFERENCE NA FT
 SAMPLE DEPTH (BMP) 22 FT SCREEN LENGTH 2 FT PID AMBIENT AIR 0.1 PPM REFILL TIMER SETTING NA SEC
 WATER COLUMN ~15 FT DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041) — GAL PID WELL MOUTH — PPM DISCHARGE TIMER SETTING NA SEC
 CALCULATED GAL/VOL NA GAL TOTAL VOL. PURGED ~1 GAL DRAWDOWN/ TOTAL PURGED NA PSI PRESSURE TO PUMP NA PSI
(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1056</u>										<u>BEGIN PURGING</u>
<u>1104</u>	<u>6.5</u>	<u>350</u>	<u>14.52</u>	<u>0.204</u>	<u>5.78</u>	<u>0.87</u>	<u>71000</u>	<u>34.0</u>	<u>22</u>	
<u>1105</u>										<u>Collected gw sample @ DP-31</u>
<u>1105</u>										<u>Final Values</u>
			<u>15</u>	<u>0.204</u>	<u>5.8</u>	<u>0.9</u>	<u>>1.0E⁵</u>	<u>34</u>	<u>22</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED lt brown CLOUDY TURBID ODOR _____ OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
 PERISTALTIC
 SUBMERSIBLE
 BLADDER
 WATERA
 OTHER _____

DECON FLUIDS USED
 LIQUINOX
 DEIONIZED WATER
 POTABLE WATER
 NITRIC ACID
 HEXANE
 METHANOL
 OTHER _____

TUBING/PUMP/BLADDER MATERIALS
 SILICON TUBING
 TEFLON TUBING
 TEFLON LINED TUBING
 HDPE TUBING
 LDPE TUBING
 OTHER _____

EQUIPMENT USED
 WATER LEVEL METER
 PID
 WQ METER YSI 556 (PINE)
 TURB. METER HACH 2100P (PINE)
 PUMP
 OTHER _____
 FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 ML</u>	<input checked="" type="checkbox"/>		<u>SEE ABOVE</u>

NOTES

Screening interval: 20' to 22' bgs
PID: 0.2 ppm

SKETCH

See dp-31 depth interval 16'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO NUMBER OF GALLONS GENERATED ~1
 NO-PURGE METHOD UTILIZED YES NO If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

Sampler Signature: [Signature]

Print Name: Ryan Shaw

Checked By: [Signature]

Date: 12/21/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME	Gent Uniform
PROJECT NUMBER	3612092134-04.1
SAMPLE ID	130056GW03127x
SAMPLE TIME	1115

SAMPLE LOCATION	DP-31	DATE	12-16-2010
START TIME	1115	END TIME	1115
SITE NAME/NUMBER	NYSDEC Site 130056	PAGE	1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP) 6.5 FT FINAL DTW (BMP) — FT PROT. CASING STICKUP (AGS) NA FT

SAMPLE DEPTH (BMP) 37 FT SCREEN LENGTH 2 FT PID AMBIENT AIR 0.1 PPM

WATER COLUMN ~26 FT DRAWDOWN VOLUME — GAL PID WELL MOUTH — PPM

CALCULATED GAL/VOL NA GAL TOTAL VOL. PURGED ~1 GAL DRAWDOWN/ TOTAL PURGED NA

(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

WELL INTEGRITY

YES	NO	N/A
CAP	—	X
CASING	—	X
LOCKED	—	X
COLLAR	—	X

TOC/TOR DIFFERENCE NA FT

REFILL TIMER SETTING NA SEC

DISCHARGE TIMER SETTING NA SEC

PRESSURE TO PUMP NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1106										BEGIN PURGING
1113	6.5	~350	13.57	0.143	5.81	0.94	71000	358	37	
1115										Collected gw sample @ DP-31
Final Values										
			19	0.143	5.8	0.9	71000	36	37	

SAMPLE OBSERVATIONS: CLEAR COLORED 4 line CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
<input checked="" type="checkbox"/> PERISTALTIC	<input type="checkbox"/> SUBMERSIBLE	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> DEIONIZED WATER	<input checked="" type="checkbox"/> SILICON TUBING	<input type="checkbox"/> S. STEEL PUMP MATERIAL	<input checked="" type="checkbox"/> WATER LEVEL METER	<input type="checkbox"/> PID
<input type="checkbox"/> BLADDER	<input type="checkbox"/> WATTERA	<input type="checkbox"/> POTABLE WATER	<input type="checkbox"/> NITRIC ACID	<input type="checkbox"/> TEFLON TUBING	<input type="checkbox"/> PVC PUMP MATERIAL	<input checked="" type="checkbox"/> WQ METER YSI 556 (PINE)	<input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE)
<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> HEXANE	<input type="checkbox"/> METHANOL	<input checked="" type="checkbox"/> HDPE TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN	<input type="checkbox"/> PUMP	<input type="checkbox"/> OTHER
<input type="checkbox"/> OTHER		<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> OTHER	<input type="checkbox"/> FILTERS NO. _____ TYPE _____	

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE

NOTES

Screening interval: 25' to 27' up
PID: 0.1 ppm

SKETCH

see dp-31 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER YES NO NUMBER OF GALLONS GENERATED ~1

CONTAINERIZED YES NO

NO-PURGE METHOD UTILIZED YES NO

If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature:
Print Name: Brandon Shaw
Checked By:
Date: 12/20/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134-04.1

SAMPLE ID: 130056GW03|32X SAMPLE TIME: 1125

SAMPLE LOCATION: DP-31 DATE: 12-16-2010

START TIME: 1115 END TIME: 1125

SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP): 6.5 FT FINAL DTW (BMP): — FT PROT. CASING STICKUP (AGS): NA FT

SAMPLE DEPTH (BMP): 32 FT SCREEN LENGTH: 2 FT PID AMBIENT AIR: 0.1 PPM

WATER COLUMN: ~25 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): — GAL PID WELL MOUTH: — PPM

CALCULATED GALVOL: NA GAL TOTAL VOL. PURGED: ~1 GAL DRAWDOWN/ TOTAL PURGED: NA

(column X well diameter squared X 0.041) (ml. per minute X total minutes X 0.00026 gal/ml)

WELL INTEGRITY

YES	NO	N/A
CAP	—	X
CASING	—	X
LOCKED	—	X
COLLAR	—	X

TOC/TOR DIFFERENCE: NA FT

REFILL TIMER SETTING: NA SEC

DISCHARGE TIMER SETTING: NA SEC

PRESSURE TO PUMP: NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1116</u>										<u>BEGIN PURGING</u>
<u>1124</u>	<u>6.5</u>	<u>350</u>	<u>13.52</u>	<u>0.062</u>	<u>5.84</u>	<u>1.12</u>	<u>71000</u>	<u>22.7</u>	<u>32</u>	
<u>1125</u>										<u>Collected gw sample @ DP-31</u>
										<u>Bas Final Values</u>
			<u>14</u>	<u>0.062</u>	<u>5.8</u>	<u>1.1</u>	<u>>1000</u>	<u>23</u>	<u>(2)</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED Brown CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS	EQUIPMENT USED
<input checked="" type="checkbox"/> PERISTALTIC <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> BLADDER	<input checked="" type="checkbox"/> LIQUINOX <input checked="" type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER _____	<input type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input checked="" type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER _____	<input checked="" type="checkbox"/> WATER LEVEL METER <input checked="" type="checkbox"/> PID MINI RAE <input checked="" type="checkbox"/> WQ METER <u>YSI 556 (PINE)</u> <input checked="" type="checkbox"/> TURB. METER <u>HACH 2100P (PINE)</u> <input type="checkbox"/> PUMP <input type="checkbox"/> OTHER _____ <input type="checkbox"/> FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>		<u>SEE ABOVE</u>

NOTES

Screening interval: 30' to 32' bgs

PID: 0.3 ppm

SKETCH

see dp-31 depth interval 10' - 12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw

Checked By: [Signature] Date: 12/20/10

P:\Projects\NYSDEC\1\qapp\2010 Revised Figures\Figure 4-10 Geoprobe GW Grab,Pore Water.xlsx

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.1
 SAMPLE ID: 130056GW03137X SAMPLE TIME: 1135

SAMPLE LOCATION: DP-31 DATE: 12-16-2010
 START TIME: 1125 END TIME: 1135
 SITE NAME/NUMBER: NYSDEC Site 130056 PAGE: 1 OF 1

SAMPLE TYPE: GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____
 WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER 1.5"
 TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface
 DEPTH TO WATER (BMP): 6.5 FT. FINAL DTW (BMP): — FT. PROT. CASING STICKUP (AGS): NA FT.
 SAMPLE DEPTH (BMP): 37 FT. SCREEN LENGTH: 2 FT. PID AMBIENT AIR: 0.0 PPM
 WATER COLUMN: -30 FT. DRAWDOWN VOLUME: — GAL. PID WELL MOUTH: — PPM
 CALCULATED GAL/VOL: NA GAL. TOTAL VOL. PURGED: 1 GAL. DRAWDOWN/ TOTAL PURGED: NA
(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

WELL INTEGRITY
 YES NO N/A
 CAP _____ X
 CASING _____ X
 LOCKED _____ X
 COLLAR _____ X

TOC/TOR DIFFERENCE: NA FT.
 REFILL TIMER SETTING: NA SEC
 DISCHARGE TIMER SETTING: NA SEC
 PRESSURE TO PUMP: NA PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1126</u>										<u>BEGIN PURGING</u>
<u>1134</u>	<u>6.5</u>	<u>-350</u>	<u>12.73</u>	<u>0.044</u>	<u>5.75</u>	<u>1.43</u>	<u>71000</u>	<u>44.7</u>	<u>37</u>	
<u>1135</u>										<u>Collected gw sample @ DP-31</u>
										<u>Final Values</u>
			<u>13</u>	<u>0.044</u>	<u>5.8</u>	<u>1.4</u>	<u>71.00</u>	<u>45</u>	<u>48</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED Light CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: <input checked="" type="checkbox"/> PERISTALTIC <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> BLADDER <input type="checkbox"/> WATTERA <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____	DECON FLUIDS USED: <input checked="" type="checkbox"/> LIQUINOX <input checked="" type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER _____	TUBING/PUMP/BLADDER MATERIALS: <input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input checked="" type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____	EQUIPMENT USED: <input checked="" type="checkbox"/> WATER LEVEL METER <input checked="" type="checkbox"/> PID MINI RAE <input checked="" type="checkbox"/> WQ METER YSI 556 (PINE) <input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE) <input type="checkbox"/> PUMP <input type="checkbox"/> OTHER _____ FILTERS NO. _____ TYPE _____
--	---	---	---

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>SEE ABOVE</u>

NOTES
Screening interval: 35' to 37'
PID: 0.1 ppm

SKETCH
See dp-31 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: 1

NO-PURGE METHOD UTILIZED: YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature] Print Name: Brandon Shaw
 Checked By: [Signature] Date: 12/24/10

P:\Projects\nysdec\Map\2010 Revised Figures\Figure 4-10 Geoprobe GW Grab,Pore Water.xls

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME Gent Uniform

PROJECT NUMBER 3612092134-04.1

SAMPLE ID 130056GW03142X SAMPLE TIME 1145

SAMPLE LOCATION DP-31 DATE 12-16-2010

START TIME 1135 END TIME 1145

SITE NAME/NUMBER NYSDEC Site 130056 PAGE 1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY

YES	NO	N/A
CAP	_____	X
CASING	_____	X
LOCKED	_____	X
COLLAR	_____	X

DEPTH TO WATER (BMP) <u>6.5</u> FT	FINAL DTW (BMP) <u>—</u> FT	PROT. CASING STICKUP (AGS) <u>NA</u> FT	TOC/TOR DIFFERENCE <u>NA</u> FT
SAMPLE DEPTH (BMP) <u>42</u> FT	SCREEN LENGTH <u>2</u> FT	PID AMBIENT AIR <u>0.0</u> PPM	REFILL TIMER SETTING <u>NA</u> SEC
WATER COLUMN <u>35</u> FT	DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041) <u>—</u> GAL	PID WELL MOUTH <u>—</u> PPM	DISCHARGE TIMER SETTING <u>NA</u> SEC
CALCULATED GAL/VOL. (column X well diameter squared X 0.041) <u>NA</u> GAL	TOTAL VOL. PURGED <u>1</u> GAL (mL per minute X total minutes X 0.00026 gal/mL)	DRAWDOWN/ TOTAL PURGED <u>NA</u>	PRESSURE TO PUMP <u>NA</u> PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1136</u>										<u>BEGIN PURGING</u>
<u>1144</u>	<u>6.5</u>	<u>350</u>	<u>11.78</u>	<u>0.649</u>	<u>5.69</u>	<u>1.29</u>	<u>7166</u>	<u>34-2</u>	<u>42</u>	
<u>1145</u>										<u>Collected gw sample DP-31</u>
										<u>BAF FINAL VALUES</u>
			<u>12</u>	<u>0.049</u>	<u>5.7</u>	<u>1.3</u>	<u>>1.0E3</u>	<u>34</u>	<u>(42)</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED blue CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC SUBMERSIBLE BLADDER	<input checked="" type="checkbox"/> LIQUINOX	<input checked="" type="checkbox"/> SILICON TUBING	<input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL
<input type="checkbox"/> WATERA	<input checked="" type="checkbox"/> DEIONIZED WATER	<input type="checkbox"/> TEFLON TUBING	<input checked="" type="checkbox"/> PVC PUMP MATERIAL
<input type="checkbox"/> OTHER _____	<input type="checkbox"/> POTABLE WATER	<input checked="" type="checkbox"/> TEFLON LINED TUBING	<input checked="" type="checkbox"/> GEOPROBE SCREEN
	<input type="checkbox"/> NITRIC ACID	<input type="checkbox"/> HDPE TUBING	<input checked="" type="checkbox"/> TEFLON BLADDER
	<input type="checkbox"/> HEXANE	<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> OTHER _____
	<input type="checkbox"/> METHANOL	<input type="checkbox"/> OTHER _____	<input type="checkbox"/> OTHER _____
	<input type="checkbox"/> OTHER _____	<input type="checkbox"/> OTHER _____	<input type="checkbox"/> OTHER _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 MI</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>SEE ABOVE</u>

NOTES

Screening interval: 40' to 42'
PID: 0.2 ppm

SKETCH

see dp-31 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO NUMBER OF GALLONS GENERATED 1

NO-PURGE METHOD UTILIZED YES NO If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: [Signature]

Print Name: Brandon Shaw

Checked By: [Signature]

Date: 12/24/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME Gent Uniform
 PROJECT NUMBER 3612092134-04.1
 SAMPLE ID 130056GW03147X SAMPLE TIME 1155

SAMPLE LOCATION DP-31 DATE 12-16-2010
 START TIME 1145 END TIME 1155
 SITE NAME/NUMBER NYSDEC Site 130056 PAGE 1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____
 WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"
 TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

WELL INTEGRITY
 YES NO N/A
 CAP _____ X
 CASING _____ X
 LOCKED _____ X
 COLLAR _____ X

DEPTH TO WATER (BMP) 6.5 FT FINAL DTW (BMP) — FT PROT. CASING STICKUP (AGS) NA FT TOC/TOR DIFFERENCE NA FT
 SAMPLE DEPTH (BMP) 47 FT SCREEN LENGTH 2 FT PID AMBIENT AIR 0.2 PPM REFILL TIMER SETTING NA SEC
 WATER COLUMN 40 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041) — GAL PID WELL MOUTH — PPM DISCHARGE TIMER SETTING NA SEC
 CALCULATED GAL/VOL (column X well diameter squared X 0.041) NA GAL TOTAL VOL. PURGED 1 GAL DRAWDOWN/ TOTAL PURGED NA PSI
(ml. per minute X total minutes X 0.00026 gal/mL)

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1146</u>										<u>BEGIN PURGING</u>
<u>1154</u>	<u>6.5</u>	<u>350</u>	<u>12.12</u>	<u>0.045</u>	<u>5.71</u>	<u>1.01</u>	<u>71000</u>	<u>34.7</u>	<u>47</u>	
<u>1155</u>										<u>Collected gw sample @ DP-31</u>
<u>1155</u>										<u>Final values</u>
			<u>12</u>	<u>0.045</u>	<u>5.7</u>	<u>1.0</u>	<u>21000</u>	<u>35</u>	<u>(CB)</u>	

SAMPLE OBSERVATIONS: CLEAR COLORED Lt Dume CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
 PERISTALTIC SUBMERSIBLE BLADDER WATERA OTHER _____

DECON FLUIDS USED
 LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____

TUBING/PUMP/BLADDER MATERIALS
 SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____

EQUIPMENT USED
 WATER LEVEL METER PID MINI RAE WQ METER YSI 556 (PINE) TURB. METER HACH 2100P (PINE) PUMP OTHER _____ OTHER _____
 FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	<u>8260B</u>	<u>4 DEGREES C</u>	<u>2 X 40 ML</u>	<input checked="" type="checkbox"/>		<u>SEE ABOVE</u>

NOTES

Screening interval: 45' to 47' i/s
PID: 0.2 ppm

SKETCH

See dp-31 depth interval 10'-12'

PURGE OBSERVATIONS

PURGE WATER YES NO NUMBER OF GALLONS GENERATED 1
 CONTAINERIZED
 NO-PURGE METHOD YES NO
 UTILIZED If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

Sampler Signature: _____

Print Name: Brendan Shaw

Checked By: _____

Date: 12/22/10

GROUNDWATER/ PORE WATER GRAB SAMPLING RECORD



PROJECT NAME Gent Uniform	
PROJECT NUMBER 3612092134-04.1	
SAMPLE ID 130056G-W03152X	SAMPLE TIME 1205

SAMPLE LOCATION DP-31	DATE 12-16-2010
START TIME 1155	END TIME 1215
SITE NAME/NUMBER NYSDEC Site 130056	PAGE 1 OF 1

SAMPLE TYPE GRAB WELL/PIEZOMETER GEOPROBE PORE WATER OUTFALL OTHER _____

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER 1.5"

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER below ground surface

DEPTH TO WATER (BMP) 6.15 FT	FINAL DTW (BMP) — FT	PROT. CASING STICKUP (AGS) NA FT	TOC/TOR DIFFERENCE NA FT
SAMPLE DEPTH (BMP) 52 FT	SCREEN LENGTH 2 FT	PID AMBIENT AIR 0.0 PPM	REFILL TIMER SETTING NA SEC
WATER COLUMN 45 FT	DRAWDOWN VOLUME (initial DTW- final DTW X well diam. squared X 0.041) — GAL	PID WELL MOUTH — PPM	DISCHARGE TIMER SETTING NA SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041) NA GAL	TOTAL VOL. PURGED 1 GAL	DRAWDOWN/ TOTAL PURGED NA	PRESSURE TO PUMP NA PSI

FIELD PARAMETERS

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
------	----------	---------------------	------------	-------------------------	------------	-----------------------------	-----------------	------------	------------------------	----------

1156										BEGIN PURGING
1204	6.15	~350	12.59	0.049	5.74	1.13	71000	25.3	52	
1205	Collected gw sample @ DP-31									
BAS FINAL VALUES										
	13		0.049	5.7	1.1	7.0E3	25	(LB)		

SAMPLE OBSERVATIONS: CLEAR COLORED 4 live CLOUDY TURBID ODOR OTHER (see notes) _____

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS	EQUIPMENT USED
<input checked="" type="checkbox"/> PERISTALTIC <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> BLADDER <input type="checkbox"/> WATERA <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____	<input checked="" type="checkbox"/> LIQUINOX <input checked="" type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER _____	<input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input checked="" type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____	<input checked="" type="checkbox"/> WATER LEVEL METER <input checked="" type="checkbox"/> PID MINI RAE <input checked="" type="checkbox"/> WQ METER YSI 556 (PINE) <input checked="" type="checkbox"/> TURB. METER HACH 2100P (PINE) <input type="checkbox"/> PUMP <input type="checkbox"/> OTHER _____ <input type="checkbox"/> FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOLATILE ORGANIC COMPOUND	8260B	4 DEGREES C	2 X 40 ML	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SEE ABOVE

NOTES

Screening interval: 50' to 52'

PID: 0.2 ppm

SKETCH

see DP-31 depth interval 10' - 12'

PURGE OBSERVATIONS

PURGE WATER YES NO NUMBER OF GALLONS GENERATED 1

CONTAINERIZED YES NO

NO-PURGE METHOD UTILIZED YES NO

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

Signature: *[Handwritten Signature]*
Print Name: Brandon Sher

Checked By: *[Handwritten Signature]*
Date: 12/22/10

P:\Projects\Nysdec\app\2010 Revised Figures\Figure 4-10 Geoprobe GW Grab,Pore Water.xls

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: ## 3612092134
 PROJECT LOCATION: Massapequa, New York
 WEATHER CONDITIONS (AM): 40°F, Rainy
 WEATHER CONDITIONS (PM): 30°F, dark

TASK NO: 4.1 DATE: 12-13-2010
 MACTEC CREW: BAS
 SAMPLER NAME: Brandon Shaw
 SAMPLER SIGNATURE: [Signature]
 CHECKED BY: [Signature] DATE: 12/23/10

MULTI-PARAMETER WATER QUALITY METER

METER TYPE: YSI
 MODEL NO.: 556
 UNIT ID NO.: PINE 485

AM CALIBRATION

Start Time: 0615 / End Time: 0640

	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)
pH (4)	SU	4.0	<u>4.01</u>	+/- 0.1 pH Units
pH (7)	SU	7.0	<u>7.02</u>	+/- 0.1 pH Units
pH (10)	SU	10.0	<u>NA</u>	+/- 0.1 pH Units
Redox	+/- mV	240	<u>237.9</u>	+/- 10 mV
Conductivity	mS/cm	1.413	<u>1.414</u>	+/- 0.5 % of standard
DO (saturated)	%	100	<u>96.3</u>	+/- 2% of standard
DO (saturated)	mg/L ^{1 (see Chart 1)}	<u>18.8</u>	<u>8.53</u>	+/- 0.2 mg/L
DO (<0.1)	mg/L	<0.1	<u>NA</u>	< 0.5 mg/L
Temperature	°C	<u>8.61</u>	<u>20.27</u>	
Baro. Press.	mmHg	<u>10</u>	<u>733.5</u>	

POST CALIBRATION CHECK

Start Time: 1710 / End Time: 1735

	Standard Value	Meter Value	*Acceptance Criteria (PM)
pH (4)	4.0	<u>4.06</u>	
pH (7)	7.0	<u>7.00</u>	+/- 0.3 pH Units
Redox	240	<u>251.10</u>	+/- 10 mV
Conductivity	1.413	<u>1.406</u>	+/- 5% of standard
DO (saturated)	<u>18.8</u>	<u>8.54</u>	+/- 0.5 mg/L of standard
DO (<0.1)	<u>8.62</u>	<u>19.48</u>	
Baro. Press.	<u>10</u>	<u>733.8</u>	

TURBIDITY METER

METER TYPE: HACH
 MODEL NO.: 2100P
 UNIT ID NO.: PINE 11637

Units	Standard Value	Meter Value
<0.1 Standard	NTU	<u>0.12</u>
20 Standard	NTU	<u>20.2</u>
100 Standard	NTU	<u>103</u>
800 Standard	NTU	<u>786</u>

Standard Value	Meter Value	*Acceptance Criteria (PM)
<0.1	<u>0.15</u>	+/- 0.3 NTU of stan.
20	<u>20.1</u>	+/- 5% of standard
100	<u>102</u>	+/- 5% of standard
800	<u>812</u>	+/- 5% of standard

PHOTOIONIZATION DETECTOR

METER TYPE: MINIRAE
 MODEL NO.: 2000
 UNIT ID NO.: MACTEC 63

Background	ppmv	<0.1
	<u>40.1</u>	
Span Gas	ppmv	100
	<u>99.1</u>	

Standard Value	Meter Value	*Acceptance Criteria (PM)
<0.1	<u>40.1</u>	within 5 ppmv of BG
100	<u>96.7</u>	+/- 10% of standard

O₂-LEL 4 GAS METER

METER TYPE: _____
 MODEL NO.: _____
 UNIT ID NO.: _____

Methane	%	50
O ₂	%	20.9
H ₂ S	ppmv	25
CO	ppmv	50

Standard Value	Meter Value	*Acceptance Criteria (PM)
50		+/- 10% of standard
20.9		+/- 10% of standard
25		+/- 10% of standard
50		+/- 10% of standard

OTHER METER

METER TYPE: _____
 MODEL NO.: _____
 UNIT ID NO.: _____

See Notes Below for Additional Information

- Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.
 Equipment (not) calibrated within the Acceptance Criteria specified for each of the parameters listed above**.

MATERIALS RECORD

Deionized Water Source: Portland FOS
 Lot#/Date Produced: _____
 Trip Blank Source: _____
 Sample Preservatives Source: _____
 Disposable Filter Type: _____
 Calibration Fluids / Standard Source:
 - DO Calibration Fluid (<0.1 mg/L) NA
 - Other _____
 - Other _____
 - Other _____

	Cal. Standard Lot Number	Exp. Date
pH (4)	2003077	Feb-12
pH (7)	2003791	Feb-12
pH (10)	NA	NA
ORP	1477	Mar-14
Conductivity	8124	7/8/2011
<0.1 Turb. Stan.	172	Jul-11
20 Turb. Stan.	209	Jul-11
100 Turb. Stan.	210	Jul-11
800 Turb. Stan.	210	Jul-11
PID Span Gas	<u>KAK-248-100-1</u>	<u>10-2-14</u>
O ₂ -LEL Span Gas	NA	NA
Other	NA	NA

NOTES:

pid began acting strange @ 1300; most likely due to moisture
⊗ Brased low based on PM calibration check
⊗ POTENTIALLY SUBSD 17.14.10
⊗ Brased on PM CALIBRATION

* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additional acceptance criteria obtained from instrument specific manufacturer recommendations.
 ** = If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.
 † = DO Saturated standard value is calculated based on Oxygen Solubility at Indicated Pressure Chart from the USEPA Region 1 SOP for Field Instrument Calibration (EQASOP-FieldCalibrat), dated 1/19/2010.



FIGURE 6-1
 FIELD INSTRUMENT CALIBRATION RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT NAME: Gen Uniform
 PROJECT NUMBER: ## 3612092134
 PROJECT LOCATION: Massapequa, New York
 WEATHER CONDITIONS (AM): 15°F, snowing
 WEATHER CONDITIONS (PM): 17°F, windy.

TASK NO: 4.1 DATE: 12-14-10
 MACTEC CREW: BAS
 SAMPLER NAME: Brandon Shaw
 SAMPLER SIGNATURE: [Signature]
 CHECKED BY: [Signature] DATE: 12/20/10

MULTI-PARAMETER WATER QUALITY METER

METER TYPE	AM CALIBRATION				
YSI	Start Time	End Time	Standard Value	Meter Value	*Acceptance Criteria (AM)
MODEL NO. 556	<u>0610</u>	<u>0625</u>			
UNIT ID NO. PINE <u>085</u>					
	Units				
pH (4)	SU		4.0	<u>4.01</u>	+/- 0.1 pH Units
pH (7)	SU		7.0	<u>7.00</u>	+/- 0.1 pH Units
pH (10)	SU		10.0	<u>NA</u>	+/- 0.1 pH Units
Redox	+/- mV		240	<u>240.0</u>	+/- 10 mV
Conductivity	mS/cm		1.413	<u>1.416</u>	+/- 0.5 % of standard
DO (saturated)	%		100	<u>97.7</u>	+/- 2% of standard
DO (saturated)	mg/L ^{1 (see Chart 1)}		<u>9.2</u>	<u>9.01</u>	+/- 0.2 mg/L
DO (<0.1)	mg/L		<0.1	<u>NA</u>	< 0.5 mg/L
Temperature	°C			<u>18.18</u>	
Baro. Press.	mmHg			<u>740.1</u>	

POST CALIBRATION CHECK		
Start Time	End Time	
<u>2005</u>	<u>2220</u>	
Standard Value	Meter Value	*Acceptance Criteria (PM)
4.0	<u>4.06</u>	
7.0	<u>6.43</u>	+/- 0.3 pH Units
240	<u>232.7</u>	+/- 10 mV
1.413	<u>1.402</u>	+/- 5% of standard
<u>~8.4</u>	<u>8.17</u>	+/- 0.5 mg/L of standard
	<u>22.97</u>	
	<u>747.2</u>	

TURBIDITY METER

METER TYPE	Units			Standard Value	Meter Value	*Acceptance Criteria (PM)
HACH						
MODEL NO. 2100P						
UNIT ID NO. PINE 11637						
	<0.1 Standard	NTU	<0.1		<u>0.13</u>	+/- 0.3 NTU of stan.
	20 Standard	NTU	20		<u>20.3</u>	+/- 5% of standard
	100 Standard	NTU	100		<u>102</u>	+/- 5% of standard
	800 Standard	NTU	800		<u>786</u>	+/- 5% of standard

Standard Value	Meter Value	*Acceptance Criteria (PM)
<0.1	<u>0.11</u>	+/- 0.3 NTU of stan.
20	<u>20.0</u>	+/- 5% of standard
100	<u>103</u>	+/- 5% of standard
800	<u>773</u>	+/- 5% of standard

PHOTOIONIZATION DETECTOR

METER TYPE	Background	ppmv	<0.1	Meter Value	*Acceptance Criteria (PM)
MINI RAE				<u><0.1</u>	within 5 ppmv of BG
MODEL NO. <u>2000</u>					
UNIT ID NO. MACTEC <u>63</u>	Span Gas	ppmv	100	<u>100.</u>	+/- 10% of standard

Standard Value	Meter Value	*Acceptance Criteria (PM)
<0.1	<u>0.1</u>	within 5 ppmv of BG
100	<u>99.8</u>	+/- 10% of standard

O₂-LEL 4 GAS METER

METER TYPE	Methane	%	50	Meter Value	*Acceptance Criteria (PM)
					+/- 10% of standard
MODEL NO.	O ₂	%	20.9		+/- 10% of standard
UNIT ID NO.	H ₂ S	ppmv	25		+/- 10% of standard
	CO	ppmv	50		+/- 10% of standard

Standard Value	Meter Value	*Acceptance Criteria (PM)
50		+/- 10% of standard
20.9		+/- 10% of standard
25		+/- 10% of standard
50		+/- 10% of standard

OTHER METER

METER TYPE	Units	Standard Value	Meter Value	*Acceptance Criteria (PM)
				See Notes Below for Additional Information
MODEL NO.				
UNIT ID NO.				

METER TYPE	Units	Standard Value	Meter Value	*Acceptance Criteria (PM)
				See Notes Below for Additional Information
MODEL NO.				
UNIT ID NO.				

- Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.
 Equipment (not) calibrated within the Acceptance Criteria specified for each of the parameters listed above**.

MATERIALS RECORD

Deionized Water Source: Portland FOS
 Lot#/Date Produced: _____
 Trip Blank Source: _____
 Sample Preservatives Source: _____
 Disposable Filter Type: _____
 Calibration Fluids / Standard Source:
 - DO Calibration Fluid (<0.1 mg/L) NA
 - Other _____
 - Other _____
 - Other _____

	Cal. Standard Lot Number	Exp. Date
pH (4)	2003077	Feb-12
pH (7)	2003791	Feb-12
pH (10)	NA	NA
ORP	1477	Mar-14
Conductivity	8124	7/8/2011
<0.1 Turb. Stan.	172	Jul-11
20 Turb. Stan.	209	Jul-11
100 Turb. Stan.	210	Jul-11
800 Turb. Stan.	210	Jul-11
PID Span Gas	<u>FAK-248-100-1</u>	<u>12-2-14</u>
O ₂ -LEL Span Gas	NA	NA
Other	NA	NA

NOTES:

* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additional acceptance criteria obtained from instrument specific manufacturer recommendations.
 ** = If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.
 1 = DO Saturated standard value is calculated based on Oxygen Solubility at Indicated Pressure Chart from the USEPA Region 1 SOP for Field Instrument Calibration (EQASOP-FieldCalibrat), dated 1/19/2010.



FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT NAME: Gent Uniform TASK NO: 4.1 DATE: 12-15-10
 PROJECT NUMBER: ## 3612092134 MACTEC CREW: BAS
 PROJECT LOCATION: Massapequa, New York SAMPLER NAME: Brandon Shaw
 WEATHER CONDITIONS (AM): 26°F, windy SAMPLER SIGNATURE: [Signature]
 WEATHER CONDITIONS (PM): 22°F, dark CHECKED BY: [Signature] DATE: 12/24/10

MULTI-PARAMETER WATER QUALITY METER

METER TYPE YSI
 MODEL NO. 556
 UNIT ID NO. PINE 915

AM CALIBRATION
 Start Time 0605 / End Time 0635

Units	Standard Value	Meter Value	*Acceptance Criteria (AM)
pH (4) SU	4.0	<u>4.80</u>	+/- 0.1 pH Units
pH (7) SU	7.0	<u>7.60</u>	+/- 0.1 pH Units
pH (10) SU	10.0	<u>NA</u>	+/- 0.1 pH Units
Redox +/- mV	240	<u>240.3</u>	+/- 10 mV
Conductivity mS/cm	1.413	<u>1.413</u>	+/- 0.5 % of standard
DO (saturated) %	100	<u>97.5</u>	+/- 2% of standard
DO (saturated) mg/L ^{1 (see Chart 1)}	<u>9.1</u>	<u>8.82</u>	+/- 0.2 mg/L
DO (<0.1) mg/L	<0.1	<u>NA</u>	< 0.5 mg/L
Temperature °C		<u>19.31</u>	
Baro. Press. mmHg		<u>747.4</u>	

POST CALIBRATION CHECK

Start Time 1925 / End Time 1950

Standard Value	Meter Value	*Acceptance Criteria (PM)
4.0	<u>4.23</u>	
7.0	<u>6.91</u>	+/- 0.3 pH Units
240	<u>237.2</u>	+/- 10 mV
1.413	<u>1.416</u>	+/- 5% of standard
	<u>93.8</u>	
	<u>7.98</u>	+/- 0.5 mg/L of standard
	<u>22.26</u>	
	<u>749.9</u>	

TURBIDITY METER

METER TYPE HACH
 MODEL NO. 2100P
 UNIT ID NO. PINE 11637

Units	Standard Value	Meter Value	*Acceptance Criteria (PM)
<0.1 Standard NTU	<0.1	<u>0.13</u>	+/- 0.3 NTU of stan.
20 Standard NTU	20	<u>20.4</u>	+/- 5% of standard
100 Standard NTU	100	<u>101</u>	+/- 5% of standard
800 Standard NTU	800	<u>792</u>	+/- 5% of standard

Standard Value	Meter Value	*Acceptance Criteria (PM)
<0.1	<u>0.16</u>	+/- 0.3 NTU of stan.
20	<u>20.5</u>	+/- 5% of standard
100	<u>100</u>	+/- 5% of standard
800	<u>780</u>	+/- 5% of standard

PHOTOIONIZATION DETECTOR

METER TYPE MINI RAE
 MODEL NO. 2000
 UNIT ID NO. MACTEC 63

Background	ppmv	<0.1	Meter Value	*Acceptance Criteria (PM)
			<u>0.1</u>	within 5 ppmv of BG
Span Gas	ppmv	100	<u>100</u>	+/- 10% of standard

Background	ppmv	<0.1	Meter Value	*Acceptance Criteria (PM)
			<u>6.1</u>	within 5 ppmv of BG
Span Gas	ppmv	100	<u>99.1</u>	+/- 10% of standard

O₂-LEL 4 GAS METER

Methane %	50	Meter Value	*Acceptance Criteria (PM)
			+/- 10% of standard
O ₂ %	20.9	Meter Value	*Acceptance Criteria (PM)
			+/- 10% of standard
H ₂ S ppmv	25	Meter Value	*Acceptance Criteria (PM)
			+/- 10% of standard
CO ppmv	50	Meter Value	*Acceptance Criteria (PM)
			+/- 10% of standard

Methane %	50	Meter Value	*Acceptance Criteria (PM)
			+/- 10% of standard
O ₂ %	20.9	Meter Value	*Acceptance Criteria (PM)
			+/- 10% of standard
H ₂ S ppmv	25	Meter Value	*Acceptance Criteria (PM)
			+/- 10% of standard
CO ppmv	50	Meter Value	*Acceptance Criteria (PM)
			+/- 10% of standard

OTHER METER

METER TYPE _____
 MODEL NO. _____
 UNIT ID NO. _____

See Notes Below for Additional Information

- Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.
 Equipment (not) calibrated within the Acceptance Criteria specified for each of the parameters listed above**.

MATERIALS RECORD

Deionized Water Source: Portland FOS
 Lot#/Date Produced: _____
 Trip Blank Source: _____
 Sample Preservatives Source: _____
 Disposable Filter Type: _____
 Calibration Fluids / Standard Source:
 - DO Calibration Fluid (<0.1 mg/L) NA
 - Other _____
 - Other _____
 - Other _____

	Cal. Standard Lot Number	Exp. Date
pH (4)	2003077	Feb-12
pH (7)	2003791	Feb-12
pH (10)	NA	NA
ORP	1477	Mar-14
Conductivity	8124	7/8/2011
<0.1 Turb. Stan.	172	Jul-11
20 Turb. Stan.	209	Jul-11
100 Turb. Stan.	210	Jul-11
800 Turb. Stan.	210	Jul-11
PID Span Gas	<u>FAK-254-160-1</u>	<u>16-2-14</u>
O ₂ -LEL Span Gas	NA	NA
Other	NA	NA

NOTES:

Ⓢ D.O. POTENTIALLY BIASED LOW BASED ON P.M. CALIBRATION Ⓢ

* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additional acceptance criteria obtained from instrument specific manufacturer recommendations.
 ** = If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.
 1 = DO Saturated standard value is calculated based on Oxygen Solubility at Indicated Pressure Chart from the USEPA Region 1 SOP for Field Instrument Calibration (EQASOP-FieldCalibrat), dated 1/19/2010.



FIGURE 6-1
 FIELD INSTRUMENT CALIBRATION RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT NAME: Gent Uniform TASK NO: 4.1 DATE: 12-16-10
 PROJECT NUMBER: ## 5612092134 MACTEC CREW: BAS
 PROJECT LOCATION: Massapequa, New York SAMPLER NAME: Brandon Shaw
 WEATHER CONDITIONS (AM): 21°F, Sunny SAMPLER SIGNATURE: [Signature]
 WEATHER CONDITIONS (PM): 32°F, DMK CHECKED BY: [Signature] DATE: 12/25/10

MULTI-PARAMETER WATER QUALITY METER				POST CALIBRATION CHECK					
METER TYPE	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)		
YSI									
MODEL NO. 556									
UNIT ID NO. PINE 485									
		Start Time	6610	/End Time	6630	Start Time	1805	/End Time	1825
pH (4)	SU	4.0	4.06	+/- 0.1 pH Units	4.0	3.79			
pH (7)	SU	7.0	7.02	+/- 0.1 pH Units	7.0	7.12	+/- 0.3 pH Units		
pH (10)	SU	10.0	NA	+/- 0.1 pH Units					
Redox	+/- mV	240	240.1	+/- 10 mV	240	231.9	+/- 10 mV		
Conductivity	mS/cm	1.413	1.413	+/- 0.5 % of standard	1.413	1.417	+/- 5% of standard		
DO (saturated)	%	100	100.1	+/- 2% of standard		89.7			
DO (saturated) mg/L ¹ (see Chart 1)		~8.5	8.53	+/- 0.2 mg/L	~8.8	7.91	+/- 0.5 mg/L of standard		
DO (<0.1)	mg/L	<0.1	NA	<0.5 mg/L					
Temperature	°C		22.46			20.61			
Baro. Press.	mmHg		751.6			747.9			

TURBIDITY METER			Standard Value	Meter Value	*Acceptance Criteria (PM)
METER TYPE	HACH	Units			
MODEL NO.	2100P				
UNIT ID NO.	PINE 11637				
	<0.1 Standard	NTU	<0.1	0.12	+/- 0.3 NTU of stan.
	20 Standard	NTU	20	20.6	+/- 5% of standard
	100 Standard	NTU	100	102	+/- 5% of standard
	800 Standard	NTU	800	779	+/- 5% of standard

PHOTOIONIZATION DETECTOR			Standard Value	Meter Value	*Acceptance Criteria (PM)			
METER TYPE	MINI RAE	Background	ppmv	<0.1	0.0	<0.1	0.1	within 5 ppmv of BG
MODEL NO.	2006							
UNIT ID NO.	MACTEC 63	Span Gas	ppmv	100	100	100	101	+/- 10% of standard

O ₂ -LEL 4 GAS METER			Standard Value	Meter Value	*Acceptance Criteria (PM)			
METER TYPE		Methane	%	50		50		+/- 10% of standard
MODEL NO.		O ₂	%	20.9		20.9		+/- 10% of standard
UNIT ID NO.		H ₂ S	ppmv	25		25		+/- 10% of standard
		CO	ppmv	50		50		+/- 10% of standard

OTHER METER			See Notes Below for Additional Information		
METER TYPE					
MODEL NO.					
UNIT ID NO.					

- Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.
 Equipment (not) calibrated within the Acceptance Criteria specified for each of the parameters listed above**.

MATERIALS RECORD		Cal. Standard Lot Number	Exp. Date	
Deionized Water Source:	Portland FOS	pH (4)	2003077	Feb-12
Lot#/Date Produced:		pH (7)	2003791	Feb-12
Trip Blank Source:		pH (10)	NA	NA
Sample Preservatives Source:		ORP	1477	Mar-14
Disposable Filter Type:		Conductivity	8124	7/8/2011
Calibration Fluids / Standard Source:		<0.1 Turb. Stan.	172	Jul-11
- DO Calibration Fluid (<0.1 mg/L)	NA	20 Turb. Stan.	209	Jul-11
- Other		100 Turb. Stan.	210	Jul-11
- Other		800 Turb. Stan.	210	Jul-11
- Other		PID Span Gas	KAE-248-100-1	10-2-14
- Other		O ₂ -LEL Span Gas	NA	NA
		Other	NA	NA

NOTES:
 PINE MINI RAE (Backup).
 Backup 0.0 ppm; 100 ppm = 100.
 P.O. POTENTIALLY BENT LOW BASED ON P.M. CAL. PARTIAL (P)
 Background: 0-2 100 = 103
 ?m Cal Check:
 * = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additional acceptance criteria obtained from instrument specific manufacturer recommendations.
 ** = If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.
 1 = DO Saturated standard value is calculated based on Oxygen Solubility at Indicated Pressure Chart from the USEPA Region 1 SOP for Field Instrument Calibration (EQASOP-FieldCalibrat), dated 1/19/2010.

APPENDIX E-2

SOIL BORING LOGS

SOIL BORING LOG

Project Gents Rental Uniform Service		Boring/Well No. MW-6	Project No. 3012092134
Client NYSDEC	Site Town of Oriskany, NY	Sheet No. 1 of 1	
Logged By B. Shaw	Ground Elevation 12.68' (G.A.S.)	Start Date 11-16-09	Finish Date 11-16-09
Drilling Contractor Geologic, NY	Driller's Name Scott Brited	Rig Type CME 55	
Drilling Method HSA	Protection Level D	P.I.D. (eV) 10.	Casing Size 8 1/4" O.D.
Soil Drilled 22'	Rock Drilled /	Total Depth 22'	Depth to Groundwater/Date ~12.1' bgs (11-16-09)
		Piez <input type="checkbox"/>	Well Boring <input checked="" type="checkbox"/>

S₁

1235

S₂

1240

S₃

1250

S₄

1305

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
0				0-0.3 Asphalt				
0-5				0.3-5 reddish brown to yellowish brown m. coarse sand; $PI = 0.2$ ppm.		20.1		
5	1577	5-7		5-7: Lt orange brown/yellow brown clean sand, fine to coarse sand, damp, m dense to loose, dump, poorly sorted, coarse sand is well rounded less coarse gravel @ 7', NP.		20.1		5'
5-10	1.0 / 2.0	11-14						7'
10	1.4 / 2.0	3-4		10-12: Lt Brown to Lt orange brown, fine to m. coarse sand, saturated, loose, poorly sorted, NP.		0.1		10'
10-15		4-5				0.2		12'
15	1.2 / 2.0	12-14		15-17: Lt grey, to Lt yellow brown, sandy gravel, m coarse sand, to fine gravel, saturated, WG, NP, m dense, gravel is well rounded,		0.5		15'
15-20		13-10				0.3		17'
20	1.1 / 2.0	5-6		20-22: Lt Brown sandy gravel, fine sand to m coarse gravel, some quartz, well rounded, loose, NP, saturated,		0.2		20'
20-25		5-4		NP;		0.2		22'
25				AS		0.1		

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

J am 3/18/11

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. MW-8I	Project No. 3612092134	
Client NYSDEC	Site Town of Oyster Bay, NY		Sheet No. 1 of 1	
Logged By B. Shaw	Ground Elevation 13.47' (AMS)	Start Date 11-19-09	Finish Date 11/19/09	
Drilling Contractor Geologix, NY	Driller's Name Scott Breeds		Rig Type CME 55	
Drilling Method HSA	Protection Level J	P.I.D. (eV) 10	Casing Size /	Auger Size ~8 1/4" OD
Soil Drilled ~40'	Rock Drilled /	Total Depth ~40'	Depth to Groundwater/Date "DID NOT MEASURE"	Piez <input type="checkbox"/> Well <input checked="" type="checkbox"/> Boring <input type="checkbox"/>

S₁
 C^o 0958
 S₂
 C^o 1004
 S₃
 C^o 1016
 S₄
 C^o 1029

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter	Field Scan	
						PI Meter Head Space		
0 - 32				Aggered down to 32' bps and took continuous soil samples to 40' bps.				
32	1-9 / 2.0	1-1		32-34' Lt brown, clean and fine to coarse sand, poorly sorted, medium/loose, NP, trace fine well rounded gravel; saturated;		0.1		32'
34	2-0 / 2.0	2-3				0.1		
34	0.8 / 2.0	2-1		34-36' Lt orange/brown, m coarse sand, some coarse sand, poorly sorted, saturated, loose, NP,		Lo-1		34'
36	0.8 / 2.0	3-2				Lo-1		36'
36	0.8 / 2.0	3-4		36-38' Lt Brown m coarse sand, trace fine sand, saturated, NP/SP; m dense, poorly sorted;		Lo-1		36'
38	1.5 / 2.0	5-5				Lo-1		38'
38	1.5 / 2.0	3-3		38-40' Lt brown m coarse sand w/ little coarse sand, poorly sorted, saturated, m dense/dense, NP,		Lo-1		38'
40				/				40'


MACTEC
 511 Congress Street
 Portland, ME 04101

FIGURE 4-4
 SOIL BORING LOG
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

✓ cm 3/16/11

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. NW-83	Project No. 361209213f
Client NYSDEC	Site Town of Oyster Bay, NY		Sheet No. 1 of 3
Logged By BShaw	Ground Elevation 13.51' AMSL	Start Date 11-18-09	Finish Date 11-20-09
Drilling Contractor Geologix, NY	Driller's Name Scott Breeds	Rig Type CME 55	
Drilling Method HSA	Protection Level D	P.I.D. (eV) 10	Casing Size / Auger Size ~8 1/4" OD
Soil Drilled ~75'	Rock Drilled /	Total Depth ~75'	Depth to Groundwater/Date 10.32' (TOP) (11/20/09) Piez <input type="checkbox"/> Well <input checked="" type="checkbox"/> Boring <input type="checkbox"/>

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
0-5	1.1/20	4-7	11-11	0-0.3 Asphalt/Black top; - reddish brown, WG sand, some fine gravel, - fill; - off agency		4.1	5	(off cutting)
5-10	1.1/20	4-7	11-11	5-7: orange brown fine to m. coarse sand, poorly sorted, trace coarse sand @ 7', damp, m dense, NP,		6.1	7	
10-15	1.0/20	2-3	3-5	10-12: Lt Brown to Lt orange brown, fine sand to coarse sand @ 12', saturated, WG, NP, loose, well rounded trace fine gravel @ 12', v. loose		6.1	10	
15-20	1.4/20	2-3	4-3	15-17: orange brown, WG gravelly sand, fine sand to fine gravel, well rounded/polished, saturated, m dense, NP,		0.1	12	
20-25	1.2/20	2-3	4-5	20-21: Lt orange brown m coarse sand, sat, poorly sorted, NP, m dense, 21-22: Lt greyish brown m. coarse sand, trace coarse sand, m dense, sat, poorly sorted, NP		0.3	15	
25-30	0.0/20	3-4	3-3	no recovery to speak of		0.4	17	
						6.2	20	
						0.3	22	
						0.1	25	
						6.1	27	

S1
① 0755

S2
① 0807

S3
① 0814

S4
① 0833

S5
① 0851



FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

↓ core 3/18/11

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. MW-8D	Project No. 3612092134	
Client NYDEC	Site Town of Oyster Bay, NY		Sheet No. 2 of 3	
Logged By B Shaw	Ground Elevation 13.51'	Start Date 11-18-09	Finish Date 11-20-09	
Drilling Contractor Geologic, NY	Driller's Name Scott Breeds		Rig Type CME 55	
Drilling Method HSA	Protection Level D	P.I.D. (eV) 10	Casing Size /	Auger Size ~8 1/4" OD
Soil Drilled ~75'	Rock Drilled /	Total Depth ~75'	Depth to Groundwater/Date 10.32' (TOR) (11/20/09)	Piez <input type="checkbox"/> Well <input checked="" type="checkbox"/> Boring <input type="checkbox"/>

S6
 P0916
 S7
 P0937
 S8
 P0958
 S9
 P1012
 S10
 P1036
 S11
 P1044

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
30	1.6 / 2.0	3-5 / 4-5		30-32: Lt Brown, m coarse sand, trace coarse sand, poorly sorted, saturated, v. loose, NP, more coarse sand @ ~30.5';		0.1 0.2 LOI	30	
35	1.9 / 2.0	5-5 / 4-5		35-37: Lt yellowish brown to Lt brown, m coarse sand, trace coarse sand - well rounded, saturated, poorly sorted, loose, NP.		0.2 LOI	35	
40	1.9 / 2.0	5-5 / 4-5		40-42: Lt Brown clean m. coarse sandy, saturated m dense to loose, poorly sorted, NP,		LOI	40	
45	1.6 / 2.0	2-1 / 2-1		45-47: Lt Brown, clean m coarse sand, saturated, loose, poorly sorted, NP,		LOI	45	
50	0.0 / 2.0	7-7 / 7-6		50-52: no recovery; could be due to the 20 gallons of water added to boring/augers to keep sand out of bottom;		NA	50	
55	1.3 / 2.0	2-2 / 3-2		55-57: Lt Brown fine sand w/ some m coarse sand, saturated, poorly sorted, loose, SPlastic, friable? -slightly		LOI	55	


MACTEC
 511 Congress Street
 Portland, ME 04101

FIGURE 4-4
 SOIL BORING LOG
 NYSDC QUALITY ASSURANCE PROGRAM PLAN

Jan 31/11

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. MW-8D	Project No. 3612092134	
Client NYSDEC	Site TOWN of Oyster Bay, NY		Sheet No. 3 of 3	
Logged By B-Shaw	Ground Elevation 13.51'	Start Date 11-18-09	Finish Date 11-20-09	
Drilling Contractor Geologic, NY		Driller's Name Scott Breads	Rig Type CME 55	
Drilling Method HSA	Protection Level D	P.I.D. (eV) 10	Casing Size /	Auger Size ~8 1/4" OD
Soil Drilled T	Rock Drilled /	Total Depth 75'	Depth to Groundwater/Date 16.32 (GWR) (11/20/09)	Piez <input type="checkbox"/> Well <input checked="" type="checkbox"/> Boring <input type="checkbox"/>

S12 @
 1114
 S13
 @ 1137
 S14
 @ 1232
 S15
 @ 1308
 S16 @
 1324
 S17
 @ 1354

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
60	1.5 / 2.0	2-2		60-62: Lt Brown m. coarse sand, p.s., m dense, saturated, NP; 61-62: Lt greyish brown, fine sand, dense, saturated poorly sorted, SP, friable white damp.		0.1	60	
65	1.2 / 2.0	24-22		65-66: olive brown, m coarse sand, trace coarse sand, saturated, m dense, some broken sea shells; poorly sorted		0.3	62	* purple water from inside vials
70	0.0 / 2.0	25-25		66-67: DK olive/grey, m coarse sand, many sea shells; full and broken, saturated, well graded, NP, some Lt pink lenses;		0.6	65	pid: 8 ppm
75	1.8 / 2.0	5-5		69-70: DK olive fine to m coarse sand, saturated, loose, NP, poorly sorted; 70-71: dk grey clean fine sand w/ several thin (<0.1") silt lenses, saturated, SP, poorly sorted, m dense, silty lenses are mp, dk grey;		0.8	67	
71	1.4 / 2.0	7-7		71-73: DK grey fine sand, some silt lenses inter bedded, some dk brown wood fragments; poorly sorted, saturated, SP/mp @ silt lenses; m dense/silt (silt lenses).		0.1	NA	
73	1.5 / 2.0	10-10		73-75: DK grey/DK olive grey, fine sand, some m coarse/coarse sand, saturated, poorly sorted, NP/SP, → friable trace black silt @ ~74.5';		0.1	69'	
75		12-15				0.1	71'	
						0.1	73	
						0.1	75'	


MACTEC
 511 Congress Street
 Portland, ME 04101

FIGURE 4-4
 SOIL BORING LOG
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

↓ am 3/18/14

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. MW-9	Project No. 3612092134	
Client NYSDEC	Site Town of Oyster Bay, NY		Sheet No. 1 of 2	
Logged By B Shaw	Ground Elevation 11.09' AMSL	Start Date 11-17-04	Finish Date 11-17-09	
Drilling Contractor Geologic NY	Driller's Name Scott Breeds		Rig Type CME 55	
Drilling Method HSA	Protection Level 0	P.I.D. (eV) 10	Casing Size /	Auger Size ~ 8 7/8" OD
Soil Drilled 40'	Rock Drilled /	Total Depth 40'	Depth to Groundwater/Date ~ 8.7' bgs (11-17-04)	Piez <input type="checkbox"/> Well <input checked="" type="checkbox"/> Boring <input type="checkbox"/>

S1
P0820

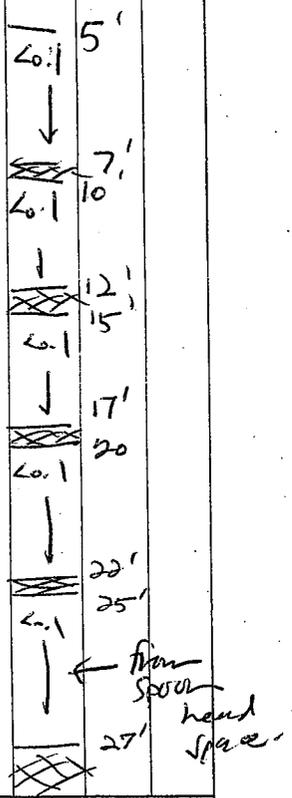
S2
P0825

S3
P0835

S4
P0845

S5
P0855

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
0				Boring is being installed in TOWN ROW in the grass; used in conjunction with DP-5; augering down to 5';				
5	0.9 / 20	4-4 5-3		5-7: Reddish brown to light orange brown, medium coarse to fine sand, poorly sorted, damp, loose, NP, trace coarse sand. $\sigma_v = 5.5'$				
10	0.1 / 2.0	4-5 6-7		10-12: pushed cobbles very little recovery; wet, medium coarse sand.				
15	0.6 / 2.0	5-5 6-7		15-17: Lt yellowish brown, coarse gr sand, trace fine gravel, fine sand to coarse sand, saturated, well graded; NP, medium dense, sand/gravel is well rounded/polished;				
20	0.7 / 2.0	5-7 6-7		20-22: Lt brown to Lt yellowish brown gravelly sand, fine sand to fine gravel, saturated, medium dense, NP, well rounded, much quartz;				
25	0.0 / 2.0	2-2 4-4		25-27: no recovery to speak of				
30				AS				



MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

Jerr 3/18/14

SOIL BORING LOG

Project Gents Uniform Rental Service		Boring/Well No. MW-9	Project No. 3612092134	
Client NYSDEC	Site Town of Oyster Bay, NY		Sheet No. 2 of 2	
Logged By B Shaw	Ground Elevation 11.09	Start Date 11-17-09	Finish Date 11-17-09	
Drilling Contractor Geologix, NY	Driller's Name Scott Breds		Rig Type CME 55	
Drilling Method HSA	Protection Level D	P.I.D. (eV) 18	Casing Size /	Auger Size
Soil Drilled 40'	Rock Drilled /	Total Depth 40'	Depth to Groundwater/Date 18.7' bgs (11-17-09)	Piez <input type="checkbox"/> Well <input checked="" type="checkbox"/> Boring <input type="checkbox"/>

56
 0920
 57
 0935

Depth (Feet)	Sample No. & Penetration/Recovery (Feet)	SPT Blows/6" or Core Rec./Rqd. %	SPT-N (Blows/Ft.)	Sample Description	USCS Group Symbol	Monitoring (ppm)		Lab Tests ID Sample
						PI Meter Field Scan	PI Meter Head Space	
30	0.9 / 2.0	2-2 3-3		30-32: Lt Brown m coarse sand, trace coarse sand, saturated, dense, NP, poorly sorted, trace fine sand, slight odor;		6.1	30'	
35	0.0 / 2.0	6-4 3-4		35-37: no recovery			32' 35'	
40				PTS			37'	

MACTEC
 511 Congress Street
 Portland, ME 04101

FIGURE 4-4
 SOIL BORING LOG
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

↓ cur 3/12/11

SOIL BORING LOG



MACTEC

511 Congress Street, Portland Maine, 04101

Project Name: Gent Uniform		Boring ID: MW-12
Project Location: Massapequa, New York		Page No. 1
Project No.: 3612092134	Client: NYSDEC	of: 2
Boring Location: Carman Blvd/Mannest	Refusal Depth: NA	Total Depth: 15' bgs
Weather: 30 F, Sunny	Soil Drilled: 15'	Method: Direct Push
Subcontractor: Aztech Technologies	P.I.D (eV): 10.6	Protection Level: D
Driller: Ray / John	Date Started: 01-05-2011	Date Completed: 01-05-2011
Rig Type/Model: 6610DT	Logged By: BAS	Checked By: KCM
Reference Elevation:	Water Level: 8.31' (01-06-11)	Time: 0835 (on 1/13/11)
		Bore Hole ID/OD: 3.25"
		Casing Size: 3.25"
		Sampler: Macrocore
		Sampler ID/OD: 2.25"
		Hammer Wt/Fall: -
		Hammer Type: -

Sample Information					Monitoring			Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	SPT Blows/6"	N Value	PID Field Scan	PID Headspace	Lab Tests Performed			
0.0			NA/NA	NA			NA	NA		
1					Lo. 1		pp =			0-1 dk brown silty loam with roots and ceramic fragments; well sorted ^{graded} damp, mf. (on 1/13/11)
2		5.0								1-3.5 reddish brown to olive brown silty sand with little fine gravel, damp, sp; well sorted, ^{graded} some roots; mfense. (on 1/13/11)
3		3.1								3.5-5 reddish brown m coarse to coarse sand, trace silt, ^{graded} poorly sorted, NP, damp. (on 1/13/11)
4										
5										
6		5.0			Lo. 1					5-9 lt brown to reddish brown fine to m coarse sand, little coarse sand, poorly sorted, damp to wet, mfense, NP. (on 1/13/11)
7		2.8			0.9		pp =			
8					Lo. 1		pp =			

NOTES: Poorly Sorted = Uniform BAS
 on 1/13/11

SOIL BORING LOG



511 Congress Street, Portland Maine 04101

Project Name:	Gent Uniform	Boring ID:	MW-12
Project Location:	Massapequa, New York	Page No.	2
Project No.:	3612092134	Client:	NYSDEC
Project No.:	3612092134	Client:	NYSDEC
Boring Location:	German Blvd / Avenue St.	Refusal Depth:	NA
Weather:	30 F, Sunny	Total Depth:	15' bgs
Subcontractor:	Aztech Technologies	Soil Drilled:	15'
Driller:	Ray / JHL	Method:	Direct Push
Rig Type/Model:	6616 DT	P.I.D (eV):	10.6
Reference Elevation:		Protection Level:	D
		Date Started:	01-05-2011
		Date Completed:	01-05-2011
		Logged By:	RJS
		Checked By:	RCM
		Water Level:	8.31' (01-06-11)
		Time:	0835 (Am 1/13/11)
		Sampler:	Macrocore
		Sampler ID/OD:	2.25"
		Hammer W/Fall:	-
		Hammer Type:	-

Sample Information				Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks		
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	SPT Blows/6"	N Value	PID Field Scan	PID Headspace	Lab Tests Performed				Lab Sample ID	
9			NA	NA			NA	NA	9-10. Reddish Brown, coarse sand with some coarse sand, wet, poorly sorted, NP, <u>gravel Rm 1/13/11</u>	SP		
10									10-15 Lt tan to Reddish Brown to Tan, Sand, medium to coarse with some gravel, fine to coarse well sorted, medium dense to loose, NP, wet/saturated <u>Rm 1/13/11</u>	SW		
11												
12												
13		5.0 2.6										
14												
15												
16												

NOTES:

SOIL BORING LOG



511 Congress Street, Portland Maine 04101

Project Name: Gent Uniform	Boring ID: MW-13
Project Location: Massapequa, New York	Page No. 1
Project No.: 3612092134 Client: NYSDEC	of: 2
Boring Location: Spruce St / Carman	Refusal Depth: NA Total Depth: 15' bgs
Weather: 35° F Sunny	Soil Drilled: 15' Method: Direct Push Bore Hole ID/OD: 3.25"
Subcontractor: Aztech Technologies	P.I.D (eV): 10.6 Protection Level: D Sampler: Macrocore
Driller: Roy / John	Date Started: 01-05-2011 Date Completed: 01-05-2011 Sampler ID/OD: 2.25"
Rig Type/Model: 6610 DT	Logged By: BJS Checked By: RCM Hammer Wt/Fall: -
Reference Elevation:	Water Level: 8.03' (01-06-11) Time: 0845 (AM 1/13/11) Hammer Type: -

Sample Information				Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/ Recovery (feet)	SPT Blows/6"	N Value	PID Field Scan	PID Headspace	Lab Tests Performed			
0.0			NA	NA			NA	NA		
1					< 0.1		pph		0-2 Brown to reddish brown silty clay, damp, poorly sorted, sp	fill
2									2-3 Brown silty sand, poorly sorted, mp, wet, M ST, ft,	
3		5.0							3-5 Reddish Brown medium coarse sand with some fine sand, poorly sorted,	SM
4		3.0							medium to coarse, damp, NP.	sp.
5										
6									5-8 Same as 3-5.	sp.
7		4.0								
8										

NOTES:

Poorly Sorted = Uniform
RM 1/13/11

BJS

SOIL BORING LOG



511 Congress Street, Portland Maine 04101

Project Name:	Gent Uniform	Boring ID:	MW-13
Project Location:	Massapequa, New York	Page No.	2
Project No.:	3612092134	Client:	NYSDEC
Boring Location:	Spray St / Carman Blvd	Refusal Depth:	NA
Weather:	35-F, sunny	Total Depth:	15' bgs
Subcontractor:	Aztech Technologies	Soil Drilled:	15'
Driller:	Ray / John	Method:	Direct Push
Rig Type/Model:	6616 DT	P.I.D (eV):	10.6
Reference Elevation:		Protection Level:	D
		Date Started:	01-05-2011
		Date Completed:	01-05-11
		Logged By:	RAE
		Checked By:	RCM
		Water Level:	8.03' (01-06-11) Time: 0845 (AM 1/13/11)
		Sampler:	Macrocore
		Sampler ID/OD:	2.25"
		Hammer Wt/Fall:	—
		Hammer Type:	—

Sample Information					Monitoring			Sample Description and Classification	USCS Group Symbol	Remarks		
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	SPT Blows/6"	N Value	PID Field Scan	PID Headspace	Lab Tests Performed				Lab Sample ID	
8-10			NA	NA			NA	NA		8-10. Lt Brown to reddish brown medium to coarse sand, poorly sorted, wet, loose to medium dense, NP. (AM 1/13/11) (RCM 1/13/11)	SP	
10-15										10-15 Brown to Lt Brown coarse sand with some fine gravel and medium sand, poorly sorted, wet/saturated, NP, medium dense to loose. (AM 1/13/11)	SP	
12		5.0				0.4						
13		3.5										
14						0.1						
15						0.4						
BA												

NOTES:

SOIL BORING LOG



511 Congress Street, Portland Maine 04101

Project Name: Gent Uniform	Boring ID: MW-14
Project Location: Massapequa, New York	Page No. 1
Project No.: 3612092134 Client: NYSDEC	of: 3
Boring Location: Roosevelt Blvd / Monhegan St	Refusal Depth: NA Total Depth: ~25' bgs
Weather: 38°F, Sunny	Soil Drilled: 10' Method: Direct Push
Subcontractor: Aztech Technologies	P.I.D (eV): 10.6 Protection Level: D
Driller: Ray / John	Date Started: 01-05-2011 Date Completed: 01-05-2011
Rig Type/Model: 6610 DT	Logged By: BAE Checked By: RCM
Reference Elevation:	Water Level: 2.26 (01-06-11) Time: 0955 (AM 1/13/11)
	Sampler: Macrocore
	Sampler ID/OD: 2.25"
	Hammer Wt/Fall: -
	Hammer Type: -

Sample Information					Monitoring			Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	SPT Blows/6"	N Value	PID Field Scan	PID Headspace	Lab Tests Performed			
0.0			NA/NA	NA/NA			NA/NA			
1					0.1 ppm				0-2 DK brown loamy silty sand; poorly sorted, SP, wet, MP ^{grained (AM 1/13/11)} _(AM 1/13/11)	Fill
2		5.0 / 2.4			0.4 ppm				2-3 DK olive silty sand, poorly sorted, NP/SP, dry, MP ^{grained (AM 1/13/11)} _(AM 1/13/11)	
3					0.8 ppm				3-4.2 Tan/yellowish brown coarse sand, poorly sorted, SP NP, MP ^{grained (AM 1/13/11)} _(AM 1/13/11)	Sp.
4					0.6 ppm				4.2-5 Olive peat/rocks/silty organic material, poorly sorted, MP, wet, soft ^{grained (AM 1/13/11)} _(AM 1/13/11)	
5					0.1 ppm					Pt
6		5.0			Lo. 1 ppm				5-6 Same as 4.2-5	Pt
7		3.8							6-7 DK brown sandy silt with many roots, wet/saturated, well sorted MP, soft ^{grained (AM 1/13/11)} _(AM 1/13/11)	SM
8									7-10 Lt greyish brown medium to coarse sand, poorly sorted NP, MP ^{grained (AM 1/13/11)} _(AM 1/13/11) wet	Sp

NOTES: Poorly sorted = uniform
 9 (AM 1/13/11)

BAE

SOIL BORING LOG



511 Congress Street, Portland Maine 04101

Project Name: Gent Uniform	Boring ID: MW-155
Project Location: Massapequa, New York	Page No. 1
Project No.: 3612092134 Client: NYSDEC	of: 3
Boring Location: Lookout Blvd	Refusal Depth: NA Total Depth: ~25' bgs
Weather: 32°F, Cloudy	Soil Drilled: ~25' Method: Direct Push
Subcontractor: Aztech Technologies	P.I.D (eV): 10.6 Protection Level: D
Driller: Ray / John	Date Started: 01-04-2011 Date Completed: 01-04-11
Rig Type/Model: 66/ODT	Logged By: RAS Checked By: RCM
Reference Elevation:	Water Level: ~3.4 Tol. (1-5-11) Time: 1430 on 1/13/11
	Sampler: Macrocore
	Sampler ID/OD: 2.25"
	Hammer Wt/Fall: -
	Hammer Type: -

Sample Information				Monitoring				Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	SPT Blows/6" N Value	PID Field Scan	PID Headpace	Lab Tests Performed	Lab Sample ID			
0.0			NA/NA			NA/NA				
1				0.6 pph =				0-1 olive brown silty loam, damp, mp some gravel, well sorted, some gravel, m denser ^{gravel} (RM 1/13/11)	Fill	
2				0.1 pph =				1-2 Reddish Brown sandy gravel, damp, mp, poorly sorted (RM 1/13/11)		
3		5.0 / 3.8		6.8 pph =				2-4.5 yellowish brown to light tan m coarse to coarse sand, damp to moist, slight odor, poorly sorted (RM 1/13/11)	SP	
4				11.8 pph =				mp, solvent-like odor		
				15.9 pph =				4.5-5 very dark brown silty organics roots and leaf debris, mp, slight organic odor, soft, damp		
				14.3 pph =				to refs, poorly sorted (RM 1/13/11)	PT	
5				0.1 pph =						
6				0.1 pph =				5-6.5 same as 4.5-5		
7		5.0 / 3.6		0.1 pph =				6.5-8.5 olive to light olive silty sand with fine gravel; some roots, net, mp, poorly sorted; soft to mp ^{gravel} (RM 1/13/11)	PT	
8				0.3 pph =						

NOTES: Poorly sorted = un. for on 1/13/11

RAS

SOIL BORING LOG



511 Congress Street, Portland Maine 04101

Project Name: Gent Uniform	Boring ID: MW-155
Project Location: Massapequa, New York	Page No. 2
Project No.: 3612092134 Client: NYSDEC	of: 3
Boring Location: Roosevelt Blvd.	Refusal Depth: N/A. Total Depth: -25' bgs
Weather: 32°F, cloudy	Soil Drilled: -25' Method: Direct Push
Subcontractor: Aztech Technologies	P.I.D (eV): 10.6 Protection Level: D
Driller: Ray / John	Date Started: 01-04-2011 Date Completed: 01-04-11
Rig Type/Model: 6610DT	Logged By: BAS Checked By: RCM
Reference Elevation:	Water Level: 3.4 BR (1-5-11) Time: 1430 (1/13/11)
	Sampler: Macrocore
	Sampler ID/OD: 2.25"
	Hammer Wt/Fall: -
	Hammer Type: -

Sample Information					Monitoring			Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	SPT Blows/6"	N Value	PID Field Scan	PID Headspace	Lab Tests Performed			
8			NA	NA			NA	NA		
8.5 - 10					0.1 ppm				SM	8.5-10. Lt Brown m. coarse sand, some coarse sand, poorly graded wet to saturated , NP/SP, medium (Am 1/13/11) (Am 1/10/11)
9									SP	
10					0.8 ppm					
10 - 12.5					0.2 ppm				SP	10-12.5 Lt olive brown sand with some well rounded fine gravel; well sorted, wet/saturated, NP; medium (Am 1/13/11) (Am 1/13/11)
11									SW	
12		5.0							SW	
13		4.9							SW	
14					1.1 ppm					
15					0.6 ppm					
16									SP	SP

NOTES:

SOIL BORING LOG



511 Congress Street, Portland Maine 04101

Project Name: Gent Uniform		Boring ID: MW-155
Project Location: Massapequa, New York		Page No. 3
Project No.: 3612092134	Client: NYSDEC	of: 5
Boring Location: Roosevelt Blvd.	Refusal Depth: NA	Total Depth: ~25' bgs
Weather: 32°F, cloudy	Soil Drilled: ~25'	Method: Direct Push
Subcontractor: Aztech Technologies	P.I.D (eV): 10.6	Protection Level: D
Driller: Ray J. Smith	Date Started: 01-04-2011	Date Completed: 01-04-11
Rig Type/Model: G610DT	Logged By: RJ	Checked By: RCM
Reference Elevation:	Water Level: 3.4' TWL (1-5-11)	Time: 1430 (AM 1/3/11)

Sample Information					Monitoring			Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	SPT Blows/6"	N Value	PID Field Scan	PID Headspace	Lab Tests Performed			
0.0			NA	NA			NA	NA		
17		5.0			Lo-1		pp=			15-17 Lt tan/brown fine to coarse sand; poorly sorted, mdense, NP, wet/saturated
18		48								17-19 Lt reddish brown/yellowish brown, coarse sand, some fine to fine gravel, well sorted, wet/saturated, mdense, NP
19										19-20 Lt olive fine sand, some gravel, mdense, poorly sorted, NP, wet/saturated
20										
21					Lo-1					20-23 Lt brown gravelly sand, poorly graded, NP, mdense, wet/saturated
22		5.0								23-25 yellowish brown coarse sand with little fine, rounded gravel, wet/saturated, poorly sorted, NP, mdense
23		5.0								
24					Lo-1		pp=			

NOTES: 25.

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

SOIL BORING LOG



511 Congress Street, Portland Maine 04101

Project Name: Gent Uniform		Boring ID: MW-16
Project Location: Massapequa, New York		Page No. 1
Project No.: 3612092134	Client: NYSDEC	of: 3
Boring Location: DP-23 (Roosevelt Blvd)	Refusal Depth: NA	Total Depth: ~25' ²⁸
Weather: 35°F, cloudy	Soil Drilled: ~25'	Method: Direct Push
Subcontractor: Aztech Technologies	P.I.D (eV): 10.6	Protection Level: D
Driller: Ray / John	Date Started: 01-04-2011	Date Completed: 01-04-2011
Rig Type/Model: 6610 DT	Logged By: RAS	Checked By: RCM
Reference Elevation:	Water Level: 2.99 BT02/1-6-11	Time: 0920 (1/13/11)
		Sampler: Macrocore
		Sampler ID/OD: 2.25"
		Hammer Wt/Fall: —
		Hammer Type: —

Sample Information					Monitoring			Sample Description and Classification	USCS Group Symbol	Remarks
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	SPT Blows/6"	N Value	PID Field Scan	PID Headspace	Lab Tests Performed			
0.0										
1										0-1.5 DK brown silty loam with grass and roots; damp to frozen; some fine gravel, MP, poorly sorted (see 1/13/11)
2		5.0								1.5-3.5 Lt Brown to Brownish Red to Lt Brown silt, macro sand, poorly sorted, damp, MP, (see 1/13/11)
3		2.7								3.5-5 DK olive silty peat-like material, sticks/leaf debris, high organic odor, MP, damp to moist
4										
5										
6										5-6.5 same as 3.5-5;
7		5.0								6.5-8.5 olive brown silty sand w/ some gravel and organic material, wet, well graded, (see 1/13/11) SP.
8		5.0								

NOTES: Poorly sorted = N-value An 1/13/11

BT-

SOIL BORING LOG



511 Congress Street, Portland Maine 04101

Project Name: Gent Uniform	Boring ID: MW-16
Project Location: Massapequa, New York	Page No. 2
Project No.: 3612092134 Client: NYSDEC	of: 3
Boring Location: DP-23 (Roosevelt Blvd)	Refusal Depth: NA Total Depth: 25' bgs
Weather: 35 F, cloudy	Soil Drilled: 25' Method: Direct Push
Subcontractor: Aztech Technologies	P.I.D (eV): 10.6 Protection Level: D
Driller: Ray / John	Date Started: 01-04-2011 Date Completed: 01-04-11
Rig Type/Model: 6610 PT	Logged By: JAS Checked By: RCM
Reference Elevation:	Water Level: 2.94' TOR (1-6-11) Time: 0920 Am 1/13/11

Sample Information				Monitoring			Sample Description and Classification	USCS Group Symbol	Remarks												
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	SPT Blows/6"	N Value	PID Field Scan	PID Headspace				Lab Tests Performed	Lab Sample ID										
8.0			NA	NA			NA	NA													
9					1.000														7.5-10 Lt Brown to Lt Olive brown medium coarse sand, some gravel, some gravel lenses @ 9' and 9.5' bgs, well graded, wet, NP, medium dense <u>Am 1/13/11</u>	SW GW	
10																					
11					1.000														10-11 Olive/Olive Brown, medium coarse sand, wet, poorly sorted, NP, medium dense <u>Am 1/13/11</u>	SP	
12																			11-13 Lt Brown sandy fine gravel, well sorted, wet, medium dense to dense <u>Am 1/13/11</u> , NP,	GW	
13		5.0																	13-15 Lt Reddish Brown medium coarse sand with little fine gravel, wet, well graded, NP, medium dense to loose <u>Am 1/13/11</u>	SW	
14		5.0																			
15																					
16																					

NOTES:

FIGURE 4-4
SOIL BORING LOG
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

SOIL BORING LOG



511 Congress Street, Portland Maine 04101

Project Name: Gent Uniform	Boring ID: MW-16
Project Location: Massapequa, New York	Page No. 3
Project No.: 3612092134 Client: NYSDEC	of: 3
Boring Location: DP-23 (Roosevelt Blvd)	Refusal Depth: NA Total Depth: ~25' bps
Weather: 35°F, cloudy	Soil Drilled: 25' Method: Direct Push
Subcontractor: Aztech Technologies	P.I.D (eV): 10.6 Protection Level: D
Driller: Ray L. John	Date Started: 01-04-2011 Date Completed: 01-04-11
Rig Type/Model: 6610DT	Logged By: BAS Checked By: RCM
Reference Elevation:	Water Level: 2.99' TOR (1-6-11) Time: 0920 AM 1/13/11

Sample Information					Monitoring			Sample Description and Classification	USCS Group Symbol	Remarks	
Depth (feet bgs)	Sample Number	Penetration/Recovery (feet)	SPT Blows/6"	N Value	PID Field Scan	PID Headspace	Lab Tests Performed				Lab Sample ID
16.0			NA	NA			NA	NA	16-17.5 Lt Brown m coarse sand, poorly sorted, damp, Dense, NP, ^{grinded} (Am 1/13/11)	SP	
17		5.0			↓ 20.1 ↓			17.5-20 Lt tan to Lt Brown coarse sand, poorly sorted, wet, NP, m Dense to loose (Am 1/13/11)			SP
18		5.0									
19											
20											
21									20-25 Lt olive brown to Lt brown m coarse sand with trace coarse sand/fine gravel, NP, m Dense, wet/saturated, poorly sorted. (Am 1/13/11)	SP	
22		5.0									
23		5.0									
24											

NOTES:

25

↙ BAS

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT NAME: Gent Uniform TASK NO: 04.01 DATE: 1-14-2011
 PROJECT NUMBER: 3612092134-04.01 MACTEC CREW: 1
 PROJECT LOCATION: Massapequa, New York SAMPLER NAME: Brandon Shaw
 WEATHER CONDITIONS (AM): 30°F, cloudy SAMPLER SIGNATURE: [Signature]
 WEATHER CONDITIONS (PM): 33°F, dark CHECKED BY: RCM DATE: 1/12/10

MULTI-PARAMETER WATER QUALITY METER

		AM CALIBRATION			POST CALIBRATION CHECK		
METER TYPE	YSI	Start Time	/End Time		Start Time	/End Time	
MODEL NO.	556 MPS	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
UNIT ID NO.	MACTEC 134	Units					
	pH (4)	SU	4.0				+/- 0.1 pH Units
	pH (7)	SU	7.0		7.0		+/- 0.3 pH Units
	pH (10)	SU	10.0				+/- 0.1 pH Units
	Redox	+/- mV	240		240		+/- 10 mV
	Conductivity	mS/cm	1.413		1.413		+/- 5% of standard
	DO (saturated)	%	100				+/- 2% of standard
	DO (saturated)	mg/L ¹ (see Chart 1)					+/- 0.2 mg/L
	DO (<0.1)	mg/L	<0.1				< 0.5 mg/L
	Temperature	°C					
	Baro. Press.	mmHg					

		Units	Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)
METER TYPE	Hach						
MODEL NO.	2100P						
UNIT ID NO.	Pine 11635	<0.1 Standard	NTU	<0.1	<0.1		+/- 0.3 NTU of stan.
		20 Standard	NTU	20	20		+/- 5% of standard
		100 Standard	NTU	100	100		+/- 5% of standard
		800 Standard	NTU	800	800		+/- 5% of standard

		Background	ppmv	<0.1	<0.1	0.3	within 5 ppmv of BG
METER TYPE	Thermo						
MODEL NO.	OVM 580B						
UNIT ID NO.	NYSDEC 1	Span Gas	ppmv	100	100	100	+/- 10% of standard

		Methane	%	50	50		+/- 10% of standard
METER TYPE							
MODEL NO.		O ₂	%	20.9	20.9		+/- 10% of standard
UNIT ID NO.		H ₂ S	ppmv	25	25		+/- 10% of standard
		CO	ppmv	50	50		+/- 10% of standard

						See Notes Below for Additional Information
METER TYPE						
MODEL NO.						
UNIT ID NO.						

Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.
 Equipment (not) calibrated within the Acceptance Criteria specified for each of the parameters listed above**.

MATERIALS RECORD

		Cal. Standard Lot Number	Exp. Date
Deionized Water Source:	Portland FOS	pH (4) 2604143	2-12
Lot#/Date Produced:		pH (7) 2003215	2-12
Trip Blank Source:		pH (10) NA	NA
Sample Preservatives Source:		ORP 2282	3-15
Disposable Filter Type:	0.45µm cellulose	Conductivity 20010950	6-11
Calibration Fluids / Standard Source:		<0.1 Turb. Stan. 24347	03-11
- DO Calibration Fluid (<0.1 mg/L)	Portland FOS	20 Turb. Stan. 24347	03-11
- Other		100 Turb. Stan. 24347	03-11
- Other		800 Turb. Stan. 24347	03-11
- Other		PID Span Gas LTH310-JB-CM	08/13
- Other		O ₂ -LEL Span Gas NA	NA
		Other NA	NA

NOTES:

* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additional acceptance criteria obtained from instrument specific manufacturer recommendations.
 ** = If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.
 1 = DO Saturated standard value is calculated based on Oxygen Solubility at Indicated Pressure Chart from the USEPA Region 1 SOP for Field Instrument Calibration (EQASOP-FieldCalibrat), dated 1/19/2010.



FIGURE 6-1
 FIELD INSTRUMENT CALIBRATION RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT NAME: Gen Uniform
 PROJECT NUMBER: 3612092134-04.01
 PROJECT LOCATION: Massapequa, New York
 WEATHER CONDITIONS (AM): 30°F Sunny
 WEATHER CONDITIONS (PM): 31°F Damp

TASK NO: 4.01 DATE: 0-05-2011
 MACTEC CREW: 1
 SAMPLER NAME: Brandon Shaw
 SAMPLER SIGNATURE: [Signature]
 CHECKED BY: RCM DATE: 1/12/11

MULTI-PARAMETER WATER QUALITY METER

METER TYPE: YSI
 MODEL NO.: 556 MPS
 UNIT ID NO.: MACTEC 134

AM CALIBRATION
 Start Time 12:15 / End Time 12:35

POST CALIBRATION CHECK
 Start Time 18:05 / End Time 18:25

Units	Standard Value	Meter Value	*Acceptance Criteria (AM)
pH (4) SU	4.0	<u>4.00</u>	+/- 0.1 pH Units
pH (7) SU	7.0	<u>7.00</u>	+/- 0.1 pH Units
pH (10) SU	10.0	<u>—</u>	+/- 0.1 pH Units
Redox +/- mV	240	<u>239.2</u>	+/- 10 mV
Conductivity mS/cm	1.413	<u>1.414</u>	+/- 0.5 % of standard
DO (saturated) %	100	<u>98.7</u>	+/- 2% of standard
DO (saturated) mg/L ¹ (see Chart 1)	<u>9.3</u>	<u>9.31</u>	+/- 0.2 mg/L
DO (<0.1) mg/L	<0.1	<u>—</u>	< 0.5 mg/L
Temperature °C		<u>17.54</u>	
Baro. Press. mmHg		<u>752.6</u>	

Standard Value	Meter Value	*Acceptance Criteria (PM)
4.0	<u>4.07</u>	+/- 0.3 pH Units
7.0	<u>7.00</u>	+/- 0.3 pH Units
240	<u>242.1</u>	+/- 10 mV
1.413	<u>1.256</u>	+/- 5% of standard
<u>9.3</u>	<u>9.61</u>	+/- 0.5 mg/L of standard
	<u>18.22</u>	
	<u>752.1</u>	

TURBIDITY METER

METER TYPE: Hach
 MODEL NO.: 2100P
 UNIT ID NO.: Pine 11635

Units	Standard Value	Meter Value
<0.1 Standard NTU	<0.1	<u>0.11</u>
20 Standard NTU	20	<u>20.2</u>
100 Standard NTU	100	<u>101</u>
800 Standard NTU	800	<u>793</u>

Standard Value	Meter Value	*Acceptance Criteria (PM)
<0.1	<u>0.14</u>	+/- 0.3 NTU of stan.
20	<u>20.1</u>	+/- 5% of standard
100	<u>103</u>	+/- 5% of standard
800	<u>784</u>	+/- 5% of standard

PHOTOIONIZATION DETECTOR

METER TYPE: Thermo
 MODEL NO.: OVM 580B
 UNIT ID NO.: NYSDEC 1

Background	ppmv	<0.1
		<u>0.2</u>
Span Gas	ppmv	100
		<u>100.2</u>

Background	ppmv	<0.1
		<u>0.1</u>
Span Gas	ppmv	100
		<u>100.6</u>

O₂-LEL 4 GAS METER

METER TYPE: _____
 MODEL NO.: _____
 UNIT ID NO.: _____

Methane %	50
O ₂ %	20.9
H ₂ S ppmv	25
CO ppmv	50

50	20.9	25	50

OTHER METER

METER TYPE: _____
 MODEL NO.: _____
 UNIT ID NO.: _____

See Notes Below
for Additional
Information

Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.
 Equipment (not) calibrated within the Acceptance Criteria specified for each of the parameters listed above**.

MATERIALS RECORD

Deionized Water Source: Portland FOS
 Lot#/Date Produced: _____
 Trip Blank Source: _____
 Sample Preservatives Source: _____
 Disposable Filter Type: 0.45µm cellulose
 Calibration Fluids / Standard Source:
 - DO Calibration Fluid (<0.1 mg/L) Portland FOS
 - Other _____
 - Other _____
 - Other _____

	Cal. Standard Lot Number	Exp. Date
pH (4)	2604143	2-12
pH (7)	2003215	2-12
pH (10)	NA	NA
ORP	2282	3-15
Conductivity	20010950	6-11
<0.1 Turb. Stan.	24347	03-11
20 Turb. Stan.	24347	03-11
100 Turb. Stan.	24347	03-11
800 Turb. Stan.	24347	03-11
PID Span Gas	LTH310-JB-CM	08/13
O ₂ -LEL Span Gas	NA	NA
Other	NA	NA

NOTES: * Specific Cond. DID not fall within the Acceptance Criteria during the PM Calibration check 2.5%

* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additional acceptance criteria obtained from instrument specific manufacturer recommendations.
 ** = If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.
 1 = DO Saturated standard value is calculated based on Oxygen Solubility at Indicated Pressure Chart from the USEPA Region 1 SOP for Field Instrument Calibration (EQASOP-FieldCalibrat), dated 1/19/2010.



FIGURE 6-1
 FIELD INSTRUMENT CALIBRATION RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT NAME: Gen Uniform TASK NO: 04.01 DATE: 01-06-2011
 PROJECT NUMBER: 3612092134-04.01 MACTEC CREW: 1
 PROJECT LOCATION: Massapequa, New York SAMPLER NAME: Brandon Shaw
 WEATHER CONDITIONS (AM): 25°F, Cloudy SAMPLER SIGNATURE: [Signature]
 WEATHER CONDITIONS (PM): 31°F, Partly CHECKED BY: ACM DATE: 1/12/11

MULTI-PARAMETER WATER QUALITY METER

METER TYPE YSI
 MODEL NO. 556 MPS
 UNIT ID NO. MACTEC 134

AM CALIBRATION
 Start Time 0620 / End Time 0650

POST-CALIBRATION CHECK
 Start Time 061820 / End Time 1845

Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
pH (4) SU	4.0	<u>4.06</u>	+/- 0.1 pH Units	4.0	<u>3.97</u>	+/- 0.3 pH Units
pH (7) SU	7.0	<u>7.06</u>	+/- 0.1 pH Units	7.0	<u>7.06</u>	+/- 0.3 pH Units
pH (10) SU	10.0	<u>—</u>	+/- 0.1 pH Units			
Redox +/- mV	240	<u>246.1</u>	+/- 10 mV	240	<u>246.3</u>	+/- 10 mV
Conductivity mS/cm	1.413	<u>1.413</u>	+/- 0.5 % of standard	1.413	<u>1.476</u>	+/- 5% of standard
DO (saturated) %	100	<u>98.9</u>	+/- 2% of standard			
DO (saturated) mg/L ¹ (see Chart 1)	<u>9.3</u>	<u>9.21</u>	+/- 0.2 mg/L	<u>9.7</u>	<u>101.77</u> <u>9.82</u>	+/- 0.5 mg/L of standard
DO (<0.1) mg/L	<0.1	<u>—</u>	< 0.5 mg/L			
Temperature °C		<u>18.05</u>			<u>15.74</u>	
Baro. Press. mmHg		<u>750.4</u>			<u>751.9</u>	

TURBIDITY METER

METER TYPE Hach
 MODEL NO. 2100P
 UNIT ID NO. Pine 11635

Units	Standard Value	Meter Value	*Acceptance Criteria (PM)
<0.1 Standard NTU	<0.1	<u>0.12</u>	+/- 0.3 NTU of stan.
20 Standard NTU	20	<u>20.3</u>	+/- 5% of standard
100 Standard NTU	100	<u>102</u>	+/- 5% of standard
800 Standard NTU	800	<u>804</u>	+/- 5% of standard

PHOTOIONIZATION DETECTOR

METER TYPE Thermo
 MODEL NO. OVM 580B
 UNIT ID NO. NYSDEC 1

Background	ppmv	<0.1	within 5 ppmv of BG
Span Gas	ppmv	100	+/- 10% of standard

O₂-LEL 4 GAS METER

METER TYPE _____
 MODEL NO. _____
 UNIT ID NO. _____

Methane %	50	+/- 10% of standard
O ₂ %	20.9	+/- 10% of standard
H ₂ S ppmv	25	+/- 10% of standard
CO ppmv	50	+/- 10% of standard

OTHER METER

METER TYPE _____
 MODEL NO. _____
 UNIT ID NO. _____

See Notes Below for Additional Information

- Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.
 Equipment (not) calibrated within the Acceptance Criteria specified for each of the parameters listed above**.

MATERIALS RECORD

Deionized Water Source: Portland FOS
 Lot#/Date Produced: _____
 Trip Blank Source: _____
 Sample Preservatives Source: _____
 Disposable Filter Type: 0.45µm cellulose
 Calibration Fluids / Standard Source:
 - DO Calibration Fluid (<0.1 mg/L) Portland FOS
 - Other _____
 - Other _____
 - Other _____

	Cal. Standard Lot Number	Exp. Date
pH (4)	2604143	2-12
pH (7)	2003215	2-12
pH (10)	NA	NA
ORP	2282	3-15
Conductivity	20010950	6-11
<0.1 Turb. Stan.	24347	03-11
20 Turb. Stan.	24347	03-11
100 Turb. Stan.	24347	03-11
800 Turb. Stan.	24347	03-11
PID Span Gas	LTH310-JB-CM	08/13
O ₂ -LEL Span Gas	NA	NA
Other	NA	NA

NOTES:

* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additional acceptance criteria obtained from instrument specific manufacturer recommendations.
 ** = If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.
 1 = DO Saturated standard value is calculated based on Oxygen Solubility at Indicated Pressure Chart from the USEPA Region 1 SOP for Field Instrument Calibration (EQASOP-FieldCalibrat), dated 1/19/2010.



511 Congress Street, Portland Maine 04101

FIGURE 6-1
 FIELD INSTRUMENT CALIBRATION RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

APPENDIX E-3

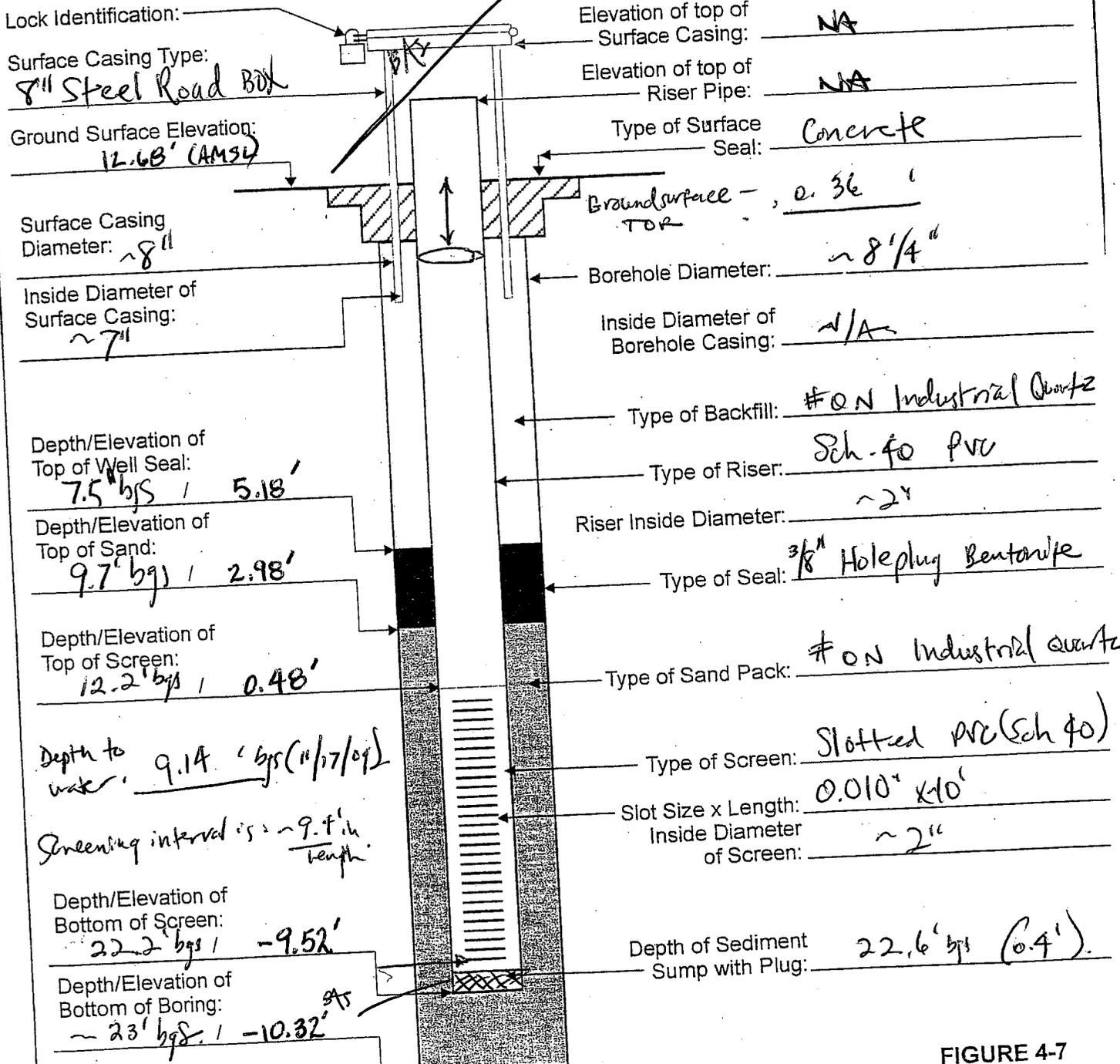
MONITORING WELL CONSTRUCTION DIAGRAMS

Overburden Well Construction Diagram

Well No.: NW-6

Project No.: <u>3612092134</u>	Project Name: <u>Gents Uniform Rental Service</u>
Contractor: <u>Geologic, NY</u>	Project Area: <u>Town of Oyster Bay, Nassau, NY</u>
Driller: <u>Scott Breeds</u>	Method: <u>HSA (8 1/4" dia)</u>
Logged By: <u>B. Shaw</u>	Date Started: <u>11-16-09</u> Completed: <u>11-16-09</u>
Checked By: <u>CM</u>	Date: <u>3/18/11</u> Well Development Date: <u>12-04-09</u>

Not To Scale



MACTEC

511 Congress Street
Portland, ME 04101

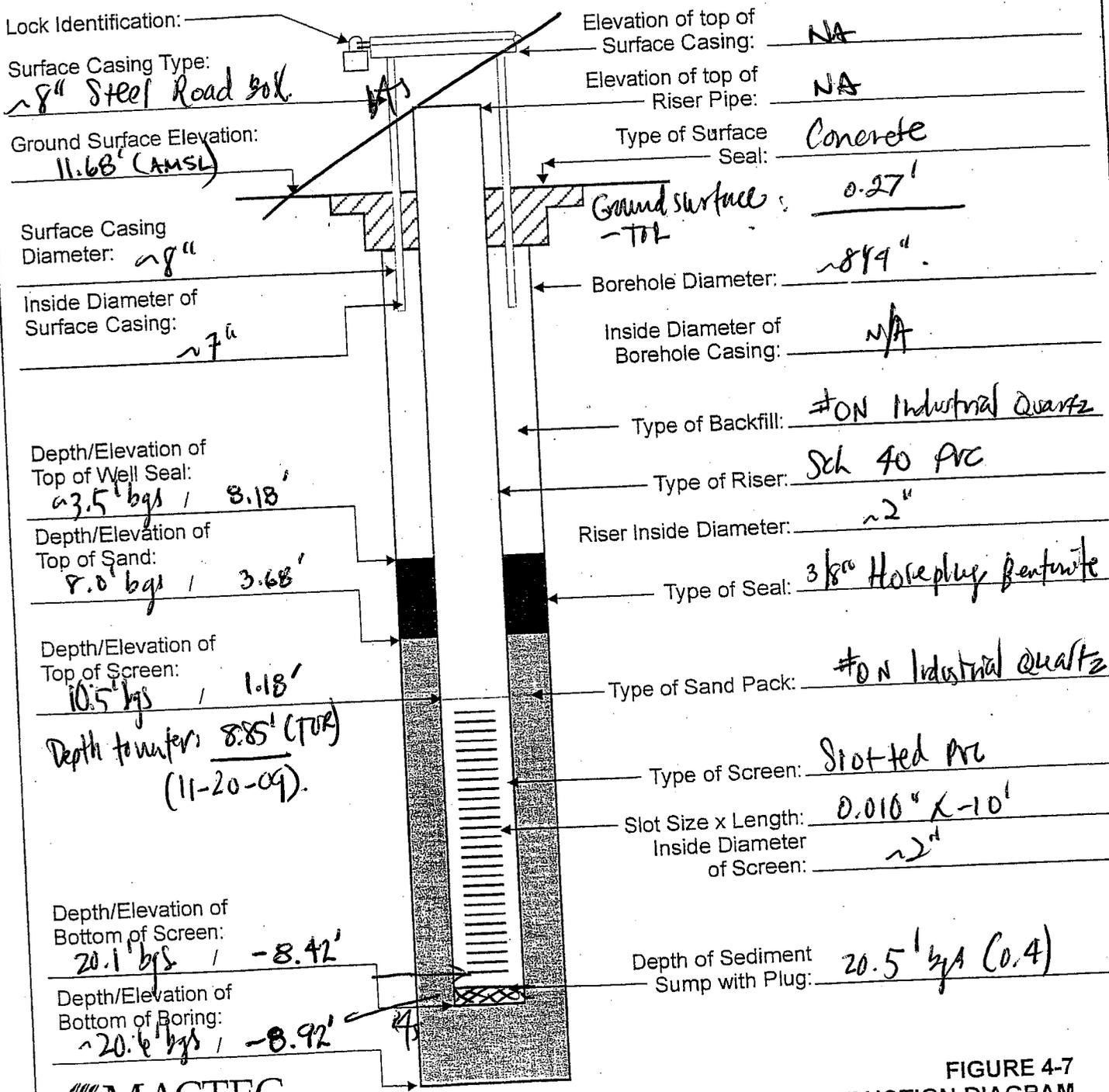
FIGURE 4-7
OVERBURDEN MONITORING WELL CONSTRUCTION DIAGRAM
NYSDEC QUALITY ASSURANCE PROJECT PLAN

Overburden Well Construction Diagram

Well No.: nw-7

Project No.: <u>3612092134</u>	Project Name: <u>Gents Uniform Rental Service</u>	
	Project Area: <u>Town of Oyster Bay, NY</u>	
Contractor: <u>Geologic, NY</u>	Driller: <u>Scott Breeds</u>	Method: <u>HSA</u>
Logged By: <u>B. Shaw</u>	Date Started: <u>11-19-09</u>	Completed: <u>11-19-09</u>
Checked By: <u>cm</u>	Date: <u>3/18/11</u>	Well Development Date: <u>12-04-09</u>

Not To Scale



MACTEC
511 Congress Street
Portland, ME 04101

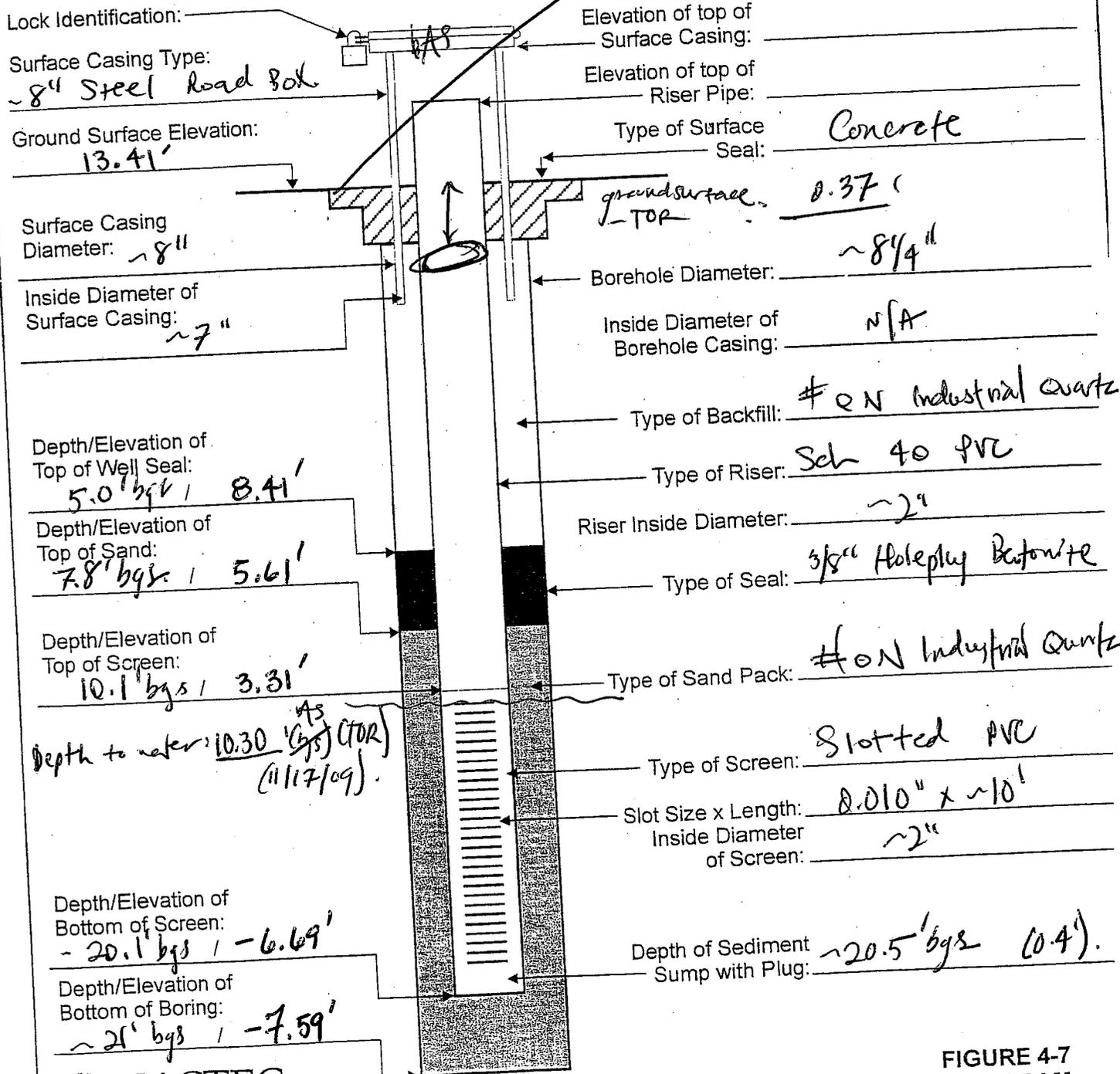
FIGURE 4-7
OVERBURDEN MONITORING WELL CONSTRUCTION DIAGRAM
NYSDEC QUALITY ASSURANCE PROJECT PLAN

Overburden Well Construction Diagram

Well No.: MW-8(5)

Project No.: 3612092134	Project Name: Gents uniform Rental Service	
Contractor: Geologic NY	Driller: Scott Breeds	Method: HSA (8 1/4" OD)
Logged By: B. Shaw	Date Started: 11-17-09	Completed: 11-17-09
Checked By: CUL	Date: 3/18/11	Well Development Date: 12-03-09

Not To Scale



Lock Identification: _____

Surface Casing Type: 8" Steel road box

Ground Surface Elevation: 13.41'

Surface Casing Diameter: 8"

Inside Diameter of Surface Casing: 7"

Depth/Elevation of Top of Well Seal: 5.0' bgs / 8.41'

Depth/Elevation of Top of Sand: 7.8' bgs / 5.61'

Depth/Elevation of Top of Screen: 10.1' bgs / 3.31'

Depth to water: 10.30' (bgs) (TOR) (11/17/09)

Depth/Elevation of Bottom of Screen: 20.1' bgs / -6.69'

Depth/Elevation of Bottom of Boring: 21' bgs / -7.59'

Elevation of top of Surface Casing: _____

Elevation of top of Riser Pipe: _____

Type of Surface Seal: Concrete

Ground Surface - TOP: 0.37'

Borehole Diameter: 8 1/4"

Inside Diameter of Borehole Casing: N/A

Type of Backfill: #20 Industrial quartz

Type of Riser: Sch 40 PVC

Riser Inside Diameter: 2"

Type of Seal: 3/8" Hole plug Bentonite

Type of Sand Pack: #20 Industrial quartz

Type of Screen: Slotted PVC

Slot Size x Length: 0.010" x ~10'

Inside Diameter of Screen: 2"

Depth of Sediment Sump with Plug: 20.5' bgs (0.4')

MACTEC

511 Congress Street
Portland, ME 04101

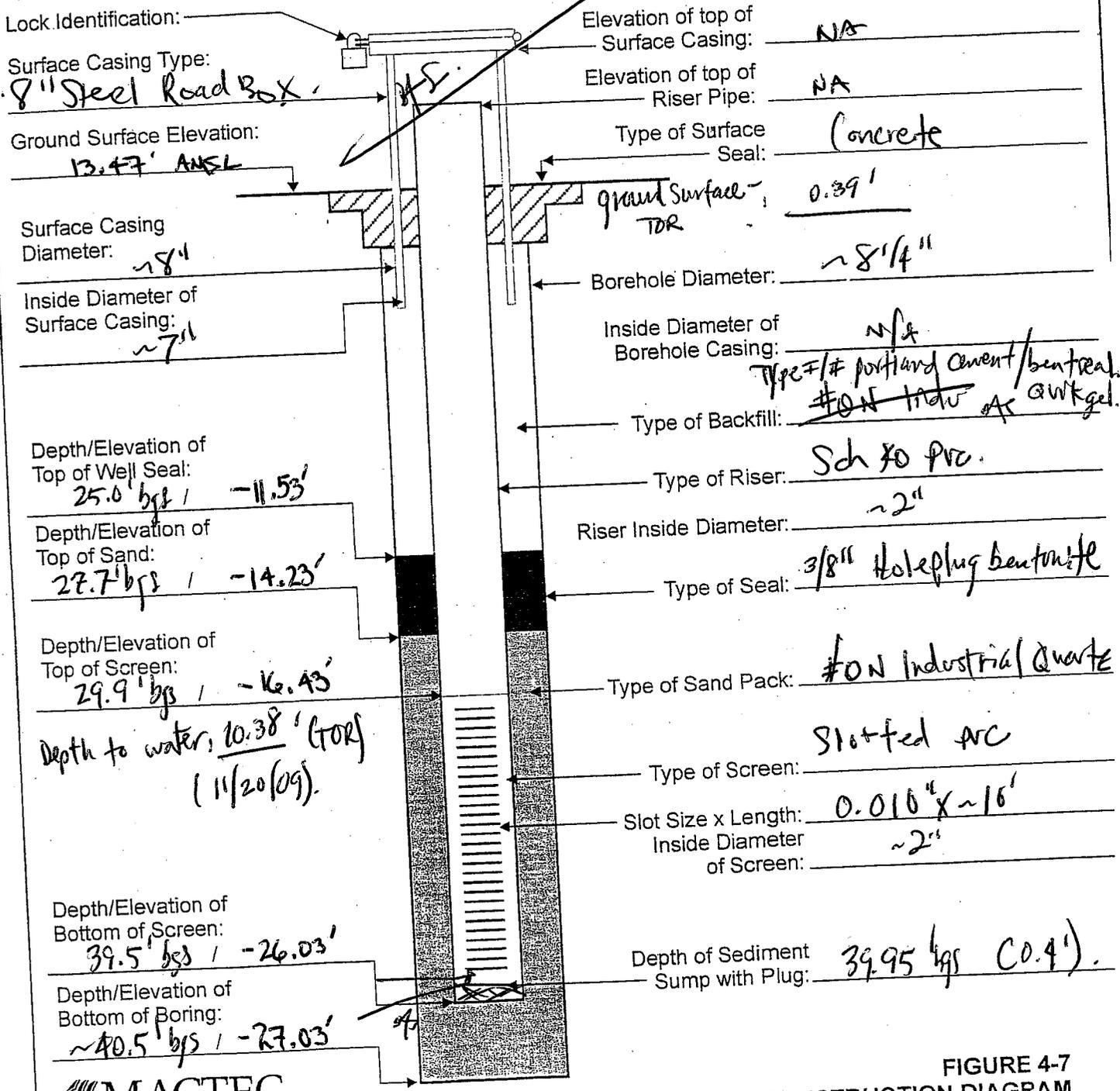
FIGURE 4-7
OVERBURDEN MONITORING WELL CONSTRUCTION DIAGRAM
NYSDEC QUALITY ASSURANCE PROJECT PLAN

Overburden Well Construction Diagram

Well No.: MW-8I

Project No.: <u>3612092134</u>	Project Name: <u>Gents Uniform Rental Service</u>	
	Project Area: <u>Town ofyster Bay, NY</u>	
Contractor: <u>Geologic, NY</u>	Driller:	Method: <u>HSA</u>
Logged By: <u>B-Shaw</u>	Date Started: <u>11-19-09</u>	Completed: <u>11-19-09</u>
Checked By: <u>CIL</u>	Date: <u>3/18/11</u>	Well Development Date: <u>12-03-09</u>

Not To Scale



MACTEC
511 Congress Street
Portland, ME 04101

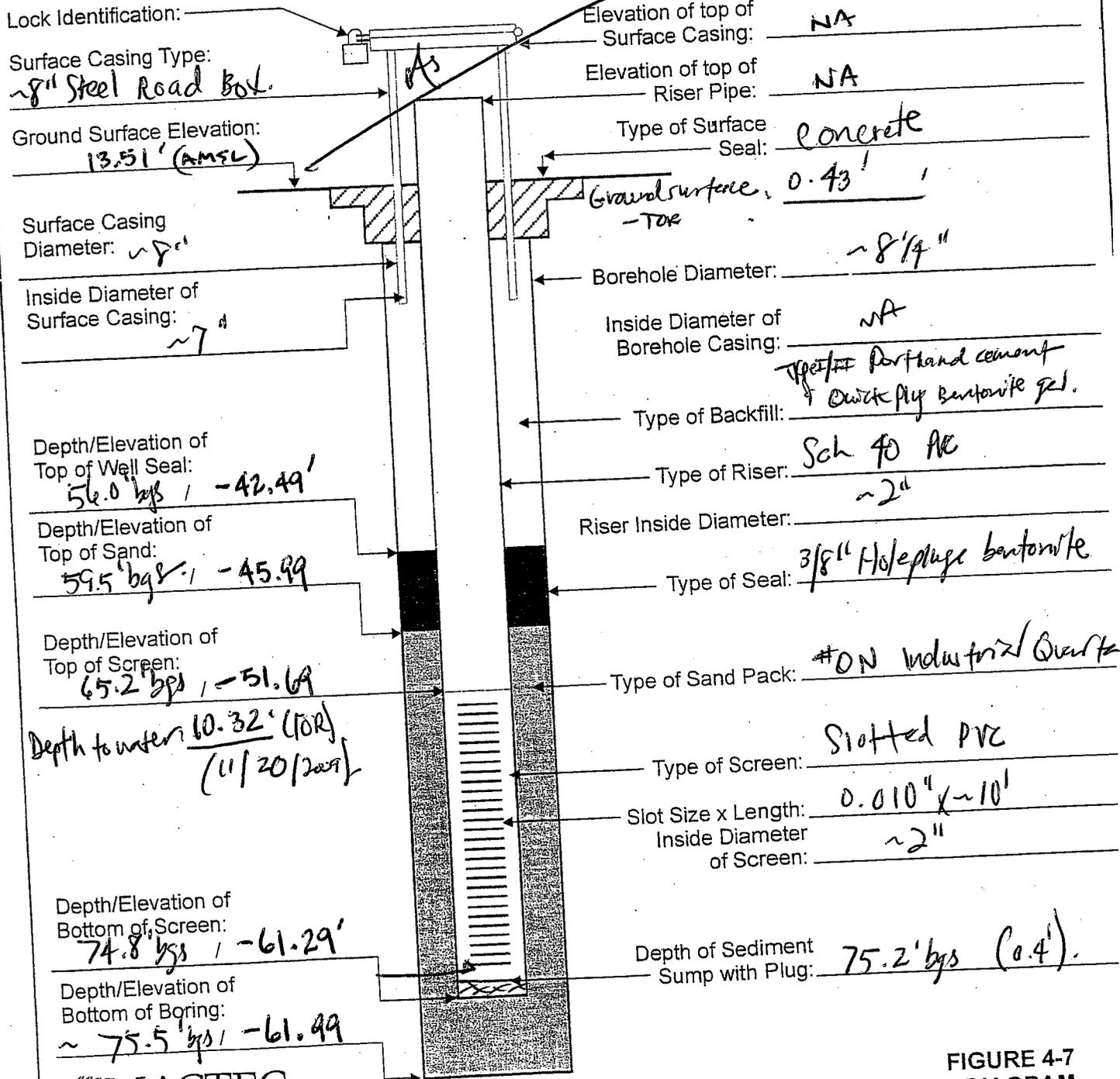
FIGURE 4-7
OVERBURDEN MONITORING WELL CONSTRUCTION DIAGRAM
NYSDEC QUALITY ASSURANCE PROJECT PLAN

Overburden Well Construction Diagram

Well No.: MW-8D.

Project No.: 3612092134.	Project Name: Gents Uniform Rental Service		
	Project Area: Town of Oyster Bay, NY		
Contractor: Galgoc, NY	Driller: Scot + Breeds	Method: HSA (~8 1/4" OD)	
Logged By: B. Shaw	Date Started: 11-18-09	Completed: 11-20-09	
Checked By: CW	Date: 3/18/11	Well Development Date: 12-03-09	

Not To Scale



Lock Identification: _____

Surface Casing Type: ~8" Steel Road Box.

Ground Surface Elevation: 13.51' (AMSL)

Surface Casing Diameter: ~8"

Inside Diameter of Surface Casing: ~7"

Depth/Elevation of Top of Well Seal: 56.0' bgs / -42.49'

Depth/Elevation of Top of Sand: 59.5' bgs / -45.99'

Depth/Elevation of Top of Screen: 65.2' bgs / -51.69'

Depth to water: 10.32' (TOR) (11/20/2009)

Depth/Elevation of Bottom of Screen: 74.8' bgs / -61.29'

Depth/Elevation of Bottom of Boring: ~75.5' bgs / -61.99'

Elevation of top of Surface Casing: NA

Elevation of top of Riser Pipe: NA

Type of Surface Seal: concrete

Ground surface - TOR: 0.43'

Borehole Diameter: ~8 1/4"

Inside Diameter of Borehole Casing: NA

Type of Backfill: ~~type~~ portland cement + quick clay bentonite gel.

Type of Riser: Sch 40 A/C

Riser Inside Diameter: ~2"

Type of Seal: 3/8" Hole plug bentonite

Type of Sand Pack: #0N industrial quartz

Type of Screen: Slotted PVC

Slot Size x Length: 0.010" x ~10'

Inside Diameter of Screen: ~2"

Depth of Sediment Sump with Plug: 75.2' bgs (0.4').

MACTEC
511 Congress Street
Portland, ME 04101

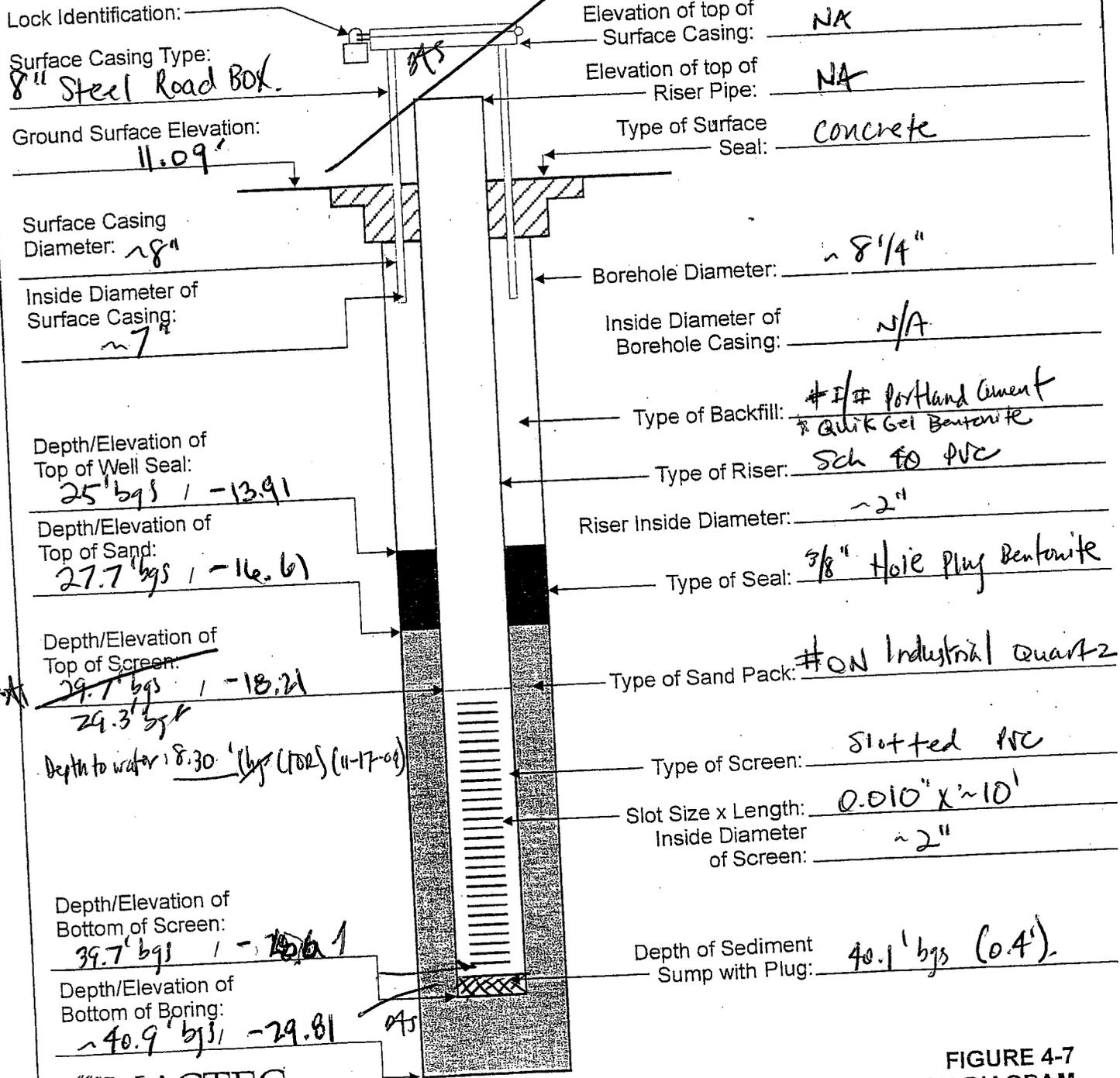
FIGURE 4-7
OVERBURDEN MONITORING WELL CONSTRUCTION DIAGRAM
NYSDEC QUALITY ASSURANCE PROJECT PLAN

Overburden Well Construction Diagram

Well No.: MW-9.

Project No.: 3612092134	Project Name: Gents Uniform Rental Service
Contractor: Geologiz, NY	Project Area: Town of Oyster Bay, Nassau, NY
Driller: Scott Breeds	Method: HSA (8 1/4")
Logged By: B. Shaw	Date Started: 11-17-04
Checked By: CUL	Completed: 11-17-09
Date: 3/18/11	Well Development Date: 12-04-09

Not To Scale



Lock Identification: _____

Surface Casing Type: 8" Steel Road Box

Ground Surface Elevation: 11.09'

Surface Casing Diameter: ~8"

Inside Diameter of Surface Casing: ~7"

Depth/Elevation of Top of Well Seal: 25' bgs / -13.91

Depth/Elevation of Top of Sand: 27.7' bgs / -16.61

Depth/Elevation of Top of Screen: 29.7' bgs / -18.21

Depth to water: 8.30' (bgs) (11-17-09)

Depth/Elevation of Bottom of Screen: 39.7' bgs / -20.61

Depth/Elevation of Bottom of Boring: ~40.9' bgs / -29.81

Elevation of top of Surface Casing: NA

Elevation of top of Riser Pipe: NA

Type of Surface Seal: concrete

Borehole Diameter: ~8 1/4"

Inside Diameter of Borehole Casing: N/A

Type of Backfill: #11 Portland Cement & Quik Gel Bentonite

Type of Riser: Sch 40 PVC

Riser Inside Diameter: ~2"

Type of Seal: 3/8" Hole Plug Bentonite

Type of Sand Pack: #20 Industrial Quartz

Type of Screen: Slotted PVC

Slot Size x Length: 0.010" x ~10'

Inside Diameter of Screen: ~2"

Depth of Sediment Sump with Plug: 40.1' bgs (0.4')



511 Congress Street
Portland, ME 04101

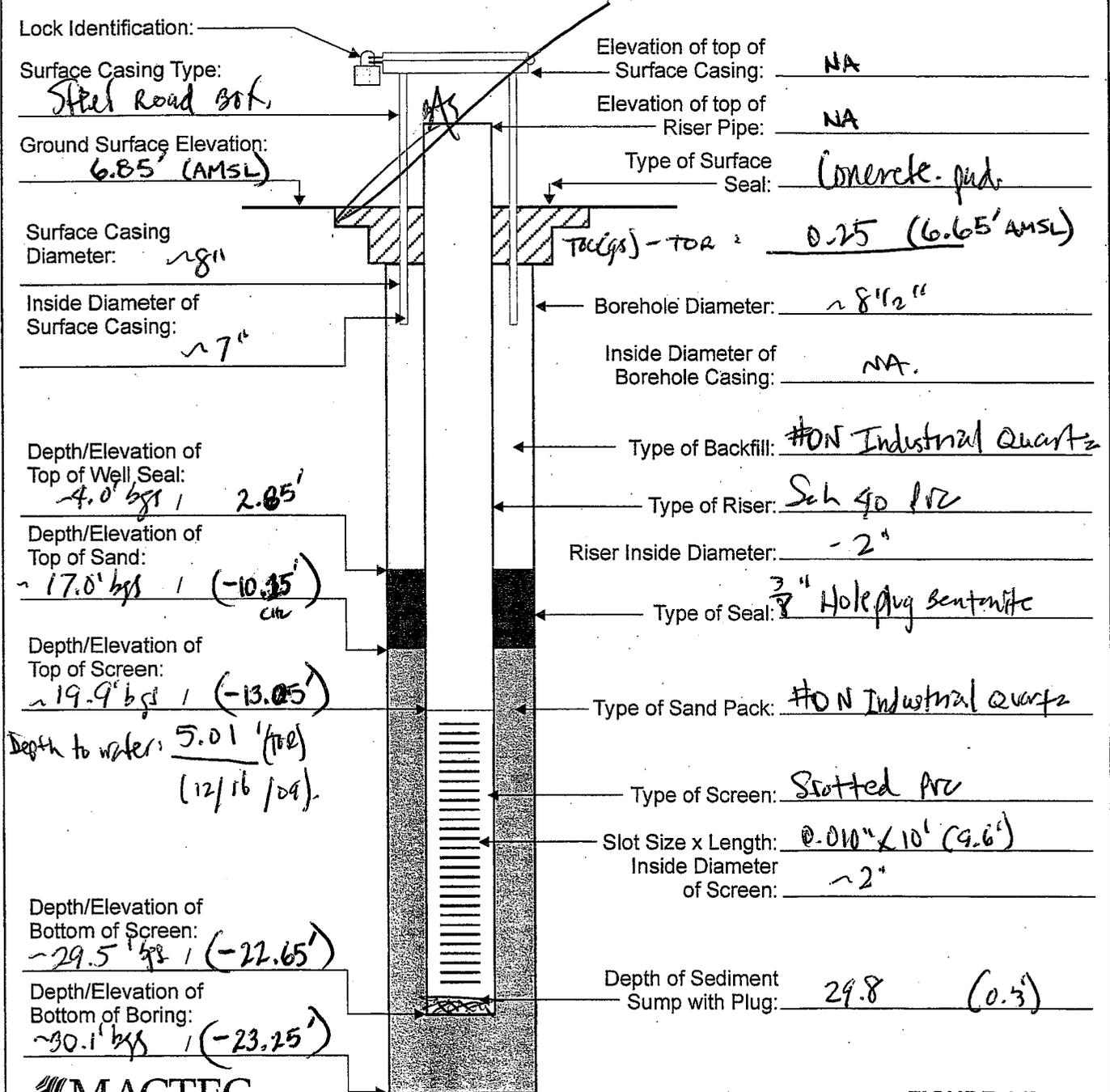
FIGURE 4-7
OVERBURDEN MONITORING WELL CONSTRUCTION DIAGRAM
NYSDEC QUALITY ASSURANCE PROJECT PLAN

Overburden Well Construction Diagram

Well No.: MW-11

Project No.: 3612092134/02.01	Project Name: Gents Uniform Rental service	
	Project Area: Dwn of Opster Bar, New York	
Contractor: Geologic, NY	Driller: Slot & Bore	Method: HSA (8.14" O.D.)
Logged By: B. Shaw	Date Started: 12-15-2009	Completed: 12-15-09
Checked By: CTR	Date: 3/16/10	Well Development Date: 12-16-2009

Not To Scale



511 Congress Street
Portland, ME 04101

OVERBURDEN MONITORING WELL CONSTRUCTION DIAGRAM
NYSDEC QUALITY ASSURANCE PROJECT PLAN

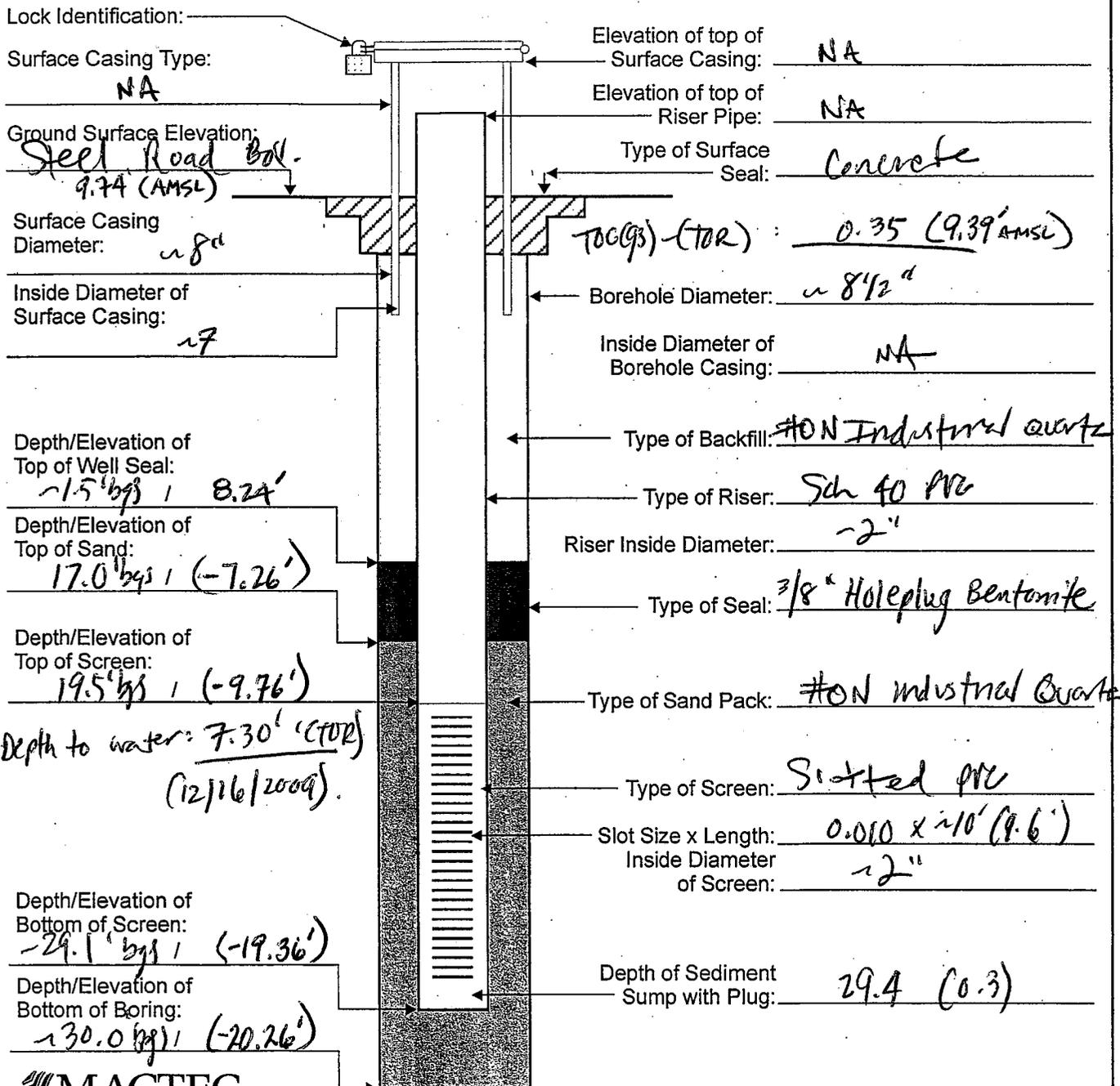
FIGURE 4-7

Overburden Well Construction Diagram

Well No.: MW-10

Project No.: 3612092134	Project Name: Gents Uniform Rental Service
Contractor: Geologix NY	Project Area: Town of Oyster Bay, New York
Driller: Scott Breed	Method: HSA (8 1/4" OD)
Logged By: B. Shaw	Date Started: 12-15-09
Checked By: CML	Completed: 12-16-09
Date: 3/18/11	Well Development Date: 12-16-09

Not To Scale



Lock Identification: _____

Surface Casing Type: NA

Ground Surface Elevation: Steel Road Bot. 9.74 (AMSL)

Surface Casing Diameter: ~8"

Inside Diameter of Surface Casing: ~7"

Depth/Elevation of Top of Well Seal: ~1.5' bgs | 8.24'

Depth/Elevation of Top of Sand: 17.0' bgs | (-7.26')

Depth/Elevation of Top of Screen: 19.5' bgs | (-9.76')

Depth to water: 7.30' (TOP) (12/16/2009)

Depth/Elevation of Bottom of Screen: -29.1' bgs | (-19.36')

Depth/Elevation of Bottom of Boring: -30.0' bgs | (-20.26')

Elevation of top of Surface Casing: NA

Elevation of top of Riser Pipe: NA

Type of Surface Seal: Concrete

TOC(93)-(TOR): 0.35 (9.39' AMSL)

Borehole Diameter: ~8 1/2"

Inside Diameter of Borehole Casing: NA

Type of Backfill: #10 Industrial quartz

Type of Riser: Sch 40 PVC

Riser Inside Diameter: ~2"

Type of Seal: 3/8" Holeplug Bentonite

Type of Sand Pack: #10 Industrial Quartz

Type of Screen: Slotted PVC

Slot Size x Length: 0.010 x ~10' (9.6')

Inside Diameter of Screen: ~2"

Depth of Sediment Sump with Plug: 29.4 (0.3)

MACTEC

511 Congress Street
Portland, ME 04101

APPENDIX E-4

MICROWELL CONSTRUCTION DIAGRAMS

WELL/PIEZOMETER CONSTRUCTION DIAGRAM FLUSHMOUNT

LOCATION ID:

MW-12

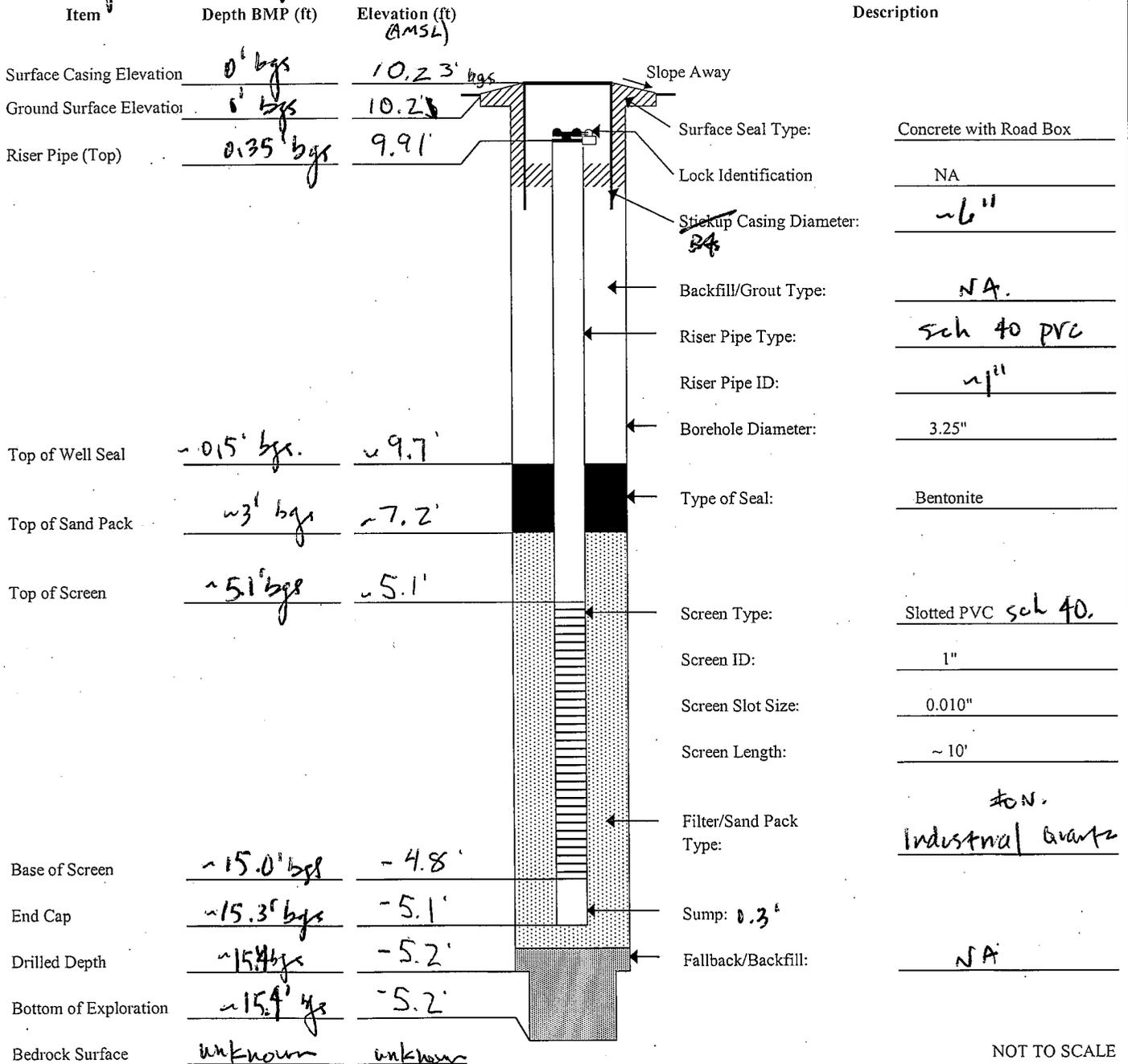
Project Name: Gent Uniform
 Project Location: Massapequa, New York
 Project Number: 3612092134 Task Number 04.61
 Subcontractor: Aztech Technologies Drilling Method: Direct Push
 Development Method: Parastaltic Pump Development Date: 01-06-2011
 Bucking Posts/Ballards: NA

Date Started: 01-05-2011 Date Completed: 01-15-2011
 Logged By: Brandon Shaw
 Checked By: REM Checked Date: 1/12/11

Notes: Depth to water: 8.31' (BTOR); 01-06-2011.
AMSL = above mean sea level
bgs = below ground surface

Measuring Point Information

Measuring Point (MP) Type: Top Of Riser
 MP Elevation (ft): 9.91'
 (AMSL)



NOT TO SCALE

WELL/PIEZOMETER CONSTRUCTION DIAGRAM FLUSHMOUNT

LOCATION ID:

MW-13

Project Name: Gent Uniform

Date Started: 01-05-2011 Date Completed: 01-05-2011

Project Location: Massapequa, New York

Logged By: Brandon Shaw

Project Number: 3612092134 Task Number: 04-01

Checked By: RCM Checked Date: 1/12/11

Subcontractor: Aztech Technologies Drilling Method: Direct Push

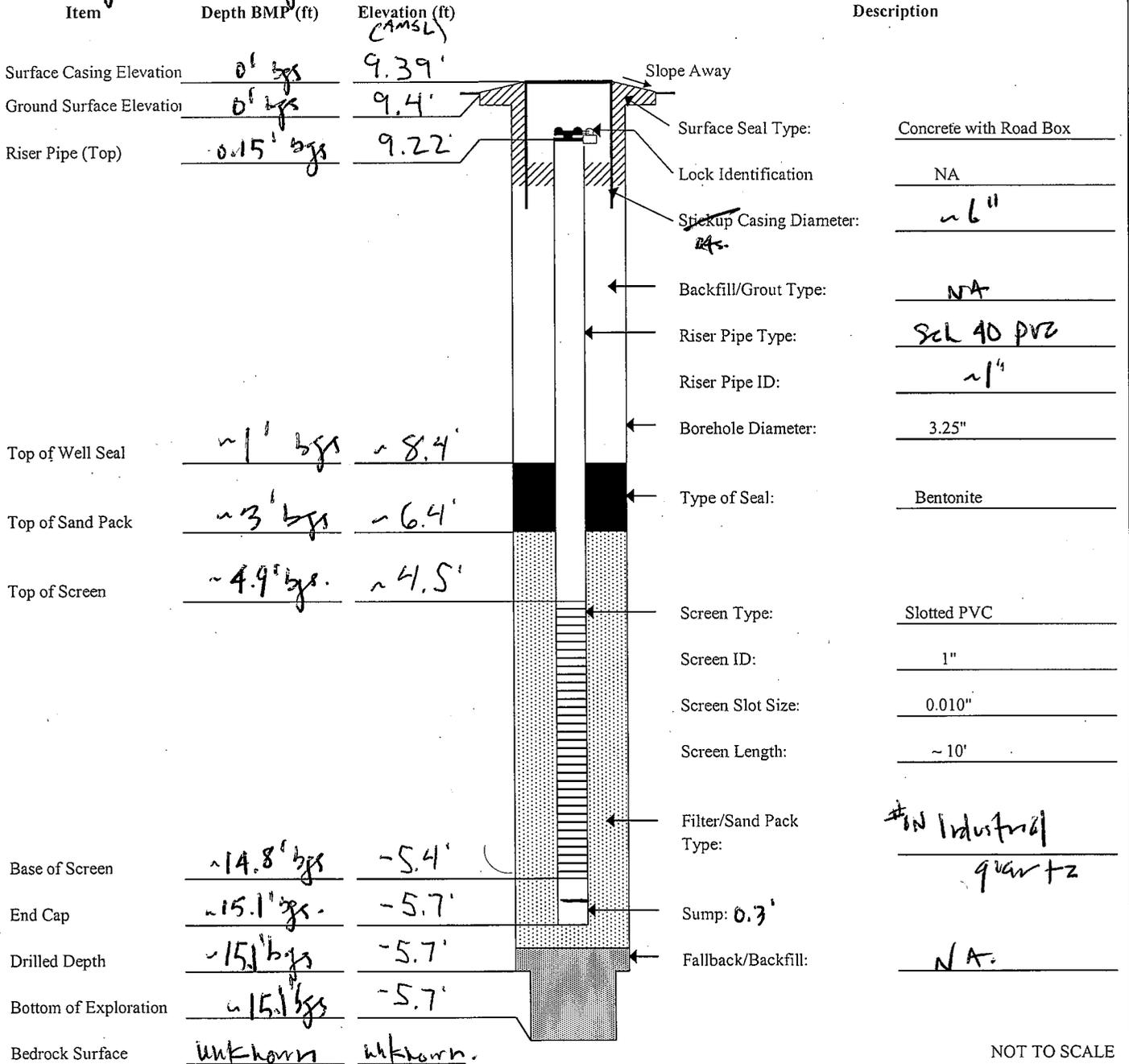
Development Method: Parastaltic Pump Development Date: 01-06-2011

Bucking Posts/Ballards: NA

Notes: Depth to water, 8.03 (TOR); 01-06-2011.
AMSL = above mean sea level
bgs = below ground surface

Measuring Point Information

Measuring Point (MP) Type: Top Of Riser
MP Elevation (ft): 9.22
(AMSL)



NOT TO SCALE

WELL/PIEZOMETER CONSTRUCTION DIAGRAM FLUSHMOUNT

LOCATION ID:

MW-14

Project Name: Gent Uniform
 Project Location: Massapequa, New York
 Project Number: 3612092134 Task Number: 04.01
 Subcontractor: Aztech Technologies Drilling Method: Direct Push
 Development Method: Parastaltic Pump Development Date: 01-06-2011
 Bucking Posts/Ballards: NA

Date Started: 01-05-2011 Date Completed: 01-05-2011
 Logged By: Brandon Shaw
 Checked By: RCM Checked Date: 1/12/11

Notes: Depth to water: 2.26' (BTP), 01-06-2011.
AMSL = above mean sea level.
bgs = below ground surface

Measuring Point Information

Measuring Point (MP) Type: Top Of Riser
 MP Elevation (ft): 3.54
 AMSL

Item	Depth BMP (ft)	Elevation (ft) (AMSL)	Description
Surface Casing Elevation	<u>0' bgs</u>	<u>3.78'</u>	
Ground Surface Elevation	<u>0' bgs</u>	<u>3.8'</u>	
Riser Pipe (Top)	<u>0.25' bgs</u>	<u>3.54'</u>	
			Surface Seal Type: <u>Concrete with Road Box</u>
			Lock Identification: <u>NA</u>
			Stickup Casing Diameter: <u>~6"</u>
			Backfill/Grout Type: <u>Natural soil / Industrial</u>
			Riser Pipe Type: <u>SEL 40 PVC</u>
			Riser Pipe ID: <u>~1"</u>
			Borehole Diameter: <u>3.25"</u>
Top of Well Seal	<u>~10' bgs</u>	<u>-6.2'</u>	Type of Seal: <u>Bentonite</u>
Top of Sand Pack	<u>~12' bgs</u>	<u>-8.2'</u>	
Top of Screen	<u>~13.4' bgs</u>	<u>-9.6'</u>	Screen Type: <u>Slotted PVC</u>
			Screen ID: <u>1"</u>
			Screen Slot Size: <u>0.010"</u>
			Screen Length: <u>~10'</u>
Base of Screen	<u>-23.3' bgs</u>	<u>-19.5'</u>	Filter/Sand Pack Type: <u>NON. Industrial quartz</u>
End Cap	<u>~23.6' bgs</u>	<u>-19.8'</u>	Sump: <u>0.3'</u>
Drilled Depth	<u>~25.0' bgs</u>	<u>-21.2'</u>	Fallback/Backfill: <u>NA</u>
Bottom of Exploration	<u>~25.0' bgs</u>	<u>-21.2'</u>	
Bedrock Surface	<u>Unknown</u>	<u>Unknown</u>	

TUB-TOP = -0.25

NOT TO SCALE

WELL/PIEZOMETER CONSTRUCTION DIAGRAM FLUSHMOUNT

LOCATION ID:

MW-155

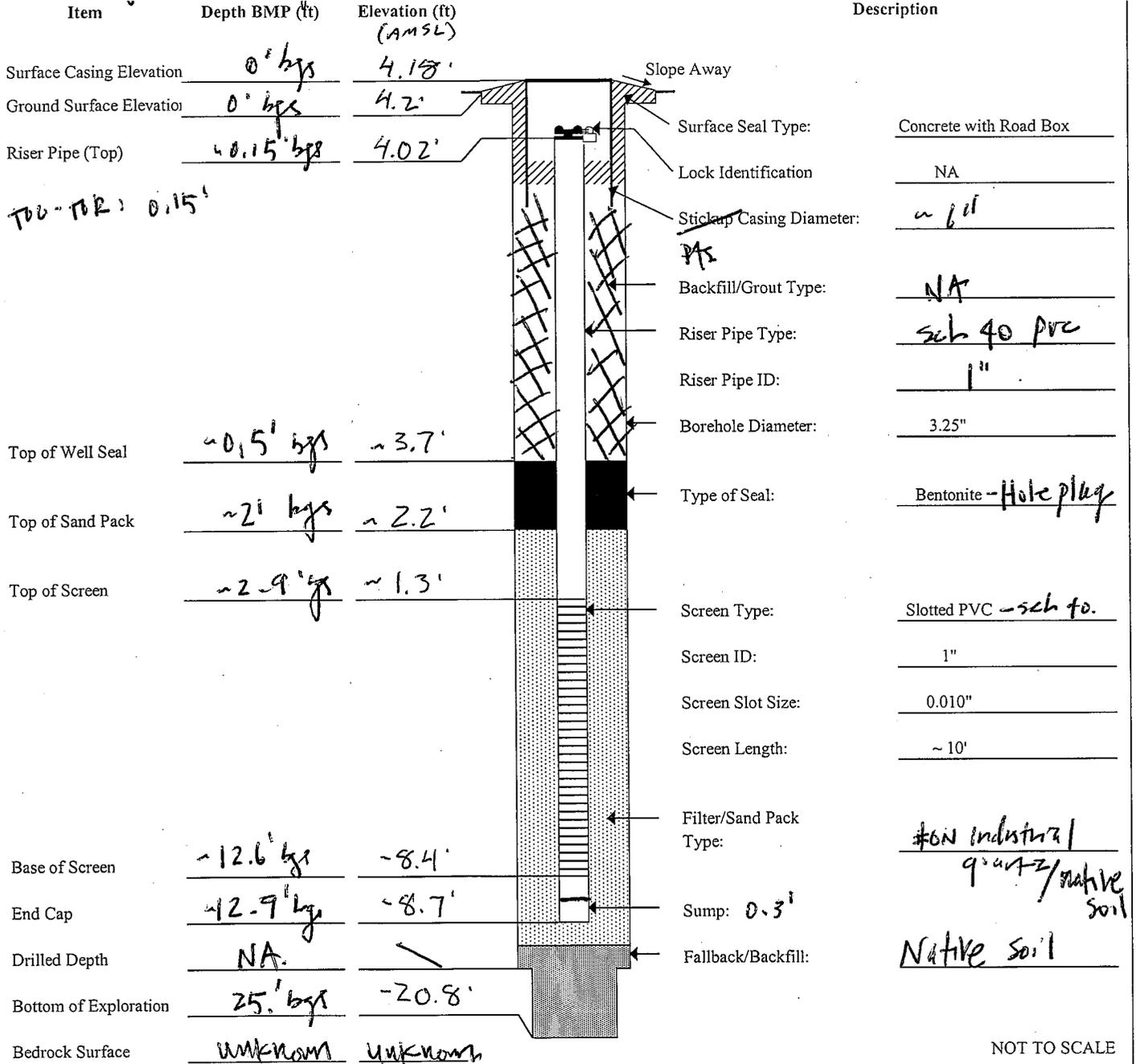
Project Name: Gent Uniform
 Project Location: Massapequa, New York
 Project Number: 3612092134 Task Number: 04.01
 Subcontractor: Aztech Technologies Drilling Method: Direct Push
 Development Method: Parastaltic Pump Development Date: 01-05-2011
 Bucking Posts/Ballards: NA

Date Started: 01-04-2011 Date Completed: 01-04-2011
 Logged By: Brandon Shaw
 Checked By: RCM Checked Date: 1/12/11

Notes: Depth to water: 3.37' (BTOM) 01-05-2011
AMSL = above mean sea level
bgs = below ground surface

Measuring Point Information

Measuring Point (MP) Type: Top Of Riser
 MP Elevation (ft): 4.02
 (AMSL)



NOT TO SCALE

WELL/PIEZOMETER CONSTRUCTION DIAGRAM FLUSHMOUNT

LOCATION ID:

MW-15I

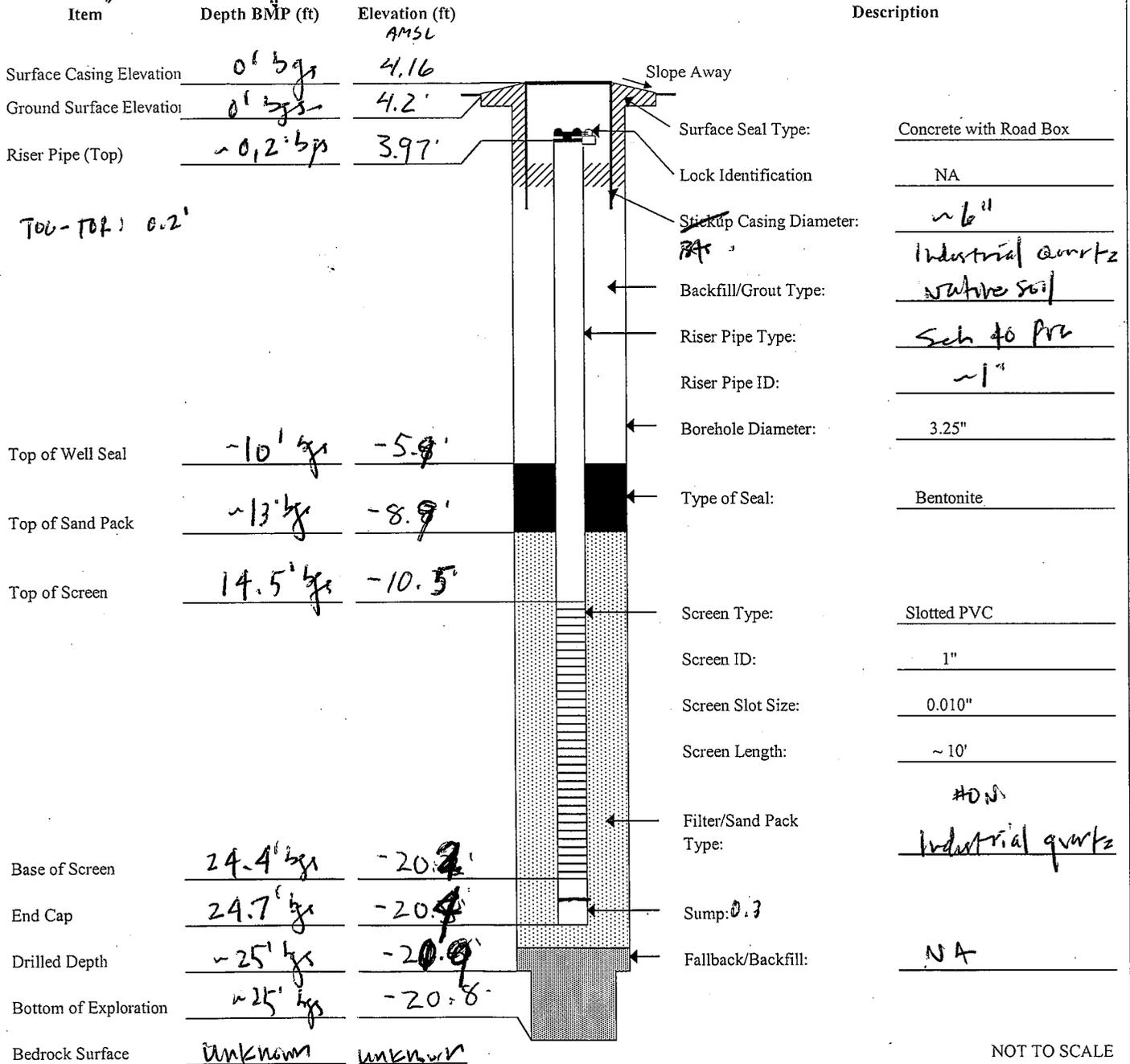
Project Name: Gent Uniform
 Project Location: Massapequa, New York
 Project Number: 3612092134 Task Number: 04-01
 Subcontractor: Aztech Technologies Drilling Method: Direct Push
 Development Method: Parastaltic Pump Development Date: 01-05-2011
 Bucking Posts/Ballards: NA

Date Started: 01-04-2011 Date Completed: 01-04-2011
 Logged By: Brandon Shaw
 Checked By: REM Checked Date: 1/13/11

Notes: Depth to water: 3.26' (BTL) 01-05-2011.
AMSL = above mean sea level
bgs = below ground surface

Measuring Point Information

Measuring Point (MP) Type: Top Of Riser
 MP Elevation (ft): 3.97
AMSL



NOT TO SCALE

WELL/PIEZOMETER CONSTRUCTION DIAGRAM FLUSHMOUNT

LOCATION ID:

MW-16

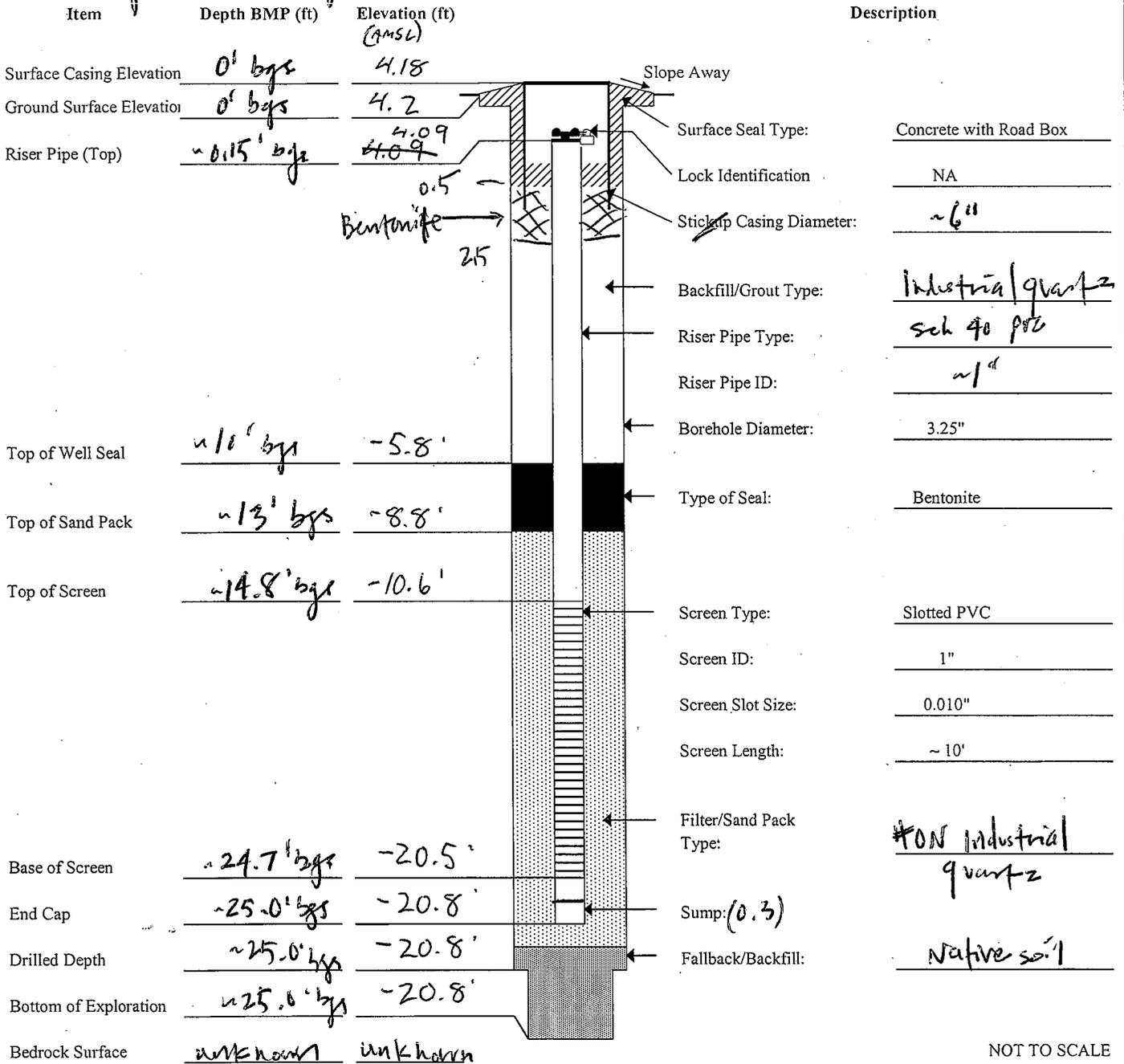
Project Name: Gent Uniform
 Project Location: Massapequa, New York
 Project Number: 3612092134 Task Number: 04.01
 Subcontractor: Aztech Technologies Drilling Method: Direct Push
 Development Method: Parastaltic Pump Development Date: 01-06-2011
 Bucking Posts/Ballards: NA

Date Started: 01-04-2011 Date Completed: 01-04-2011
 Logged By: Brandon Shaw
 Checked By: RCM Checked Date: 1/12/11

Notes: Depth to water: 2.99' (BTOR); 01-06-2011.
AMSL = above mean sea level
bgs = below ground surface

Measuring Point Information

Measuring Point (MP) Type: Top Of Riser
 MP Elevation (ft): 4.09
 (AMSL)



NOT TO SCALE

APPENDIX E-5

WELL DEVELOPMENT RECORDS

WELL DEVELOPMENT RECORD

Project: Gents Uniform Rental Service	Well Installation Date: 11-16-09	Project No. 3612092134	
Client: NYSDEC	Well Development Date: 12-4-09	Logged by: Tige C.	Checked by: ctw 3/18/10
Well/Site I.D.: MW-6	Weather: Sunny clear, 60°F	Start Date: 12-4-09	Finish Date: 12-4-09
Well Construction Record Data:		Start Time: 1200	Finish Time: 1330
Bottom of Screen	22.2 ft.	Well Diameter	2 in.
Sediment Sump/Plug	0.4 ft.	From Ground Surface <input checked="" type="checkbox"/> From Top of Riser <input type="checkbox"/>	
Screen Length	10 ft.	Fluids Lost during Drilling	0 gal.
Protective Casing Stick-up	Flush ft.	Protective Casing/Well Diff.	0.36 ft.
PID Readings:		Ambient Air	NM ppm
		Well Mouth	NM ppm

Well Levels:	Sediment:	
Initial	9.15 ft.	Well Depth before Development
End of Development	9.35 ft.	22.15 ft. (from top of PVC)
24 Hours after Development	NM ft.	Well Depth after Development
HT of Water Column	13 ft.	22.25 ft.
		Sediment Depth Removed
		0.10 ft.
		HT of Water Column \times <input type="checkbox"/> 1.68* gal./ft. = 2.1 gal./vol.
		<input checked="" type="checkbox"/> .16 *for 4" HSA Installed Wells

Equipment:	
<input checked="" type="checkbox"/> Dedicated Submersible Pump Whale Pump	Approximate Recharge Rate
<input type="checkbox"/> Surge Block	>1.5 gpm
<input type="checkbox"/> Bailer <input type="checkbox"/> 2" <input type="checkbox"/> 4"	Total Gallons Removed
<input type="checkbox"/> Grundfos Pump 2" <input type="checkbox"/> 4"	40 gal.
Well Development Criteria Met:	<input checked="" type="checkbox"/> Well water clear to unaided eye <input checked="" type="checkbox"/> Sediment thickness remaining in well is <1.0% of screen length <input checked="" type="checkbox"/> Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost <input type="checkbox"/> Turbidity < 5NTUs <input checked="" type="checkbox"/> 10% change in field parameters
Notes: Final Turb = 99 NTU	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
End of Well Development Sample (1 pint) Collected?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Water Parameter Measurements							
Record at start, twice during and at the end of development (minimum):							
Time	Volume	Total Gallons	pH	Temp/DO	Conductance	Turbidity/ORP	Pumping Rate gpm
1220	Started	Purging water from well @			1.5 gpm		
1225	—	6	6.04	16.1/1.70	0.449	>1000/129	1.5
1233	—	15	6.26	16.1/3.40	0.422	>1000/101	1.5
1243	—	25	6.32	16.1/0.43	0.353	>1000/56	1500mls/min
1253	—	33	—	15.8	—	245	1.5
1303	—	38	—	—	—	106	760mls/min
1313	—	40	6.36	15.8/0.94	0.397	99/41	↓

Well Developer's Signature: *Edy*

FIGURE 4-9
WELL DEVELOPMENT RECORD
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

WELL DEVELOPMENT RECORD

Project: Gents Uniform Rental Service	Well Installation Date: 11-19-09	Project No.: 3612.092134
Client: NYSDEC	Well Development Date: 12-4-09	Logged by: Tige C. / Checked by: CRU dudu

Well/Site I.D.: MW-7	Weather: Sunny, clear 55°F	Start Date: 12-4-09	Finish Date: 12-4-09
-----------------------------	-----------------------------------	----------------------------	-----------------------------

Well Construction Record Data:		Well Diameter: 2 in.	Start Time: 0800	Finish Time:
Bottom of Screen	20.1 ft.	From Ground Surface <input checked="" type="checkbox"/> From Top of Riser <input type="checkbox"/> Fluids Lost during Drilling: 0 gal.		
Sediment Sump/Plug	20.5 ft.			
Screen Length	10 ft.			

Protective Casing Stick-up: Flush ft.	Protective Casing/Well Diff: 0.27 ft.	PID Readings:	Ambient Air: not measured ppm Well Mouth: not measured ppm
--	--	---------------	---

Well Levels:		Sediment:	
Initial	8.81 ft.	Well Depth before Development	20.10 ft. (from top of PVC)
End of Development	8.85 ft.	Well Depth after Development	20.20 ft.
24 Hours after Development	NM ft.	Sediment Depth Removed	0.10 ft.
HT of Water Column	11.29 ft.	x <input type="checkbox"/> 1.68* gal./ft. = 1.8 gal./vol. *for 4" HSA Installed Wells	

Equipment: (C)		Approximate Recharge Rate: >1.5 gpm	
<input checked="" type="checkbox"/> Dedicated Submersible Pump (Whale) <input type="checkbox"/> Surge Block <input type="checkbox"/> Bailer <input type="checkbox"/> 2" <input type="checkbox"/> _____ <input type="checkbox"/> Grundfos Pump 2" _____ 4" _____		Total Gallons Removed: 25 gal.	
Well Development Criteria Met: Final Turbidity @ 47.5 NTU		<input checked="" type="checkbox"/> Well water clear to unaided eye <input checked="" type="checkbox"/> Sediment thickness remaining in well is <1.0% of screen length <input checked="" type="checkbox"/> Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost <input type="checkbox"/> Turbidity < 5NTUs <input checked="" type="checkbox"/> 10% change in field parameters	
End of Well Development Sample (1 pint) Collected? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			

Water Parameter Measurements							
Record at start, twice during and at the end of development (minimum):							
Time	Volume	Total Gallons	pH	Temp./DO	Conductance <i>ms/cm</i>	Turbidity/ORP	Pumping Rate <i>gpm</i>
0810	N/A	5	6.17	15.6/0.42	0.408	>1000/32	1.5
0821	↓	17	6.27	15.9/10.9	0.400	470/1	1.5
0825	↓	22	6.24	15.6/4.63	0.405	109/0	2000 mb/min
*0835	↓	24	6.35	15.3/4.87	0.397	47.5/-10	2000 mb/min
* Pump at mid screen for final reading							

Well Developer's Signature: *Tige C. [Signature]*

511 Congress Steet
Portland, ME 04101

FIGURE 4-9
WELL DEVELOPMENT RECORD
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

OTW
8.85
8.85
8.85
8.85

WELL DEVELOPMENT RECORD

Project: Gents Uniform Rental Service	Well Installation Date: 11-19-09	Project No. 3012092134
Client: NYSDEC	Well Development Date: 12-3-09	Logged by: Tige C. Checked by: Chris Diello

Well/Site I.D.: MW-8I	Weather: Clear Sunny 65°F	Start Date: 12-3-09 Finish Date: 12-3-09
------------------------------	----------------------------------	--

Well Construction Record Data:		Well Diameter: 2 in.	Start Time: 1255	Finish Time: 1500
Bottom of Screen	39.5 ft.	From Ground Surface <input type="checkbox"/> From Top of Riser <input checked="" type="checkbox"/> (TC)		
Sediment Sump/Plug	0.4 ft.			
Screen Length	10 ft.			
		Fluids Lost during Drilling	0 gal.	

Protective Casing Stick-up: Flush <input checked="" type="checkbox"/>	Protective Casing/Well Diff. 0.37 ft.	PID Readings:	Ambient Air NM ppm Well Mouth NM ppm
--	--	---------------	---

Well Levels:		Sediment:	
Initial	10.42 ft.	Well Depth before Development	39.50 ft. (from top of PVC)
End of Development	10.45 ft.	Well Depth after Development	39.60 ft.
24 Hours after Development	NM ft.	Sediment Depth Removed	0.10 ft.
HT of Water Column	29.05 ft.	$ \begin{matrix} \times & \square & 1.68^* \text{ gal./ft.} & = & & \\ & \square & -16 & & & \\ & & & & \text{gal./vol.} & \\ & & & & * \text{for 4" HSA Installed Wells} & \end{matrix} $	

Equipment: <input checked="" type="checkbox"/> Dedicated Submersible Pump Whale Pump Approximate Recharge Rate		>1.5 gpm
<input type="checkbox"/> Surge Block <input type="checkbox"/> Bailer <input type="checkbox"/> 2" <input type="checkbox"/> _____ <input type="checkbox"/> Grundfos Pump 2" _____ 4" _____		53 gal.
Well Development Criteria Met: <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Well water clear to unaided eye <input checked="" type="checkbox"/> Sediment thickness remaining in well is <1.0% of screen length <input checked="" type="checkbox"/> Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost <input type="checkbox"/> Turbidity < 5NTUs <input checked="" type="checkbox"/> 10% change in field parameters 		
Notes: NM = not measured Final Turb = 42.9 NTU		
End of Well Development Sample (1 pint) Collected? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

Water Parameter Measurements							
Record at start, twice during and at the end of development (minimum):							
Time	Volume	Total Gallons	pH	Temp. / DO	Conductance	Turbidity / ORP	Pumping Rate
1310	1 gallon	5	7.54	14.6 / 2.07	0.475	>1000 / 150	1.5 gal/min
1325	N/A	20	6.74	14.7 / 0.40	0.478	>1000 / 96	1.5
1415	↓	30	6.66	14.7 / 1.17	0.461	597 / 121	1.5
1427	↓	50	6.44	14.8 / 2.01	0.454	368 / 124	1.5
1430	↓	53	6.44	14.8 / 2.01	0.451	42.9 / 123	2000 mlb/min*

Well Developer's Signature: *Felix...* * Pump @ mid screen



FIGURE 4-9
WELL DEVELOPMENT RECORD
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

WELL DEVELOPMENT RECORD

Project: Gents Uniform Rental Service		Well Installation Date: 11-18-09 to 11-20-09		Project No. 3612092134					
Client: NYSDEC		Well Development Date: 12-3-09		Logged by: Tige Cunningham	Checked by: cur 3/12/11				
Well/Site I.D.: MW-8D		Weather: Sunny Clear Temp's 55-60°F		Start Date: 12-3-09	Finish Date: 12-3-09				
Well Construction Record Data:			Well Diameter: 2 in.		Start Time: 0855				
Bottom of Screen	74.8 ft.	From Ground Surface <input checked="" type="checkbox"/> From Top of Riser <input type="checkbox"/>		Finish Time: 1250					
Sediment Sump/Plug	75.2 ft.								
Screen Length	10 ft.	Fluids Lost during Drilling		~30 gal.					
Protective Casing Stick-up: Flush ft.		Protective Casing/Well Diff. 0.43 ft.		PID Readings: Ambient Air _____ ppm					
				Well Mouth _____ ppm					
Well Levels:			Sediment:						
Initial	10.45 ft.	Well Depth before Development	74.75 ft.	(from top of PVC)					
End of Development	10.65 ft.	Well Depth after Development	74.85 ft.						
24 Hours after Development	NM ft.	Sediment Depth Removed	0.10 ft.						
HT of Water Column	64.3 ft.	<input type="checkbox"/> 1.68* gal./ft. <input checked="" type="checkbox"/> 1.6 gal./ft.	=	10.3	gal./vol. *for 4" HSA Installed Wells				
Equipment:									
<input checked="" type="checkbox"/> Dedicated Submersible Pump	Whale Pump	Approximate Recharge Rate	>1.5 gpm						
<input type="checkbox"/> Surge Block		Total Gallons Removed	155 gal.						
<input type="checkbox"/> Bailer 2" _____									
<input type="checkbox"/> Grundfos Pump 2" _____ 4" _____									
Well Development Criteria Met:			<input checked="" type="checkbox"/> Well water clear to unaided eye <input checked="" type="checkbox"/> Sediment thickness remaining in well is <1.0% of screen length <input checked="" type="checkbox"/> Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost <input type="checkbox"/> Turbidity < 5NTUs <input checked="" type="checkbox"/> 10% change in field parameters						
Notes: Final Turb = 8.7 NTU									
End of Well Development Sample (1 pint) Collected? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
Water Parameter Measurements									
Record at start, twice during and at the end of development (minimum):									
Time	Volume l gal	Total Gallons l gal	pH	Temp. °F	ms/cm Conductance	Turbidity/ORP	Pumping Rate gpm	ΔTW	
0855	—	—	6.23	13.5/1.16	0.109	>1K/-8	1.53 gal/min	10.65	
0930	—	45	6.83	13.1/1.40	0.097	>1K/-67	1.53	10.65	
1035	—	85	6.81	13.0/0.04	0.092	1911/-60	1.53	10.65	
1135	—	125	6.68	13.0/2.01	0.088	65/-45	1.53	10.65	
1155	—	140	6.67	13.0/2.05	0.088	46.4/-39	1.53		
1205	End	155	6.68	13.1/2.97	0.084	8.7/-27	1.53		
Well Developer's Signature: <i>Tige Cunningham</i>									



FIGURE 4-9
WELL DEVELOPMENT RECORD
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

WELL DEVELOPMENT RECORD

Project: Gents Uniform Rental Service	Well Installation Date: 11-17-09	Project No. 3612092134
Client: NYSDEC	Well Development Date: 12-4-09	Logged by: Tige C Checked by: CHU
Well/Site I.D.: MW-9	Weather: Sunny, clear, 55°F	Start Date: 12-4-09 Finish Date: 12-4-09
Well Construction Record Data:		Start Time: 0915 Finish Time: 1015
Bottom of Screen: 39.7 ft.	Well Diameter: 2 in.	From Ground Surface <input checked="" type="checkbox"/> From Top of Riser <input type="checkbox"/>
Sediment Sump/Plug: 40.1 ft.	Fluids Lost during Drilling: 0 gal.	
Screen Length: 10 ft.		
Protective Casing Stick-up: Flush ft.	Protective Casing/Well Diff.: ≈ 3 ft.	PID Readings: Ambient Air Not Measured ppm Well Mouth Not Measured ppm

Well Levels:	Sediment:	
Initial: 8.41 ft.	Well Depth before Development: 39.65 ft.	(from top of PVC)
End of Development: 8.48 ft.	Well Depth after Development: 39.75 ft.	
24 Hours after Development: NM ft.	Sediment Depth Removed: 0.1 ft.	
HT of Water Column: 31.24 ft.	$\times \begin{matrix} \square 1.68^* \text{ gal./ft.} \\ \square -16 \end{matrix} = \mathbf{5}$ gal./vol.	*for 4" HSA Installed Wells

Equipment:

Dedicated Submersible Pump (**Whale**) Approximate Recharge Rate: **> 1.5** gpm

Surge Block Total Gallons Removed: **40** gal.

Bailer 2" _____

Grundfos Pump 2" _____ 4" _____

Well Development Criteria Met:

Notes: Turbidity was 47 NTU
w/ pump set @ midscreen @ 1500mls/min

End of Well Development Sample (1 pint) Collected? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> <input type="checkbox"/> Well water clear to unaided eye Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Sediment thickness remaining in well is <1.0% of screen length Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <input checked="" type="checkbox"/> Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <input type="checkbox"/> Turbidity < 5NTUs Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 10% change in field parameters Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
--	---

Water Parameter Measurements

Record at start, twice during and at the end of development (minimum):

Time	Volume	Total Gallons	pH	Temp. / DO	Conductance	Turbidity / ERP	Pumping Rate
0920	Started	Purging	well	1.5 gpm			
0927	—	7	6.13	13.4 / 2.12	0.117	21000 / 64	1.5
0940	—	22	6.09	13.5 / 4.49	0.107	769 / 72	1.5
0951	—	35	6.09	14.0 / 1.97	0.143	346 / 66	1500mls/min
1002	—	38	5.85	13.4 / 20.01	0.121	59.5 / 79	1500mls/min
1007	—	40	5.83	13.5 / 20.01	0.118	47 / 81	↓

Well Developer's Signature: *Tige C*



FIGURE 4-9
WELL DEVELOPMENT RECORD
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

DTW
8.48
↓

Please TAKE THIS for your PROJECT FILE!

This helps document measurement quality and manage risks.

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT: _____

DATE: 12/2/09

PROJECT NUMBER: 361209.2134/02.01

CALIBRATED BY: PK

MULTI-PARAMETER WATER QUALITY MONITORING SYSTEM:

MODEL: Horiba-U22

Horiba-U10

UNIT ID NUMBER: M015- 05

M014- _____

	pH Units	Conductivity mS/cm	DO mg/L *	Temperature deg. C
CONCENTRATION	4.00	4.49	8.68	21.0
RESULTS	<u>4.01</u>	<u>4.48</u>	<u>8.66</u>	<u>20.4</u>
ACCEPTABLE CRITERIA	+/- 10% of standard	+/- 10% of standard	+/- 10% of standard	+/- 2.0 deg. C

Auto Calibration Fluids: Auto Cal Solution

Standard Source: Lot Number: 7148

Expiration Date: 5/20/10

TURBIDITY METER TYPE:

MODEL: HACH2100P

Lamotte 2020

UNIT ID NUMBER: M024- _____

	< 0.01 NTU (low)	800 NTU (high)
STANDARD VALUE	_____ NTU	_____ NTU
METER VALUE	_____ NTU	_____ NTU
ACCEPTABLE CRITERIA	within 0.3 NTU of standard	+/- 10% of standard

PHOTO IONIZATION DEVICE:

MODEL: thermo 580B

Mifi RAE 2000

UNIT ID NUMBER: M001- _____

CALIBRATION GAS LOT NUMBER:

	Zero Air	Span Gas
BACKGROUND	0 ppmv	100 ppmv
METER VALUE	_____ ppmv	_____ ppmv
ACCEPTABLE CRITERIA	within 5 ppmv of 0	+/- 10% of standard

O2-LEL

MODEL: V-REA

UNIT ID NUMBER: M012- _____

CALIBRATION GAS LOT NUMBER:

GAS USED	METHANE	OXYGEN	H2S	CO
CONCENTRATION	50%	20.90%	25 ppm	50 ppm
RESULTS				

WELL DEVELOPMENT RECORD

Project: Gears Uniform	Well Installation Date: 12-15-2009	Project No.: 3612092034
Client: NYSDEC	Well Development Date: 12-16-2009	Logged by: BTS / Checked by: CHR mclm
Well/Site I.D.: MW-10	Weather: 35 F, Sunny/mildy.	Start Date: 12-16-09 / Finish Date: 12-16-09
	Well Diameter: 2 in.	Start Time: 1445 / Finish Time: 1700

Well Construction Record Data:

Bottom of Screen: **29.1** ft. From Ground Surface From Top of Riser

Sediment Sump/Plug: **29.4** ft.

Screen Length: **~9.6** ft.

Fluids Lost during Drilling: **~40** gal.

Protective Casing Stick-up: **0.0** ft.

Protective Casing/Well Diff.: **0.35** ft.

PID Readings: Ambient Air **---** ppm, Well Mouth **---** ppm

Well Levels:

Initial: **7.30** ft.

End of Development: **7.40** ft.

24 Hours after Development: **NA** ft.

HT of Water Column: **21.9** ft.

Sediment:

Well Depth before Development: **29.2** ft. (from top of PVC)

Well Depth after Development: **29.7** ft.

Sediment Depth Removed: **0.2** ft.

1.68* gal./ft. = **39.8** gal./vol. *for 4" HSA Installed Wells

Equipment:

Dedicated Submersible Pump

Surge Block

Bailer 2" **whale pump**

Grundfos Pump 2" 4"

Approximate Recharge Rate: **72** gpm

Total Gallons Removed: **~200** gal.

Well Development Criteria Met:

Notes: **Pump on @ MW-10 - 1450**

End of Well Development Sample (1 pint) Collected? Yes No

- Well water clear to unaided eye
- Sediment thickness remaining in well is <1.0% of screen length
- Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost
- Turbidity < 5NTUs
- 10% change in field parameters

Water Parameter Measurements

Record at start, twice during and at the end of development (minimum):

Time	Volume	Total Gallons	pH	Temp.	Conductance	Turbidity	Pumping Rate
1456	~6.25	~10	6.86	13.77	0.390	71000	~292/m
1501	~0.5	~20	6.89	13.58	0.341		
1506	~0.75	~30	6.87	13.48	0.375		
1516	~1	~40	6.84	13.10	0.388		
1518	~1.25	~50	6.82	13.79	0.379		
1523	~1.5	~60	6.75	13.60	0.408		
1528	~1.75	~70					

BRANDON SHAW

Well Developer's Signature: _____



FIGURE 4-9
WELL DEVELOPMENT RECORD
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

chr mclm

WELL DEVELOPMENT RECORD

Project: Geats Uniform Rental Service Well Installation Date: 12-15-2009 Project No. 12092134
 Client: NYSDEC Well Development Date: 12-16-2009 Logged by: [Signature] Checked by: [Signature]
 Well/Site I.D.: mw-10 Weather: 28 F, Windy Start Date: 12-16-09 Finish Date: 12-16-09
 Well Construction Record Data: Well Diameter 2 in. Start Time: 1445 Finish Time: 1700

Well Construction Record Data:
 Bottom of Screen 29.1 ft. From Ground Surface From Top of Riser
 Sediment Sump/Plug 29.4 ft.
 Screen Length 9.6 ft.
 Fluids Lost during Drilling ~40* gal.

Protective Casing Stick-up 0.0 ft. Protective Casing/Well Diff. 0.35 ft. PID Readings:
 Ambient Air 10.1 ppm
 Well Mouth 6.1 ppm

Well Levels:
 Initial 7.30 ft. Sediment:
 Well Depth before Development 29.2 ft. (from top of PVC)
 End of Development 7.40 ft. Well Depth after Development 29.4 ft.
 24 Hours after Development NA ft. Sediment Depth Removed 10.2 ft.
 HT of Water Column 21.9 ft. 1.68* gal./ft. = 39.8 gal./vol. *for 4" HSA Installed Wells

Equipment:
 Dedicated Submersible Pump
 Surge Block
 Bailer 2" Whirl pump
 Grundfos Pump 2" 4"
 Approximate Recharge Rate 72 gpm
 Total Gallons Removed ~200 gal.

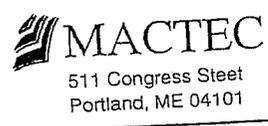
Well Development Criteria Met:
 Notes: plug on @ mw-10 = 1450.
 End of Well Development Sample (1 pint) Collected? Yes No
 Well water clear to unaided eye
 Sediment thickness remaining in well is <1.0% of screen length
 Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost
 Turbidity < 5NTUs
 10% change in field parameters

Water Parameter Measurements
 Record at start, twice during and at the end of development (minimum):

Time	Volume	Total Gallons	pH	Temp.	Conductance	Turbidity	Pumping Rate
1549	~2.5	~100	6.81	12.12	0.336	7000	~2 gpm
1559	~3	~120	6.78	12.41	0.377	7100	↓
1612	~3.5	~140	6.74	12.59	0.371	7100	
1621	~4	~160	6.67	12.96	0.357	7100	
1630	~4.5	~180	6.71	12.91	0.362	7100	
1642	~5	~200	6.75	12.67	0.375	7100	
1643	Pump off	mw-10					

Well Developer's Signature: [Signature] BROWN show

FIGURE 4-9
 WELL DEVELOPMENT RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN



WELL DEVELOPMENT RECORD

Project: Gents Uniform Rental Service
Well Installation Date: 12-15-2009
Project No.: 3612092134
Client: NYSDEC
Well Development Date: 12-16-2009
Logged by: BKS
Checked by: CMC 12/16/09
Well/Site I.D.: MW-11
Weather: 30°F Windy
Start Date: 12-16-09
Finish Date: 12-16-09
Well Diameter: 2 in.
Start Time: 0945
Finish Time: 1400

Well Construction Record Data:
 Bottom of Screen: 29.8 ft. From Ground Surface From Top of Riser
 Sediment Sump/Plug: ~30 ft.
 Screen Length: ~9.6 ft.
 Fluids Lost during Drilling: 40.1 gal.

page 1 of 3

Protective Casing Stick-up: 0.0 ft. **Protective Casing/Well Diff.:** 0.25 ft. **PID Readings:**
 Ambient Air: 0.1 ppm
 Well Mouth: 0.1 ppm

Well Levels:
 Initial: 5.01 ft.
 End of Development: 5.07 ft.
 24 Hours after Development: NA ft.
 HT of Water Column: 24.7 ft.

Sediment:
 Well Depth before Development: 29.75 ft. (from top of PVC)
 Well Depth after Development: 29.80 ft.
 Sediment Depth Removed: 0.05 ft.
 1.68* gal./ft. = 41.6 gal./vol. for 4" HSA Installed Wells

Equipment:
 Dedicated Submersible Pump
 Surge Block
 Bailer 2" Whale pump
 Grundfos Pump 2" _____ 4" _____

Approximate Recharge Rate: 72 gpm
Total Gallons Removed: 72 * 1000 = 72,000 gal.

Well Development Criteria Met:

- Well water clear to unaided eye
- Sediment thickness remaining in well is < 1.0% of screen length
- Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost
- Turbidity < 5NTUs
- 10% change in field parameters

Notes: pumps @ MW-11? 1024
 End of Well Development Sample (1 pint) Collected? Yes No

Water Parameter Measurements
Record at start, twice during and at the end of development (minimum):

Time	Volume	Total Gallons	pH	Temp.	Conductance	Turbidity	Pumping Rate (PID)
1029	~0.2	~10	5.24	14.52	0.288	71000	~2 gal/min 1.6
1135	~0.9	~20	6.09	14.66	0.219	71000	3.1
1243	~0.7	~30	6.15	15.38	0.210	>1000	1.7
1349	~1	~40	6.21	14.71	0.212	71000	
1454	~1.3	~50	6.10	14.96	0.222	71000	
1206	~1.5	~60	6.35	14.66	0.207	70000	
1312	~1.7	~70	6.30	14.36	0.205	71000	

MW (1024)
5.07

Well Developer's Signature: Brandon Show

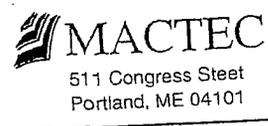


FIGURE 4-9
WELL DEVELOPMENT RECORD
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

WELL DEVELOPMENT RECORD

Project: Cents Uniform Rental Service	Well Installation Date: 12-15-2009	Project No.: 3612092134	Checked by: CHZ 3/10/11
Client: MSDE	Well Development Date: 12-16-09	Logged by: AS	Finish Date: 12-16-09
Well/Site I.D.: MW-11	Weather: 38°F, windy	Start Date: 12-16-09	Finish Time: 1400
Well Construction Record Data:		Start Time: 0945	

Bottom of Screen	29.8	ft.	<input type="checkbox"/>	From Ground Surface	<input checked="" type="checkbox"/>	From Top of Riser
Sediment Sump/Plug	~30.	ft.				
Screen Length	~9.6	ft.				
Well Diameter		2	in.			
Fluids Lost during Drilling		6.1	gal.			
Protective Casing Stick-up		0.0	ft.			
Protective Casing/Well Diff.		0.25	ft.			
PID Readings:		Ambient Air 6.1 ppm				
		Well Mouth 6.1 ppm				

Well Levels:		Sediment:			
Initial	5.01	ft.	Well Depth before Development	29.75	ft. (from top of PVC)
End of Development	5.07	ft.	Well Depth after Development	29.80	ft.
24 Hours after Development	NA	ft.	Sediment Depth Removed	0.05	ft.
HT of Water Column	24.7	ft.	<input checked="" type="checkbox"/> 1.68* gal./ft.	41.6	gal./vol. *for 4" HSA Installed Wells
		<input type="checkbox"/>			

Equipment:	Approximate Recharge Rate	Total Gallons Removed	
<input type="checkbox"/> Dedicated Submersible Pump	> 2	~160.	gpm
<input type="checkbox"/> Surge Block			
<input type="checkbox"/> Bailer <input type="checkbox"/> 2" <input checked="" type="checkbox"/> Whale Pump			
<input type="checkbox"/> Grundfos Pump 2" <input type="checkbox"/> 4"			
Well Development Criteria Met:	<input checked="" type="checkbox"/> Well water clear to unaided eye <input checked="" type="checkbox"/> Sediment thickness remaining in well is <1.0% of screen length <input type="checkbox"/> Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost <input type="checkbox"/> Turbidity < 5NTUS <input type="checkbox"/> 10% change in field parameters		
Notes:	End of Well Development Sample (1 pint) Collected? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Notes: Pump on @ 1024			

Water Parameter Measurements							
Record at start, twice during and at the end of development (minimum):							
Time	Volume	Total Gallons	pH	Temp.	Conductance	Turbidity	Pumping Rate
1217	~2	~80	6.10	15.02	6.221	>1000	~2.9 gal/min
1223	~2.2	~90	6.21	15.27	0.202	71000	
1229	~2.5	~100	6.21	14.73	0.204	71000	
1235	~2.7	~110	6.26	14.75	0.203	848	
1318	~3	~120	6.24	14.81	0.207	71000	
1324	~3.2	~130	6.19	15.14	0.198	71000	
1329	~3.5	~140		15.24	0.197	71000	

Well Developer's Signature:

AS

MACTEC
511 Congress Street
Portland, ME 04101

FIGURE 4-9
WELL DEVELOPMENT RECORD
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

WELL DEVELOPMENT RECORD

Project: Gen's Uniform Rental Service	Well Installation Date: 12-15-09	Project No. 3612092174	
Client: NYSDEC	Well Development Date: 12-16-09	Logged by: BAF	Checked by: Carroll
Well/Site I.D.: MW-11	Weather: 30 F, windy	Start Date: 12-16-09	Finish Date: 12-16-09
Well Construction Record Data:		Start Time: 0945	Finish Time: 1400

Well Diameter: 2 in.	
Bottom of Screen: 29.8 ft.	From Ground Surface <input type="checkbox"/> From Top of Riser <input checked="" type="checkbox"/>
Sediment Sump/Plug: ~30 ft.	
Screen Length: ~9.6 ft.	
Fluids Lost during Drilling: 101 gal.	page 3 of 3!

Protective Casing Stick-up: 0.0 ft.	Protective Casing/Well Diff.: 0.25 ft.	PID Readings:
		Ambient Air: 2.1 ppm
		Well Mouth: 2.1 ppm

Well Levels:	Sediment:	
Initial: 5.01 ft.	Well Depth before Development: 29.75 ft.	(from top of PVC)
End of Development: 5.07 ft.	Well Depth after Development: 29.80 ft.	
24 Hours after Development: NA ft.	Sediment Depth Removed: 0.05 ft.	
HT of Water Column: 24.7 ft.	<input checked="" type="checkbox"/> 1.68* gal./ft. = 4-6 gal./vol. <input type="checkbox"/> _____	*for 4" HSA Installed Wells

Equipment: <input type="checkbox"/> Dedicated Submersible Pump <input type="checkbox"/> Surge Block <input type="checkbox"/> Bailer <input type="checkbox"/> 2" <input checked="" type="checkbox"/> 2" whirlpump <input type="checkbox"/> Grundfos Pump 2" _____ 4" _____	Approximate Recharge Rate: 72 gpm Total Gallons Removed: ~160 gal.	Well Development Criteria Met: Notes: pump on @ 1024 End of Well Development Sample (1 pint) Collected? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		<input checked="" type="checkbox"/> Well water clear to unaided eye <input checked="" type="checkbox"/> Sediment thickness remaining in well is <1.0% of screen length <input type="checkbox"/> Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost <input type="checkbox"/> Turbidity < 5NTUS <input type="checkbox"/> 10% change in field parameters

Water Parameter Measurements							
Record at start, twice during and at the end of development (minimum):							
Time	Volume	Total Gallons	pH	Temp.	Conductance	Turbidity	Pumping Rate
1335	~3.7	~150	6.13	15.01	0.200	71000	2941 gpm
1341	~4	~160	6.20	14.70	0.203	12.1	~2000 gpm
1342	pump off	at MW-11					

Well Developer's Signature: **Brandon Shaw**



FIGURE 4-9
WELL DEVELOPMENT RECORD
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

Please TAKE THIS for your PROJECT FILE!

This helps document measurement quality and manage risks.

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT: Gents Uniform Dental Service
 PROJECT NUMBER: 3612092134/02-01

DATE: 12-16-09
 CALIBRATED BY: BAC

MULTI-PARAMETER WATER QUALITY MONITORING SYSTEM:

MODEL: Horiba-U22 Horiba-U10
 UNIT ID NUMBER: M015-0A M014-

	pH	Conductivity	DO	Temperature
	Units	mS/cm	mg/L*	deg. C
CONCENTRATION	4.00	4.49	9.8	15
RESULTS	4.00	4.51	9.50	14.91
ACCEPTABLE CRITERIA	+/- 10% of standard	+/- 10% of standard	+/- 10% of standard	+/- 2.0 deg. C

Auto Calibration Fluids: Auto Cal Solution
 Standard Source: Lot Number: 7148 Expiration Date: 05/20/2010

TURBIDITY METER TYPE:

MODEL: HACH2100P Lamotte 2020
 UNIT ID NUMBER: M024-Pine 14871

STANDARD VALUE	< 0.01 NTU (low)	800 NTU (high)
METER VALUE	<u>0.10</u> NTU	<u>711</u> NTU
ACCEPTABLE CRITERIA	within 0.3 NTU of standard	+/- 10% of standard

PHOTO IONIZATION DEVICE:

MODEL: thermo 580B Mini RAE 2000
 UNIT ID NUMBER: M001-NYSDEC 3
 CALIBRATION GAS LOT NUMBER: 004756

	<u>Background Zero Air</u>	Span Gas
BACKGROUND	0 ppmv	100 ppmv
METER VALUE	<u>< 0.1</u> ppmv	<u>104.1</u> ppmv
ACCEPTABLE CRITERIA	within 5 ppmv of 0	+/- 10% of standard

O2-LEL

MODEL: V-REA
 UNIT ID NUMBER: M012-
 CALIBRATION GAS LOT NUMBER: BAC

GAS USED	METHANE	OXYGEN	H2S	CO
CONCENTRATION	50%	20.90%	25 ppm	50 ppm
RESULTS				

✓ call 3/18/11

Please TAKE THIS for your PROJECT FILE!

This helps document measurement quality and manage risks.

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT: Genie Uniform Rental Service DATE: 12-17-09
 PROJECT NUMBER: 3612092134 / 02-01 CALIBRATED BY: BAS

MULTI-PARAMETER WATER QUALITY MONITORING SYSTEM:

MODEL: Horiba-U22 ~~Horiba-U10~~ AS
 UNIT ID NUMBER: M015-01 ~~M014-~~

	pH	Conductivity	DO	Temperature
	Units	mS/cm	mg/L*	deg. C
CONCENTRATION	4.00	4.49	9.6	16.3
RESULTS	<u>3.98</u>	<u>4.47</u>	<u>9.45</u>	<u>16.3</u>
ACCEPTABLE CRITERIA	+/- 10% of standard	+/- 10% of standard	+/- 10% of standard	+/- 2.0 deg. C

Auto Calibration Fluids: Auto Cal Solution
 Standard Source: Lot Number: 7148 Expiration Date: 05/20/2010

TURBIDITY METER TYPE:

MODEL: HACH2100P Lamotte 2020
 UNIT ID NUMBER: AS M024-

STANDARD VALUE	<u>< 0.01 NTU (low)</u>	<u>800 NTU (high)</u>
METER VALUE	<u>NTU</u>	<u>NTU</u>
ACCEPTABLE CRITERIA	<u>within 0.3 NTU of standard</u>	<u>+/- 10% of standard</u>

PHOTO IONIZATION DEVICE:

MODEL: thermo 580B Miñi RAE 2000
 UNIT ID NUMBER: M001- N/DEC 3
 CALIBRATION GAS LOT NUMBER: 601756

	<u>Zero Air</u>	<u>Span Gas</u>
BACKGROUND	<u>0 ppmv</u>	<u>100 ppmv</u>
METER VALUE	<u>20.1 ppmv</u>	<u>10.8 ppmv</u>
ACCEPTABLE CRITERIA	<u>within 5 ppmv of 0</u>	<u>+/- 10% of standard</u>

O2-LEL

MODEL: V-REA
 UNIT ID NUMBER: M012-
 CALIBRATION GAS LOT NUMBER: AS

GAS USED	METHANE	OXYGEN	H2S	CO
CONCENTRATION	<u>50%</u>	<u>20.90%</u>	<u>25 ppm</u>	<u>50 ppm</u>
RESULTS				

Jan 31/11

WELL DEVELOPMENT RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.01
 WELL INSTALLATION DATE: 01-05-2011
 WELL DEVELOPMENT DATE: 01-06-2011

LOCATION ID: MW-12
 PAGE: 1 OF 1
 START TIME: 0730
 START DATE: 01-06-2011
 END TIME: 0840
 END DATE: 01-06-2011

WELL DIAMETER (INCHES): 1-IN. 2-IN. 4-IN. 6-IN. 8-IN. OTHER
 CASING DIAMETER (INCHES): 4-IN. 6-IN. 8-IN. 10-IN. 12-IN. OTHER
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER

INITIAL WELL DEPTH (BMP): 14.7 FT
 FINAL WELL DEPTH (BMP): 14.9 FT
 SCREEN LENGTH: ~10 FT
 PROT. CASING STICKUP (AGS): 0.0 FT
 INITIAL DTW (BMP): 8.31 FT
 SEDIMENT REMOVED: 0.2 FT
 SCREENED INTERVAL (BMP): ~5 TO 15
 TOC/TOR DIFFERENCE: 0.35 FT
 WATER COLUMN: -6.4 FT
 DTW AFTER DEVELOP. (BMP): 8.32 FT
 PUMPING DEPTH (BMP): ~14 FT
 PID AMBIENT AIR: - PPM
 CALCULATED GAL/VOL: ~0.3 GAL
 FINAL RECOVERY DEPTH (BMP): - FT
 APPROXIMATE RECHARGE RATE: - FT/MIN
 PID WELL MOUTH: - PPM
 TOTAL VOL. PURGED: ~5 GAL
 FINAL RECOVERY TIME (elapsed): - MIN
 FLUIDS LOST DURING DRILLING: 0 GAL
 END OF WELL DEVELOPMENT SAMPLE TAKEN? Y N

TIME	DTW (ft BMP)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	VOLUME PURGED (gal)	TOTAL GALLONS	COMMENTS
0808	Pump on								-	-	
0812	8.34	~500	11.01	0.334	6.89	5.31	71000	-319.8	-	-	PID: 0.2 ppm
0817	8.33	~500	10.79	0.312	6.76	4.22	71600	-332.1	-	-	
0822	8.34	~500	11.45	0.304	6.45	3.91	9.70	-342.8	-	~215	
0827	8.33	~500	11.44	0.301	6.35	3.50	6.39	-462.7	-	-	
0832	8.32	~500	11.48	0.280	6.26	3.42	4.29	-308.6	-	~5	
0835	Pump off										
			12	0.280	6.3	3.4	4.3	-310			RCM 1/12/11

EQUIPMENT DOCUMENTATION

DEDICATED SUBMERSIBLE
 SURGE BLOCK
 BAILER
 GRUNDFOS
 OTHER Parastaltic Pump with 3/8" LDR Tubing
 WATER LEVEL METER
 PID NYSDEC 1
 WQ METER YSI
 TURB. METER Hach
 OTHER
 OTHER
 OTHER

WELL DEVELOPMENT CRITERIA

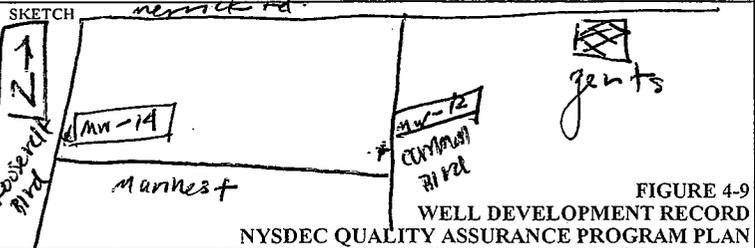
Well water clear to the unaided eye?
 Sediment thickness remaining in well <1.0% of screen length?
 Total water removed = a minimum of 5x calculated well volumes plus 5x drilling fluids lost?
 Turbidity < 5NTUs?
 10% change in field parameters?

Y	N
<input checked="" type="checkbox"/>	<input type="checkbox"/>

WAS DEVELOPMENT CRITERIA MET? Y N

ADDITIONAL OBSERVATIONS
 PURGE WATER CONTAINERIZED: Y N
 NUMBER OF GALLONS GENERATED: ~5

NOTES
 Well Developer Signature:
 Checked By: RCM
 Print Name: Brandon Shaw
 Date: 1/12/11



WELL DEVELOPMENT RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.01
 WELL INSTALLATION DATE: 01-05-2011
 WELL DEVELOPMENT DATE: 01-06-2011

LOCATION ID: MW-13
 PAGE: 1 OF 1
 START TIME: 0845
 START DATE: 01-06-2011
 END TIME: 0920
 END DATE: 01-06-2011

WELL DIAMETER (INCHES): 1-IN. 2-IN. 4-IN. 6-IN. 8-IN. OTHER
 CASING DIAMETER (INCHES): 4-IN. 6-IN. 8-IN. 10-IN. 12-IN. OTHER
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER

INITIAL WELL DEPTH (BMP): 14.6 FT
 FINAL WELL DEPTH (BMP): 14.9 FT
 SCREEN LENGTH: -10 FT
 PROT. CASING STICKUP (AGS): 0.0 FT
 INITIAL DTW (BMP): 8.03 FT
 SEDIMENT REMOVED: 0.3 FT
 SCREENED INTERVAL (BMP): 1.5 TO 1.5 FT
 TOC/TOR DIFFERENCE: 0.15 FT
 WATER COLUMN: 6.6 FT
 DTW AFTER DEVELOP. (BMP): 8.03 FT
 PUMPING DEPTH (BMP): ~14 FT
 PID AMBIENT AIR: 0.1 PPM
 CALCULATED GAL/VOL: ~1.3 GAL
 FINAL RECOVERY DEPTH (BMP): - FT
 APPROXIMATE RECHARGE RATE: - FT/MIN
 PID WELL MOUTH: 0.2 PPM
 TOTAL VOL. PURGED: ~5 GAL
 FINAL RECOVERY TIME (elapsed): - MIN
 FLUIDS LOST DURING DRILLING: 0 GAL
 END OF WELL DEVELOPMENT SAMPLE TAKEN? Y N

FIELD PARAMETERS

TIME	DTW (ft BMP)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	VOLUME PURGED (gal)	TOTAL GALLONS	COMMENTS
0846	Pump on								-	-	
0850	8.05	~500	11.79	0.297	6.86	4.44	71000	-421.8	-	-	PID: 0.2 ppm
0855	8.04	~500	11.92	0.309	6.80	4.24	71000	-456.7	-	-	
0900	8.03	~500	12.21	0.256	6.70	3.29	13.0	-340.9	-	~2.5	
0905	8.02	~500	12.30	0.251	6.61	3.31	7.11	-306.7	-	-	
0910	8.03	~500	12.24	0.245	6.54	3.30	2.75	-292.0	-	-	PID: 0.1 ppm
0915	Pump off								-	~5	
			12	0.245	6.5	3.3	2.8	-290	Rem	1/12/11	

EQUIPMENT DOCUMENTATION

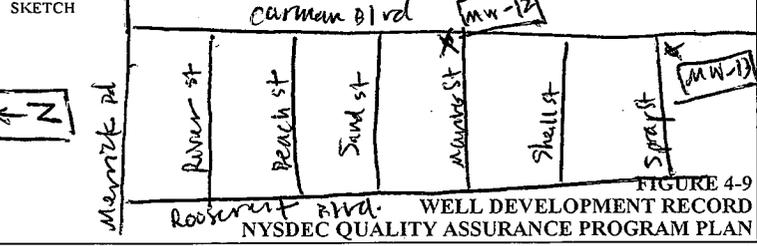
DEDICATED SUBMERSIBLE SURGE BLOCK
 BAILER
 GRUNDFOSS
 OTHER Parastaltic Pump; w. th 3/8 LDPE tubing
 WATER LEVEL METER
 PID NYSDEC 1
 WQ METER YSI
 TURB. METER Hach
 OTHER
 OTHER
 OTHER

WELL DEVELOPMENT CRITERIA

Well water clear to the unaided eye?
 Sediment thickness remaining in well <1.0% of screen length?
 Total water removed = a minimum of 5x calculated well volumes plus 5x drilling fluids lost?
 Turbidity < 5NTUs?
 10% change in field parameters?
 WAS DEVELOPMENT CRITERIA MET? Y N

ADDITIONAL OBSERVATIONS
 PURGE WATER CONTAINERIZED Y N
 NUMBER OF GALLONS GENERATED: ~5

NOTES
 Brandon Shaw.
 Well Developer Signature: [Signature]
 Checked By: Rem
 Print Name: Brandon Shaw.
 Date: 1/12/11



WELL DEVELOPMENT RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.01
 WELL INSTALLATION DATE: 01-04-2011
 WELL DEVELOPMENT DATE: 01-05-2011

LOCATION ID: MW-155
 PAGE: 1 OF 1
 START TIME: 1430
 START DATE: 01-05-2011
 END TIME: 1600
 END DATE: 01-05-2011

WELL DIAMETER (INCHES): 1-IN. 2-IN. 4-IN. 6-IN. 8-IN. OTHER
 CASING DIAMETER (INCHES): 4-IN. 6-IN. 8-IN. 10-IN. 12-IN. OTHER
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER

INITIAL WELL DEPTH (BMP): 12.4 FT
 FINAL WELL DEPTH (BMP): 12.7 FT
 SCREEN LENGTH: ~10 FT
 PROT. CASING STICKUP (AGS): 0.0 FT
 INITIAL DTW (BMP): 3.37 FT
 SEDIMENT REMOVED: ~6.3 FT
 SCREENED INTERVAL (BMP): 12.6 TO 2.9 FT
 TOC/TOR DIFFERENCE: 0.15 FT
 WATER COLUMN: ~9.0 FT
 DTW AFTER DEVELOP. (BMP): 3.57 FT
 PUMPING DEPTH (BMP): ~12 FT
 PID AMBIENT AIR: 0.1 PPM
 CALCULATED GAL VOL: ~0.4 GAL
 FINAL RECOVERY DEPTH (BMP): - FT
 APPROXIMATE RECHARGE RATE: - FT/MIN
 PID WELL MOUTH: 1.5 PPM
 TOTAL VOL. PURGED: ~10 GAL
 FINAL RECOVERY TIME (elapsed): - MIN
 FLUIDS LOST DURING DRILLING: 0 GAL
 END OF WELL DEVELOPMENT SAMPLE TAKEN? Y N

FIELD PARAMETERS

TIME	DTW (ft BMP)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	VOLUME PURGED (gal)	TOTAL GALLONS	COMMENTS
1442		Pump on									
1445	3.54	~500	10.74	0.309	6.64	6.27	71000	-420.1	-	~1	
1450	3.50	~500	10.62	0.371	6.70	6.60	71000	-446.7	-	~2	PID: 0.8 ppm
1455	3.52	~500	10.51	0.334	6.61	5.02	71000	-356.5	-	~3	
1500	3.55	~500	10.21	0.296	6.54	4.11	422	-362.5	-	~4	PID: 0.6 ppm
1505	3.51	~500	10.34	0.274	6.48	9.94	84.4	-226.6	-	~5	
1510	3.56	~500	10.97	0.271	6.48	3.58	121	-339.6	-	~6	
1515	3.52	~500	11.35	0.267	6.49	3.28	52.1	-408.1	-	~7	
1520	3.49	~500	11.30	0.263	6.45	3.21	37.6	-365.0	-	~8	PID: 1.5 ppm
1525	3.52	~500	11.17	0.263	6.43	3.16	22.5	-356.6	-	~9	
1530	3.57	~500	11.02	0.260	6.40	2.97	17.5	-412.7	-	~10	
1535		Pump off									

EQUIPMENT DOCUMENTATION

DEDICATED SUBMERSIBLE WATER LEVEL METER X
 SURGE BLOCK X
 BAILER X
 GRUNDFOSS X
 OTHER X Parastaltic Pump with 3/8" LDPE Tubing

WATER LEVEL METER: 11
 PID: NYSDEC 1
 WQ METER: YSI
 TURB. METER: Hach
 OTHER: _____
 OTHER: _____

WELL DEVELOPMENT CRITERIA

Well water clear to the unaided eye? Y N
 Sediment thickness remaining in well <1.0% of screen length? Y N
 Total water removed = a minimum of 5x calculated well volumes plus 5x drilling fluids lost? Y N
 Turbidity < 5 NTU's? Y N
 10% change in field parameters? Y N
 WAS DEVELOPMENT CRITERIA MET? Y N

ADDITIONAL OBSERVATIONS

PURGE WATER CONTAINERIZED: Y N
 NUMBER OF GALLONS GENERATED: ~10

NOTES

Well Developer Signature: *Brandon Shaw*
 Checked By: *RCA*
 Print Name: *Brandon Shaw*
 Date: *1/12/11*

SKETCH

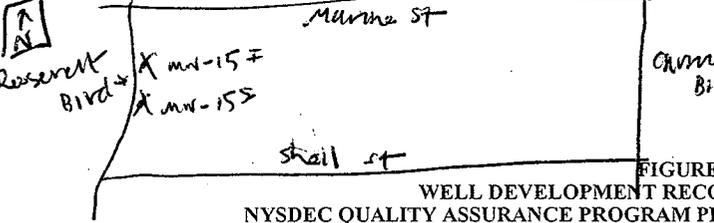


FIGURE 4-9

WELL DEVELOPMENT RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME Gent Uniform	
PROJECT NUMBER 3612092134-04.01	
WELL INSTALLATION DATE 01-04-2011	WELL DEVELOPMENT DATE 01-05-2011

LOCATION ID MW-15 I	PAGE 1 OF 1
START TIME 1300	START DATE 01-05-2011
END TIME 1430	END DATE 01-05-2011

WELL DIAMETER (INCHES) 1-IN. 2-IN. 4-IN. 6-IN. 8-IN. OTHER _____

CASING DIAMETER (INCHES) 4-IN. 6-IN. 8-IN. 10-IN. 12-IN. OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

INITIAL WELL DEPTH (BMP) <input type="text" value="24.2"/> FT	FINAL WELL DEPTH (BMP) <input type="text" value="24.45"/> FT	SCREEN LENGTH <input type="text" value="~10"/> FT	PROT. CASING STICKUP (AGS) <input type="text" value="8"/> FT
INITIAL DTW (BMP) <input type="text" value="3.26"/> FT	SEDIMENT REMOVED (final well depth - initial well depth) <input type="text" value="~3"/> FT	SCREENED INTERVAL (BMP) <input type="text" value="~15 TO ~25"/>	TOC/TOR DIFFERENCE <input type="text" value="0.2"/> FT
WATER COLUMN (initial well depth - initial depth to water) <input type="text" value="-20.9"/> FT	DTW AFTER DEVELOP. (BMP) <input type="text" value="3.31"/> FT	PUMPING DEPTH (BMP) <input type="text" value="-24"/> FT	PID AMBIENT AIR <input type="text" value="0.1"/> PPM
CALCULATED GAL/VOL (column X well diameter squared X 0.041) <input type="text" value="~0.9"/> GAL	FINAL RECOVERY DEPTH (BMP) <input type="text" value="-"/> FT	APPROXIMATE RECHARGE RATE <input type="text" value="-"/> FT/MIN	PID WELL MOUTH <input type="text" value="0.3"/> PPM
TOTAL VOL. PURGED (mL per minute X total minutes X 0.00026 gal/mL) <input type="text" value="~9"/> GAL	FINAL RECOVERY TIME (elapsed) <input type="text" value="-"/> MIN	FLUIDS LOST DURING DRILLING <input type="text" value="0"/> GAL	END OF WELL DEVELOPMENT SAMPLE TAKEN? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N

FIELD PARAMETERS

TIME	DTW (ft BMP)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	VOLUME PURGED (gal)	TOTAL GALLONS	COMMENTS
1345	3.44	~500	13.75	0.147	6.81	4.67	71000	-310.1	~1	~1.5	PID: <0.1
1352	3.37	~500	13.92	0.133	6.72	3.53	28.3	-324.1	-	~2.5	PID: 1.8
1402	3.35	~500	13.90	0.128	6.86	3.35	14.5	-379.6	-	~4	
1407	3.39	~500	13.73	0.130	6.71	3.03	9.32	-325.7	-	~5.5	
1412	3.35	~500	13.92	0.125	6.64	3.07	5.51	-315.5	-	~7	
1417	3.31	~500	13.96	0.125	6.62	2.39	3.31	-310.5	-	~8.5	
1420			14	0.125	6.6	2.4	3.3	-310	rec	1/12/11	
BA-											

EQUIPMENT DOCUMENTATION

<input type="checkbox"/> DEDICATED SUBMERSIBLE	<input checked="" type="checkbox"/>	WATER LEVEL METER	<input checked="" type="checkbox"/>
<input type="checkbox"/> SURGE BLOCK	<input checked="" type="checkbox"/>	PID _____	<input checked="" type="checkbox"/>
<input type="checkbox"/> BAILER	<input checked="" type="checkbox"/>	WQ METER _____	<input checked="" type="checkbox"/>
<input type="checkbox"/> 2" <input type="checkbox"/>	<input checked="" type="checkbox"/>	TURB. METER _____	<input checked="" type="checkbox"/>
<input type="checkbox"/> GRUNDFOSS	<input checked="" type="checkbox"/>	OTHER _____	<input type="checkbox"/>
<input type="checkbox"/> 2" <input type="checkbox"/> 4"	<input checked="" type="checkbox"/>	OTHER _____	<input type="checkbox"/>
<input checked="" type="checkbox"/> OTHER	<input checked="" type="checkbox"/>	OTHER _____	<input type="checkbox"/>

3/8" Parastatic Pump with LDPE tubing

WELL DEVELOPMENT CRITERIA

Well water clear to the unaided eye? Y N

Sediment thickness remaining in well <1.0% of screen length? Y N

Total water removed = a minimum of 5x calculated well volumes plus 5x drilling fluids lost? Y N

Turbidity < 5NTUs? Y N

10% change in field parameters? Y N

WAS DEVELOPMENT CRITERIA MET? Y N

ADDITIONAL OBSERVATIONS

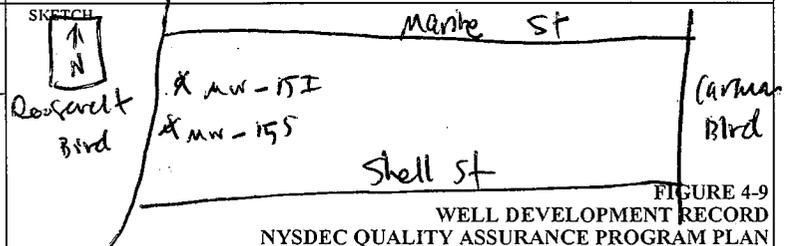
PURGE WATER CONTAINERIZED Y N

NUMBER OF GALLONS GENERATED

NOTES

Well Developer Signature:

Print Name: Brandon Shaw
Date: 1/12/11



WELL DEVELOPMENT RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134-04.01
 WELL INSTALLATION DATE: 01-04-2011
 WELL DEVELOPMENT DATE: 01-06-2011

LOCATION ID: MW-16
 PAGE: 1 OF 1
 START TIME: 0920
 START DATE: 01-06-2011
 END TIME: 0955
 END DATE: 01-06-2011

WELL DIAMETER (INCHES): 1-IN. 2-IN. 4-IN. 6-IN. 8-IN. OTHER
 CASING DIAMETER (INCHES): 4-IN. 6-IN. 8-IN. 10-IN. 12-IN. OTHER
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER

INITIAL WELL DEPTH (BMP): 24.6 FT
 FINAL WELL DEPTH (BMP): 29.8 FT
 SCREEN LENGTH: ~10 FT
 PROT. CASING STICKUP (AGS): 0.0 FT
 INITIAL DTW (BMP): 2.99 FT
 SEDIMENT REMOVED: 0.2 FT
 SCREENED INTERVAL (BMP): ~15 TO 25
 TOC/TOR DIFFERENCE: ~0.15 FT
 WATER COLUMN: ~21.6 FT
 DTW AFTER DEVELOP. (BMP): 2.95 FT
 PUMPING DEPTH (BMP): ~24 FT
 PID AMBIENT AIR: 0.1 PPM
 CALCULATED GAL/VOL: ~0.9 GAL
 FINAL RECOVERY DEPTH (BMP): - FT
 APPROXIMATE RECHARGE RATE: - FT/MIN
 PID WELL MOUTH: 0.2 PPM
 TOTAL VOL. PURGED: ~4.5 GAL
 FINAL RECOVERY TIME (elapsed): - MIN
 FLUIDS LOST DURING DRILLING: 0 GAL
 END OF WELL DEVELOPMENT SAMPLE TAKEN? Y N

FIELD PARAMETERS

TIME	DTW (ft BMP)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	VOLUME PURGED (gal)	TOTAL GALLONS	COMMENTS
0922									-	-	
0928	3.05	~500	12.46	0.240	6.50	6.32	71000	-24.9	-	-	PID: 0.9 pph
0933	3.06		12.59	0.254	6.43	3.09	71000	-314.7	-	-	
0938	3.02		13.01	0.243	6.31	2.80	325	-46.3	-	-	
0943	3.00		13.15	0.235	6.26	2.33	7.55	-354.6	-	-2.5	
0948	2.95		13.26	0.235	6.21	2.27	3.12	-335.1	-	-	
0950									-	~4.5	
			13	0.235	6.2	2.3	3.1	-340			RCM 1/12/11

EQUIPMENT DOCUMENTATION

DEDICATED SUBMERSIBLE
 SURGE BLOCK
 BAILER
 GRUNDFOSS
 OTHER Parastaltic Pump with 3/8 LDPE tubing

WATER LEVEL METER
 PID NYSDEC 1
 WQ METER YSI
 TURB. METER Hach
 OTHER
 OTHER
 OTHER

WELL DEVELOPMENT CRITERIA

Well water clear to the unaided eye?
 Sediment thickness remaining in well < 1.0% of screen length?
 Total water removed = a minimum of 5x calculated well volumes plus 5x drilling fluids lost?
 Turbidity < 5NTUs?
 10% change in field parameters?

WAS DEVELOPMENT CRITERIA MET? Y N

ADDITIONAL OBSERVATIONS

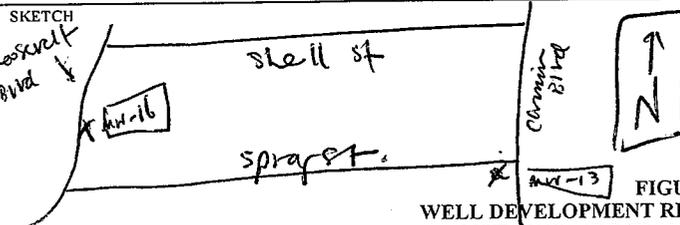
PURGE WATER CONTAINERIZED Y N
 NUMBER OF GALLONS GENERATED: ~4.5

NOTES

Well Developer Signature:

Checked By: RCM

Print Name: Brandon Shaw
 Date: 1/12/11



APPENDIX E-6

LOW FLOW GROUNDWATER SAMPLING FIELD DATA RECORDS

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING ^{13056 MW 03A 08/02/09} JOB NUMBER 3612092134-02-07

PROJECT NYSDEC Gent Uniform FIELD SAMPLE NUMBER 11-14
 SITE ID MW-3A SITE TYPE WELL DATE 10/28/09
 ACTIVITY START 1110 END 1210 SAMPLE TIME 11:10 (-14) 11/2/09/11-6/11-17

WATER LEVEL / PUMP SETTINGS MEASUREMENT POINT PROTECTIVE CASING / WELL DIFFER. CASING STICKUP (FROM GROUND) 0.0 FT WELL DIAM. 3/4" IN

INITIAL DEPTH TO WATER 9.17 FT TOP OF WELL RISER TOP OF PROTECTIVE CASING

FINAL DEPTH TO WATER ~302 FT WELL DEPTH (TOR) 2865 FT PID AMBIENT AIR - PPM

DRAWDOWN VOLUME - GAL SCREEN LENGTH Unknown FT PID WELL MOUTH - PPM

TOTAL VOL. PURGED - GAL RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED - PRESSURE TO PUMP - PSI

REFILL SETTING - DISCHARGE SETTING -

PURGE DATA	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (mS/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	COMMENTS
1113	13.11	200	15.07	0.190	11.24	7.49	20	-653	pump on
1121	17.05	200	14.97	0.190	11.57	3.37	39	-721	
1126	22.65	250	14.69	0.187	11.49	3.13	57	-710	
1131	27.13	250	14.58	0.186	11.45	2.32	51	-697	
1136	29.51	200	14.48	0.188	11.42	2.23	59	-665	
1137	30.2	-	-	-	-	-	-	-	
1138	pump off	-	-	-	-	-	-	-	pump off
	waiting for recharge	-	-	-	-	-	-	-	
1145	27.4	-	-	-	-	-	-	-	
1150	11.21	-	-	-	-	-	-	-	checked water level
1159	beginning to purge dry	-	-	-	-	-	-	-	
1157	dry	-	15.1	0.169	8.34	20.1	71000	-121	pid: 0.9 ppm
1160	9.69	-	-	-	-	-	-	-	- purging water is jet black removed ~4 gal
12-4	10.05	-	12.3	0.110	8.29	3.07	>1000	-128	Removed ~4 gal of blackish gray water w/ strong odor.
12-17	9.51	-	10.9	0.100	6.25	1.71	71000	-67	12-17 pid: 8.1
1-14	10.07	-	-	-	-	-	-	-	removed ~3 gal
1058	0 pump	-	-	-	-	-	-	-	
1104	12.81	150	10.7	0.073	8.23	3.01	45.2	-169	
1109	15.13	150	12.2	0.074	9.14	1.70	60.2	-357	
1110	sample time	-	-	-	-	-	-	-	pid (1-14) 9150 ppb
1122	pump off	-	-	-	-	-	-	-	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: GEOPUMP (peristaltic) QED BLADDER

TYPE OF TUBING: HIGH DENSITY POLYETHYLENE OTHER Silastic

TYPE OF PUMP MATERIAL: STAINLESS STEEL OTHER wire

TYPE OF BLADDER MATERIAL: TEFLON OTHER wire

ANALYTICAL PARAMETERS

VOC METHOD NUMBER USEPA-8260B PRESERVATION METHOD HCL / 4 DEG. C VOLUME REQUIRED 2 X 40 ML SAMPLE COLLECTED

SVOC METHOD NUMBER USEPA 8270C PRESERVATION METHOD 4 DEG. C VOLUME REQUIRED 2 X 1 LAG SAMPLE COLLECTED

NOTES: off u-22 read out.
 12/4/09 No product detected w/ oil-water phase probe (TC)

Historical info. LOCATION SKETCH installed to 8ft; 4/5' screen clay-layer @ 75'

Lim Repair Shop

SIGNATURE: [Signature]

MACTEC

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

JOB NUMBER 3612092134-12-0

PROJECT NYSDEC Gent Uniform

FIELD SAMPLE NUMBER B056MV03B05302XX+XB

SITE ID MW-3B

SITE TYPE WELL

DATE 10/28/09

ACTIVITY START 1215 END 1205

SAMPLE TIME 4:10:20 (1-14-10) \$ 11/2/09/11-6/11-17

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT TOP OF WELL RISER TOP OF PROTECTIVE CASING

PROTECTIVE CASING STICKUP (FROM GROUND) 0.0 FT

CASING / WELL DIFFER. 0.18 FT

INITIAL DEPTH TO WATER 8.91 FT

WELL DEPTH (TOR) 164.1 FT

WELL DIAM. ~3/4 IN

FINAL DEPTH TO WATER 32.3 FT

SCREEN LENGTH unknown FT

PID AMBIENT AIR - PPM

DRAWDOWN VOLUME DRY GAL

SCREEN LENGTH unknown FT

PID WELL MOUTH - PPM

WELL INTERGRITY: YES NO N/A

(initial - final x 0.16 (2-inch) or x0.65 (4-inch))

RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED unknown

PRESSURE TO PUMP - PSI

CAP YES NO N/A

TOTAL VOL. PURGED 0 GAL

REFILL SETTING -

DISCHARGE SETTING -

(purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (mS/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	COMMENTS
12:17	Pump on								Pump on
12:20	14.47	200	14.93	0.146	11.04	9.20	17.6	-692	
12:25	19.87	200	14.84	0.145	11.13	4.34	19.6	-725	
12:35	24.62	200	14.74	0.143	11.25	2.91	25.4	-784	
12:40	32.1	200	14.72	0.142	11.26	2.75	55.1	-783	
12:41	32.3	Pump off							Pump off
		waiting for recharge							
15:45	20.2								checked water level
11:40	11.80								
11:25	Respn	braking well							
11:32	DRY		13.8	0.149	8.07	2.97	71000	-121	PID: 20.1 ppm
15:55	9.99								-purple water
12-4	14:43		13.8	0.085	8.94	1.28	>1000	-162	is black ~2.5 gal removed
12-17	07:32		10.3	0.106	8.58	3.37	70000	-147	removed 2.25 gal
1-14	10:15						29.1		Strong odor
	10:20	Sample time					37.4		12-17: strong odor
	10:49	Pump off	11.9	0.118	8.96	0.19	11.8	-329	PID: 1.9 ppm
	10:49	31.1							1-14: PID: 900 ppb

EQUIPMENT DOCUMENTATION

TYPE OF PUMP GEOPUMP (peristaltic) QED BLADDER

TYPE OF TUBING HIGH DENSITY POLYETHYLENE OTHER Silastic

TYPE OF PUMP MATERIAL STAINLESS STEEL OTHER none

TYPE OF BLADDER MATERIAL TEFLON OTHER none

ANALYTICAL PARAMETERS

VPC SVOC + metals

METHOD NUMBER USEPA-8260B

PRESERVATION METHOD HCL / 4 DEG. C

VOLUME REQUIRED 2 X 40 ML

SAMPLE COLLECTED TOP

USEPA 8270C

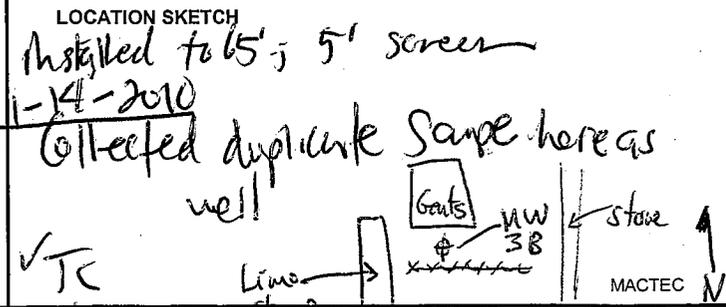
4 DEG. C

2 X 1 LAG

NOTES: Well dry; waiting for recharge

12-4 No product detected w/ oil-water phase meter

SIGNATURE: [Signature]



FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

JOB NUMBER 3612092134-0201

PROJECT NYSDEC Gent Uniform

FIELD SAMPLE NUMBER 130561 MW03C05002X1

SITE ID MW-3C

SITE TYPE WELL (1-14-0)

DATE 10/28/09

ACTIVITY START 1415 END 1535

SAMPLE TIME 0940 11/21/09 11-5:00

WATER LEVEL / PUMP SETTINGS

INITIAL DEPTH TO WATER 8.96 FT

FINAL DEPTH TO WATER ~30.2 FT

DRAWDOWN VOLUME — GAL
(initial - final x 0.16 (2-inch) or x 0.65 (4-inch))

TOTAL VOL. PURGED — GAL
(purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

MEASUREMENT POINT TOP OF WELL RISER TOP OF PROTECTIVE CASING

WELL DEPTH (TOR) 50.70 FT

SCREEN LENGTH unknown FT

RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED —

PROTECTIVE CASING STICKUP (FROM GROUND) 0.0 FT

PID AMBIENT AIR — PPM

PID WELL MOUTH — PPM

PRESSURE TO PUMP — PSI

REFILL SETTING —

CASING / WELL DIFFER. 0.23 FT

WELL DIAM. ~3/4 IN

WELL INTERGRITY: YES NO N/A

CAP

CASING LOCKED

COLLAR

DISCHARGE SETTING —

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	CONDUCTANCE (mS/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	COMMENTS
1435	14.77	200	15.27	0.218	9.14	9.74	10.9	-53	pump on
1440	20.34	200	15.01	0.215	9.24	4.13	43.1	-96	
1445	24.12	200	15.00	0.217	9.01	2.91	34.1	-85	
1450	27.38	200	15.03	0.212	8.88	2.62	28.2	-85	
1455	30.02	200	15.01	0.211	8.78	2.54	21.0	-75	
1456	31.2	pump off							pump off
1545	~30.2								waiting for redox
11/2 1445	11.90								checked water level
1400	Begin	Begin							w/ water in pump
1425	DRY								removed ~25 galls
11-5 1635	16.9								
11-6 115	Begin	Begin							Beginning to bail MW-3C
11-17 1130	DRY		14.2	0.631	7.34	3.02	7100	-59	removed ~2 gallons
12-4 1550	9.78								pid: 30.1 ppb
12-7 1425	10.02		14.8	0.756	8.73	<0.01	71000	-450	removed ~2 gallons
1-14 0733	9.82		11.9	0.763	8.38	1.31	71000	-102	pid: 0.7 ppb
0401	10.18								
0631	11.80	200	8.9	0.701	7.20	2.50	23.3	28	
0940	15.38	150	10.9	0.681	9.84	0.11	24.8	-344	pid: 0.1 ppb
0954	Sample time								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP

GEOPUMP (peristaltic) QED BLADDER

TYPE OF TUBING

HIGH DENSITY POLYETHYLENE OTHER Silastic

TYPE OF PUMP MATERIAL

STAINLESS STEEL OTHER none

TYPE OF BLADDER MATERIAL

TEFLON OTHER none

ANALYTICAL PARAMETERS

VOC SVOC

METHOD NUMBER USEPA-8260B USEPA 8270C

PRESERVATION METHOD HCL 14 DEG. C 4 DEG. C

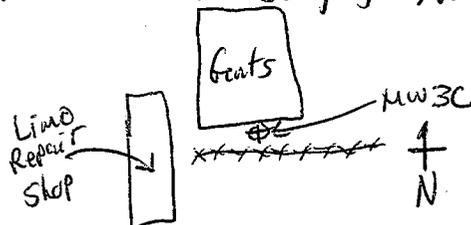
VOLUME REQUIRED 2 3 X 40 ML 2 X 1 LAG

SAMPLE COLLECTED

NOTES: 11/21 purge water is black
pid: — ppm

LOCATION SKETCH

installed to 50'; 5' screen



SIGNATURE: TC 11/27/10

MACTEC

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

JOB NUMBER 3612092134.02.01

PROJECT NYSDEC Gent Uniform FIELD SAMPLE NUMBER 150036 MW03D 06501XX
 SITE ID MW-3D SITE TYPE WELL DATE 10/28/09
 ACTIVITY START 0940 END 1115 SAMPLE TIME 11/2/09 11/5/11-6/11/11

WATER LEVEL / PUMP SETTINGS MEASUREMENT POINT TOP OF WELL RISER
 INITIAL DEPTH TO WATER 9.05 FT PROTECTIVE CASING STICKUP (FROM GROUND) 0.0 FT CASING / WELL DIFFER. 0.17 FT
 FINAL DEPTH TO WATER ~30.1 FT WELL DEPTH (TOR) 69.09 FT WELL DIAM. ~3/4 IN
 DRAWDOWN VOLUME --- GAL SCREEN LENGTH unknown FT
 TOTAL VOL. PURGED --- GAL RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED ---
 REFILL SETTING --- DISCHARGE SETTING ---

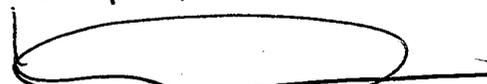
PURGE DATA	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (mS/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	COMMENTS
1008	Pump on	150	15.14	0.094	9.24	9.19	13.0	143	Pump on
1011	13.05	150	15.04	0.097	10.44	4.34	11.8	121	
1016	15.65	150	14.90	0.095	11.39	3.91	12.9	104	
1021	18.60	150	14.82	0.094	11.58	3.44	14.0	89	
1026	20.81	150	14.67	0.093	11.59	3.54	13.3	77	
1031	22.50	150	14.79	0.092	11.60	2.55	15.1	65	
1036	25.35	150	14.74	0.093	11.61	2.68	17.3	30	
1041	26.95	150	14.73	0.093	11.62	2.54	16.9	-13	
1046	29.8	150	14.66	0.093	11.66	2.77	---	-39	
1050	30.1	---	---	---	---	---	---	---	
1057	Pump off	---	---	---	---	---	---	---	pump off
---	---	---	---	---	---	---	---	---	will not wait for recharge
1115	24.1	---	---	---	---	---	---	---	
1545	26.2	---	---	---	---	---	---	---	
1145	11.61	---	---	---	---	---	---	---	checked water level
1320	Began using water	---	---	---	---	---	---	---	removed ~2 gallons
1340	50.47	---	---	---	---	---	71000	---	removed ~3 gallons
1352	72.5	---	---	---	---	---	---	---	black purge water; PID: 3-7 ppm
---	---	---	---	---	---	---	---	---	Will let recharge to sample water
11-5-09	1635	27.9	---	---	---	---	---	---	
11-6	1100	Began using water	---	---	7.14	---	---	---	
11-17	1107	well dry	13.7	0.101	7.7	3.63	71000	-22	PID: 1.9 ppm
12-4	1545	10.09	---	---	---	---	---	---	purple water
12-17	1405	21.92	13.2	0.083	8.72	6.44	>1000	-180	was black again
1-14	0734	10.23	10.4	0.157	5.82	4.11	71000	59	removed ~1.5 gallons
---	0835	10.10	---	---	---	---	---	---	
---	0853	11.90	6.1	0.217	5.45	2.34	17.7	145	12-17: PID 1.1 ppm
---	0857	14.61	7.3	0.170	6.29	0.10	16.4	132	1-14: PID: 87 ppm
---	0900	Sample time	---	---	---	---	---	---	

EQUIPMENT DOCUMENTATION
 TYPE OF PUMP: GEOPUMP (peristaltic) QED BLADDER
 TYPE OF TUBING: HIGH DENSITY POLYETHYLENE OTHER: 3/8" HDPE
 TYPE OF PUMP MATERIAL: STAINLESS STEEL OTHER: none
 TYPE OF BLADDER MATERIAL: TEFLON OTHER: none

ANALYTICAL PARAMETERS
 VOC VOV
 METHOD NUMBER: USEPA-8260B
 PRESERVATION METHOD: HCL / 4 DEG. C
 VOLUME REQUIRED: 3 X 40 ML
 SAMPLE COLLECTED: BTR

NOTES:
 (X) water level appears to be influenced by supply well #2 onsite.
 (X) pump off; cannot pull water any lower

LOCATION SKETCH
 01-14-10j pump off & purged ~ 0.5 gallons
 Gents
 Limb Repair Shop
 MW-30
 Steve B/V/B
 N
 MACTEC

SIGNATURE:  JTC 11/27/10

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

JOB NUMBER 3612092134-02.01

PROJECT NYSDEC Gent Uniform

FIELD SAMPLE NUMBER 130056 MW4MM01501XX

SITE ID MW-4(MM)

SITE TYPE WELL

DATE 10/27/09

ACTIVITY START 0935 END 1145

SAMPLE TIME 1130

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING

PROTECTIVE CASING STICKUP (FROM GROUND) 0.0 FT

CASING / WELL DIFFER. 0.79 FT

INITIAL DEPTH TO WATER 7.34 FT

WELL DEPTH (TOR) 18.85 FT

PID AMBIENT AIR - PPM

WELL DIAM. 2 IN

FINAL DEPTH TO WATER 7.34 FT

SCREEN LENGTH UNKNOWN FT

PID WELL MOUTH - PPM

WELL INTERGRITY: YES NO N/A

DRAWDOWN VOLUME 40.1 GAL
 (initial - final x 0.16 {2-inch} or x 0.65 {4-inch})

RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED

PRESSURE TO PUMP - PSI

CAP LOCKED YES NO N/A

TOTAL VOL. PURGED 4.7 GAL
 (purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

NA

REFILL SETTING -

DISCHARGE SETTING -

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	CONDUCTANCE (mS/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	COMMENTS
1030	Pump on								Pump on
1035	7.34	275	16.06	0.458	6.03	12.44	121	87	
1040	7.34	325	16.30	0.446	7.00	6.20	167	62	
1045	7.34	325	16.55	0.320	6.98	6.21	158	119	
1050	7.34	325	16.59	0.244	6.89	5.95	116	108	
1055	7.34	325	16.59	0.299	6.94	6.11	102	104	
1100	7.34	325	16.58	0.304	7.01	5.30	40.8	60	
1105	7.34	325	16.57	0.316	7.00	5.03	35.7	43	
1110	7.34	325	16.55	0.331	7.04	4.97	18.0	18	
1115	7.34	325	16.54	0.334	7.07	4.70	9.06	6	
1120	7.34	325	16.52	0.341	7.08	4.64	8.11	-2	
1125	7.34	325	16.50	0.346	7.09	4.59	8.01	-4	11250
1130	Sample time								Sample time
1139	Pump off								Pump off

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: GEOPUMP (peristaltic) QED BLADDER
 TYPE OF TUBING: HIGH DENSITY POLYETHYLENE OTHER Silastic
 TYPE OF PUMP MATERIAL: STAINLESS STEEL OTHER none
 TYPE OF BLADDER MATERIAL: TEFLON OTHER none

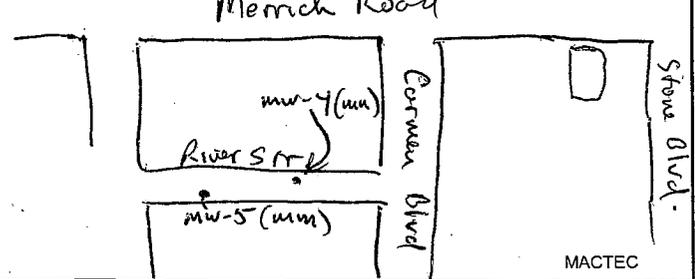
ANALYTICAL PARAMETERS

VOC SVOC
 METHOD NUMBER: USEPA-8260B USEPA 8270C
 PRESERVATION METHOD: HCL 14 DEG. C 4 DEG. C
 VOLUME REQUIRED: 3 X 40 ML 2 X 1 LAG
 SAMPLE COLLECTED:

NOTES:

Signature: *Brandon Shaw*

LOCATION SKETCH



MACTEC

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

JOB NUMBER 3612092134-02-01

PROJECT NYSDEC Gent Uniform

FIELD SAMPLE NUMBER 130056 MW5 MM 016 012A

SITE ID MW-5 MM

SITE TYPE WELL

DATE 10/27/09

ACTIVITY START 1130 END 1310

SAMPLE TIME 1250

WATER LEVEL / PUMP SETTINGS

INITIAL DEPTH TO WATER 5.50
4.50 FT

FINAL DEPTH TO WATER 5.50 FT

DRAWDOWN VOLUME 0 GAL
(initial - final x 0.16 (2-inch) or x 0.65 (4-inch))

TOTAL VOL. PURGED 2.2 GAL
(purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING

WELL DEPTH (TOR) 18.82 FT
* BPS 1-7-2010.
SCREEN LENGTH UMC FT

RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED

PROTECTIVE CASING STICKUP (FROM GROUND) Flush FT

PID AMBIENT AIR 0.1 PPM

PID WELL MOUTH 0.3 PPM

PRESSURE TO PUMP NA PSI

REFILL SETTING NA

CASING / WELL DIFFER. 0.82 FT

WELL DIAM. 2 IN

WELL INTERGRITY: YES NO N/A

CAP LOCKED COLLAR

DISCHARGE SETTING NA

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	CONDUCTANCE (mS/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	COMMENTS
1144	4.50	Start pump and set rate							
1150	5.49	150	15.7	0.335	6.5	3.2	4.2	156	
1155	5.49	↓	15.9	0.290	6.5	2.6	3.2	151	
1200	5.50	170	16.0	0.282	6.6	2.5	1.9	150	
1205	5.50	↓	16.1	0.281	6.6	2.5	2.2	149	
1210	5.50	↓	16.0	0.283	6.6	2.3	1.6	149	
1215	5.50	160	16.0	0.287	6.6	1.7	1.4	149	
1220	5.50	↓	16.0	0.296	6.5	1.6	2.1	149	
1225	5.50	↓	15.9	0.303	6.5	1.6	1.5	150	
1230	5.50	160	15.9	0.309	6.5	1.5	1.7	150	
1235	5.50	↓	15.9	0.311	6.5	1.6	1.3	151	

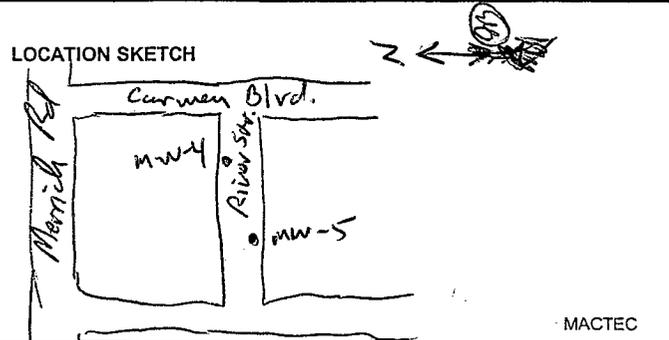
EQUIPMENT DOCUMENTATION

TYPE OF PUMP: GEOPUMP (peristaltic) QED BLADDER
 TYPE OF TUBING: HIGH DENSITY POLYETHYLENE OTHER LDPE/SLURC
 TYPE OF PUMP MATERIAL: STAINLESS STEEL OTHER
 TYPE OF BLADDER MATERIAL: TEFLON OTHER

ANALYTICAL PARAMETERS

VOC SVOC
 METHOD NUMBER: USEPA-8260B
 PRESERVATION METHOD: HCL / 4 DEG. C
 VOLUME REQUIRED: 3 X 40 ML
 SAMPLE COLLECTED:
 METHOD NUMBER: USEPA 8270C
 PRESERVATION METHOD: 4 DEG. C
 VOLUME REQUIRED: 2 X 1 LAG
 SAMPLE COLLECTED:

NOTES: No colors or P/D readings on purge water



SIGNATURE: *Jerry R...*

MACTEC

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

JOB NUMBER 3612092134-02-01

PROJECT NYSDEC Gent Uniform FIELD SAMPLE NUMBER 13045 6 MW 1RR019 0L X
 SITE ID MW-1(RR) SITE TYPE WELL DATE 10/27/09
 ACTIVITY START 1245 END 1405 SAMPLE TIME 1340

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING

PROTECTIVE CASING STICKUP (FROM GROUND) 0.0 FT
 CASING / WELL DIFFER. 0.38 FT

INITIAL DEPTH TO WATER 9.98 FT
 FINAL DEPTH TO WATER 9.98 FT
 WELL DEPTH (TOR) 23.40 FT
 WELLS DIAM. 4 IN

DRAWDOWN VOLUME 6.1 GAL
 (initial - final x 0.16 (2-inch) or x 0.65 (4-inch))
 SCREEN LENGTH UNKNOWN FT
 PID AMBIENT AIR - PPM
 PID WELL MOUTH - PPM
 WELL INTERGRITY:
 YES NO N/A
 CAP
 CASING LOCKED
 COLLAR

TOTAL VOL. PURGED 3.0 GAL
 (purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED 6.1
 PRESSURE TO PUMP - PSI
 REFILL SETTING - DISCHARGE SETTING -

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (mS/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	COMMENTS
1302	pump on								pump on
1305	9.98	300	16.34	0.248	7.15	8.81	2.71	232	
1310	9.98	300	16.41	0.249	7.11	7.01	1.51	227	
1315	9.98	300	16.44	0.248	7.06	6.31	0.80	225	
1320	9.98	300	16.55	0.246	7.05	5.46	0.63	225	
1325	9.98	300	16.57	0.241	7.06	5.79		224	
1330	9.98	300	16.48	0.249	7.02	5.94	0.93	230	
1335	9.99	310	16.41	0.253	7.01	5.86	0.80	233	
1340	sample time								sample time
1352	pump off								pump off

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
 GEOPUMP (peristaltic)
 QED BLADDER

TYPE OF TUBING
 HIGH DENSITY POLYETHYLENE
 OTHER silastic

TYPE OF PUMP MATERIAL
 STAINLESS STEEL
 OTHER none

TYPE OF BLADDER MATERIAL
 TEFLON
 OTHER none

ANALYTICAL PARAMETERS

VOC + metals
 SVOC

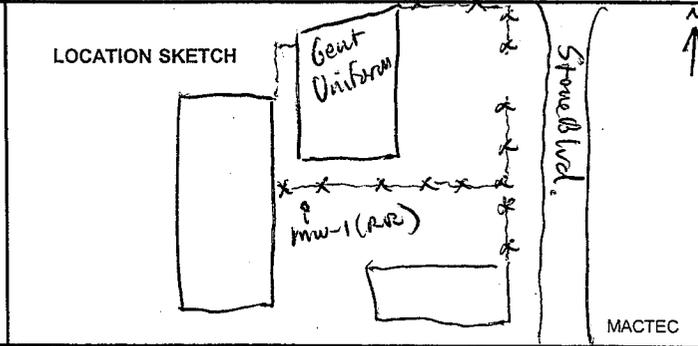
METHOD NUMBER USEPA-8260B
 USEPA 8270C

PRESERVATION METHOD HCL / 4 DEG. C
 4 DEG. C

VOLUME REQUIRED 3 X 40 ML
 2 X 1 LAG

SAMPLE COLLECTED

NOTES: PID on purge water: 41 PPM
~~collected dup here also~~ BLS
 Signature: Branlon Shaw



FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

JOB NUMBER 3612092134-02.01

PROJECT NYSDEC Gent Uniform

FIELD SAMPLE NUMBER 130056 MW004016 01X

SITE ID MW-4

SITE TYPE WELL

DATE 10/27/09

ACTIVITY START 1420 END 1535

SAMPLE TIME 1515

WATER LEVEL / PUMP SETTINGS

INITIAL DEPTH TO WATER 10.65 FT
 FINAL DEPTH TO WATER 10.70 FT
 DRAWDOWN VOLUME 1.005 GAL
 (initial - final x 0.16 {2-inch} or x 0.65 {4-inch})
 TOTAL VOL. PURGED 2.0 GAL
 (purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 WELL DEPTH (TOR) 10.85 FT
 SCREEN LENGTH UNKNOWN FT
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED 1.003

PROTECTIVE CASING STICKUP (FROM GROUND) 0.0 FT
 PID AMBIENT AIR — PPM
 PID WELL MOUTH — PPM
 PRESSURE TO PUMP — PSI
 REFILL SETTING —

CASING / WELL DIFFER. 0.21 FT
 WELL DIAM. ~ 3/4" IN
 WELL INTERGRITY:
 CAP YES NO N/A
 CASING LOCKED YES NO N/A
 COLLAR YES NO N/A
 DISCHARGE SETTING —

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	CONDUCTANCE (mS/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	COMMENTS
1444	10.64	250	16.04	0.270	6.44	11.32	3.02	269	Pump on
1447	10.64	250	16.30	0.291	6.84	6.19	1.21	—	
1452	10.64	250	16.52	0.304	6.82	5.94	0.46	254	
1457	10.64	250	16.41	0.321	6.81	5.24	0.73	250	
1502	10.64	250	16.46	0.337	6.82	5.13	0.86	245	
1512	10.70	250	16.51	0.324	6.81	5.07	0.45	245	
1515	Sample time								Sample the pump off.
1522	pump off								

EQUIPMENT DOCUMENTATION

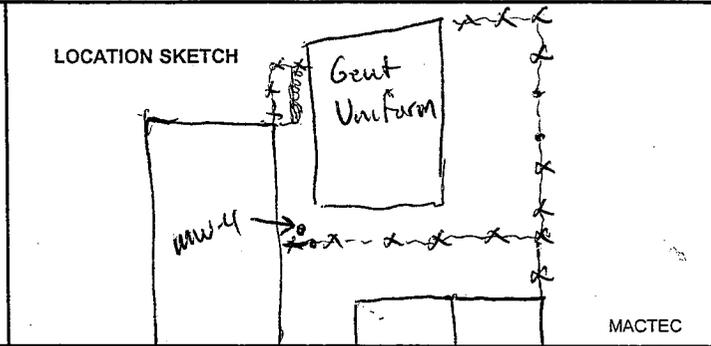
TYPE OF PUMP: GEOPUMP (peristaltic) QED BLADDER
 TYPE OF TUBING: HIGH DENSITY POLYETHYLENE OTHER *Silastic*
 TYPE OF PUMP MATERIAL: STAINLESS STEEL OTHER *None*
 TYPE OF BLADDER MATERIAL: TEFLON OTHER *None*

ANALYTICAL PARAMETERS

VOC SVOC
 METHOD NUMBER: USEPA-8260B
 PRESERVATION METHOD: HCL / 4 DEG. C
 VOLUME REQUIRED: 3 X 40 ML
 SAMPLE COLLECTED:
 METHOD NUMBER: USEPA 8270C
 PRESERVATION METHOD: 4 DEG. C
 VOLUME REQUIRED: 2 X 1 LAG
 SAMPLE COLLECTED:

NOTES:

 Signature: *Brandon Shaw*



MACTEC

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

JOB NUMBER 3612092134-02.01

PROJECT NYSDEC Gent Uniform

FIELD SAMPLE NUMBER 130056MW2RR01901XX

SITE ID MW-2(RR)

SITE TYPE WELL

DATE 10/27/09

ACTIVITY START 1340 END 1540

SAMPLE TIME 1520

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING

PROTECTIVE CASING STICKUP (FROM GROUND) Flush 0
~~0.28~~ FT

CASING / WELL DIFFER. 0.28 FT

INITIAL DEPTH TO WATER 9.64 FT

WELL DEPTH (TOR) 21.95 FT

PID AMBIENT AIR 0.6 PPM

FINAL DEPTH TO WATER 9.70 FT

SCREEN LENGTH UNK FT

PID WELL MOUTH 0.7 PPM

DRAWDOWN VOLUME 0.04 GAL
 (initial - final x 0.16 (2-inch) or x 0.65 (4-inch))

RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED .01

PRESSURE TO PUMP NA PSI

TOTAL VOL. PURGED 2.6 GAL
 (purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

REFILL SETTING NA

WELL INTERGRITY:
 YES NO N/A
 CAP
 CASING
 LOCKED
 COLLAR

DISCHARGE SETTING NA

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	CONDUCTANCE (mS/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	COMMENTS
1411	9.66	Start pump card set all							
1415	9.62	175	16.8	0.381	6.5	2.2	0.6	158	
1420	9.71	↓	17.1	0.380	6.6	1.6	0.7	154	
1425	9.65	↓	17.3	0.380	6.6	1.4	0.6	151	2450
1430	9.64	180	17.5	0.379	6.6	1.4	0.7	151	
1435	9.70	↓	17.4	0.376	6.6	1.4	0.6	150	
1440	9.66	↓	17.5	0.377	6.6	1.4	0.5	150	2700
1445	9.65	190	17.5	0.373	6.6	1.4	0.5	150	
1450			17.3	0.369	6.6	1.6		150	(82) missed 1450 reading
1455	9.72	130	17.3	0.369	6.6	1.6	0.7	150	2850
1500	9.64	↓	17.5	0.367	6.6	1.8	0.5	150	
1505	9.73	↓	17.4	0.366	6.6	1.9	0.5	150	
1510	9.70	↓	17.4	0.367	6.6	1.9	0.5	150	1950

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
 GEOPUMP (peristaltic)
 QED BLADDER

TYPE OF TUBING
 HIGH DENSITY POLYETHYLENE
 OTHER LOPE/Silastic

TYPE OF PUMP MATERIAL
 STAINLESS STEEL
 OTHER

TYPE OF BLADDER MATERIAL
 TEFLON
 OTHER

ANALYTICAL PARAMETERS

VOC
 SVOC

METHOD NUMBER
 USEPA-8260B
 USEPA 8270C

PRESERVATION METHOD
 HCL / 4 DEG. C
 4 DEG. C

VOLUME REQUIRED
 3 X 40 ML
 2 X 1 LAG

SAMPLE COLLECTED

NOTES:

LOCATION SKETCH

SIGNATURE: Jerry Rauloff

MACTEC

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

JOB NUMBER 3612092134-02-01

PROJECT NYSDEC Gent Uniform

FIELD SAMPLE NUMBER 130056 AS005022-D1XX / MS/MSD

SITE ID AS-5

SITE TYPE WELL

DATE 10/27/09

ACTIVITY START 1550. END 1720.

SAMPLE TIME 1645.

WATER LEVEL / PUMP SETTINGS

INITIAL DEPTH TO WATER 10.99 FT
 FINAL DEPTH TO WATER 11.09 FT
 DRAWDOWN VOLUME .008 GAL
 TOTAL VOL. PURGED 3.0 GAL

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 WELL DEPTH (TOR) ~26.3 FT
 SCREEN LENGTH UNKNOWN FT
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED .002

PROTECTIVE CASING STICKUP (FROM GROUND) +0.13 FT
 PID AMBIENT AIR — PPM
 PID WELL MOUTH — PPM
 PRESSURE TO PUMP — PSI
 REFILL SETTING —

CASING / WELL DIFFER. NA FT
 WELL DIAM. ~3/4" IN
 WELL INTERGRITY: YES NO N/A
 CAP —
 CASING LOCKED —
 COLLAR —
 DISCHARGE SETTING —

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	CONDUCTANCE (mS/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	COMMENTS
1601	11.04	150	16.31	0.530	6.88	11.63	69.9	26.	pump on
1605	11.01	150	16.06	0.568	6.79	6.64	23.3	46.	Δ purge rate @ 1611
1610	11.01	200	15.77	0.576	6.75	4.84	11.2	71.	Δ purge rate @ 1616
1615	11.18	300	15.63	0.577	6.74	4.45	10.0	78.	1350
1620	11.14	300	15.61	0.580	6.72	4.01	3.89	91.	1000
1625	11.19	300	15.59	0.582	6.71	3.75	2.11	102.	
1630	11.19	300	15.61	0.581	6.70	3.60	1.79	107.	
1635	11.17	300	15.60	0.586	6.71	3.51	1.6	109.	off the u-22.
1640	Sample	Final							sample time
1645	Sample	Final							sample time
1711	pump off								pump off

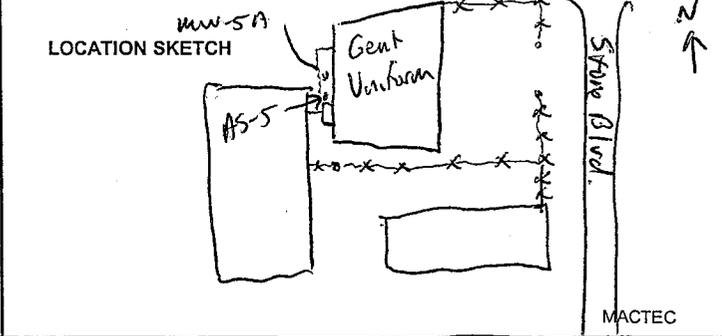
EQUIPMENT DOCUMENTATION

TYPE OF PUMP: GEOPUMP (peristaltic) QED BLADDER
 TYPE OF TUBING: HIGH DENSITY POLYETHYLENE OTHER Silastic
 TYPE OF PUMP MATERIAL: STAINLESS STEEL OTHER none
 TYPE OF BLADDER MATERIAL: TEFLON OTHER none

ANALYTICAL PARAMETERS

VOC SVOC
 METHOD NUMBER: USEPA-8260B USEPA 8270C
 PRESERVATION METHOD: HCL / 4 DEG. C 4 DEG. C
 VOLUME REQUIRED: 3 X 40 ML 2 X 1 LAG
 SAMPLE COLLECTED:

NOTES: purge water has anaerobic / H₂S od' like odor; slight sand in water. -collected MS/MSD were also
 Signature: Brandon Shrews



FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

JOB NUMBER 3612092134-02.d

PROJECT NYSDEC Gent Uniform

FIELD SAMPLE NUMBER 130056MW00201401XX

SITE ID MW-2

SITE TYPE WELL

DATE 10/27/09

ACTIVITY START 1600 END 1730

SAMPLE TIME 1715

WATER LEVEL / PUMP SETTINGS

INITIAL DEPTH TO WATER 9.98 FT

FINAL DEPTH TO WATER 9.98 FT

DRAWDOWN VOLUME — GAL
(initial - final x 0.16 (2-inch) or x 0.65 (4-inch))

TOTAL VOL. PURGED 1.9 GAL
(purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING

WELL DEPTH (TOR) 16.1 FT

SCREEN LENGTH VWR FT

RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED —

PROTECTIVE CASING STICKUP (FROM GROUND) Flush 0 FT

PID AMBIENT AIR 0.6 PPM

PID WELL MOUTH — PPM

PRESSURE TO PUMP NA PSI

REFILL SETTING NA

CASING / WELL DIFFER. — FT

WELL DIAM. 3/4" PVC IN

WELL INTERGRITY:

YES	NO	N/A
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

DISCHARGE SETTING NA

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	CONDUCTANCE (mS/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	COMMENTS
1614	9.98	Start pump and		set rate.					
1617	9.91	150	16.5	0.141	6.9	8.9	1.1	157	
1625	9.88		16.8	0.144	6.7	8.2	0.3	162	
1630	9.98		16.9	0.163	6.8	7.9	0.4	155	
1635	9.89		17.0	0.154	6.8	7.8	0.3	154	3150
1640	9.92	160	17.0	0.156	6.8	7.8	0.2	153	
1645	9.99		17.0	0.150	6.8	7.6	0.2	157	
1650	9.91		17.0	0.165	6.8	7.7	0.2	152	
1655	9.88	160	17.0	0.164	6.8	7.7	0.2	152	
1700	9.98		17.0	0.169	6.8	7.6	0.3	151	

EQUIPMENT DOCUMENTATION

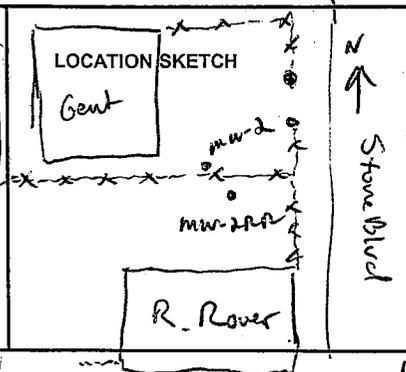
TYPE OF PUMP: GEOPUMP (peristaltic) QED BLADDER
 TYPE OF TUBING: HIGH DENSITY POLYETHYLENE OTHER HOPE/Silastic
 TYPE OF PUMP MATERIAL: STAINLESS STEEL OTHER NA
 TYPE OF BLADDER MATERIAL: TEFLON OTHER NA

ANALYTICAL PARAMETERS

VOC SVOC
 METHOD NUMBER: USEPA-8260B
 PRESERVATION METHOD: HCL / 4 DEG. C
 VOLUME REQUIRED: 3 X 40 ML
 SAMPLE COLLECTED:
 METHOD NUMBER: USEPA 8270C
 PRESERVATION METHOD: 4 DEG. C
 VOLUME REQUIRED: 2 X 1 LAG
 SAMPLE COLLECTED:

NOTES: No odors or H₂O readings on water - purge water dumped onsite.

SIGNATURE: *Jerry R. Rover*



MACTEC

Jan 3/10/11

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

JOB NUMBER 3612092134-02.01

PROJECT NYSDEC Gent Uniform

FIELD SAMPLE NUMBER 130056mw0301501xx (X10)

SITE ID mw-3

SITE TYPE WELL

DATE 10/28/09

ACTIVITY START 1000 END 1210

SAMPLE TIME 1200

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING

PROTECTIVE CASING STICKUP (FROM GROUND) 0 FT

CASING / WELL DIFFER. 0.25 FT

INITIAL DEPTH TO WATER 9.82 FT

WELL DEPTH (TOR) 19.5 FT

PID AMBIENT AIR 0.5 PPM

WELL DIAM. 3/4" IN

FINAL DEPTH TO WATER — FT

SCREEN LENGTH UNK FT

PID WELL MOUTH 0.5 PPM

WELL INTERGRITY:
 YES NO N/A
 CAP — —
 CASING — —
 LOCKED — —
 COLLAR — —

DRAWDOWN VOLUME — GAL
 (initial - final x 0.16 (2-inch) or x 0.65 (4-inch))

RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED —

PRESSURE TO PUMP NA PSI

TOTAL VOL. PURGED 3.5 GAL
 (purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

REFILL SETTING NA

DISCHARGE SETTING NA

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (m/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (mS/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	COMMENTS
1015	9.82	Start pump and set rate							
1020	9.82	180	16.3	0.165	6.1	3.5	1.3	235	
1025	9.81		16.4	0.164	6.5	3.6	0.9	215	
1030	9.82		16.4	0.165	6.6	3.7	0.7	206	
1035	9.82		16.5	0.167	6.7	3.5	0.6	197	3000
1040	9.81	200	16.5	0.170	6.8	3.5	0.3	191	
1045	9.94		16.6	0.172	6.9	3.4	0.3	183	Missed reading
1055	9.88		16.7	0.172	6.9	3.4	0.4	180	
1100	9.85	200	17.0	0.176	6.8	3.3	0.8	182	2000
1105	9.82	200	17.5	0.191	7.0	3.4	1.2	172	
1110	9.82		16.4	0.186	7.0	3.6	1.0	170	
1115	9.81		16.4	0.179	7.0	3.9	0.8	171	
1120	9.81		16.3	0.179	7.0	3.9	0.5	170	3500
1125	9.81	180	16.4	0.179	7.0	3.8	0.3	170	100

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: GEOPUMP (peristaltic) QED BLADDER

TYPE OF TUBING: HIGH DENSITY POLYETHYLENE OTHER LDPE/Silastic

TYPE OF PUMP MATERIAL: STAINLESS STEEL OTHER

TYPE OF BLADDER MATERIAL: TEFLON OTHER

ANALYTICAL PARAMETERS

VOC SVOC

METHOD NUMBER: USEPA-8260B / USEPA 8270C

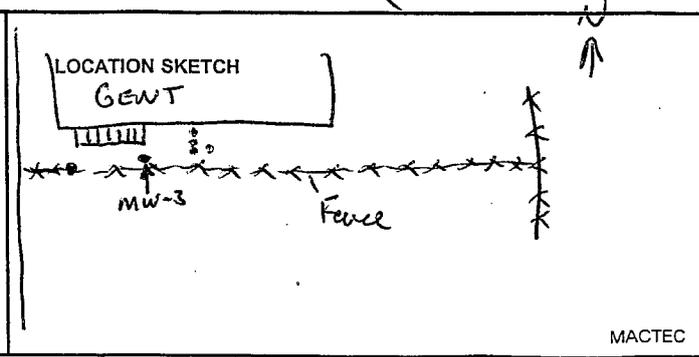
PRESERVATION METHOD: HCL / 4 DEG. C / 4 DEG. C

VOLUME REQUIRED: 3 X 40 ML / 2 X 1 LAG

SAMPLE COLLECTED: /

NOTES: Collected Duplicate Sample

SIGNATURE: *Jerry Rauloff*



Please TAKE THIS for your PROJECT FILE!

This helps document measurement quality and manage risks.

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT: _____

DATE: 10/23/09

PROJECT NUMBER: 3612092134/02.01

CALIBRATED BY: PC

MULTI-PARAMETER WATER QUALITY MONITORING SYSTEM:

MODEL: Horiba-U22

Horiba-U10

UNIT ID NUMBER: M015-01

M014-_____

	pH	Conductivity	DO	Temperature
	Units	mS/cm	mg/L.*	deg. C
CONCENTRATION	4.00	4.49	8.68	21.4
RESULTS	<u>4.00</u>	<u>4.49</u>	<u>8.55</u>	<u>20.8</u>
ACCEPTABLE CRITERIA	+/- 10% of standard	+/- 10% of standard	+/- 10% of standard	+/- 2.0 deg. C

Auto Calibration Fluids: Auto Cal Solution

Standard Source: Lot Number: 7162

Expiration Date: 5/26/10

TURBIDITY METER TYPE:

MODEL: HACH2100P

Lamotte 2020

UNIT ID NUMBER: M024-_____

STANDARD VALUE	< 0.01 NTU (low)	800 NTU (high)
METER VALUE	_____ NTU	_____ NTU
ACCEPTABLE CRITERIA	within 0.3 NTU of standard	+/- 10% of standard

PHOTO IONIZATION DEVICE:

MODEL: thermo 580B

Mini RAE 2000

UNIT ID NUMBER: M001-_____

CALIBRATION GAS LOT NUMBER:

	Zero Air	Span Gas
BACKGROUND	0 ppmv	100 ppmv
METER VALUE	_____ ppmv	_____ ppmv
ACCEPTABLE CRITERIA	within 5 ppmv of 0	+/- 10% of standard

O2-LEL

MODEL: V-REA

UNIT ID NUMBER: M012-_____

CALIBRATION GAS LOT NUMBER: _____

GAS USED	METHANE	OXYGEN	H2S	CO
CONCENTRATION	50%	20.90%	25 ppm	50 ppm
RESULTS				

J. Carr 10/24/09

Please TAKE THIS for your PROJECT FILE!

This helps document measurement quality and manage risks.

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT: _____
 PROJECT NUMBER: 3612092134/02.01

DATE: 10/23/09
 CALIBRATED BY: BC

MULTI-PARAMETER WATER QUALITY MONITORING SYSTEM:

MODEL: Horiba-U22 Horiba-U10
 UNIT ID NUMBER: M015- 06 M014- _____

	pH	Conductivity	DO	Temperature
	Units	mS/cm	mg/L *	deg. C
CONCENTRATION	4.00	4.49	8.68	21.6
RESULTS	4.00	4.49	8.57	20.6
ACCEPTABLE CRITERIA	+/- 10% of standard	+/- 10% of standard	+/- 10% of standard	+/- 2.0 deg. C

Auto Calibration Fluids: Auto Cal Solution
 Standard Source: Lot Number: 7162 Expiration Date: 5/26/10

TURBIDITY METER TYPE:

MODEL: HACH2100P Lamotte 2020
 UNIT ID NUMBER: M024- _____

STANDARD VALUE	< 0.01 NTU (low)	800 NTU (high)
METER VALUE	_____ NTU	_____ NTU
ACCEPTABLE CRITERIA	within 0.3 NTU of standard	+/- 10% of standard

PHOTO IONIZATION DEVICE:

MODEL: thermo 580B Miñi RAE 2000
 UNIT ID NUMBER: M001- _____

CALIBRATION GAS LOT NUMBER: _____

	Zero Air	Span Gas
BACKGROUND	0 ppmv	100 ppmv
METER VALUE	_____ ppmv	_____ ppmv
ACCEPTABLE CRITERIA	within 5 ppmv of 0	+/- 10% of standard

O2-LEL

MODEL: V-REA
 UNIT ID NUMBER: M012- _____
 CALIBRATION GAS LOT NUMBER: _____

GAS USED	METHANE	OXYGEN	H2S	CO
CONCENTRATION	50%	20.90%	25 ppm	50 ppm
RESULTS				

*New Fr Probe installed
 10/23/09*

1 cur 3/10/11

Please TAKE THIS for your PROJECT FILE!

This helps document measurement quality and manage risks.

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT: Gen 5 Uniform
 PROJECT NUMBER: 361209213A / 02.1

DATE: October 27, 09
 CALIBRATED BY: BAS

MULTI-PARAMETER WATER QUALITY MONITORING SYSTEM:

MODEL: Horiba-U22 ~~Horiba-U10~~ #s
 UNIT ID NUMBER: M015-06 ~~M014-~~

	pH Units	Conductivity mS/cm	DO mg/L*	Temperature deg. C
CONCENTRATION	4.00	4.49	9.4	17
RESULTS	3.99	4.44	9.37	17.12
ACCEPTABLE CRITERIA	+/- 10% of standard	+/- 10% of standard	+/- 10% of standard	+/- 2.0 deg. C

Auto Calibration Fluids: Auto Cal Solution
 Standard Source: Lot Number: 7162 Expiration Date: 05/26/2010

TURBIDITY METER TYPE:

MODEL: HACH2100P ~~Lamotte 2020~~
 UNIT ID NUMBER: M024-AP

STANDARD VALUE	<u>< 0.01 NTU (low)</u>	<u>800 NTU (high)</u>
METER VALUE	<u>NTU</u>	<u>NTU</u>
ACCEPTABLE CRITERIA	<u>within 0.3 NTU of standard</u>	<u>+/- 10% of standard</u>

PHOTO IONIZATION DEVICE:

MODEL: thermo 580B ~~Mini RAE 2000~~
 UNIT ID NUMBER: M001AS
 CALIBRATION GAS LOT NUMBER: _____

BACKGROUND	<u>Zero Air</u>	<u>Span Gas</u>
METER VALUE	<u>0 ppmv</u>	<u>100 ppmv</u>
ACCEPTABLE CRITERIA	<u>within 5 ppmv of 0</u>	<u>+/- 10% of standard</u>

O2-LEL

MODEL: V-REA ~~_____~~
 UNIT ID NUMBER: M012-BAS
 CALIBRATION GAS LOT NUMBER: _____

GAS USED	METHANE	OXYGEN	H2S	CO
CONCENTRATION	<u>50%</u>	<u>20.90%</u>	<u>25 ppm</u>	<u>50 ppm</u>
RESULTS				

13/18/11. ORZ

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT OLD-CHENANGO-CANAL-UTICA, NY-GWT

DATE 10/27/07

TIME 1000

CREW ID OR TASK ID GW-#2

JOB NUMBER 3613083073

SAMPLER SIGNATURE [Signature]

CHECKED BY 3612092134-02.01

EQUIPMENT CALIBRATION			INITIAL CALIBRATION		SECONDARY CALIBRATION (see note 3)		
MANF & MODEL NO.	UNIT ID NO.		STANDARD VALUE	METER VALUE	STANDARD VALUE	METER VALUE	ACCEPTANCE CRITERIA **
pH	units	8.3	4.0	4.0			+/- 10% of standard
Redox	+/- mV		4.49	244.57			see note 1
Conductivity	mS/cm		4.49	4.51			+/- 10% of standard
DO	mg/L *			10.5			+/- 10% of standard
Thermometer Temperature	deg. C			13.5			+/- 2.0 deg. C
TURBIDITY							
METER TYPE	See below	NTU (low)					within 0.5 NTU of the standard
MODEL NO.		NTU (high)					+/- 10% of standard
UNIT ID NO.							
PHOTOIONIZATION		Background					
METER TYPE	Thermo Enviro.	ppmv	0	0.1			within 5 ppmv of Zero
MODEL NO.	TE580A						
UNIT ID NO.	A145022A	Span Gas	100	104			+/- 10% of standard
OTHER METER TYPE	Turbidity						
MODEL NO.	2100P		0.1	0.12			
UNIT ID NO.	Pine 02631		20	NA			
			100	102			see note 2
			500	545			

Check One

- Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.
- Equipment (not) calibrated within the Acceptance Criteria specified for each of the parameters listed above (see notes below).

MATERIALS RECORD

Deionized Water Source: POS
 PID SPAN Gas: Lot _____
 PID Zero Gas: Lot _____
 Other: _____

	Source and Lot Number	
pH	7162	5/26/10 POS
ORP	NA	
Conductivity	7162	
Turbidity		
Other		

NOTES: Turbidity standard 20NTU is mislabeled as it is obviously very clear not a 20NTU standard.

* = Indicate in notes section what was used as the DO standard (i.e., based on saturation at room temperature)
 ** = If the meter reading is not within acceptance criteria, clean or replace probe and re-calibrate, or use a different meter if available. If project requirements necessitate use of the instrument, clearly document on all data sheets and log book entries that the parameter was not calibrated to the acceptance criteria.
 1 = meter must read within specified range of the Zobell solution.
 2 = specify acceptance criteria in the Notes section
 3 = secondary calibration to be completed should instrument drift be suspected during field day

10/31/11

Please TAKE THIS for your PROJECT FILE!

This helps document measurement quality and manage risks.

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT: 301209 GENTS UNIFORM
 PROJECT NUMBER: 3012092 134 - 02.1

DATE: 10/28/09
 CALIBRATED BY: JKR

MULTI-PARAMETER WATER QUALITY MONITORING SYSTEM:

MODEL: Horiba-U22 Horiba-U10
 UNIT ID NUMBER: M015-01 M014-

	pH Units	Conductivity mS/cm	DO mg/L*	Temperature deg. C
CONCENTRATION	4.00	4.49		
RESULTS	<u>4.00</u>	<u>4.51</u>	<u>10.7</u>	<u>12.6</u>
ACCEPTABLE CRITERIA	+/- 10% of standard	+/- 10% of standard	+/- 10% of standard	+/- 2.0 deg. C

Auto Calibration Fluids: Auto Cal Solution
 Standard Source: Lot Number: 7162 Expiration Date: 5/26/10

TURBIDITY METER TYPE:

MODEL: HACH2100P Lamotte 2020
 UNIT ID NUMBER: PINC 02631 M024-83

STANDARD VALUE	< 0.01 NTU (low)	800 NTU (high)
METER VALUE	_____ NTU	_____ NTU
ACCEPTABLE CRITERIA	within 0.3 NTU of standard	+/- 10% of standard

PHOTO IONIZATION DEVICE:

MODEL: thermo 580B Mini RAE 2000
 UNIT ID NUMBER: M001- NYSDEC #1

CALIBRATION GAS LOT NUMBER: _____

	Zero Air	Span Gas
BACKGROUND	0 ppmv	100 ppmv
METER VALUE	<u>0.1</u> ppmv	<u>10.1</u> ppmv
ACCEPTABLE CRITERIA	within 5 ppmv of 0	+/- 10% of standard

O2-LEL

MODEL: V-REA
 UNIT ID NUMBER: M012- NA
 CALIBRATION GAS LOT NUMBER: _____

GAS USED	METHANE	OXYGEN	H2S	CO
CONCENTRATION	50%	20.90%	25 ppm	50 ppm
RESULTS				

Jan 3/13/11

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT: Gents Uniform Rental Service SAMPLE I.D. NUMBER: 130056/MW2(RP)1702X SAMPLE TIME: 1335
 EXPLORATION ID: MW-2(RP) SITE: Town of Oyster Bay, New York DATE: 1-11-10
 TIME START: 1230 END: 1355 JOB NUMBER: 3612092134 FILE TYPE: NYSDEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER _____

INITIAL DEPTH TO WATER: 9.65 FT
 FINAL DEPTH TO WATER: 9.67 FT
 DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch)): 10.1 GAL
 TOTAL VOL. PURGED (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter): -3.1 GAL

PROTECTIVE CASING STICKUP (FROM GROUND): 10.1 FT
 PROTECTIVE CASING / WELL DIFFERENCE: 0.3 FT
 PID AMBIENT AIR: 6.1 PPM
 PID WELL MOUTH: 0.1 PPM
 PRESSURE TO PUMP: NA PSI
 REFILL TIMER SETTING: NA SECONDS

WELL DIAMETER: 4 IN
 WELL INTEGRITY: CAP YES NO N/A
 CASING LOCKED YES NO N/A
 COLLAR YES NO N/A
 DISCHARGE TIMER SETTING: NA SECONDS

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (#)	COMMENTS
<u>1248</u>									<u>-17</u>	<u>PUMP ON</u>
<u>1252</u>	<u>9.75</u>	<u>275</u>	<u>11.4</u>	<u>0.234</u>	<u>5.02</u>	<u>5.12</u>	<u>17.9</u>	<u>222</u>		
<u>1257</u>	<u>9.69</u>	<u>300</u>	<u>12.8</u>	<u>0.173</u>	<u>5.32</u>	<u>4.75</u>	<u>3.22</u>	<u>214</u>		
<u>1302</u>	<u>9.71</u>	<u>310</u>	<u>13.1</u>	<u>0.169</u>	<u>5.54</u>	<u>4.74</u>	<u>1.12</u>	<u>204</u>		
<u>1307</u>	<u>9.70</u>	<u>300</u>	<u>13.1</u>	<u>0.160</u>	<u>5.58</u>	<u>5.10</u>	<u>0.90</u>	<u>200</u>		
<u>1312</u>	<u>9.69</u>	<u>300</u>	<u>13.1</u>	<u>0.151</u>	<u>5.64</u>	<u>5.73</u>	<u>0.51</u>	<u>195</u>		
<u>1317</u>	<u>9.69</u>	<u>300</u>	<u>13.1</u>	<u>0.148</u>	<u>5.71</u>	<u>5.19</u>	<u>0.40</u>	<u>191</u>		
<u>1322</u>	<u>9.68</u>	<u>300</u>	<u>13.2</u>	<u>0.152</u>	<u>5.78</u>	<u>5.88</u>	<u>0.49</u>	<u>190</u>		
<u>1327</u>	<u>9.67</u>	<u>300</u>	<u>13.2</u>	<u>0.149</u>	<u>5.80</u>	<u>5.80</u>	<u>0.31</u>	<u>188</u>		
<u>1332</u>	<u>9.67</u>	<u>200</u>	<u>13.2</u>	<u>0.151</u>	<u>5.81</u>	<u>5.79</u>	<u>0.41</u>	<u>187</u>		
<u>1335</u>	<u>Simple time</u>		<u>(@ MW-2(RP))</u>							<u>Simple time</u>
<u>1350</u>	<u>pump off</u>									<u>pump off</u>

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER SIMCO BLADDER GEOPUMP
 TYPE OF TUBING: SILASTIC LOW DENSITY POLYETHYLENE OTHER _____
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL OTHER _____ NONE
 TYPE OF BLADDER MATERIAL: TEFLON OTHER _____ NONE

ANALYTICAL PARAMETERS

To Be Collected: VOC SVOC PEST / PCBs TAL INORGANICS Natural Attenuation Parameters

METHOD NUMBER: 8260B CLP CLP CLP

PRESERVATION METHOD: HCL / 4 DEG. C 4 DEG. C 4 DEG. C HNO3 to pH <2

VOLUME REQUIRED: 2 X 40 mL 2 X 1 L AG 2 X 1 L AG 1 X 1 L P

SAMPLE COLLECTED: VOC SVOC PEST / PCBs TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NUMBER OF GALLONS GENERATED: ~3

Signature: _____

NOTES/LOCATION SKETCH

Gents

MW-2

MW-2(RP)

STONE BLDG

MACTEC
 511 Congress Street, Portland, Maine 04101
 ✓ TC
 1/27/10

FIGURE 4-16
 LOW FLOW GROUNDWATER DATA RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT: Gents Uniform Rental Service
 SAMPLE I.D. NUMBER: 3005 WWS01BOKX
 SAMPLE TIME: 1525
 EXPLORATION ID: MW-85
 SITE: Town of Oyster Bay, New York
 DATE: 01-11-10
 TIME START: 1410 END: 1545
 JOB NUMBER: 3612092134-02.1
 FILE TYPE: NYSDEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

INITIAL DEPTH TO WATER: 10.60 FT
 FINAL DEPTH TO WATER: 10.61 FT
 DRAWDOWN VOLUME: 20.1 GAL
 TOTAL VOL. PURGED: 5.1 GAL

PROTECTIVE CASING STICKUP (FROM GROUND): 0 FT
 PROTECTIVE CASING / WELL DIFFERENCE: 0.35 FT
 WELL DEPTH (TOR): ~20 FT
 WELL DIAMETER: 2 IN
 SCREEN LENGTH: ~10' FT
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED: 20.1

PID AMBIENT AIR: 20.1 PPM
 PID WELL MOUTH: 0.3 PPM
 PRESSURE TO PUMP: NA PSI
 REFILL TIMER SETTING: NA SECONDS

WELL INTEGRITY: CAP YES NO N/A
 CASING YES NO N/A
 LOCKED YES NO N/A
 COLLAR YES NO N/A

DISCHARGE TIMER SETTING: NA SECONDS

(purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1420									~16'	PUMP ON
1422	10.61	300	11.7	0.320	5.46	1.39	32.6	130		
1427	10.61	300	12.1	0.325	6.36	1.01	85.8	92		
1432	10.61	325	12.3	0.323	6.38	0.83	69.1	86		
1437	10.61	325	12.2	0.325	6.38	0.60	37.4	85		
1442	10.61	325	12.3	0.319	6.33	0.53	22.7	86		
1447	10.61	325	12.6	0.319	6.37	0.48	18.4	78		
1452	10.61	325	12.5	0.315	6.31	0.51	14.1	81		
1457	10.61	325	12.5	0.314	6.30	0.42	89.7	77		
1402	10.61	325	12.4	0.312	5.45	0.43	7.11	75		
1507	10.61	325	12.4	0.312	5.19	0.44	6.11	75		
1512	10.61	325	12.5	0.311	5.30	0.44	6.01	73		
1517	10.61	325	12.5	0.308	5.21	0.40	4.22	69		
1522	10.61	325	12.3	0.309	5.25	0.38	3.10	68		
1525	Sample time									
1537	pump off									

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: GEOPUMP
 TYPE OF TUBING: SILASTIC
 TYPE OF PUMP MATERIAL: OTHER NONE
 TYPE OF BLADDER MATERIAL: OTHER NONE

ANALYTICAL PARAMETERS

To Be Collected: VOC, SVOC, PEST / PCBs, TAL INORGANICS, Natural Attenuation Parameters

METHOD NUMBER: 8260B, CLP, CLP, CLP

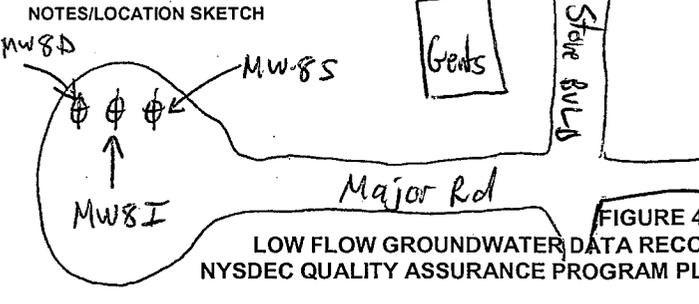
PRESERVATION METHOD: HCL / 4 DEG. C, 4 DEG. C, 4 DEG. C, HNO3 to pH <2

VOLUME REQUIRED: 2 X 40 mL, 2 X 1 L AG, 2 X 1 L AG, 1 x 1 L P

SAMPLE COLLECTED: VOC, SVOC, PEST / PCBs, TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES (circled) NO
 NUMBER OF GALLONS GENERATED: ~5



Signature: [Handwritten Signature]

MACTEC
 511 Congress Street, Portland, Maine 04101
 VTC 1/27/10

FIGURE 4-16
 LOW FLOW GROUNDWATER DATA RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT Gents Uniform Rental Service SAMPLE I.D. NUMBER 1300166W0810302XX SAMPLE TIME 1515
 EXPLORATION ID: MW-8E SITE Town of Oyster Bay, New York DATE 01-12-10
 TIME START 1415 END 1530. JOB NUMBER 3612092134-02.1 FILE TYPE NYSDEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER _____

INITIAL DEPTH TO WATER 10.71 FT
 FINAL DEPTH TO WATER 10.71 FT
 DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch)) 40.1 GAL
 TOTAL VOL. PURGED (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter) 3.1 GAL

PROTECTIVE CASING STICKUP (FROM GROUND) 0 FT
 PROTECTIVE CASING / WELL DIFFERENCE 1.4 FT
 WELL DEPTH (TOR) 39.6 FT
 PID AMBIENT AIR 40.1 PPM
 WELL DIAMETER 2 IN
 SCREEN LENGTH ~10 FT
 PID WELL MOUTH 40.1 PPM
 WELL INTEGRITY: CAP YES NO N/A
 CASING LOCKED YES NO N/A
 COLLAR YES NO N/A
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED 40.01
 PRESSURE TO PUMP NA PSI
 REFILL TIMER SETTING NA SECONDS
 DISCHARGE TIMER SETTING NA SECONDS

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1427	PUMP ON								~35	PUMP ON
1430	10.71	300	12.7	0.427	6.94	1.26	40.4	143		
1435	10.71	300	13.3	0.431	6.90	40.1	34.2	141		
1440	10.71	300	13.2	0.431	6.90	40.1	26.1	142		
1445	10.71	300	13.3	0.430	6.91	40.1	23.3	141		
1450	10.71	300	13.2	0.429	6.93	40.1	19.1	135		
1455	10.71	300	13.2	0.427	6.94	40.1	12.0	131		
1500	10.71	300	13.2	0.427	6.96	40.1	9.78	128		
1515	10.71	300	13.2	0.426	6.99	40.1	9.12	127		
1510	10.71	300	13.2	0.431	7.00	40.1	8.58	125		
1515	Sample time									Sample time
1522	pump off									pump off

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER SIMCO BLADDER GEOPUMP
 TYPE OF TUBING: SILASTIC LOW DENSITY POLYETHYLENE OTHER _____
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL OTHER ___ NONE
 TYPE OF BLADDER MATERIAL: TEFLON OTHER ___ NONE

ANALYTICAL PARAMETERS

To Be Collected: VOC SVOC PEST / PCBs TAL INORGANICS Natural Attenuation Parameters

METHOD NUMBER: 8260B, CLP, CLP, CLP

PRESERVATION METHOD: HCL / 4 DEG. C, 4 DEG. C, 4 DEG. C, HNO3 to pH <2

VOLUME REQUIRED: 2 X 40 mL, 2 X 1 L AG, 2 X 1 L AG, 1 X 1 L P

SAMPLE COLLECTED: VOC SVOC PEST / PCBs TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NUMBER OF GALLONS GENERATED: ~3

Signature: _____

MACTEC
 511 Congress Street, Portland, Maine 04101
 VTC
 1/27/10

NOTES/LOCATION SKETCH

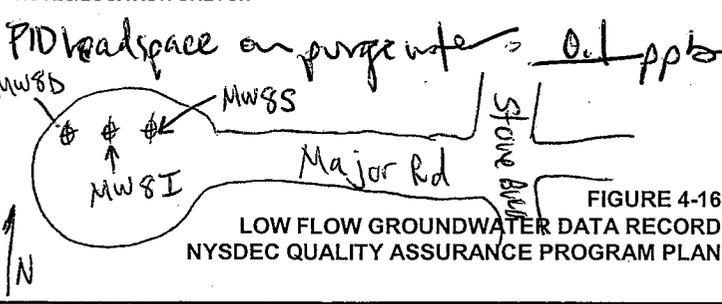
PID headspace on purge into 0.1 ppb
 MW8B, MW8S, MW8I, Major Rd, Stone Bluffs


FIGURE 4-16
 LOW FLOW GROUNDWATER DATA RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT Gents Uniform Rental Service SAMPLE I.D. NUMBER 130156/MW01002502XX/MS/MS SAMPLE TIME 1200
 EXPLORATION ID: MW-10 SITE Town of Oyster Bay, New York DATE 01-12-10
 TIME START 1050 END 1250 JOB NUMBER 31612092134-021 FILE TYPE NYSDEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER _____

INITIAL DEPTH TO WATER 7.64 FT
 FINAL DEPTH TO WATER 7.64 FT
 DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch)) 40.1 GAL
 TOTAL VOL. PURGED (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter) 3.9 GAL

PROTECTIVE CASING STICKUP (FROM GROUND) 0 FT
 PROTECTIVE CASING / WELL DIFFERENCE 0.35 FT
 WELL DEPTH (TOR) 29.8 FT
 PID AMBIENT AIR 60.1 PPM
 WELL DIAMETER 2 IN
 SCREEN LENGTH ~10' FT
 PID WELL MOUTH 3.1 PPM
 WELL INTEGRITY: CAP YES NO N/A
 LOCKED YES NO N/A
 COLLAR YES NO N/A
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED 40.1
 PRESSURE TO PUMP NA PSI
 REFILL TIMER SETTING NA SECONDS
 DISCHARGE TIMER SETTING NA SECONDS

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1107									~25	PUMP ON
1110	7.64	300	10.4	0.364	7.19	4.28	6.08	106		
1115	7.64	300	11.2	0.354	7.28	2.10	7.11	80		
1120	7.64	300	11.9	0.376	7.45	0.14	9.93	68		
1125	7.64	300	12.0	0.381	7.47	6.1	14.9	60		
1130	7.64	300	12.1	0.388	7.46	6.1	20.7	54		
1135	7.64	300	12.1	0.387	7.45	6.1	23.4	53		
1140	7.64	300	12.2	0.385	7.44	6.1	11.1	52		
1145	7.64	300	12.1	0.385	7.42	6.1	8.39	53		
1150	7.64	300	12.0	0.385	7.40	6.1	6.18	55		
1155	7.64	300	11.8	0.365	7.39	6.1	5.06	56		
1200	Sample time									Sample time pump off.
1242	pump off									

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER SIMCO BLADDER GEOPUMP
 TYPE OF TUBING: SILASTIC LOW DENSITY POLYETHYLENE OTHER _____
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL OTHER ___ NONE
 TYPE OF BLADDER MATERIAL: TEFLON OTHER ___ NONE

ANALYTICAL PARAMETERS

To Be Collected: VOC SVOC PEST / PCBs TAL INORGANICS Natural Attenuation Parameters

METHOD NUMBER: 8280B, CLP, CLP, CLP, VANTUS

PRESERVATION METHOD: HCL / 4 DEG. C, 4 DEG. C, 4 DEG. C, HNO3 to pH < 2, VANTUS

VOLUME REQUIRED: 2 X 40 mL, 2 X 1 L AG, 2 X 1 L AG, 1 x 1 LP, VANTUS

SAMPLE COLLECTED: VOC SVOC PEST / PCBs TAL INORGANICS trb, msd

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NUMBER OF GALLONS GENERATED: ~4
 Signature: _____

NOTES/LOCATION SKETCH

3rd House on street
 MW10 Sand St
 Curran Blvd
 No vad space - a purge water: 3160 ppb

MACTEC
 511 Congress Street, Portland, Maine 04101
 ✓ TC
 1/27/10

FIGURE 4-16

LOW FLOW GROUNDWATER DATA RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT: Gents Uniform Rental Service SAMPLE I.D. NUMBER: 130056 MW 011025 04XX / MS / MD SAMPLE TIME: 0945
 EXPLORATION ID: MW-11 SITE: Town of Oyster Bay, New York DATE: 01-12-10
 TIME START: 0835 END: 1045 JOB NUMBER: 3612092134-02-1 FILE TYPE: NYSDEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER _____

INITIAL DEPTH TO WATER: 5.33 FT
 FINAL DEPTH TO WATER: 5.33 FT
 DRAWDOWN VOLUME: 20.1 GAL
 TOTAL VOL. PURGED: ~3.4 GAL

WELL DEPTH (TOR): 29.9 FT
 SCREEN LENGTH: ~10 FT
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED: 20.01

PROTECTIVE CASING STICKUP (FROM GROUND): 0 FT
 PROTECTIVE CASING / WELL DIFFERENCE: 0.3 FT
 PID AMBIENT AIR: 20.1 PPM
 PID WELL MOUTH: 2.9 PPM
 PRESSURE TO PUMP: NA PSI
 REFILL TIMER SETTING: NA SECONDS

WELL DIAMETER: 2 IN
 WELL INTEGRITY: CAP YES NO N/A
 LOCKED YES NO N/A
 COLLAR YES NO N/A
 DISCHARGE TIMER SETTING: NA SECONDS

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
0901									~25	PUMP ON
0904	5.34	300	11.5	0.227	6.29	1.97	2.33	161		
0909	5.33	300	12.0	0.185	6.79	0.13	1.01	92		
0914	5.33	300	12.2	0.187	6.84	20.1	0.79	71		
0919	5.33	300	12.1	0.181	7.04	20.1	0.40	58		
0924	5.33	300	12.0	0.181	7.09	20.1	0.47	49		
0929	5.33	300	12.5	0.183	7.13	20.1	0.57	39		
0934	5.33	300	12.8	0.181	7.18	20.1	0.89	38		
0939	5.33	300	13.0	0.184	7.18	20.1	0.80	37		
0944	5.33	300	13.2	0.186	7.17	20.1	0.50	39		
0945	Simple time									Simple time pump off
1018	pump off									

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER SIMCO BLADDER GEOPUMP
 TYPE OF TUBING: SILASTIC LOW DENSITY POLYETHYLENE OTHER _____
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL OTHER _____ NONE
 TYPE OF BLADDER MATERIAL: TEFLON OTHER _____ NONE

ANALYTICAL PARAMETERS

To Be Collected: VOC SVOC PEST / PCBs TAL INORGANICS Natural Attenuation Parameters

METHOD NUMBER: 8260B, CLP, CLP, CLP

PRESERVATION METHOD: HCL / 4 DEG. C, 4 DEG. C, 4 DEG. C, HNO3 to pH <2

VOLUME REQUIRED: 2 X 40 mL, 2 X 1 L AG, 2 X 1 L AG, 1 X 1 LP

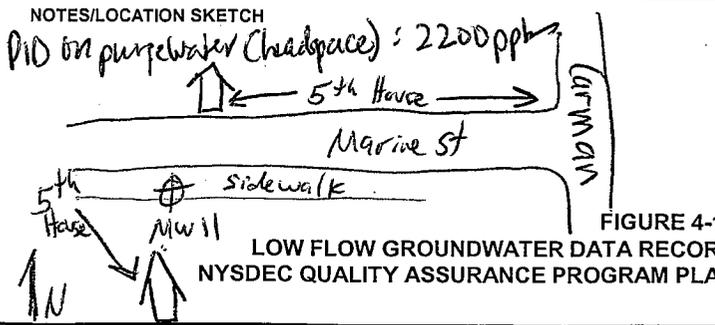
SAMPLE COLLECTED: VOC SVOC PEST / PCBs TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NUMBER OF GALLONS GENERATED: 35

Signature: _____

MACTEC TC
 511 Congress Street, Portland, Maine 04101
 1/27/10



LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT: Gents Uniform Rental Service SAMPLE I.D. NUMBER: 13056SW01 XXX02X SAMPLE TIME: 1645
 EXPLORATION ID: SW-1 SITE: Town of Oyster Bay, New York DATE: 01-13-09
 TIME: START 1600 END 1700 JOB NUMBER: 3612092-134 FILE TYPE: NYSDEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND): 0 FT
 PROTECTIVE CASING / WELL DIFFERENCE: _____ FT

INITIAL DEPTH TO WATER: _____ FT
 FINAL DEPTH TO WATER: _____ FT
 DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch)): _____ GAL
 TOTAL VOL. PURGED (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter): _____ GAL

WELL DEPTH (TOR): _____ FT
 SCREEN LENGTH: _____ FT
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED: NA

PID AMBIENT AIR: _____ PPM
 PID WELL MOUTH: _____ PPM
 PRESSURE TO PUMP: _____ PSI
 REFILL TIMER SETTING: _____ SECONDS

WELL DIAMETER: _____ IN
 WELL INTEGRITY: YES NO N/A
 CAP: _____
 CASING LOCKED: _____
 COLLAR: _____
 DISCHARGE TIMER SETTING: _____ SECONDS

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/min)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1620	PUMP ON								NA	PUMP ON
1622	—	59 gal/min	11.7	0.359	5.21	7.45	0.51	105		
1626	—	10 gal	12.3	0.332	5.58	7.56	0.51	137		
1629	—	15 gal	13.1	0.336	5.45	7.18	1.64	101		
1632	—	20 gal	13.4	0.329	5.57	3.92	0.43	110		
1635	—	25 gal	13.5	0.327	5.84	3.49	0.28	114		
1638	—	30 gal	13.6	0.328	5.81	4.23	0.24	122		
1641	—	35 gal	13.6	0.320	5.82	3.60	1.10	125		
1644	—	40 gal	13.6	0.328	5.83	4.01	0.69	119		
1645	Sample time									
1650	pump off									

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: GEOPUMP
 TYPE OF TUBING: SILASTIC
 TYPE OF PUMP MATERIAL: OTHER NONE
 TYPE OF BLADDER MATERIAL: OTHER NONE

ANALYTICAL PARAMETERS

To Be Collected: VOC, SVOC, PEST / PCBs, TAL INORGANICS, Natural Attenuation Parameters

METHOD NUMBER: 8260B, CLP, CLP, CLP
 PRESERVATION METHOD: HCL / 4 DEG. C, 4 DEG. C, 4 DEG. C, HNO3 to pH <2
 VOLUME REQUIRED: 2 X 40 mL, 2 X 1 L AG, 2 X 1 L AG, 1 x 1 L P
 SAMPLE COLLECTED: VOC, SVOC, PEST / PCBs, TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NUMBER OF GALLONS GENERATED: 240

NOTES/LOCATION SKETCH

collected from inside gents facility
 from spigot

Signature: _____

MACTEC
 511 Congress Street, Portland, Maine 04101
 (1/27/10)

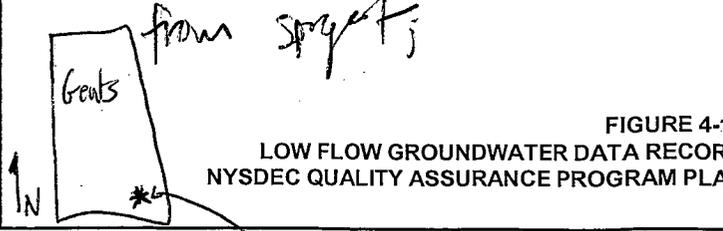


FIGURE 4-16
 LOW FLOW GROUNDWATER DATA RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN
 revised 1/8/2010

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT Gents Uniform Rental Service SAMPLE I.D. NUMBER 130056 MWIRR 1902XX SAMPLE TIME 1340
 EXPLORATION ID: MW-1(RR) SITE ① Town of Oyster Bay, New York GENTS DATE 1-11-10
 TIME START 1245 END 1400 JOB NUMBER 3612091134 FILE TYPE NYSDEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER _____

INITIAL DEPTH TO WATER 10.04 FT
 FINAL DEPTH TO WATER 10.04 FT
 DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch)) 20.1 GAL
 TOTAL VOL. PURGED 3.4 GAL (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

PROTECTIVE CASING STICKUP (FROM GROUND) 0 FT
 PROTECTIVE CASING / WELL DIFFERENCE 0.38 FT
 PID AMBIENT AIR 20.1 PPM
 PID WELL MOUTH 4.2 PPM
 PRESSURE TO PUMP NA PSI
 REFILL TIMER SETTING NA SECONDS

WELL DEPTH (TOR) 23.40 FT
 SCREEN LENGTH UNKNOWN FT
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED 20.1

WELL DIAMETER 4 IN
 WELL INTEGRITY: YES NO N/A
 CAP
 LOCKED
 COLLAR
 DISCHARGE TIMER SETTING NA SECONDS

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1255	PUMP ON	290								PUMP ON
1300	10.04		14.3	0.491	5.68	0.37	0.83	315	19	
1305	10.04		14.9	0.488	5.85	20.01	0.32	305		
1310	10.04		15.1	0.484	5.95	20.01	0.11	295		
1315	10.04		15.2	0.445	6.03	20.01	0.32	285		
1320	10.04		15.2	0.431	6.04	20.01	0.29	283		
1325	10.04		15.2	0.397	6.06	20.01	0.51	278		
1330	10.04		15.1	0.387	6.09	0.04	0.71	273		
1335	10.04		15.2	0.385	6.10	0.03	0.34	272		
1340	10.04		15.2	0.387	6.11	0.04	0.45	270		Sample Collected

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER SIMCO BLADDER GEOPUMP
 TYPE OF TUBING: SILASTIC LOW DENSITY POLYETHYLENE OTHER _____
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL OTHER ___ NONE
 TYPE OF BLADDER MATERIAL: TEFLON OTHER ___ NONE

ANALYTICAL PARAMETERS

To Be Collected: VOC SVOC PEST / PCBs TAL INORGANICS Natural Attenuation Parameters

METHOD NUMBER: 8260B CLP 8270C

PRESERVATION METHOD: HCL / 4 DEG. C 4 DEG. C 4 DEG. C HNO3 to pH <2

VOLUME REQUIRED: 2 X 40 mL 2 X 1 L AG 2 X 1 L AG 1 x 1 L P

SAMPLE COLLECTED: VOC SVOC PEST / PCBs TAL INORGANICS

PURGE OBSERVATIONS

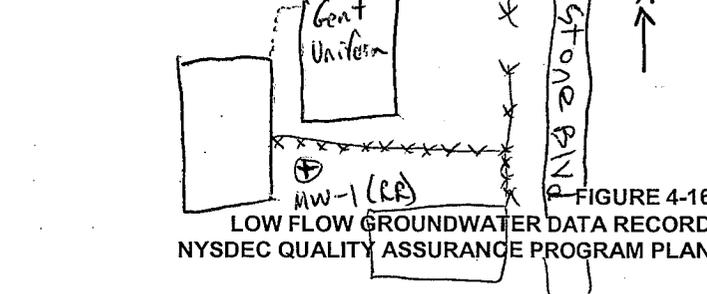
PURGE WATER CONTAINERIZED YES NO NUMBER OF GALLONS GENERATED 3

Signature: Trige Linnighan

MACTEC

511 Congress Street, Portland, Maine 04101 01-18-10

NOTES/LOCATION SKETCH



LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT: Gents Uniform Rental Service SAMPLE I.D. NUMBER: 130056MW0071702X SAMPLE TIME: 0930
 EXPLORATION ID: MW-7 SITE: Town of Oyster Bay, New York **GENTS** DATE: 1-12-10
 TIME: START 0830 END 0950 JOB NUMBER: 3612 092 134 FILE TYPE: NYSDEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER _____

INITIAL DEPTH TO WATER: 9.16 FT
 FINAL DEPTH TO WATER: 9.16 FT
 DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch)): 20.1 GAL
 TOTAL VOL. PURGED (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter): 3.2 GAL

PROTECTIVE CASING STICKUP (FROM GROUND): 0 FT
 PROTECTIVE CASING / WELL DIFFERENCE: N/M FT
 WELL DEPTH (TOR): 20.15 FT
 PID AMBIENT AIR: 20.1 PPM
 WELL DIAMETER: 2 IN
 SCREEN LENGTH: 10 FT
 PID WELL MOUTH: 20.1 PPM
 WELL INTEGRITY: CAP YES NO N/A
 CASING LOCKED YES NO N/A
 COLLAR YES NO N/A
 PRESSURE TO PUMP: NA PSI
 REFILL TIMER SETTING: NA SECONDS
 DISCHARGE TIMER SETTING: NA SECONDS

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
0845	PUMP ON	270								PUMP ON
0850	9.16		12.4	0.357	5.89	20.01	15.5	115	17	
0855	9.16		12.6	0.356	5.95	20.01	10.8	99		
0900	9.16		12.7	0.355	5.98	20.01	9.05	47		
0905	9.16		12.7	0.355	5.99	20.01	6.27	29		
0910	9.16		12.7	0.354	6.01	20.01	4.46	25		
0915	9.16		12.7	0.353	6.01	20.01	3.87	18		
0920	9.16		12.7	0.354	6.03	20.01	2.65	12		
0925	9.16		12.7	0.353	6.04	20.01	3.33	9		
0930	9.16	↓	12.7	0.352	6.04	20.01	2.58	7	↓	Sample Collected

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER SIMCO BLADDER GEOPUMP
 TYPE OF TUBING: SILASTIC LOW DENSITY POLYETHYLENE OTHER _____
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL OTHER ___ NONE
 TYPE OF BLADDER MATERIAL: TEFLON OTHER ___ NONE

ANALYTICAL PARAMETERS

To Be Collected: VOC SVOC PEST / PCBs TAL INORGANICS Natural Attenuation Parameters

METHOD NUMBER: 8260B 8270C
 PRESERVATION METHOD: HCL / 4 DEG. C 4 DEG. C 4 DEG. C HNO3 to pH <2
 VOLUME REQUIRED: 2 X 40 mL 2 X 1 L AG 2 X 1 L AG 1 x 1 L P
 SAMPLE COLLECTED: VOC SVOC PEST / PCBs TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NUMBER OF GALLONS GENERATED: 4

Signature: [Signature]

 511 Congress Street, Portland, Maine 04101
01-12-10

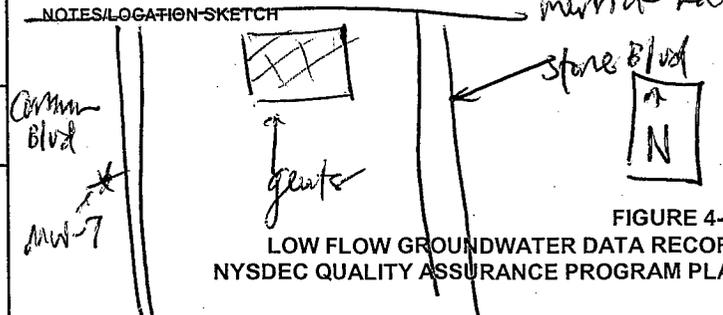


FIGURE 4-16
 LOW FLOW GROUNDWATER DATA RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT: Gents Uniform Rental Service SAMPLE I.D. NUMBER: 130056 MW009350 2XX SAMPLE TIME: 1140
 EXPLORATION ID: MW-9 SITE: Town of Oyster Bay, New York GENTS DATE: 1-12-10
 TIME: START 1100 END 1200 JOB NUMBER: 3612091134 FILE TYPE: NYSDEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND): 0 FT
 PROTECTIVE CASING / WELL DIFFERENCE: N/A FT

INITIAL DEPTH TO WATER: 8.78 FT
 FINAL DEPTH TO WATER: 8.78 FT
 DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch)): 20.1 GAL
 TOTAL VOL. PURGED (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter): 2.2 GAL

WELL DEPTH (TOR): 39.25 FT
 SCREEN LENGTH: 10 FT
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED: 20.1

PID AMBIENT AIR: 20.1 PPM
 PID WELL MOUTH: 20.1 PPM
 PRESSURE TO PUMP: NA PSI
 REFILL TIMER SETTING: NA SECONDS

WELL DIAMETER: 2 IN
 WELL INTEGRITY: CAP _____ YES _____ NO _____ N/A
 CASING LOCKED _____ YES _____ NO _____ N/A
 COLLAR _____ YES _____ NO _____ N/A
 DISCHARGE TIMER SETTING: NA SECONDS

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1105	PUMP ON	240							35	PUMP ON
1110	8.78		11.3	0.087	6.35	4.83	8.23	92		
1115	8.78		11.8	0.092	5.66	0.18	7.09	92		
1120	8.78		11.9	0.095	5.49	20.01	6.31	93		
1125	8.78		11.9	0.099	5.41	20.01	9.69	94		
1130	8.78		11.8	0.100	5.39	20.01	5.49	95		
1135	8.78		11.5	0.100	5.38	20.01	6.60	96		
1140	8.78	↓	11.6	0.101	5.38	20.01	6.00	96	↓	Sample Collected

Trig Luna

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER SIMCO BLADDER GEOPUMP
 TYPE OF TUBING: SILASTIC LOW DENSITY POLYETHYLENE OTHER _____
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL OTHER _____ NONE
 TYPE OF BLADDER MATERIAL: TEFLON OTHER _____ NONE

ANALYTICAL PARAMETERS

To Be Collected: VOC SVOC PEST / PCBs TAL INORGANICS Natural Attenuation Parameters

METHOD NUMBER: 8260B
CLP 8270C
 CLP
 CLP

PRESERVATION METHOD: HCL / 4 DEG. C
4 DEG. C
4 DEG. C
HNO3 to pH <2

VOLUME REQUIRED: 2 X 40 mL
2 X 1 L AG
2 X 1 L AG
1 x 1 LP

SAMPLE COLLECTED: VOC SVOC PEST / PCBs TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NUMBER OF GALLONS GENERATED: 2

Signature: Trig Luna

MACTEC
 511 Congress Street, Portland, Maine 04101
01-18-10

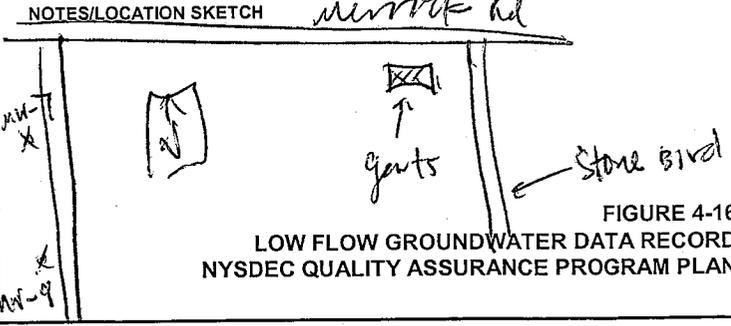


FIGURE 4-16
 LOW FLOW GROUNDWATER DATA RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT Gents Uniform Rental Service SAMPLE I.D. NUMBER 130056MW0061802XX SAMPLE TIME 1330
 EXPLORATION ID: MW-6 SITE Town of Oyster Bay, New York GENTS DATE 1-12-2010
 TIME START 1225 END 1415 JOB NUMBER 3612091134 FILE TYPE NYSDEC

WATER LEVEL / PUMP SETTINGS		MEASUREMENT POINT		PROTECTIVE CASING STICKUP (FROM GROUND)		PROTECTIVE CASING / WELL DIFFERENCE	
INITIAL DEPTH TO WATER	<u>9.41</u> FT	<input checked="" type="checkbox"/> TOP OF WELL RISER		<input type="checkbox"/> TOP OF PROTECTIVE CASING	<u>0</u> FT	<input type="checkbox"/> TOP OF PROTECTIVE CASING	<u> </u> FT
FINAL DEPTH TO WATER	<u>9.41</u> FT	<input type="checkbox"/> OTHER				WELL DIAMETER	<u>2</u> IN
DRAWDOWN VOLUME (initial - final x 0.16 {2-inch} or x 0.65 {4-inch})	<u>20.1</u> GAL	WELL DEPTH (TOR)	<u>22.25</u> FT	PID AMBIENT AIR	<u>20.1</u> PPM	WELL INTEGRITY: CAP	YES NO N/A
TOTAL VOL. PURGED (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)	<u>3.6</u> GAL	SCREEN LENGTH	<u>10</u> FT	PID WELL MOUTH	<u>20.1</u> PPM	CASING LOCKED	— — —
		RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED	<u>20.1</u>	PRESSURE TO PUMP	<u>NA</u> PSI	COLLAR	— — —
				REFILL TIMER SETTING	<u>NA</u> SECONDS	DISCHARGE TIMER SETTING	<u>NA</u> SECONDS

PURGE DATA		SPECIFIC							PUMP		COMMENTS
TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	INTAKE DEPTH (ft)		
<u>1235</u>	<u>PUMP ON</u>	<u>250</u>							<u>18</u>	<u>PUMP ON</u>	
<u>1240</u>	<u>9.41</u>		<u>13.3</u>	<u>0.208</u>	<u>6.05</u>	<u>0.96</u>	<u>56.7</u>	<u>48</u>			
<u>1245</u>	<u>9.41</u>		<u>13.2</u>	<u>0.219</u>	<u>6.16</u>	<u>0.01</u>	<u>51.0</u>	<u>47</u>			
<u>1250</u>	<u>9.41</u>		<u>13.1</u>	<u>0.224</u>	<u>6.19</u>	<u>0.08</u>	<u>41.9</u>	<u>50</u>			
<u>1255</u>	<u>9.41</u>		<u>13.0</u>	<u>0.227</u>	<u>6.20</u>	<u>0.18</u>	<u>38.2</u>	<u>53</u>			
<u>1300</u>	<u>9.41</u>		<u>13.1</u>	<u>0.230</u>	<u>6.22</u>	<u>0.20</u>	<u>27.3</u>	<u>55</u>			
<u>1305</u>	<u>9.41</u>		<u>13.0</u>	<u>0.233</u>	<u>6.21</u>	<u>0.19</u>	<u>25.6</u>	<u>55</u>			
<u>1310</u>	<u>9.41</u>		<u>12.9</u>	<u>0.227</u>	<u>6.23</u>	<u>0.15</u>	<u>25.1</u>	<u>45</u>			
<u>1315</u>	<u>9.41</u>		<u>13.3</u>	<u>0.229</u>	<u>6.22</u>	<u>0.14</u>	<u>16.9</u>	<u>47</u>			
<u>1320</u>	<u>9.41</u>		<u>13.2</u>	<u>0.233</u>	<u>6.22</u>	<u>0.09</u>	<u>13.1</u>	<u>45</u>			
<u>1325</u>	<u>9.41</u>		<u>13.5</u>	<u>0.240</u>	<u>6.22</u>	<u>0.10</u>	<u>10.9</u>	<u>51</u>			
<u>1330</u>	<u>9.41</u>		<u>13.6</u>	<u>0.242</u>	<u>6.23</u>	<u>0.09</u>	<u>7.22</u>	<u>49</u>		<u>Sample collected</u>	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	TYPE OF TUBING	TYPE OF PUMP MATERIAL	TYPE OF BLADDER MATERIAL
<input type="checkbox"/> MARSCHALK BLADDER	<input checked="" type="checkbox"/> SILASTIC	<input type="checkbox"/> POLYVINYL CHLORIDE	<input type="checkbox"/> TEFLON
<input type="checkbox"/> SIMCO BLADDER	<input checked="" type="checkbox"/> LOW DENSITY POLYETHYLENE	<input type="checkbox"/> STAINLESS STEEL	<input checked="" type="checkbox"/> OTHER NONE
<input checked="" type="checkbox"/> GEOPUMP	<input type="checkbox"/> OTHER	<input checked="" type="checkbox"/> OTHER NONE	

ANALYTICAL PARAMETERS

To Be Collected	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input checked="" type="checkbox"/> VOC	<u>8260B</u>	<u>HCL / 4 DEG. C</u>	<u>2 X 40 mL</u>	<input checked="" type="checkbox"/> VOC
<input checked="" type="checkbox"/> SVOC	<u>8270C</u>	<u>4 DEG. C</u>	<u>2 X 1 L AG</u>	<input checked="" type="checkbox"/> SVOC
<input type="checkbox"/> PEST / PCBs	<u>CLP</u>	<u>4 DEG. C</u>	<u>2 X 1 L AG</u>	<input type="checkbox"/> PEST / PCBs
<input type="checkbox"/> TAL INORGANICS	<u>CLP</u>	<u>HNO3 to pH <2</u>	<u>1 x 1 L P</u>	<input type="checkbox"/> TAL INORGANICS
<input checked="" type="checkbox"/> Natural Attenuation Parameters	<u>CO2 / chloride / Alkalinity</u>		<u>240ml vials, 1 L Poly</u>	<input checked="" type="checkbox"/>

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO

NUMBER OF GALLONS GENERATED 4

Signature: Fige Houghton

MACTEC

511 Congress Street, Portland, Maine 04101

01-18-10

NOTES/LOCATION SKETCH

Field Dup collected for VOC's + SVOC's

130056MW0061802XD

FIGURE 4-16
 LOW FLOW GROUNDWATER DATA RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT: Gents Uniform Rental Service
 SAMPLE I.D. NUMBER: 130056MW0041002XX
 SAMPLE TIME: 1520
 EXPLORATION ID: MW-4
 SITE: Town of Oyster Bay, New York
 GENTS
 DATE: 1-12-10
 TIME: START 1420 END 1600
 JOB NUMBER: 3612092134
 FILE TYPE: NYSDEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

INITIAL DEPTH TO WATER: 10.77 FT
 FINAL DEPTH TO WATER: 10.81 FT
 DRAWDOWN VOLUME: 20.01 GAL
 (initial - final x 0.16 (2-inch) or x 0.65 (4-inch))
 TOTAL VOL. PURGED: 3.9 GAL
 (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

PROTECTIVE CASING STICKUP (FROM GROUND): 0 FT
 PROTECTIVE CASING / WELL DIFFERENCE: — FT
 PID AMBIENT AIR: 20.1 PPM
 PID WELL MOUTH: 20.1 PPM
 PRESSURE TO PUMP: NA PSI
 REFILL TIMER SETTING: NA SECONDS

WELL DEPTH (TOR): 19.85 FT
 SCREEN LENGTH: UNKNOWN FT
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED: 20.01

WELL DIAMETER: 3/4 IN
 WELL INTEGRITY: CAP YES NO N/A
 LOCKED YES NO N/A
 COLLAR YES NO N/A

DISCHARGE TIMER SETTING: NA SECONDS

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1430	PUMP ON	300							16	PUMP ON
1455	10.81		13.5	0.210	6.11	2.35	4.86	160		
1500	10.81		13.7	0.219	6.06	2.20	2.20	163		
1505	10.81		13.9	0.250	6.09	1.96	0.57	168		
1510	10.81		13.8	0.250	6.09	1.96	0.43	168		
1515	10.81		13.8	0.248	6.09	1.86	0.38	169		
1520	10.81	↓	13.5	0.199	6.06	1.84	0.20	171	↓	Sample collected
1550	Collection complete									

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: GEOPUMP
 TYPE OF TUBING: SILASTIC
 TYPE OF PUMP MATERIAL: OTHER NONE
 TYPE OF BLADDER MATERIAL: OTHER NONE

ANALYTICAL PARAMETERS

To Be Collected: VOC, SVOC, Natural Attenuation Parameters

METHOD NUMBER: 8260B, CLP 9270C, CLP sec notes

PRESERVATION METHOD: HCL / 4 DEG. C, 4 DEG. C, 4 DEG. C, HNO3 to pH <2

VOLUME REQUIRED: 2 X 40 mL, 2 X 1 L AG, 2 X 1 L AG, 1 X 1 L P

SAMPLE COLLECTED: VOC, SVOC

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES
 NUMBER OF GALLONS GENERATED: ≈ 4.5

NOTES/LOCATION SKETCH

Natural Attenuation Parameters

TOC (3) 40ml VOA Vials w/ Phosphoric Acid
 NO₂, NO₃, SO₄, Cl, Alk = 1L poly unpreserved
 Diss. Gases: CO₂ = (2) VOA vials unpreserved
 Sulfide

FIGURE 4-16
 LOW FLOW GROUNDWATER DATA RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

→ (1) 250ml Poly w/ NaOH = Zinc Acetate

Signature: *Fige Lina*

MACTEC
 511 Congress Street, Portland, Maine 04101
 01-18-10

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT: Gents Uniform Rental Service SAMPLE I.D. NUMBER: 130056MW4MM1502XX SAMPLE TIME: 0940
 EXPLORATION ID: MW4(MM) SITE: Town of Oyster Bay, New York DATE: 1-13-10
 TIME: START 0850 END 1015 JOB NUMBER: 3612092134 FILE TYPE: NYSDEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER _____

INITIAL DEPTH TO WATER: 7.65 FT
 FINAL DEPTH TO WATER: 7.65 FT
 DRAWDOWN VOLUME: 20.1 GAL
 (initial - final x 0.16 (2-inch) or x 0.65 (4-inch))
 TOTAL VOL. PURGED: 2.5 GAL
 (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

WELL DEPTH (TOR): 18.90 FT
 SCREEN LENGTH: Unknown FT
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED: 20.1

PROTECTIVE CASING STICKUP (FROM GROUND): 0 FT
 PID AMBIENT AIR: 20.1 PPM
 PID WELL MOUTH: — PPM
 PRESSURE TO PUMP: NA PSI
 REFILL TIMER SETTING: NA SECONDS

PROTECTIVE CASING / WELL DIFFERENCE: 0.79 FT
 WELL DIAMETER: 2 IN
 WELL INTEGRITY: YES NO N/A
 CAP
 LOCKED
 COLLAR
 DISCHARGE TIMER SETTING: NA SECONDS

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
0855	PUMP ON	210							15	PUMP ON
0900	7.65		10.3	0.323	5.81	2.78	140	47		
0905	7.65		11.3	0.315	6.06	0.52	108	25		
0910	7.65		11.5	0.313	6.13	0.42	69	18		
0915	7.65		11.6	0.319	6.18	0.07	57.6	-10		
0920	7.65		11.5	0.323	6.20	20.01	35.4	-27		
0925	7.65		11.5	0.356	6.24	0.01	26.7	-51		
0930	7.65		11.4	0.366	6.28	0.01	14.7	-59		
0935	7.65		11.5	0.370	6.30	0.13	12.4	-63		
0940	7.65		11.5	0.361	6.31	0.22	6.21	-62		
1000	Sample Collection Complete									

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER SIMCO BLADDER GEOPUMP
 TYPE OF TUBING: SILASTIC LOW DENSITY POLYETHYLENE OTHER _____
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL OTHER _____ NONE
 TYPE OF BLADDER MATERIAL: TEFLON OTHER _____ NONE

ANALYTICAL PARAMETERS

To Be Collected: VOC SVOC PEST / PCBs TAL INORGANICS Natural Attenuation Parameters

METHOD NUMBER: 8260B
CLP-8270C
 CLP
 CLP

PRESERVATION METHOD: HCL / 4 DEG. C
4 DEG. C
4 DEG. C
HNO3 to pH <2

VOLUME REQUIRED: 2 X 40 mL
2 X 1 L AG
2 X 1 L AG
1 x 1 L P

SAMPLE COLLECTED: VOC SVOC PEST / PCBs TAL INORGANICS

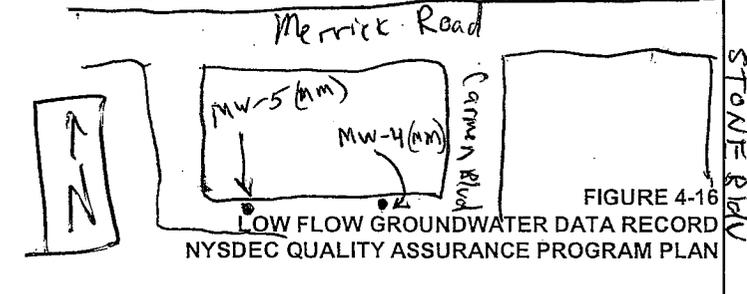
PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NUMBER OF GALLONS GENERATED: 4

Signature: Trig Wynn

MACTEC
 511 Congress Street, Portland, Maine 04101
 01-18-10

NOTES/LOCATION SKETCH



LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT: Gents Uniform Rental Service SAMPLE I.D. NUMBER: 130056 MW5 MM 1602XY SAMPLE TIME: 1125
 EXPLORATION ID: MW5 (MM) SITE: Town of Oyster Bay, New York - GENTS DATE: 1-13-10
 TIME: START 1030 END 1148 JOB NUMBER: 3612092134 FILE TYPE: NYSDEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

INITIAL DEPTH TO WATER: 5.75 FT
 FINAL DEPTH TO WATER: 5.75 FT
 DRAWDOWN VOLUME: 20.1 GAL
(initial - final x 0.16 (2-inch) or x 0.65 (4-inch))
 TOTAL VOL. PURGED: 1.6 GAL
(purge rate (milliliters per minute) x time duration (minutes) x 0.0026 gal/milliliter)

PROTECTIVE CASING STICKUP (FROM GROUND): 0 FT
 PROTECTIVE CASING / WELL DIFFERENCE: 0.82 FT
 WELL DIAMETER: 2 IN

WELL DEPTH (TOR): 18.85 FT
 SCREEN LENGTH: Un known FT
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED: 20.1

PID AMBIENT AIR: — PPM
 PID WELL MOUTH: — PPM
 PRESSURE TO PUMP: NA PSI
 REFILL TIMER SETTING: NA SECONDS

WELL INTEGRITY: YES NO N/A
 CASING:
 LOCKED:
 COLLAR:
 DISCHARGE TIMER SETTING: NA SECONDS

PURGE DATA			SPECIFIC						PUMP		COMMENTS
TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	INTAKE DEPTH (ft)		
1050	PUMP ON	180							16	PUMP ON	
1055	5.75		11.4	0.299	6.12	0.35	8.63	133			
1100	5.75		12.1	0.303	6.03	20.01	4.53	143			
1105	5.75		12.0	0.305	6.03	20.01	3.55	145			
1110	5.75		12.0	0.306	6.03	20.01	2.86	149			
1115	5.75		12.0	0.307	6.03	20.01	1.71	151			
1120	5.75		12.0	0.306	6.04	20.01	1.55	154			
1125	5.75	↓	12.0	0.306	6.04	20.01	1.92	156	↓	Collected Sample	
1145	Sample collection complete										

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER SIMCO BLADDER GEOPUMP
 TYPE OF TUBING: SILASTIC LOW DENSITY POLYETHYLENE OTHER
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL OTHER NONE
 TYPE OF BLADDER MATERIAL: TEFLON OTHER NONE

ANALYTICAL PARAMETERS

To Be Collected: VOC SVOC PEST / PCBs TAL INORGANICS Natural Attenuation Parameters

METHOD NUMBER: 8260B
CLP 8270C
 CLP
 CLP

PRESERVATION METHOD: HCL / 4 DEG. C
4 DEG. C
4 DEG. C
HNO3 to pH <2

VOLUME REQUIRED: 2 X 40 mL
2 X 1 L AG
2 X 1 L AG
1 x 1 L P

SAMPLE COLLECTED: VOC SVOC PEST / PCBs TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NUMBER OF GALLONS GENERATED: 2

Signature: [Signature]

MACTEC
 511 Congress Street, Portland, Maine 04101
01-15-10

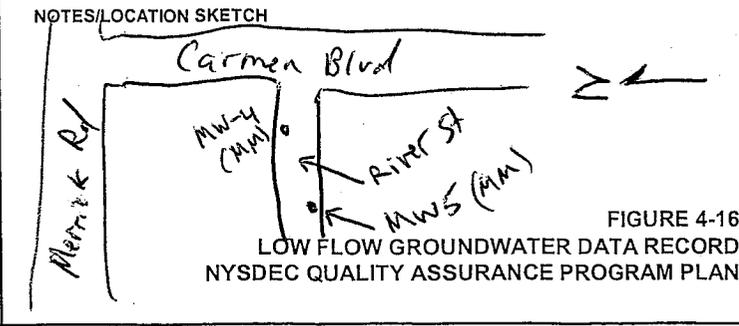


FIGURE 4-16
 LOW FLOW GROUNDWATER DATA RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT Gents Uniform Rental Service SAMPLE I.D. NUMBER 130056MW0021402XX SAMPLE TIME 1310 (TR)

EXPLORATION ID: MW-2 SITE MACTEC P&S Co. Town of Oyster Bay, New York GENTS DATE 1-13-10

TIME START 1230 END 1355 JOB NUMBER 3012091134 FILE TYPE NYSDEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER _____

INITIAL DEPTH TO WATER 10.00 FT
 FINAL DEPTH TO WATER 10.05 FT
 DRAWDOWN VOLUME 0.01 GAL
(initial - final x 0.16 (2 inch) or x 0.85 (4 inch))
 TOTAL VOL. PURGED 1.6 GAL
(purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

PROTECTIVE CASING STICKUP (FROM GROUND) 0 FT
 PROTECTIVE CASING / WELL DIFFERENCE — FT
 PID AMBIENT AIR — PPM
 PID WELL MOUTH — PPM
 PRESSURE TO PUMP NA PSI
 REFILL TIMER SETTING NA SECONDS

WELL DEPTH (TOR) 16.10 FT
 SCREEN LENGTH UNKNOWN FT
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED 0.01

WELL DIAMETER 3/4" PVC IN
 WELL INTEGRITY: YES NO N/A
 CAP
 LOCKED
 COLLAR
 DISCHARGE TIMER SETTING NA SECONDS

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1235	PUMP ON	125							14	PUMP ON
1240	10.00		10.1	0.177	6.49	7.49	13.1	167		Pre-set tubing
1245	10.00		11.3	0.170	6.50	6.99	6.24	167		
1250	10.00		11.8	0.180	6.51	6.62	2.00	166		
1255	10.05		12.0	0.191	6.51	6.24	1.02	165		
1300	10.05		11.9	0.195	6.52	5.95	0.80	166		
1305	10.05		10.5	0.119	6.52	8.07	0.78	173		
1310	10.05		10.5	0.107	6.45	8.26	0.65	176		Collect Sample (TR)
1315	10.05		10.5	0.142	6.40	7.42	0.31	175		
1320	10.05		10.5	0.126	6.50	6.60	0.46	175		
1325	10.05	↓	10.5	0.199	6.51	6.32	0.37	175		Sample Collected
1345	Collection complete									

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER SIMCO BLADDER GEOPUMP

TYPE OF TUBING: SILASTIC LOW DENSITY POLYETHYLENE OTHER _____

TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL OTHER _____ NONE

TYPE OF BLADDER MATERIAL: TEFLON OTHER _____ NONE

ANALYTICAL PARAMETERS

To Be Collected: VOC SVOC PEST / PCBs TAL INORGANICS Natural Attenuation Parameters

METHOD NUMBER: 8260B CLP 8270C CLP CLP

PRESERVATION METHOD: HCL / 4 DEG. C 4 DEG. C 4 DEG. C HNO3 to pH <2

VOLUME REQUIRED: 2 X 40 mL 2 X 1 L AG 2 X 1 L AG 1 X 1 L P

SAMPLE COLLECTED: VOC SVOC PEST / PCBs TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO

NUMBER OF GALLONS GENERATED: 2

NOTES/LOCATION SKETCH
 Purge water is 700ppb headspace

Signature: Trige hummel

MACTEC
 511 Congress Street, Portland, Maine 04101

AS
01-15-10

FIGURE 4-16
 LOW FLOW GROUNDWATER DATA RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT Gents Uniform Rental Service SAMPLE I.D. NUMBER 130056MW003150 QXX SAMPLE TIME 1535
 EXPLORATION ID: MW-3 SITE (C) Town of Oyster Bay, New York GENTS DATE 1-13-10
 TIME START 1445 END 1600 JOB NUMBER 3612091134 FILE TYPE NYSDEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER _____

INITIAL DEPTH TO WATER 10.00 FT
 FINAL DEPTH TO WATER 10.00 FT
 DRAWDOWN VOLUME 20.1 GAL
 (initial - final x 0.16 (2-inch) or x 0.65 (4-inch))
 TOTAL VOL. PURGED 2.8 GAL
 (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

PROTECTIVE CASING STICKUP (FROM GROUND) 0 FT
 PROTECTIVE CASING / WELL DIFFERENCE 0.25 FT
 PID AMBIENT AIR 20.1 PPM
 PID WELL MOUTH 20.1 PPM
 PRESSURE TO PUMP NA PSI
 REFILL TIMER SETTING NA SECONDS

WELL DEPTH (TOR) 19.5 FT
 SCREEN LENGTH Unknown FT
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED 20.1

WELL DIAMETER 3/4" IN
 WELL INTEGRITY: YES NO N/A
 CASING
 LOCKED
 COLLAR

DISCHARGE TIMER SETTING NA SECONDS

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1450	PUMP ON								15	PUMP ON
1500	10.00	240	15.5	0.128	6.61	0.40	1.37	139		
1505	10.00		15.6	0.123	6.59	0.47	0.46	142		Turb = 0.63
1510	10.00		15.7	0.118	6.57	0.47	0.47	145		
1515	10.00		15.6	0.127	6.60	0.45	0.64	142		
1520	10.00		15.6	0.128	6.59	0.46	0.38	144		
1525	10.00		15.6	0.122	6.56	0.50	0.49	151		
1530	10.00		15.5	0.123	6.56	0.49	0.29	153		
1535	10.00		15.5	0.125	6.58	0.43	0.27	156		Sample collected
1553	Collection Complete									

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER SIMCO BLADDER GEOPUMP
 TYPE OF TUBING: SILASTIC LOW DENSITY POLYETHYLENE OTHER _____
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL OTHER _____ NONE
 TYPE OF BLADDER MATERIAL: TEFLON OTHER _____ NONE

ANALYTICAL PARAMETERS

To Be Collected: VOC SVOC PEST / PCBs TAL INORGANICS Natural Attenuation Parameters

METHOD NUMBER: (TE) 8260B
CLP 8200C
 CLP
 CLP

PRESERVATION METHOD: HCL / 4 DEG. C
4 DEG. C
4 DEG. C
HNO3 to pH <2

VOLUME REQUIRED: 2 X 40 mL
2 X 1 L AG
2 X 1 L AG
1 x 1 L P

SAMPLE COLLECTED: VOC SVOC PEST / PCBs TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NUMBER OF GALLONS GENERATED: 3

Signature: [Signature]

MACTEC
 511 Congress Street, Portland, Maine 04101
01-18-10

NOTES/LOCATION SKETCH

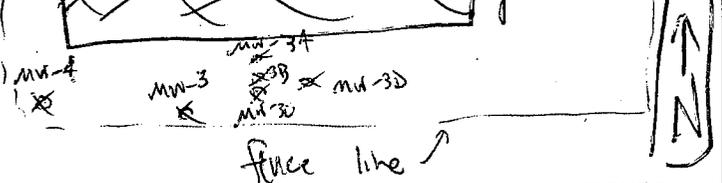


FIGURE 4-16
 LOW FLOW GROUNDWATER DATA RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT: Gents Uniform Rental Service SAMPLE I.D. NUMBER: 130056AS00502201XX SAMPLE TIME: 1150
 EXPLORATION ID: AS-5 SITE: TC Town of Oyster Bay, New York GENTS DATE: 1-14-10
 TIME: START 1120 END 1220 JOB NUMBER: 3612092134 FILE TYPE: NYSDEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: TOP OF WELL RISER, TOP OF PROTECTIVE CASING, OTHER

INITIAL DEPTH TO WATER: 11.05 FT
 FINAL DEPTH TO WATER: 11.28 FT
 DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch)): 0.04 GAL
 TOTAL VOL. PURGED (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter): 1.4 GAL

PROTECTIVE CASING STICKUP (FROM GROUND): +0.13 FT
 PROTECTIVE CASING / WELL DIFFERENCE: N/A FT
 WELL DEPTH (TOR): 24.7 FT
 WELL DIAMETER: 3/4 IN
 SCREEN LENGTH: Unknown FT
 PID AMBIENT AIR: 40.1 PPM
 PID WELL MOUTH: 40.1 PPM
 PRESSURE TO PUMP: NA PSI
 REFILL TIMER SETTING: NA SECONDS

WELL INTEGRITY: YES NO N/A
 CAP:
 LOCKED:
 COLLAR:
 DISCHARGE TIMER SETTING: NA SECONDS

PURGE DATA		SPECIFIC							PUMP		COMMENTS
TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	INTAKE DEPTH (ft)		
1120	PUMP ON	180								PUMP ON	
1125	11.28		14.4	0.484	5.67	3.26	35.1	84	22		
1130	11.28		14.6	0.469	5.83	20.01	7.94	81			
1135	11.28		14.8	0.473	5.92	20.01	3.13	81			
1140	11.28		14.8	0.474	5.92	20.01	1.43	82			
1145	11.28		14.8	0.477	5.93	20.01	1.09	82			
1150	11.28		14.8	0.476	5.93	20.01	0.68	84		Collected Sample	
1205	Sample	Collection Complete									

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER, SIMCO BLADDER, GEOPUMP
 TYPE OF TUBING: SILASTIC, LOW DENSITY POLYETHYLENE, OTHER
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE, STAINLESS STEEL, OTHER NONE
 TYPE OF BLADDER MATERIAL: TEFLON, OTHER NONE

ANALYTICAL PARAMETERS

To Be Collected: VOC, SVOC, PEST / PCBs, TAL INORGANICS, Natural Attenuation Parameters

METHOD NUMBER: 8260B, CLP 8270c, CLP, CLP

PRESERVATION METHOD: HCL / 4 DEG. C, 4 DEG. C, 4 DEG. C, HNO3 to pH <2

VOLUME REQUIRED: 2 X 40 mL, 2 X 1 L AG, 2 X 1 L AG, 1 x 1 L P

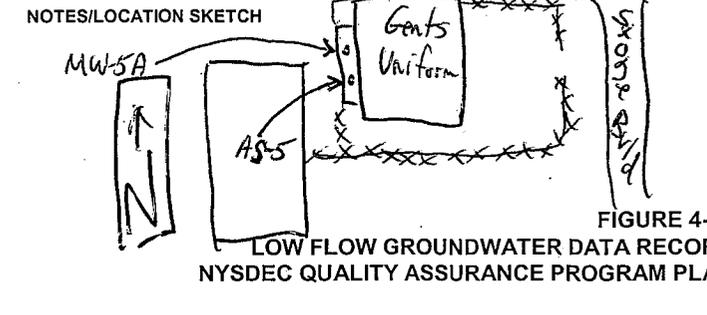
SAMPLE COLLECTED: VOC, SVOC, PEST / PCBs, TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NUMBER OF GALLONS GENERATED: 2

Signature: [Handwritten Signature]

MACTEC
 511 Congress Street, Portland, Maine 04101
AS
01-18-10



LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT: Gents Uniform Rental Service SAMPLE I.D. NUMBER: 130056MW08D2002 SAMPLE TIME: 1525
 EXPLORATION ID: MW 8D SITE: Town of Oyster Bay, New York DATE: 1-11-10
 TIME START: 1430 END: 1600 JOB NUMBER: 3012092134 FILE TYPE: NYSDEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER _____

INITIAL DEPTH TO WATER: 10.64 FT
 FINAL DEPTH TO WATER: 10.64 FT
 DRAWDOWN VOLUME: 20.1 GAL
 (initial - final x 0.16 (2-inch) or x 0.65 (4-inch))
 TOTAL VOL. PURGED: 3.4 GAL
 (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

PROTECTIVE CASING STICKUP (FROM GROUND): 0 FT
 PROTECTIVE CASING / WELL DIFFERENCE: NM FT
 WELL DEPTH (TOR): 74.90 FT
 PID AMBIENT AIR: 20.1 PPM
 WELL DIAMETER: 2 IN
 SCREEN LENGTH: 10 FT
 PID WELL MOUTH: 20.1 PPM
 WELL INTEGRITY: YES NO N/A
 CAP
 CASING LOCKED
 COLLAR
 PRESSURE TO PUMP: NA PSI
 REFILL TIMER SETTING: NA SECONDS
 DISCHARGE TIMER SETTING: NA SECONDS

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1435</u>	<u>PUMP ON</u>	<u>240</u>								<u>PUMP ON</u>
<u>1440</u>	<u>10.64</u>		<u>12.0</u>	<u>0.050</u>	<u>6.35</u>	<u>3.32</u>	<u>24.6</u>	<u>130</u>	<u>70</u>	
<u>1445</u>	<u>10.64</u>		<u>12.3</u>	<u>0.046</u>	<u>5.91</u>	<u>0.36</u>	<u>22.2</u>	<u>80</u>		
<u>1450</u>	<u>10.64</u>		<u>12.3</u>	<u>0.040</u>	<u>5.68</u>	<u>0.01</u>	<u>26.2</u>	<u>45</u>		
<u>1455</u>	<u>10.64</u>		<u>12.3</u>	<u>0.041</u>	<u>5.59</u>	<u>20.01</u>	<u>25.2</u>	<u>37</u>		<u>Turb = 25.2</u>
<u>1500</u>	<u>10.64</u>		<u>12.3</u>	<u>0.042</u>	<u>5.56</u>	<u>20.01</u>	<u>18.7</u>	<u>30</u>		
<u>1505</u>	<u>10.64</u>		<u>12.3</u>	<u>0.040</u>	<u>5.50</u>	<u>20.01</u>	<u>15.9</u>	<u>25</u>		
<u>1510</u>	<u>10.64</u>		<u>12.3</u>	<u>0.040</u>	<u>5.47</u>	<u>20.01</u>	<u>12.4</u>	<u>18</u>		
<u>1515</u>	<u>10.64</u>		<u>12.3</u>	<u>0.042</u>	<u>5.47</u>	<u>20.01</u>	<u>11.5</u>	<u>16</u>		
<u>1520</u>	<u>10.64</u>		<u>12.2</u>	<u>0.040</u>	<u>5.47</u>	<u>20.01</u>	<u>8.00</u>	<u>11</u>		
<u>1525</u>	<u>10.64</u>		<u>12.3</u>	<u>0.039</u>	<u>5.48</u>	<u>20.01</u>	<u>7.60</u>	<u>8</u>		<u>Collected Sample</u>
<u>1600</u>	<u>Collection</u>		<u>Complete</u>							

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER SIMCO BLADDER GEOPUMP
 TYPE OF TUBING: SILASTIC LOW DENSITY POLYETHYLENE OTHER _____
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL OTHER _____ NONE
 TYPE OF BLADDER MATERIAL: TEFLON OTHER _____ NONE

ANALYTICAL PARAMETERS

To Be Collected: VOC SVOC PEST / PCBs TAL INORGANICS Natural Attenuation Parameters

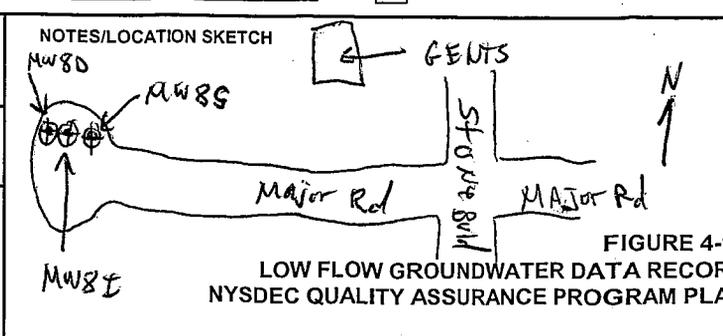
METHOD NUMBER: 8260B CLP-8220C
 PRESERVATION METHOD: HCL / 4 DEG. C 4 DEG. C 4 DEG. C HNO3 to pH <2
 VOLUME REQUIRED: 2 X 40 mL 2 X 1 L AG 2 X 1 L AG 1 X 1 LP
 SAMPLE COLLECTED: VOC SVOC PEST / PCBs TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NUMBER OF GALLONS GENERATED: 3

Signature: [Signature]

MACTEC
 511 Congress Street, Portland, Maine 04101
01-18-10



Please TAKE THIS for your PROJECT FILE!

This helps document measurement quality and manage risks.

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT: GENTS Uniform Service Rental

DATE: 1-11-10

PROJECT NUMBER: 3612092134-02.d1

CALIBRATED BY: Tige Cunningham

MULTI-PARAMETER WATER QUALITY MONITORING SYSTEM:

MODEL: Horiba-U22

~~Horiba-U10~~ TC

UNIT ID NUMBER: M015-02

~~M014-~~

	pH Units	Conductivity mS/cm	DO mg/L*	Temperature deg. C
CONCENTRATION	4.00	4.49	11.5	N/A
RESULTS	3.99	4.58	13.82	7.9
ACCEPTABLE CRITERIA	+/- 10% of standard	+/- 10% of standard	+/- 10% of standard	+/- 2.0 deg. C

ORP
268

Auto Calibration Fluids: Auto Cal Solution

Standard Source: Lot Number: 7148

Expiration Date: 5/20/10

TURBIDITY METER TYPE:

MODEL: HACH2100P

Lamotte 2020

UNIT ID NUMBER: 20.1 NTU M024- PINE 05306

STANDARD VALUE	<u><0.01 NTU (low) TC</u>	800 NTU (high)	20 NTU	100 NTU
METER VALUE	<u>0.37</u> NTU	<u>787</u> NTU	<u>20.5</u>	<u>98.3</u>
ACCEPTABLE CRITERIA	within 0.3 NTU of standard	+/- 10% of standard	10% of standard	standard

PHOTO IONIZATION DEVICE:

MODEL: thermo 580B

Mini RAE 2000

UNIT ID NUMBER: M001- NYSDEC-01

CALIBRATION GAS LOT NUMBER: 00756

	Ambient Zero Air	Span Gas
BACKGROUND	0 ppmv	100 ppmv
METER VALUE	<u>0</u> ppmv	<u>97</u> ppmv
ACCEPTABLE CRITERIA	within 5 ppmv of 0	+/- 10% of standard

O2-LEL

MODEL: V-REA

UNIT ID NUMBER: M012- AS

CALIBRATION GAS LOT NUMBER: _____

GAS USED	METHANE	OXYGEN	H2S	CO
CONCENTRATION	50%	20.90%	25 ppm	50 ppm
RESULTS				

Please TAKE THIS for your PROJECT FILE!

This helps document measurement quality and manage risks.

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT: Gents Uniform
 PROJECT NUMBER: 3612092134-02.1

DATE: 11-11-10
 CALIBRATED BY: AS

MULTI-PARAMETER WATER QUALITY MONITORING SYSTEM:

MODEL: Horiba-U22 Horiba-U10
 UNIT ID NUMBER: M015-05 M014-~~AS~~

	pH Units	Conductivity mS/cm	DO mg/L*	Temperature deg. C
CONCENTRATION	4.00	4.49	9.4	17
RESULTS	3.98	4.52	10.3	17.1
ACCEPTABLE CRITERIA	+/- 10% of standard	+/- 10% of standard	+/- 10% of standard	+/- 2.0 deg. C

Auto Calibration Fluids: Auto Cal Solution
 Standard Source: Lot Number: 1182 Expiration Date: 5/26/10

TURBIDITY METER TYPE:

MODEL: HACH2100P Lamotte 2020
 UNIT ID NUMBER: M024-fine

STANDARD VALUE	< 0.01 NTU (low)	800 NTU (high)
METER VALUE	0.11 NTU	780 NTU
ACCEPTABLE CRITERIA	within 0.3 NTU of standard	+/- 10% of standard

PHOTO IONIZATION DEVICE:

MODEL: thermo 580B Mini RAE 2000
 UNIT ID NUMBER: M001-NKS/200/05

CALIBRATION GAS LOT NUMBER: 004756

	<u>Background Zero Air</u>	Span Gas
BACKGROUND	0 ppmv	100 ppmv
METER VALUE	10.1 ppmv	102 ppmv
ACCEPTABLE CRITERIA	within 5 ppmv of 0	+/- 10% of standard

O2-LEL

MODEL: V-REA
 UNIT ID NUMBER: M012-
 CALIBRATION GAS LOT NUMBER: AS

GAS USED	METHANE	OXYGEN	H2S	CO
CONCENTRATION	50%	20.90%	25 ppm	50 ppm
RESULTS				

TC ✓
 1/27/10

Please TAKE THIS for your PROJECT FILE!

This helps document measurement quality and manage risks.

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT: Cents Uniform
 PROJECT NUMBER: 3612092134-02-1

DATE: 01-12-10
 CALIBRATED BY: BAS

MULTI-PARAMETER WATER QUALITY MONITORING SYSTEM:

MODEL: Horiba-U22 Horiba-U10
 UNIT ID NUMBER: M015-05 M014-

	pH	Conductivity	DO	Temperature
	Units	mS/cm	mg/L*	deg. C
CONCENTRATION	4.00	4.49	8.5	22
RESULTS	4.02	4.49	8.71	22.0
ACCEPTABLE CRITERIA	+/- 10% of standard	+/- 10% of standard	+/- 10% of standard	+/- 2.0 deg. C

Auto Calibration Fluids: Auto Cal Solution
 Standard Source: Lot Number: 7162 Expiration Date: 05/26/2010

TURBIDITY METER TYPE:

MODEL: HACH2100P Lamotte 2020
 UNIT ID NUMBER: M024-Pine

STANDARD VALUE	<u>< 0.01 NTU (low)</u>	<u>800 NTU (high)</u>
METER VALUE	<u>0.09 NTU</u>	<u>818 NTU</u>
ACCEPTABLE CRITERIA	<u>within 0.3 NTU of standard</u>	<u>+/- 10% of standard</u>

PHOTO IONIZATION DEVICE:

MODEL: thermo 580B Mini RAE 2000
 UNIT ID NUMBER: M001-

CALIBRATION GAS LOT NUMBER: _____

	Zero Air	Span Gas
BACKGROUND	<u>0 ppmv</u>	<u>100 ppmv</u>
METER VALUE	<u>ppmv</u>	<u>ppmv</u>
ACCEPTABLE CRITERIA	<u>within 5 ppmv of 0</u>	<u>+/- 10% of standard</u>

O2-LEL

MODEL: V-REA BAS
 UNIT ID NUMBER: M012-
 CALIBRATION GAS LOT NUMBER: _____

GAS USED	METHANE	OXYGEN	H2S	CO
CONCENTRATION	<u>50%</u>	<u>20.90%</u>	<u>25 ppm</u>	<u>50 ppm</u>
RESULTS				

TK ✓
ICD 1/27/10

Please TAKE THIS for your PROJECT FILE!

This helps document measurement quality and manage risks.

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT: GENTS Uniform Service Rental

DATE: 1-12-2010

PROJECT NUMBER: 3612092134-02.01

CALIBRATED BY: Tige C.

MULTI-PARAMETER WATER QUALITY MONITORING SYSTEM:

MODEL: Horiba-U22

Horiba U10 TC

UNIT ID NUMBER: M015-02

~~M014-~~

	pH Units	Conductivity mS/cm	DO mg/L*	Temperature deg. C	ORP mV
CONCENTRATION	4.00	4.49	8.72	<u>22</u>	N/A
RESULTS	3.99	4.50	8.90	22.3	
ACCEPTABLE CRITERIA	+/- 10% of standard	+/- 10% of standard	+/- 10% of standard	+/- 2.0 deg. C	N/A

Auto Calibration Fluids: Auto Cal Solution

Standard Source: Lot Number: 7148

Expiration Date: 5/20/2010

TURBIDITY METER TYPE:

MODEL: HACH2100P

Lamotte 2020

UNIT ID NUMBER: M024-PINE #05306

STANDARD VALUE	< 0.01 NTU (low)	800 NTU (high)	20 NTU	100 NTU
METER VALUE	<u>0.25</u> NTU	<u>779</u> NTU	<u>20.7</u>	<u>99.5</u>
ACCEPTABLE CRITERIA	within 0.3 NTU of standard	+/- 10% of standard	10%	10%

PHOTO IONIZATION DEVICE:

MODEL: thermo 580B

Mini RAE 2000

UNIT ID NUMBER: M001-NYSDEC-01

CALIBRATION GAS LOT NUMBER: 004756

	Ambient Zero Air <u>(TC)</u>	Span Gas
BACKGROUND	0 ppmv	100 ppmv
METER VALUE	<u>0</u> ppmv	<u>95</u> 1099 ppmv
ACCEPTABLE CRITERIA	within 5 ppmv of 0	+/- 10% of standard

O2-LEL

MODEL: V-REA

UNIT ID NUMBER: M012-

CALIBRATION GAS LOT NUMBER: AS

GAS USED	METHANE	OXYGEN	H2S	CO
CONCENTRATION	50%	20.90%	25 ppm	50 ppm
RESULTS				

Please TAKE THIS for your PROJECT FILE!

This helps document measurement quality and manage risks.

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT: Sentis Unit 10 m
 PROJECT NUMBER: 3612042134-02.1

DATE: 01-13-10
 CALIBRATED BY: BAS

MULTI-PARAMETER WATER QUALITY MONITORING SYSTEM:

MODEL: Horiba-U22 Horiba-U10
 UNIT ID NUMBER: M015- 05 M014- AS

	pH Units	Conductivity mS/cm	DO mg/L	Temperature deg. C
CONCENTRATION	4.00	4.49	10.68	21
RESULTS	<u>3.94</u>	<u>4.50</u>	<u>9.16</u>	<u>20.6</u>
ACCEPTABLE CRITERIA	+/- 10% of standard	+/- 10% of standard	+/- 10% of standard	+/- 2.0 deg. C

Auto Calibration Fluids: Auto Cal Solution
 Standard Source: Lot Number: 7162 Expiration Date: 05/26/10

TURBIDITY METER TYPE:

MODEL: HACH2100P Lamotte 2020
 UNIT ID NUMBER: M024- Pine

STANDARD VALUE	< 0.01 NTU (low)	800 NTU (high)
METER VALUE	<u>0.23</u> NTU	<u>837</u> NTU
ACCEPTABLE CRITERIA	within 0.3 NTU of standard	+/- 10% of standard

PHOTO IONIZATION DEVICE:

MODEL: thermo.580B Mini RAE 2000
 UNIT ID NUMBER: M001- _____

CALIBRATION GAS LOT NUMBER: _____

	Zero Air	Span Gas
BACKGROUND	0 ppmv	100 ppmv
METER VALUE	ppmv	ppmv
ACCEPTABLE CRITERIA	within 5 ppmv of 0	+/- 10% of standard

O2-LEL

MODEL: V-REA AS
 UNIT ID NUMBER: M012- _____
 CALIBRATION GAS LOT NUMBER: _____

GAS USED	METHANE	OXYGEN	H2S	CO
CONCENTRATION	50%	20.90%	25 ppm	50 ppm
RESULTS				

TCV
 1/27/10

Please TAKE THIS for your PROJECT FILE!

This helps document measurement quality and manage risks.

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT: GENTS Uniform Service Rental

DATE: 1-13-10

PROJECT NUMBER: 3612092134-02.01

CALIBRATED BY: Tige C.

MULTI-PARAMETER WATER QUALITY MONITORING SYSTEM:

MODEL: Horiba-U22

~~Horiba-U10~~ TC

UNIT ID NUMBER: M015-02

~~M014-~~

	pH	Conductivity	DO	Temperature	DRP
	Units	mS/cm	mg/L*	deg. C	mV
CONCENTRATION	4.00	4.49	8.68	20.9	N/A
RESULTS	4.00	4.49	8.68	20.9	268
ACCEPTABLE CRITERIA	+/- 10% of standard	+/- 10% of standard	+/- 10% of standard	+/- 2.0 deg. C	N/A

Auto Calibration Fluids: Auto Cal Solution

Standard Source: Lot Number: 7148

Expiration Date: 5/20/2010

TURBIDITY METER TYPE:

MODEL: HACH2100P

Lamotte 2020

UNIT ID NUMBER: M024-PINE #05306

STANDARD VALUE	< 0.01 NTU (low)	800 NTU (high)	20 NTU	100 NTU
METER VALUE	0.24 NTU	785 NTU	20.5	100
ACCEPTABLE CRITERIA	within 0.3 NTU of standard	+/- 10% of standard	10%	10%

PHOTO IONIZATION DEVICE:

MODEL: thermo. 580B

Mini RAE 2000

UNIT ID NUMBER: M001-NYSDEC-01

CALIBRATION GAS LOT NUMBER: 014756

	Ambient Zero Air <u>TC</u>	Span Gas
BACKGROUND	0 ppmv	100 ppmv
METER VALUE	0 ppmv	96 97 ppmv
ACCEPTABLE CRITERIA	within 5 ppmv of 0	+/- 10% of standard

O2-LEL

MODEL: V-REA

UNIT ID NUMBER: M012-

CALIBRATION GAS LOT NUMBER:

GAS USED	METHANE	OXYGEN	H2S	CO
CONCENTRATION	50%	20.90%	25 ppm	50 ppm
RESULTS				

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT: GENTS UNIFORM SAMPLE I.D. NUMBER: 130051 MW006018 03 XX SAMPLE TIME: 1550
 EXPLORATION ID: MW-06 SITE: Massapequa, NY DATE: 5/18/10
 TIME START: 1444 END: 1553 JOB NUMBER: 3612097134-02.0 FILE TYPE: WYSDEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): 0 FT
 PROTECTIVE CASING / WELL DIFFERENCE: 0.35 FT

INITIAL DEPTH TO WATER: 9.31 FT
 FINAL DEPTH TO WATER: 9.31 FT
 DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch)): < 0.01 GAL
 TOTAL VOL. PURGED: 24 GAL (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

WELL DEPTH (TOR): 22.58 FT
 SCREEN LENGTH: 10 FT
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED: < 0.01

PID AMBIENT AIR: / PPM
 PID WELL MOUTH: / PPM
 PRESSURE TO PUMP: / PSI
 REFILL TIMER SETTING: / SECONDS

WELL DIAMETER: 2 IN
 WELL INTEGRITY: CAP YES NO N/A
 CASING LOCKED / / /
 COLLAR / / /
 DISCHARGE TIMER SETTING: / SECONDS

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1444	Pump on		12.87	0.223	7.70	2.83	61.0	217	18	
1453	9.31	218								missed reading
1458	9.31	218	12.83	0.169	7.9	3.11	150	208		
1503	9.31	240	12.79	0.153	7.80	3.17	107	208		
1508	9.31	240	12.74	0.147	7.80	3.23	72.1	205		
1513	9.31	240	12.71	0.145	7.78	3.18	58.8	204		
1518	9.31	240	12.72	0.144	7.77	3.20	41.7	203		
1523	9.31	200	12.85	0.144	7.76	3.18	39.9	203		reduced purge rate
1528	9.31	200	12.78	0.145	7.76	3.16	35.1	203		
1533	9.31	200	12.67	0.141	7.78	3.20	28.2	204		
1538	9.31	200	12.70	0.143	7.77	3.16	23.9	204		
1543	9.31	200	12.72	0.143	7.76	3.18	22.6	205		
1548	9.31	200	12.67	0.144	7.76	3.18	21.8	205		
1550	collected sample 130051 MW006018 03 XX									
1553	pump off									
			13	0.149	7.8	3.2	21.0	206		OPN 5/18/10

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER SIMCO BLADDER GEOPUMP

TYPE OF TUBING: SILASTIC HIGH DENSITY POLYETHYLENE OTHER

TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL OTHER none

TYPE OF BLADDER MATERIAL: TEFLON OTHER none

ANALYTICAL PARAMETERS

To Be Collected: VOC SVOC PEST / PCBs TAL INORGANICS Other

METHOD NUMBER: 8260B CLP CLP CLP

PRESERVATION METHOD: HCL / 4 DEG. C 4 DEG. C 4 DEG. C HNO3 to pH <2

VOLUME REQUIRED: 3 X 40 mL 2 X 1 L AG 2 X 1 L AG 1 X 1 LP

SAMPLE COLLECTED: VOC SVOC PEST / PCBs TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO

NUMBER OF GALLONS GENERATED: 4

Signature: [Handwritten Signature]

NOTES/LOCATION SKETCH

lots of iron shavings in initial purge volumes
 Initial difficulties w/ geo pump

MACTEC
 511 Congress Street, Portland, Maine 04101
 05-24-10

FIGURE 4-16
 LOW FLOW GROUNDWATER DATA RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT: 6ENTS UNIFORM SAMPLE I.D. NUMBER: 130056 MW 08501 603 X SAMPLE TIME: 16:30
 EXPLORATION ID: MW-85 SITE: Massapequa, NY DATE: 05/17/10
 TIME: START 14:29 END 16:35 JOB NUMBER: 3/12092134-02.01 FILE TYPE: DEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): 0 FT
 PROTECTIVE CASING / WELL DIFFERENCE: 0.35 FT

INITIAL DEPTH TO WATER: 10.57 FT
 FINAL DEPTH TO WATER: 10.58 FT
 DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch)): 0.0016 GAL
 TOTAL VOL. PURGED (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter): ~ 6 1/2 GAL

WELL DEPTH (TOR): 20.18 FT
 SCREEN LENGTH: 10 FT
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED: 2.67 x 10⁻⁵ BPN
20.01
5/17/10

PID AMBIENT AIR: 0.8 PPM
 PID WELL MOUTH: 0.9 PPM
 PRESSURE TO PUMP: / PSI
 REFILL TIMER SETTING: / SECONDS

WELL DIAMETER: 2 IN
 WELL INTEGRITY: YES NO N/A
 CASING LOCKED:
 COLLAR:
 DISCHARGE TIMER SETTING: / SECONDS

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
14:29	pump on	160								
14:33	10.58	160	14.49	0.523	8.10	1.18	117	-45	2/6'	
14:38	10.58	152	14.02	0.322	7.99	0.64	116	-57		
14:43	10.58	185	13.89	0.271	7.90	0.44	108	-60		
14:48	10.58	185	13.87	0.261	7.84	0.35	89.6	-59		
14:53	10.58	185	13.91	0.274	7.80	0.42	74.6	-58		
14:58	10.58	185	13.91	0.273	7.78	0.30	69.7	-56		
15:03	10.58	185	13.89	0.240	7.75	0.31	51.0	-57		
15:08	10.58	185	13.91	0.233	7.73	0.30	44.9	-58		
15:13	10.58	185	13.83	0.231	7.72	0.24	34.4	-57		
15:18	10.58	185	13.81	0.221	7.71	0.28	33.8	-57		
15:23	10.58	185	13.86	0.226	7.71	0.25	26.8	-56		
15:28	10.58	185	13.82	0.225	7.71	0.27	24.7	-57		
15:33	10.58	185	13.85	0.214	7.71	0.25	21.6	-56		
15:38	10.58	185	13.86	0.211	7.71	0.25	14.8	-57		
15:43	10.58	185	13.81	0.207	7.69	0.22	13.1	-57		
15:48	10.58	185	13.84	0.205	7.70	0.21	10.9	-56		
15:53	10.58	185	13.86	0.204	7.68	0.20	10.4	-58		

BPN 5/17/10

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER SIMCO BLADDER GEOPUMP
 TYPE OF TUBING: SILASTIC HIGH DENSITY POLYETHYLENE OTHER
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL OTHER none
 TYPE OF BLADDER MATERIAL: TEFLON OTHER none

ANALYTICAL PARAMETERS

To Be Collected: VOC SVOC PEST / PCBs TAL INORGANICS Other

METHOD NUMBER: 8260B
 CLP
 CLP
 CLP

PRESERVATION METHOD: HCL / 4 DEG. C
 4 DEG. C
 4 DEG. C
 HNO3 to pH < 2

VOLUME REQUIRED: 3 X 40 mL
 2 X 1 L AG
 2 X 1 L AG
 1 X 1 L P

SAMPLE COLLECTED: VOC SVOC PEST / PCBs TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NUMBER OF GALLONS GENERATED: ~ 6 1/2

Signature: [Signature]

NOTES/LOCATION SKETCH

14:37: 1.8 ppm with 40 mL vial screened w/ 1970
 - Iron flux observed in water sensor.
 16:00: reduced flow

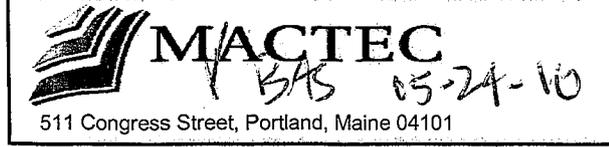


FIGURE 4-16
 LOW FLOW GROUNDWATER DATA RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT GENES UNIFORM SAMPLE I.D. NUMBER 130056Mw08501603xx SAMPLE TIME 16:30
 EXPLORATION ID: MW-85 SITE Massachusetts DATE 05/17/10
 TIME START 14:29 END 16:35 JOB NUMBER 3812092134 FILE TYPE DEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) 0 FT
 PROTECTIVE CASING / WELL DIFFERENCE 0.35 FT

INITIAL DEPTH TO WATER 10.57 FT
 FINAL DEPTH TO WATER 10.58 FT
 DRAWDOWN VOLUME 0.0016 GAL
 (Initial - final x 0.16 (2-inch) or x 0.65 (4-inch))

WELL DEPTH (TOR) 20.18 FT
 SCREEN LENGTH 10 FT
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED 20.01

PID AMBIENT AIR 0.8 PPM
 PID WELL MOUTH 0.9 PPM
 PRESSURE TO PUMP / PSI

WELL DIAMETER 2 IN
 WELL INTEGRITY: CAP YES NO N/A
 CASING
 LOCKED
 COLLAR

TOTAL VOL. PURGED 26 1/3 GAL
 (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

REFILL TIMER SETTING / SECONDS
 DISCHARGE TIMER SETTING / SECONDS

PURGE DATA		SPECIFIC								PUMP		COMMENTS
TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	INTAKE DEPTH (ft)			
15:58	10.58	185	13.80	0.204	7.70	0.22	13.0	-59	16'		continued from p 1/3	
16:03	10.58	160	13.83	0.200	7.68	0.19	12.2	-58				
16:08	10.58	160	13.88	0.204	7.66	0.22	10.7	-60				
16:13	10.58	166	13.85	0.200	7.67	0.21	7.67	-61				
16:18	10.58	160	13.86	0.197	7.67	0.19	9.67	-59				
16:23	10.58	160	13.84	0.197	7.62	0.18	8.31	-59				
16:25	pump off BPN 5/17/10											
16:30	collected sample 130056Mw08501603xx											
16:35	pump off											
			14	0.197	7.6	0.20	8.3	-59		(16)		

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
 MARSHALK BLADDER
 SIMCO BLADDER
 GEOPUMP

TYPE OF TUBING
 SILASTIC
 HIGH DENSITY POLYETHYLENE
 OTHER

TYPE OF PUMP MATERIAL
 POLYVINYL CHLORIDE
 STAINLESS STEEL
 OTHER none

TYPE OF BLADDER MATERIAL
 TEFLON
 OTHER none

ANALYTICAL PARAMETERS

To Be Collected
 VOC
 SVOC
 PEST / PCBs
 TAL INORGANICS
 Other

METHOD NUMBER
 8260B
 CLP
 CLP
 CLP

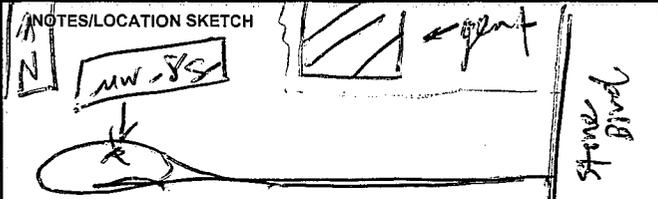
PRESERVATION METHOD
 HCL / 4 DEG. C
 4 DEG. C
 4 DEG. C
 HNO3 to pH < 2

VOLUME REQUIRED
 3 X 40 mL
 2 X 1 L AG
 2 X 1 L AG
 1 X 1 L P

SAMPLE COLLECTED
 VOC
 SVOC
 PEST / PCBs
 TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO
 NUMBER OF GALLONS GENERATED 26 1/3



Signature: [Handwritten Signature]

MACTEC
 511 Congress Street, Portland, Maine 04101
 BAS 05-24-10

FIGURE 4-16
 LOW FLOW GROUNDWATER DATA RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT: CEVTS WIFORM SAMPLE I.D. NUMBER: 130056 MW 8 I 0351032x SAMPLE TIME: 11:15
 EXPLORATION ID: MW-8I SITE: Massapequa NY DATE: 05/18/10
 TIME: START 0946 END 1120 JOB NUMBER: 3/12090134-03.01 FILE TYPE: REC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

INITIAL DEPTH TO WATER: 10.64 FT
 FINAL DEPTH TO WATER: 10.64 FT
 DRAWDOWN VOLUME: 0 GAL
 (initial - final x 0.16 (2-inch) or x 0.65 (4-inch))
 TOTAL VOL. PURGED: ≈ 5 GAL
 (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

PROTECTIVE CASING STICKUP (FROM GROUND): 0 FT
 PROTECTIVE CASING / WELL DIFFERENCE: 0.35 FT
 WELL DIAMETER: 2 IN
 WELL INTEGRITY: YES NO N/A
 CASING LOCKED:
 COLLAR:
 DISCHARGE TIMER SETTING: SECONDS

PID AMBIENT AIR: PPM
 PID WELL MOUTH: PPM
 PRESSURE TO PUMP: PSI
 REFILL TIMER SETTING: SECONDS

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
0946	10.64	240	13.67	0.912	7.23	0.21	2.76	160	35'	
0953	10.64	240	13.67	0.912	7.23	0.21	2.76	160	35'	
0958	10.64	240	13.66	0.788	7.29	0.11	2.18	154		
1003	10.64	240	13.70	0.710	7.29	0.11	0.96	150		
1008	10.64	240	13.69	0.765	7.28	0.27	1.94	147		
1013	10.64	240	13.70	0.845	7.27	0.28	1.63	145		
1018	10.64	240	13.73	0.834	7.27	0.24	1.56	143		
1023	10.64	240	13.67	0.784	7.27	0.15	1.43	141		
1028	10.64	185	13.71	0.709	7.28	0.16	1.11	140		reduced flow
1033	10.64	185	13.69	0.642	7.30	0.08	1.24	139		
1038	10.64	185	13.74	0.590	7.29	0.08	1.24	138		
1043	10.64	185	13.73	0.546	7.30	0.09	1.22	138		
1048	10.64	185	13.75	0.510	7.29	0.08	1.17	137		
1053	10.64	171	13.71	0.479	7.31	0.02	1.25	136		reduced flow
1058	10.64	185	13.64	0.448	7.23	0.01	0.85	136		
1103	10.64	171	13.63	0.430	7.33	0.03	1.30	135		
1108	10.64	171	13.63	0.426	7.33	0.03	1.52	135		
1113	10.64	171	13.61	0.420	7.33	0.04	0.96	135		

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER SIMCO BLADDER GEOPUMP
 TYPE OF TUBING: SILASTIC HIGH DENSITY POLYETHYLENE OTHER
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL OTHER: 4.22
 TYPE OF BLADDER MATERIAL: TEFLON OTHER: how

ANALYTICAL PARAMETERS

To Be Collected:
 VOC SVOC PEST / PCBs TAL INORGANICS Other

METHOD NUMBER:
 8260B
 CLP
 CLP
 CLP

PRESERVATION METHOD:
 HCL / 4 DEG. C
 4 DEG. C
 4 DEG. C
 HNO3 to pH < 2

VOLUME REQUIRED:
 3 X 40 mL
 2 X 1 L AG
 2 X 1 L AG
 1 X 1 L P

SAMPLE COLLECTED:
 VOC SVOC PEST / PCBs TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NUMBER OF GALLONS GENERATED: 25

Signature: [Handwritten Signature]



NOTES/LOCATION SKETCH

Error #5 for pH on Horiba water sensor
 • Sample collected @ 11:15
 • Pump off @ 11:25

FIGURE 4-16
 LOW FLOW GROUNDWATER DATA RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT 6 ENTS WMLFORM SAMPLE I.D. NUMBER 130056MW1RR01903XX SAMPLE TIME 1335
 EXPLORATION ID: MW-1RR SITE Massena, NY DATE 5/18/10
 TIME START 1148 END 1335 JOB NUMBER 31209134 FILE TYPE DEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER _____

INITIAL DEPTH TO WATER 10.03 FT
 FINAL DEPTH TO WATER 10.03 FT
 DRAWDOWN VOLUME 0 GAL
 (initial - final x 0.16 (2-inch) or x 0.65 (4-inch))

TOTAL VOL. PURGED 4 GAL
 (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

PROTECTIVE CASING STICKUP (FROM GROUND) 0 FT
 PROTECTIVE CASING / WELL DIFFERENCE 0.45 FT
 WELL DEPTH (TOR) 20.34 FT
 WELL DIAMETER 3 IN
 SCREEN LENGTH unk FT
 PID AMBIENT AIR / PPM
 PID WELL MOUTH / PPM
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED 0
 PRESSURE TO PUMP / PSI
 REFILL TIMER SETTING / SECONDS

WELL INTEGRITY: YES NO N/A
 CAP
 CASING LOCKED
 COLLAR
 DISCHARGE TIMER SETTING / SECONDS

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1148	10.03	136	14.82	0.476	7.39	0.35	1.81	218	19	
1203	10.03	136	14.84	0.545	7.34	0.69	3.20	217		
1213	10.03	171	14.82	0.470	7.30	0.70	2.13	216		increased purge rate
1218	10.03	150	14.87	1.48	7.33	0.65	2.71	215		
1223	10.03	150	14.81	1.73	7.33	0.56	2.75	213		
1228	10.03	150	14.77	1.47	7.34	0.53	2.31	212		
1233	10.03	150	14.78	1.19	7.33	0.53	2.58	211		
1238	10.03	150	14.79	1.01	7.34	0.46	3.19	210		
1243	10.03	150	14.82	0.744	7.33	0.44	1.46	209		
1248	10.03	160	14.80	0.753	7.34	0.42	4.60	208		increased purge rate
1253	10.03	160	14.81	0.718	7.33	0.42	0.60	207		
1258	10.03	160	14.82	0.682	7.32	0.41	1.11	207		
1303	10.03	160	14.77	0.650	7.34	0.39	1.22	206		
1308	10.03	160	14.73	0.620	7.33	0.36	1.85	205		
1313	10.03	160	14.69	0.595	7.33	0.32	4.20	204		
1318	10.03	160	14.63	0.570	7.34	0.30	2.90	204		
1323	10.03	160	14.58	0.562	7.33	0.24	3.38	203		

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER SIMCO BLADDER GEOPUMP
 TYPE OF TUBING: SILASTIC HIGH DENSITY POLYETHYLENE OTHER _____
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL OTHER none
 TYPE OF BLADDER MATERIAL: TEFLON OTHER none

ANALYTICAL PARAMETERS

To Be Collected: VOC SVOC PEST / PCBs TAL INORGANICS Other _____

METHOD NUMBER: 8260B
 CLP
 CLP
 CLP

PRESERVATION METHOD: HCL / 4 DEG. C
 4 DEG. C
 4 DEG. C
 HNO3 to pH < 2

VOLUME REQUIRED: 3 X 40 mL
 2 X 1 L AG
 2 X 1 L AG
 1 X 1 LP

SAMPLE COLLECTED: VOC SVOC PEST / PCBs TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NUMBER OF GALLONS GENERATED: 4

NOTES/LOCATION SKETCH

Difficulties during under at first; get pump working properly
 1325: collected samples 130056MW1RR01903XX
 1335: pump off

Signature: [Handwritten Signature]

MACTEC
 511 Congress Street, Portland, Maine 04101

FIGURE 4-16
 LOW FLOW GROUNDWATER DATA RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT GENTS UNIFORM SAMPLE I.D. NUMBER 130056MW4MM01503XX SAMPLE TIME 1750
 EXPLORATION ID: MW-4MM SITE Massapequa, NY DATE 05/18/10
 TIME START 1640 END 1755 JOB NUMBER 3612092134-02.01 FILE TYPE DEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

PROTECTIVE CASING STICKUP (FROM GROUND) 0 FT
 PROTECTIVE CASING / WELL DIFFERENCE 0.75 FT
+0.05 FT *BPN 5/19/10*

INITIAL DEPTH TO WATER 7.42 FT
 FINAL DEPTH TO WATER 7.42 FT
 WELL DEPTH (TOR) 18.60 FT
 PID AMBIENT AIR / PPM
 WELL DIAMETER 2 IN

DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch)) 0 GAL
 SCREEN LENGTH UNK FT
 PID WELL MOUTH / PPM
 WELL INTEGRITY: CAP YES NO N/A
 CASING LOCKED
 COLLAR

TOTAL VOL. PURGED 25 GAL
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED 0
 PRESSURE TO PUMP / PSI
 REFILL TIMER SETTING / SECONDS
 DISCHARGE TIMER SETTING / SECONDS

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1640	<u>pump on</u>									<u>geopump difficulties</u>
1645										<u>geopump difficulties</u>
1650	<u>7.42</u>	<u>343</u>	<u>13.91</u>	<u>0.397</u>	<u>8.03</u>	<u>0</u>	<u>E3</u>	<u>-161</u>	<u>15</u>	<u>error message #3 / reduced purge rate</u>
1655	<u>7.42</u>	<u>300</u>	<u>13.68</u>	<u>0.399</u>	<u>7.94</u>	<u>0</u>	<u>E3</u>	<u>-153</u>		<u>error message #3 / reduced purge rate</u>
1700	<u>7.42</u>	<u>267</u>	<u>13.67</u>	<u>0.509</u>	<u>7.89</u>	<u>0</u>	<u>105</u>	<u>-158</u>		
1705	<u>7.42</u>	<u>267</u>	<u>13.71</u>	<u>0.736</u>	<u>7.87</u>	<u>0</u>	<u>29.5</u>	<u>-158</u>		
1710	<u>7.42</u>	<u>267</u>	<u>13.78</u>	<u>0.787</u>	<u>7.87</u>	<u>0</u>	<u>13.7</u>	<u>-158</u>		
1715	<u>7.42</u>	<u>267</u>	<u>13.83</u>	<u>0.718</u>	<u>7.87</u>	<u>0</u>	<u>8.08</u>	<u>-158</u>		
1720	<u>7.42</u>	<u>267</u>	<u>13.96</u>	<u>0.681</u>	<u>7.84</u>	<u>0</u>	<u>9.09</u>	<u>-158</u>		
1725	<u>7.42</u>	<u>267</u>	<u>13.87</u>	<u>0.596</u>	<u>7.84</u>	<u>0</u>	<u>11.9</u>	<u>-157</u>		
1730	<u>7.42</u>	<u>267</u>	<u>13.92</u>	<u>0.551</u>	<u>7.85</u>	<u>0</u>	<u>8.17</u>	<u>-153</u>		
1735	<u>7.42</u>	<u>267</u>	<u>13.93</u>	<u>0.529</u>	<u>7.83</u>	<u>0</u>	<u>7.23</u>	<u>-146</u>		
1740	<u>7.42</u>	<u>240</u>	<u>13.84</u>	<u>0.538</u>	<u>7.84</u>	<u>0.04</u>	<u>7.43</u>	<u>-137</u>		<u>reduced purge rate</u>
1745	<u>7.42</u>	<u>240</u>	<u>13.84</u>	<u>0.524</u>	<u>7.82</u>	<u>0.08</u>	<u>6.95</u>	<u>-127</u>		
1750	<u>7.42</u>	<u>collected sample</u>								
1755	<u>7.42</u>	<u>pump off</u>								

BPN 5/19/10

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
 MARSCHALK BLADDER
 SIMCO BLADDER
 GEOPUMP

TYPE OF TUBING
 SILASTIC
 HIGH DENSITY POLYETHYLENE
 OTHER

TYPE OF PUMP MATERIAL
 POLYVINYL CHLORIDE
 STAINLESS STEEL
 OTHER none

TYPE OF BLADDER MATERIAL
 TEFLON
 OTHER none

ANALYTICAL PARAMETERS

To Be Collected
 VOC
 SVOC
 PEST / PCBs
 TAL INORGANICS
 Other

METHOD NUMBER
 8260B
 CLP
 CLP
 CLP

PRESERVATION METHOD
 HCL / 4 DEG. C
 4 DEG. C
 4 DEG. C
 HNO3 to pH < 2

VOLUME REQUIRED
 3 X 40 mL
 2 X 1 L AG
 2 X 1 L AG
 1 X 1 L P

SAMPLE COLLECTED
 VOC
 SVOC
 PEST / PCBs
 TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO
 NUMBER OF GALLONS GENERATED 25

NOTES/LOCATION SKETCH

• Initial geopump difficulties.
 • Very turbid red/brown purge volume from 1640 to 1700

Signature: [Signature]



FIGURE 4-16
 LOW FLOW GROUNDWATER DATA RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT: gent uniform SAMPLE I.D. NUMBER: 130056 MW0701703 SAMPLE TIME: 1725
 EXPLORATION ID: MW-7 SITE: well 540 eqv. N1 DATE: 5-17-10
 TIME: START 1625 END 1735 JOB NUMBER: 3612092134 FILE TYPE: NY SDEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): 0.0 FT
 PROTECTIVE CASING / WELL DIFFERENCE: 0.15 FT

INITIAL DEPTH TO WATER: 9.10 FT
 FINAL DEPTH TO WATER: 9.10 FT
 DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch)): — GAL
 TOTAL VOL. PURGED (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter): ~3 GAL

WELL DEPTH (TOR): 20.1 FT
 SCREEN LENGTH: ~10 FT
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED: —

PID AMBIENT AIR: <0.1 PPM
 PID WELL MOUTH: <0.1 PPM
 PRESSURE TO PUMP: — PSI
 REFILL TIMER SETTING: — SECONDS

WELL DIAMETER: 2 IN
 WELL INTEGRITY: CAP YES NO N/A
 CASING LOCKED
 COLLAR
 DISCHARGE TIMER SETTING: — SECONDS

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1624	Pump on	—	—	—	—	—	—	—	~17'	pump on
1632	9.10	200	12.8	0.571	6.24	0.91	3.17	100		
1637	9.10	200	12.6	0.825	6.36	0.32	3.98	97		
1642	9.10	200	12.5	0.999	6.41	<0.01	3.45	98		
1647	9.10	200	12.5	0.999	6.42	<0.01	3.11	95		
1652	9.10	200	12.5	0.999	6.44	<0.01	4.97	87		
1657	9.10	200	12.5	0.999	6.45	<0.01	8.41	84		
1702	9.10	200	12.5	0.642	6.46	<0.01	6.66	77	~17'	
1707	9.10	200	12.5	0.680	6.46	<0.01	5.11	74		
1712	9.10	200	12.4	0.667	6.47	<0.01	3.23	66		
1717	9.10	200	12.5	0.672	6.47	<0.01	2.91	63		
1722	9.10	200	12.6	0.660	6.47	<0.01	1.34	65		
1725	Sample time	—	—	—	—	—	—	—		sampled
1728	Pump off	—	—	—	—	—	—	—		pump off.
		13		0.660	6.5	<0.01	1.3	68		

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER SIMCO BLADDER GEOPUMP
 TYPE OF TUBING: SILASTIC HIGH DENSITY POLYETHYLENE OTHER LAPE
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL OTHER none
 TYPE OF BLADDER MATERIAL: TEFLON OTHER none

ANALYTICAL PARAMETERS

To Be Collected: VOC SVOC PEST / PCBs TAL INORGANICS Other

METHOD NUMBER: 8260B
 CLP
 CLP
 CLP

PRESERVATION METHOD: HCL / 4 DEG. C
 4 DEG. C
 4 DEG. C
 HNO3 to pH <2

VOLUME REQUIRED: 3 X 40 mL
 2 X 1 L AG
 2 X 1 L AG
 1 X 1 L P

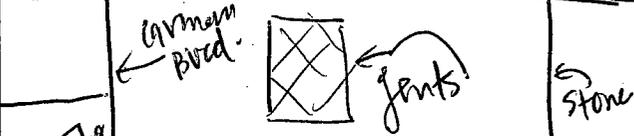
SAMPLE COLLECTED: VOC SVOC PEST / PCBs TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED: ~3

Signature: 

NOTES/LOCATION SKETCH: marker pd



MACTEC
 511 Congress Street, Portland, Maine 04101

FIGURE 4-16
 LOW FLOW GROUNDWATER DATA RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT: gent uniform. SAMPLE I.D. NUMBER: 130056 MW 08 D07003 XL SAMPLE TIME: 1555
 EXPLORATION ID: MW-8D SITE: Massapequa, NY DATE: 5-17-10
 TIME: START 1445 END 1605 JOB NUMBER: 3612092134 FILE TYPE: NYSDEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): 0.0 FT
 PROTECTIVE CASING / WELL DIFFERENCE: 0.4 FT

INITIAL DEPTH TO WATER: 10.61 FT
 FINAL DEPTH TO WATER: 10.63 FT
 DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch)): - GAL
 TOTAL VOL. PURGED: ~3 GAL (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

WELL DEPTH (TOR): 74.8 FT
 SCREEN LENGTH: ~10. FT
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED: -

PID AMBIENT AIR: <0.1 PPM
 PID WELL MOUTH: 0.7 PPM
 PRESSURE TO PUMP: - PSI
 REFILL TIMER SETTING: - SECONDS

WELL DIAMETER: 2 IN
 WELL INTEGRITY: YES NO N/A
 CAP:
 CASING LOCKED:
 COLLAR:
 DISCHARGE TIMER SETTING: - SECONDS

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1453	10.63	120	14.3	0.067	6.34	8.01	15.6	90	~70	pump on
1457	10.63	120	13.6	0.060	6.11	8.87	12.5	47		pid headspace: 0.1 ppm
1502	10.63	120	13.3	0.067	6.02	0.40	12.4	20		
1507	10.63	120	13.4	0.069	6.00	0.27	12.0	13		
1512	10.63	120	13.2	0.122	5.97	8.09	12.1	3		Ⓢ increased flow to 200 ml/min @ 1517.
1517	10.63	200	12.9	0.132	5.96	10.01	20.9	-6		pid headspace: 0.3 ppm
1522	10.63	200	13.1	0.144	5.98	10.01	17.3	-6		
1527	10.63	200	13.0	0.108	5.97	10.01	14.3	-8		
1532	10.63	200	13.0	0.097	5.97	10.01	11.1	-10		
1537	10.63	200	12.8	0.074	5.98	10.01	9.76	-12		
1542	10.63	200	13.0	0.070	5.98	10.01	9.10	-14		
1547	10.63	200	13.1	0.065	5.98	10.01	7.09	-15		
1552	10.63	200	13.1	0.065	5.98	10.01	7.09	-15		
1555	10.63	200	13.1	0.065	5.98	10.01	7.09	-15		sample time
1557	10.63	200	13	0.065	6.0	<0.01	7.1	-15		pump off.

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER SIMCO BLADDER GEOPUMP
 TYPE OF TUBING: PLASTIC HIGH DENSITY POLYETHYLENE OTHER: LDPE
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL OTHER: none
 TYPE OF BLADDER MATERIAL: TEFLON OTHER: none

ANALYTICAL PARAMETERS

To Be Collected:
 VOC SVOC PEST / PCBs TAL INORGANICS Other

METHOD NUMBER:
 8260B
 CLP
 CLP
 CLP

PRESERVATION METHOD:
 HCL / 4 DEG. C
 4 DEG. C
 4 DEG. C
 HNO3 to pH < 2

VOLUME REQUIRED:
 3 X 40 mL
 2 X 1 L AG
 2 X 1 L AG
 1 X 1 L P

SAMPLE COLLECTED:
 VOC SVOC PEST / PCBs TAL INORGANICS

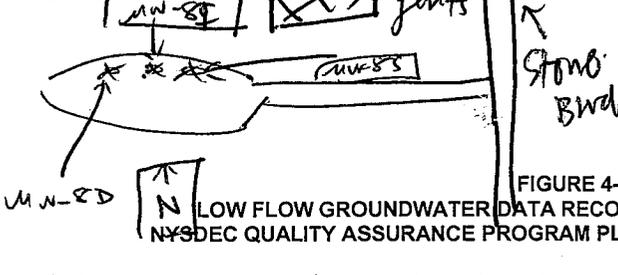
PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NUMBER OF GALLONS GENERATED: ~3

Signature: _____



NOTES/LOCATION SKETCH



LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT: gens uniform SAMPLE I.D. NUMBER: 130056 MW00903503 xx/ms/msd SAMPLE TIME: 1410
 EXPLORATION ID: MW-9 SITE: MUSSELEPERGWAY, NJ DATE: 05-18-10
 TIME START: 1335 END: 1435 JOB NUMBER: 3612092134 FILE TYPE: NYSDEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): 0.0 FT
 PROTECTIVE CASING / WELL DIFFERENCE: 0.3 FT

INITIAL DEPTH TO WATER: 8.71 FT
 FINAL DEPTH TO WATER: 8.70 FT
 DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch)): <0.01 GAL
 TOTAL VOL. PURGED: ~3 GAL (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

WELL DEPTH (TOR): 39.62 FT
 SCREEN LENGTH: ~10 FT
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED: ~0.01

PID AMBIENT AIR: 2.1 PPM
 PID WELL MOUTH: 0.9 PPM
 PRESSURE TO PUMP: — PSI
 REFILL TIMER SETTING: — SECONDS

WELL DIAMETER: 2 IN
 WELL INTEGRITY: CAP YES NO N/A
 CASING LOCKED YES NO N/A
 COLLAR YES NO N/A
 DISCHARGE TIMER SETTING: — SECONDS

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1335	Pump on	300	11.5	0.098	6.35	0.30	80.3	63	~35'	Pump on
1336	8.70	300	11.5	0.098	6.35	0.30	80.3	63		
1343	8.71	300	11.7	0.099	6.39	0.20	87.8	65		
1348	8.70	300	11.6	0.103	6.30	0.11	43.0	67		
1353	8.70	300	11.6	0.107	6.23	0.01	17.8	70		
1358	8.70	300	11.5	0.111	6.20	0.01	9.27	72		
1403	8.70	300	11.4	0.112	6.23	0.01	6.21	71		
1408	8.70	300	11.5	0.111	6.24	0.01	4.01	69		
1410	Sample time	—	—	—	—	—	—	—		Sample time
1415	Pump off	—	—	—	—	—	—	—		Pump off
			12	0.11	6.2	<0.01	4.0	69	(6)	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER SIMCO BLADDER GEOPUMP
 TYPE OF TUBING: SILASTIC HIGH DENSITY POLYETHYLENE OTHER LDPE
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL OTHER none
 TYPE OF BLADDER MATERIAL: TEFLON OTHER none

ANALYTICAL PARAMETERS

To Be Collected: VOC SVOC PEST / PCBs TAL INORGANICS Other

METHOD NUMBER: 8260B
 CLP
 CLP
 CLP

PRESERVATION METHOD: HCL / 4 DEG. C 4 DEG. C 4 DEG. C HNO3 to pH < 2

VOLUME REQUIRED: 2 X 40 mL 2 X 1 L AG 2 X 1 L AG 1 X 1 L P

SAMPLE COLLECTED: VOC SVOC PEST / PCBs TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NUMBER OF GALLONS GENERATED: ~3
 Signature: _____

NOTES/LOCATION SKETCH

collected ms/msd samples here also.



511 Congress Street, Portland, Maine 04101

FIGURE 4-16
 LOW FLOW GROUNDWATER DATA RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT: gent uniform SAMPLE I.D. NUMBER: 13056 MW 03B0040 SAMPLE TIME: 0750
 EXPLORATION ID: MW 3B SITE: Massapequa, NY DATE: 05-18-10
 TIME: START END JOB NUMBER: 3612092134 FILE TYPE: NYSDEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

INITIAL DEPTH TO WATER: 10.31 FT
 FINAL DEPTH TO WATER: UNK FT
 DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch)): GAL
 TOTAL VOL. PURGED (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter): 4 GAL

PROTECTIVE CASING STICKUP (FROM GROUND): 0 FT
 PROTECTIVE CASING / WELL DIFFERENCE: 0.1 FT
 WELL DEPTH (TOR): 64.0 FT
 WELL DIAMETER: 0.75 IN
 SCREEN LENGTH: UNK FT
 PID AMBIENT AIR: PPM
 PID WELL MOUTH: PPM
 PRESSURE TO PUMP: PSI
 REFILL TIMER SETTING: SECONDS

WELL INTEGRITY: YES NO N/A
 CAP:
 LOCKED:
 COLLAR:
 DISCHARGE TIMER SETTING: SECONDS

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS	
12:36	-	-	16.87	0.306	8.87	0.54	167	-34	64'	purged 1 gal	
12:42	-	-	15.59	0.342	9.02	0.81	102	-40	↓	purged 2 gal	
12:50	-	-	17.07	0.259	9.29	3.19	247	52	↓	purged 3 gal	
07:15	10.06	-	-	-	-	-	-	-	-	checked water level.	
07:48	pump on @ MW-3B.										
07:50	Sample time @ MW-3B										
07:53	-	400	13.7	0.160	7.63	0.98	36.2	-225	↓		
07:58	-	400	13.6	0.112	8.21	0.56	36.2	-272	↓		
08:00	18.45	Checked water level								↓	Checked DW
			14	0.112	8.2	0.6	36.2	-272	(18)		

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER SIMCO BLADDER GEOPUMP
 TYPE OF TUBING: SILASTIC HIGH DENSITY POLYETHYLENE OTHER
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL OTHER None
 TYPE OF BLADDER MATERIAL: TEFLON OTHER None

ANALYTICAL PARAMETERS

To Be Collected: VOC SVOC PEST / PCBs TAL INORGANICS Other

METHOD NUMBER: 8260B, CLP, CLP, CLP

PRESERVATION METHOD: HCL / 4 DEG. C, 4 DEG. C, 4 DEG. C, HNO3 to pH < 2

VOLUME REQUIRED: 3 X 40 mL, 2 X 1 L AG, 2 X 1 L AG, 1 X 1 L P

SAMPLE COLLECTED: VOC SVOC PEST / PCBs TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NUMBER OF GALLONS GENERATED: 4

NOTES/LOCATION SKETCH

Purge water black.

[Signature]
6/2/10

Signature: *[Signature]*

MACTEC
 511 Congress Street, Portland, Maine 04101

3A, 3B, 3C, 3D: Purged well dry over 5/17-5/18 to sample well recharge on 5/20. Well diameter too small to simultaneously measure water level and purge. Purge rate could not be recorded accurately while purging because wells FIGURE 4-16 were purged manually.
 LOW FLOW GROUNDWATER DATA RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN
 - BPN, 6/2/10

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT Leeds Uniform SAMPLE I.D. NUMBER 17056MN03A-0860M SAMPLE TIME D 135
 EXPLORATION ID: MW-3A SITE Massapequa, NY DATE 5/17/10
 TIME START 11:50 END - JOB NUMBER 3612092134 FILE TYPE DEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

INITIAL DEPTH TO WATER 9.11 FT
 FINAL DEPTH TO WATER 65.05 FT
 DRAWDOWN VOLUME - GAL
 (initial - final x 0.16 (2-inch) or x 0.65 (4-inch))
 TOTAL VOL PURGED ~5 GAL
 (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

PROTECTIVE CASING STICKUP (FROM GROUND) 0 FT
 PROTECTIVE CASING / WELL DIFFERENCE 0.1 FT
 WELL DIAMETER 0.75 IN
 WELL INTEGRITY: CAP YES NO N/A
 CASING LOCKED
 COLLAR
 DISCHARGE TIMER SETTING - SECONDS

PID AMBIENT AIR - PPM
 PID WELL MOUTH - PPM
 PRESSURE TO PUMP - PSI
 REFILL TIMER SETTING - SECONDS

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (gpm)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
11:50	-	-	6.60	0.627	6.60	3.66	129	-28	~78'	purged 1 gal
12:13	-	-	15.93	0.488	7.70	1.72	129	-68	↓	purged 2 gal
12:55	65.05	-	12.0	0.091	6.78	4.06	>1000	-112	↓	purged 3.5 gallons
01:15	9.89	-	-	-	-	-	-	-	-	-
01:30	-	-	-	-	-	-	-	-	-	Began purging
01:35	-	0.180	-	-	-	-	-	-	-	collected gw sample via geo pump - 86'
01:40	-	0.400	14.9	0.180	6.45	1.97	49.4	-62	↓	-
01:45	-	0.400	14.5	0.159	6.51	3.15	59.7	-107	↓	-
01:46	-	-	-	-	20.45	-	-	-	-	Checking final DTR: 20.45
			15	0.159	6.5	3.2	59.7	-107	⊕	DTR after sampling: 20.45

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER, SIMCO BLADDER, GEOPUMP
 TYPE OF TUBING: SILASTIC, HIGH DENSITY POLYETHYLENE, OTHER HDPE
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE, STAINLESS STEEL, OTHER None
 TYPE OF BLADDER MATERIAL: TEFLON, OTHER None

ANALYTICAL PARAMETERS

To Be Collected:
 VOC, SVOC, PEST / PCBs, TAL INORGANICS, Other

METHOD NUMBER:
 8260B, CLP, CLP, CLP

PRESERVATION METHOD:
 HCL / 4 DEG. C, 4 DEG. C, 4 DEG. C, HNO3 to pH <2

VOLUME REQUIRED:
 3 X 40 mL, 2 X 1 L AG, 2 X 1 L AG, 1 X 1 LP

SAMPLE COLLECTED:
 VOC, SVOC, PEST / PCBs, TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO
 NUMBER OF GALLONS GENERATED ~5

NOTES/LOCATION SKETCH

12:15: tube slid into well; purging delayed until it can be retrieved.

Signature: _____

MACTEC
 511 Congress Street, Portland, Maine 04101

Purge water black.
 No purge samples collected on 5/20/10
 FIGURE 4-16
 LOW FLOW GROUNDWATER DATA RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN
 See note on form for MW 3A per 6/12/10

Dates
 05-17-10
 ↓
 12:25
 05-18-10
 05-20-10

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT: geot unit form SAMPLE I.D. NUMBER: 30056MW07005003XX SAMPLE TIME: 0805
 EXPLORATION ID: MW-3C SITE: Mass Ave, NY DATE: 05-18-10
 TIME: START END JOB NUMBER: 361202134 FILE TYPE: NYSDEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): 0 FT
 PROTECTIVE CASING / WELL DIFFERENCE: 0 FT

INITIAL DEPTH TO WATER: 11.22 FT
 FINAL DEPTH TO WATER: UNK FT
 DRAWDOWN VOLUME: UNK GAL
 (initial - final x 0.16 (2-inch) or x 0.65 (4-inch))

WELL DEPTH (TOR): 50.9 FT
 SCREEN LENGTH: 25 FT
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED: UNK

PID AMBIENT AIR: PPM
 PID WELL MOUTH: PPM
 PRESSURE TO PUMP: PSI
 REFILL TIMER SETTING: SECONDS

WELL DIAMETER: 0.75 IN
 WELL INTEGRITY: YES NO N/A
 CASING LOCKED:
 COLLAR:
 DISCHARGE TIMER SETTING: SECONDS

TOTAL VOL. PURGED: 23 GAL
 (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC			TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
				CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)				
05-17-10 ↓ 05-18-10 05-26-10	13:45	-	16.90	0.524	9.40	0.81	226	-32	25'	purged 1 gal
	13:55	-	17.42	0.684	9.41	9.42	287	115		purged 1.75 gal
	17:15	10.01								collected water level
	07:15	9.89								"
	08:03									Pump @ MW-3C
	08:05									collected gw sample @ MW-3C
	08:10	400	11.0	0.552	8.58	0.40	71000	-263		sample time
	08:15	400	14.1	0.538	7.53	0.12	61.2	-283		
	08:20	23.77								checking water level
			14	0.538	7.5	0.1	61.2	-283	(6)	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER SMC0 BLADDER GEOPUMP
 TYPE OF TUBING: SILASTIC HIGH DENSITY POLYETHYLENE OTHER
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL OTHER none
 TYPE OF BLADDER MATERIAL: TEFLON OTHER none

ANALYTICAL PARAMETERS

To Be Collected:
 VOC SVOC PEST / PCBs TAL INORGANICS Other

METHOD NUMBER:
 8260B
 CLP
 CLP
 CLP

PRESERVATION METHOD:
 HCL / 4 DEG. C
 4 DEG. C
 4 DEG. C
 HNO3 to pH < 2

VOLUME REQUIRED:
 3 X 40 mL
 2 X 1 LAG
 2 X 1 LAG
 1 X 1 L P

SAMPLE COLLECTED:
 VOC SVOC PEST / PCBs TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NUMBER OF GALLONS GENERATED: 3

Signature: [Signature]

MACTEC
 511 Congress Street, Portland, Maine 04101

[Signature]
 6/3/10

NOTES/LOCATION SKETCH

13:00 - No purge volume could be generated.
 13:45 - Purge line fixed; commenced purging.
 Purge water is black.
 See note on form for MW-3B.
 BPN-6/1/10

FIGURE 4-16
 LOW FLOW GROUNDWATER DATA RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT gent uniform SAMPLE I.D. NUMBER 13065mwb3D06203XX SAMPLE TIME 0825
 EXPLORATION ID: MW-3D SITE Massapequett, NY DATE 05-20-10
 TIME START END JOB NUMBER 3612092134 FILE TYPE NYSDEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

INITIAL DEPTH TO WATER 10.86 FT
 FINAL DEPTH TO WATER 48.81 FT
 DRAWDOWN VOLUME GAL
 (initial - final x 0.16 (2-inch) or x 0.65 (4-inch))
 TOTAL VOL. PURGED 24 GAL
 (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

PROTECTIVE CASING STICKUP (FROM GROUND) 0.0 FT
 PROTECTIVE CASING / WELL DIFFERENCE 0.1 FT
 WELL DEPTH (TOR) 72.0 FT
 WELL DIAMETER 0.75 IN
 SCREEN LENGTH -5 FT
 PID AMBIENT AIR PPM
 PID WELL MOUTH PPM
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED
 PRESSURE TO PUMP PSI
 REFILL TIMER SETTING SECONDS

WELL INTEGRITY: YES NO N/A
 CAP
 LOCKED
 COLLAR
 DISCHARGE TIMER SETTING SECONDS

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
13:06	-	-	16.20	0.274	10.05	0.95	91.1	32	~62"	purged 1 gal.
13:14	-	-	15.18	0.235	10.18	1.45	92.5	22		purged 2 gal.
13:22	-	-	15.59	0.200	10.24	3.75	104	13		purged 3 gal.
1715	48.81									checked intercom
0715	31.31									
0822	Purging w/ water on pump -									
0825	collected gw sample.									
0830	38.64	-	14.0	0.169	7.12	2.68	621	-54		Sampled
			14	0.169	7.1	2.7	621	-54		

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER, SIMCO BLADDER, GEOPUMP Water

TYPE OF TUBING: SILASTIC, HIGH DENSITY POLYETHYLENE, OTHER

TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE, STAINLESS STEEL, OTHER none

TYPE OF BLADDER MATERIAL: TEFLON, OTHER none

ANALYTICAL PARAMETERS

To Be Collected: VOC, SVOC, PEST / PCBs, TAL INORGANICS, Other

METHOD NUMBER: 8260B, CLP, CLP, CLP

PRESERVATION METHOD: HCL / 4 DEG. C, 4 DEG. C, 4 DEG. C, HNO3 to pH <2

VOLUME REQUIRED: 3 X 40 mL, 2 X 1 L AG, 2 X 1 L AG, 1 X 1 L P

SAMPLE COLLECTED: VOC, SVOC, PEST / PCBs, TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO

NUMBER OF GALLONS GENERATED: 24

NOTES/LOCATION SKETCH

Purge water black.

0840 of site

[Handwritten signature]

Signature: *[Handwritten Signature]*

MACTEC

511 Congress Street, Portland, Maine 04101

See note on form for MW-3B

FIGURE 4-16

LOW FLOW GROUNDWATER DATA RECORD

NYSDEC QUALITY ASSURANCE PROGRAM PLAN

Date

05-17-10

↓

05-18-10

05-20-10

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT: gent uniform SAMPLE I.D. NUMBER: 130056mw4mm01603XX SAMPLE TIME: 1935
 EXPLORATION ID: MW-5(MM) SITE: MASSAPEQUA, NY DATE: 05-18-10
 TIME: START 455 END 1545 JOB NUMBER: 3612093134 FILE TYPE: NYSDEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

INITIAL DEPTH TO WATER: 5.56 FT
 FINAL DEPTH TO WATER: 5.57 FT
 DRAWDOWN VOLUME: <0.01 GAL
 (initial - final x 0.16 (2-inch) or x 0.65 (4-inch))
 TOTAL VOL. PURGED: ~3 GAL
 (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

PROTECTIVE CASING STICKUP (FROM GROUND): 1.0 FT
 PROTECTIVE CASING / WELL DIFFERENCE: 0.8 FT
 WELL DEPTH (TOR): 18.8 FT
 WELL DIAMETER: 2 IN
 PID AMBIENT AIR: <0.1 PPM
 PID WELL MOUTH: <0.1 PPM
 PRESSURE TO PUMP: - PSI
 REFILL TIMER SETTING: - SECONDS

WELL INTEGRITY: YES NO N/A
 CAP:
 LOCKED:
 COLLAR:
 DISCHARGE TIMER SETTING: - SECONDS

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1458	Pump on	300 @	MW-5 (mm)						~16'	pump on
1500	5.56	300	12.1	0.498	6.05	1.11	5.06	146		
1505	5.56	300	12.0	0.511	6.06	1.02	6.12	151		
1510	5.57	300	12.0	0.543	6.06	0.72	5.80	159		
1515	5.57	300	12.0	0.555	6.07	0.63	3.42	169		
1520	5.57	300	12.0	0.567	6.07	0.57	2.12	175		
1525	5.57	300	12.1	0.575	6.08	0.52	1.02	177		
1530	5.57	300	12.1	0.582	6.08	0.60	1.91	180		
1535	Sample time									Sample time
1538	Pump off									pump off.
			12	0.582	6.1	0.6	1.9	180		

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER SIMCO BLADDER GEOPUMP
 TYPE OF TUBING: SILASTIC HIGH DENSITY POLYETHYLENE OTHER LDPE
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL OTHER none
 TYPE OF BLADDER MATERIAL: TEFLON OTHER none

ANALYTICAL PARAMETERS

To Be Collected: VOC SVOC PEST / PCBs TAL INORGANICS Other _____

METHOD NUMBER: 8260B
 CLP
 CLP
 CLP

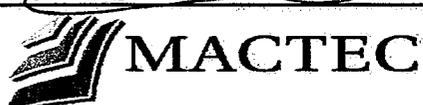
PRESERVATION METHOD: HCL / 4 DEG. C
 4 DEG. C
 4 DEG. C
 HNO3 to pH <2

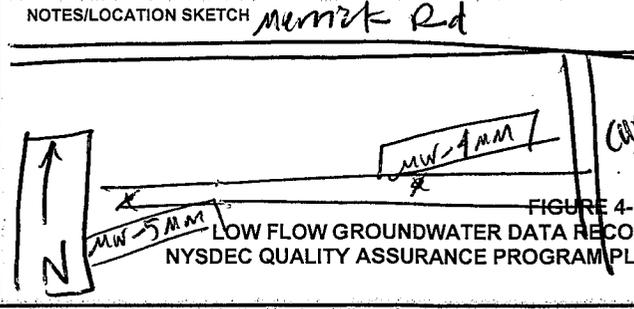
VOLUME REQUIRED: 3 X 40 mL
 2 X 1 L AG
 2 X 1 L AG
 1 X 1 L P

SAMPLE COLLECTED: VOC SVOC PEST / PCBs TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NUMBER OF GALLONS GENERATED: ~3

Signature: _____

 511 Congress Street, Portland, Maine 04101



LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT: gait uniform SAMPLE I.D. NUMBER: 130056mWD1002503XX SAMPLE TIME: 0850
 EXPLORATION ID: MW-10 SITE: MAS Saepquan, NY DATE: 05-18-10
 TIME: START 0805 END 0900 JOB NUMBER: 3612092139 FILE TYPE: NYSDEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT: TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): 0.0 FT
 PROTECTIVE CASING / WELL DIFFERENCE: 0.3 FT

INITIAL DEPTH TO WATER: 7.57 FT
 FINAL DEPTH TO WATER: 7.58 FT
 DRAWDOWN VOLUME (initial - final x 0.16 (2-inch) or x 0.65 (4-inch)): 60.1 GAL
 TOTAL VOL. PURGED: ~4 GAL (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

WELL DEPTH (TOR): 29.1 FT
 SCREEN LENGTH: -10 FT
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED: 0.025 (circled)

PID AMBIENT AIR: 60.1 PPM
 PID WELL MOUTH: 0.9 PPM
 PRESSURE TO PUMP: - PSI
 REFILL TIMER SETTING: - SECONDS

WELL DIAMETER: 2 IN
 WELL INTEGRITY: YES NO N/A
 CAP:
 CASING LOCKED:
 COLLAR:
 DISCHARGE TIMER SETTING: - SECONDS

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
0805	~ Pump	0.1	10	MW-10	-	-	-	-	~25'	pump on.
0808	7.57	250	11.3	0.395	6.00	0.53	112	69		
0813	7.58	250	11.3	0.489	6.05	0.34	36.9	64		PID headspace: 7.4 ppm
0818	7.57	250	11.1	0.512	6.07	0.41	30.1	60		
0823	7.57	250	11.2	0.434	6.13	0.21	39.6	54		
0828	7.58	250	11.1	0.379	6.20	0.07	49.8	50		
0833	7.58	250	11.2	0.351	6.25	0.01	45.5	48		PID headspace: 7.9 ppm
0838	7.57	250	11.1	0.341	6.30	60.1	22.6	45		
0843	7.58	250	11.2	0.332	6.32	60.1	20.9	44		
0848	7.57	250	11.1	0.328	6.33	60.1	21.0	42		Sample time & pump off
0850	collected sample @ MW-10	-	-	-	-	-	-	-		
0852	pump off	-	-	-	-	-	-	-		
			11	0.328	6.3	60.1	21.0	42	(2)	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER SIMCO BLADDER GEOPUMP
 TYPE OF TUBING: SILASTIC HIGH DENSITY POLYETHYLENE OTHER: LDPE
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL OTHER: none
 TYPE OF BLADDER MATERIAL: TEFLON OTHER: none

ANALYTICAL PARAMETERS

To Be Collected: VOC SVOC PEST / PCBs TAL INORGANICS Other: _____

METHOD NUMBER: 8260B
 CLP
 CLP
 CLP

PRESERVATION METHOD: HCL / 4 DEG. C
 4 DEG. C
 4 DEG. C
 HNO3 to pH <2

VOLUME REQUIRED: 3 X 40 mL
 2 X 1 L AG
 2 X 1 L AG
 1 X 1 L P

SAMPLE COLLECTED: VOC SVOC PEST / PCBs TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NUMBER OF GALLONS GENERATED: ~4

NOTES/LOCATION SKETCH

collected PID headspace via empty vial via = 7.9 ppm

Signature: _____

MACTEC
 511 Congress Street, Portland, Maine 04101

FIGURE 4-16
 LOW FLOW GROUNDWATER DATA RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD

PROJECT: 36120 Gents Uniform SAMPLE I.D. NUMBER: 130056 NW 01025 03XX SAMPLE TIME: 1305
 EXPLORATION ID: NW-11 SITE: MASSAPEQUA, NY DATE: 5-17-10
 TIME: START 1215 END 1315 JOB NUMBER: 3612092134 FILE TYPE: NYSDEC

WATER LEVEL / PUMP SETTINGS

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

INITIAL DEPTH TO WATER: 5.31 FT
 FINAL DEPTH TO WATER: 5.27 FT
 DRAWDOWN VOLUME: 20.01 GAL
 (initial - final x 0.16 (2-inch) or x 0.65 (4-inch))
 TOTAL VOL. PURGED: 2.5 GAL
 (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)

PROTECTIVE CASING STICKUP (FROM GROUND): 0.0 FT
 PROTECTIVE CASING / WELL DIFFERENCE: 0.2 FT
 WELL DEPTH (TOR): 29.9 FT
 PID AMBIENT AIR: 20.1 PPM
 WELL DIAMETER: 2 IN
 SCREEN LENGTH: 10 FT
 PID WELL MOUTH: 0.8 PPM
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED: 20.01
 PRESSURE TO PUMP: - PSI
 REFILL TIMER SETTING: - SECONDS

WELL INTEGRITY: YES NO N/A
 CAP:
 CASING LOCKED:
 COLLAR:
 DISCHARGE TIMER SETTING: - SECONDS

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (ml/m)	TEMP. (deg. c)	SPECIFIC CONDUCTANCE (ms/cm)	pH (units)	DISS. O2 (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1215	Plump	on	14.4	0.195	6.01	1.20	5.69	181	-25'	Plump on
1217	5.30	160	13.7	1.49	6.06	0.28	3.04	149		
1222	5.30	160	13.6	3.49	6.12	0.10	2.11	130		
1227	5.30	160	13.5	2.39	6.12	0.07	1.91	120		
1232	5.30	160	13.4	0.999	6.18	0.04	2.98	96		
1237	5.30	160	13.4	0.999	6.17	0.01	2.34	84		
1242	5.30	160	13.3	0.999	6.17	0.01	2.10	72		
1247	5.30	160	13.3	0.992	6.20	0.01	1.90	64		
1252	5.30	160	13.3	0.991	6.22	0.01	1.82	59		
1257	5.30	180	13.2	0.990	6.21	0.01	1.76	56		
1305	Sample time	off								Sample time
1307	Plump off	off								plump off
			13	0.990	6.2	0.01	1.76	56	(6)	

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: MARSCHALK BLADDER SIMCO BLADDER GEOPUMP
 TYPE OF TUBING: SILASTIC HIGH DENSITY POLYETHYLENE OTHER LDPE
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL OTHER none
 TYPE OF BLADDER MATERIAL: TEFLON OTHER none

ANALYTICAL PARAMETERS

To Be Collected: VOC SVOC PEST / PCBs TAL INORGANICS Other

METHOD NUMBER: 8260B, CLP, CLP, CLP

PRESERVATION METHOD: HCL / 4 DEG. C, 4 DEG. C, 4 DEG. C, HNO3 to pH < 2

VOLUME REQUIRED: 3 X 40 mL, 2 X 1 LAG, 2 X 1 LAG, 1 X 1 LP

SAMPLE COLLECTED: VOC SVOC PEST / PCBs TAL INORGANICS

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NUMBER OF GALLONS GENERATED: 2.5

NOTES/LOCATION SKETCH

collected pid headspace from amtH
 voA vial: 2.9 ppm.

Signature: 

MACTEC
 511 Congress Street, Portland, Maine 04101

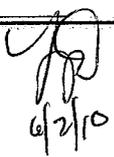


FIGURE 4-16
 LOW FLOW GROUNDWATER DATA RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

Please TAKE THIS for your PROJECT FILE!

This helps document measurement quality and manage risks.

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT: Gents Uniform
 PROJECT NUMBER: 3612092134.

DATE: 05-17-2018 (1030)
 CALIBRATED BY: AFS

MULTI-PARAMETER WATER QUALITY MONITORING SYSTEM:

MODEL: Horiba-U22 ~~Horiba-U10~~
 UNIT ID NUMBER: M015- 07 ~~M014~~

	pH	Conductivity	DO	Temperature
	Units	mS/cm	mg/L *	deg. C
CONCENTRATION	4.00	4.49	9.0	19
RESULTS	3.99	4.48	9.70	19.0
ACCEPTABLE CRITERIA	+/- 10% of standard	+/- 10% of standard	+/- 10% of standard	+/- 2.0 deg. C

Auto Calibration Fluids: Auto Cal Solution
 Standard Source: Lot Number: P900175 Expiration Date: 01/11

TURBIDITY METER TYPE:

MODEL: HACH2100P Lamotte 2020
 UNIT ID NUMBER: M024- Pine

STANDARD VALUE	< 0.01 NTU (low)	800 NTU (high)
METER VALUE	<u>0.12</u> NTU	<u>805</u> NTU
ACCEPTABLE CRITERIA	within 0.3 NTU of standard	+/- 10% of standard

PHOTO IONIZATION DEVICE:

MODEL: thermo 580B Mini RAE 2000
 UNIT ID NUMBER: M001- MSDEL 1

CALIBRATION GAS LOT NUMBER: 010379

	<u>Background</u> Zero Air	Span Gas
BACKGROUND	0 ppmv	100 ppmv
METER VALUE	<u>< 0.1</u> ppmv	<u>102.3</u> ppmv
ACCEPTABLE CRITERIA	within 5 ppmv of 0	+/- 10% of standard

O2-LEL

MODEL: V-REA
 UNIT ID NUMBER: M012- AFS
 CALIBRATION GAS LOT NUMBER: _____

GAS USED	METHANE	OXYGEN	H2S	CO
CONCENTRATION	50%	20.90%	25 ppm	50 ppm
RESULTS				

Please TAKE THIS for your PROJECT FILE!

This helps document measurement quality and manage risks.

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT: gents uniform
 PROJECT NUMBER: 3612092134

DATE: 05-18-2010 @ 0720
 CALIBRATED BY: BAJ

MULTI-PARAMETER WATER QUALITY MONITORING SYSTEM:

MODEL: Horiba-U22 Horiba-U10 BAJ
 UNIT ID NUMBER: M015-M015-07 ~~M014-~~

	pH	Conductivity	DO	Temperature
	Units	mS/cm	mg/L *	deg. C
CONCENTRATION	4.00	4.49	10.0	14.
RESULTS	<u>3.98</u>	<u>4.54</u>	<u>12.0</u>	<u>13.6</u>
ACCEPTABLE CRITERIA	+/- 10% of standard	+/- 10% of standard	+/- 10% of standard	+/- 2.0 deg. C

NOT WITHIN CRITERIA

Auto Calibration Fluids: Auto Cal Solution
 Standard Source: Lot Number: 6033363 Expiration Date: 01/22/11

TURBIDITY METER TYPE:

MODEL: HACH2100P Lamotte 2020
 UNIT ID NUMBER: M024- Pine 12358

STANDARD VALUE	< 0.01 NTU (low)	800 NTU (high)
METER VALUE	<u>0.29</u> NTU	<u>773</u> NTU
ACCEPTABLE CRITERIA	within 0.3 NTU of standard	+/- 10% of standard

PHOTO IONIZATION DEVICE:

MODEL: thermo 580B Mini RAE 2000
 UNIT ID NUMBER: M001- NYSDOCU

CALIBRATION GAS LOT NUMBER:

BACKGROUND	<u>Burford</u> Zero Air 0 ppmv	Span Gas 100 ppmv
METER VALUE	<u>40.1</u> ppmv	<u>14.1</u> ppmv
ACCEPTABLE CRITERIA	within 5 ppmv of 0	+/- 10% of standard

O2-LEL

MODEL: V-REA
 UNIT ID NUMBER: M012- BAJ
 CALIBRATION GAS LOT NUMBER: _____

GAS USED	METHANE	OXYGEN	H2S	CO
CONCENTRATION	50%	20.90%	25 ppm	50 ppm
RESULTS				

Please TAKE THIS for your PROJECT FILE!

This helps document measurement quality and manage risks.

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT: Leats Uniform
 PROJECT NUMBER: 362092134-02.01

DATE: 5/17/2010
 CALIBRATED BY: BPN

MULTI-PARAMETER WATER QUALITY MONITORING SYSTEM:

MODEL: Horiba-U22 Horiba-U10 AS
 UNIT ID NUMBER: M015- 08 ~~M014-~~

	pH	Conductivity	DO	Temperature
	Units	mS/cm	mg/L *	deg. C
CONCENTRATION	4.00	4.49	7.9	27
RESULTS	<u>3.93</u>	<u>4.50</u>	<u>8.13</u>	<u>26.71</u>
ACCEPTABLE CRITERIA	+/- 10% of standard	+/- 10% of standard	+/- 10% of standard	+/- 2.0 deg. C

Auto Calibration Fluids: Auto Cal Solution
 Standard Source: Lot Number: 6033363 Expiration Date: 1/22/11

TURBIDITY METER TYPE:

MODEL: HACH2100P Lamotte 2020
 UNIT ID NUMBER: M024- Pin 03055

STANDARD VALUE	< 0.01 NTU (low)	800 NTU (high)
METER VALUE	<u>0.50</u> NTU	<u>798</u> NTU
ACCEPTABLE CRITERIA	within 0.3 NTU of standard	+/- 10% of standard

Not
w/in
criteria

PHOTO IONIZATION DEVICE:

MODEL: thermo 580B Mini RAE 2000
 UNIT ID NUMBER: M001- _____

CALIBRATION GAS LOT NUMBER:

	Zero Air	Span Gas
BACKGROUND	0 ppmv	100 ppmv
METER VALUE	ppmv	ppmv
ACCEPTABLE CRITERIA	within 5 ppmv of 0	+/- 10% of standard

O2-LEL

MODEL: V-REA
 UNIT ID NUMBER: M012- _____
 CALIBRATION GAS LOT NUMBER: _____

GAS USED	METHANE	OXYGEN	H2S	CO
CONCENTRATION	50%	20.90%	25 ppm	50 ppm
RESULTS				

Please TAKE THIS for your PROJECT FILE!

This helps document measurement quality and manage risks.

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT: GENT UNIFORM
PROJECT NUMBER: 3 (1) 290134-02.01

DATE: 5/18/10
CALIBRATED BY: BPK

MULTI-PARAMETER WATER QUALITY MONITORING SYSTEM:

MODEL: Horiba-U22 Horiba-U10
UNIT ID NUMBER: M015- 01 M014- ~~AS~~

	pH	Conductivity	DO	Temperature
	Units	mS/cm	mg/L *	deg. C
CONCENTRATION	4.00	4.49	9.6	16.
RESULTS	<u>5.13</u>	4.50	10.08	15.62
ACCEPTABLE CRITERIA	+/- 10% of standard	+/- 10% of standard	+/- 10% of standard	+/- 2.0 deg. C

Auto Calibration Fluids: Auto Cal. Solution
Standard Source: Lot Number: 603363 Expiration Date: 1/20/11

TURBIDITY METER TYPE:

MODEL: HACH2100P Lamotte 2020
UNIT ID NUMBER: M024- PJNE 03055

STANDARD VALUE	<u>< 0.01 NTU (low)</u>	800 NTU (high)
METER VALUE	<u>0.33</u> NTU	803 NTU
ACCEPTABLE CRITERIA	within 0.3 NTU of standard	+/- 10% of standard

PHOTO IONIZATION DEVICE:

MODEL: thermo 580B Mini RAE 2000
UNIT ID NUMBER: M001-
CALIBRATION GAS LOT NUMBER:

	<u>Zero Air</u>	<u>Span Gas</u>
BACKGROUND	0 ppmv	100 ppmv
METER VALUE	ppmv	ppmv
ACCEPTABLE CRITERIA	within 5 ppmv of 0	+/- 10% of standard

O2-LEL

MODEL: V-REA
UNIT ID NUMBER: M012-
CALIBRATION GAS LOT NUMBER:

GAS USED	<u>METHANE</u>	<u>OXYGEN</u>	<u>H2S</u>	<u>CO</u>
CONCENTRATION	50%	20.90%	25 ppm	50 ppm
RESULTS				

Not
w/in
CALIBRATION

Not
w/in
CALIBRATION

LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134/04.01
 SAMPLE ID: 130056mw00201404X SAMPLE TIME: 1700

LOCATION ID: MW-22 DATE: 1/31/11
 START TIME: 1600 END TIME: 1715
 SITE NAME/NUMBER: 13056 PAGE: 1 OF 1

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER _____
 TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

WELL INTEGRITY
 YES NO N/A
 CAP
 CASING
 LOCKED
 COLLAR

INITIAL DTW (BMP): 10.16 FT FINAL DTW (BMP): 10.07 FT PROT. CASING STICKUP (AGS): 0 FT TOCTOR DIFFERENCE: 0.22 FT
 WELL DEPTH (BMP): 16.1 FT SCREEN LENGTH: VNK FT PID AMBIENT AIR: _____ PPM REFILL TIMER SETTING: _____ SEC
 WATER COLUMN: 5.94 FT DRAWDOWN VOLUME: _____ GAL PID WELL MOUTH: _____ PPM DISCHARGE TIMER SETTING: _____ SEC
 CALCULATED GAL/VOL: .24 GAL TOTAL VOL. PURGED: 1.6 GAL DRAWDOWN/TOTAL PURGED: 0.1 PSI
(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1608</u>										<u>BEGIN PURGING</u>
<u>1615</u>	<u>10.09</u>	<u>150</u>	<u>9.6</u>	<u>.306</u>	<u>6.6</u>	<u>7.0</u>	<u>0.4</u>	<u>217</u>	<u>VNK</u>	
<u>1620</u>	<u>10.07</u>	<u>↓</u>	<u>10.5</u>	<u>.319</u>	<u>6.6</u>	<u>6.4</u>	<u>0.3</u>	<u>216</u>		<u>1500</u>
<u>1625</u>	<u>10.07</u>	<u>130</u>	<u>10.5</u>	<u>.327</u>	<u>6.6</u>	<u>5.7</u>	<u>0.2</u>	<u>216</u>		
<u>1630</u>	<u>10.07</u>	<u>↓</u>	<u>10.4</u>	<u>.346</u>	<u>6.6</u>	<u>5.4</u>	<u>0.2</u>	<u>216</u>		
<u>1635</u>	<u>10.07</u>	<u>↓</u>	<u>10.3</u>	<u>.347</u>	<u>6.6</u>	<u>5.1</u>	<u>0.2</u>	<u>216</u>		<u>1950</u>
<u>1640</u>	<u>10.06</u>	<u>150</u>	<u>10.4</u>	<u>.346</u>	<u>6.6</u>	<u>5.0</u>	<u>0.2</u>	<u>215</u>		
<u>1645</u>	<u>10.06</u>	<u>↓</u>	<u>10.5</u>	<u>.346</u>	<u>6.6</u>	<u>5.0</u>	<u>0.2</u>	<u>214</u>		
<u>1650</u>	<u>10.07</u>	<u>↓</u>	<u>10.7</u>	<u>.343</u>	<u>6.6</u>	<u>4.9</u>	<u>0.3</u>	<u>212</u>		<u>2050</u>

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures(SF))
 TEMP.: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.55 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

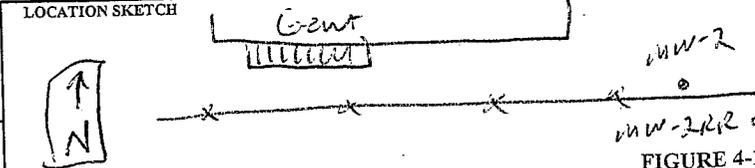
10.7 .343 6.6 4.9 0.3 210

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: <input checked="" type="checkbox"/> PERISTALTIC <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> BLADDER WATTERA _____ OTHER _____ OTHER _____	DECON FLUIDS USED: <input type="checkbox"/> LIQUINOX <input type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input checked="" type="checkbox"/> OTHER <u>none</u>	TUBING/PUMP/BLADDER MATERIALS: <input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input type="checkbox"/> HDPE TUBING <input checked="" type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____	EQUIPMENT USED: <input checked="" type="checkbox"/> WL METER <u>Schmid 10i</u> <input type="checkbox"/> PID _____ <input checked="" type="checkbox"/> WQ METER <u>NST</u> <input checked="" type="checkbox"/> TURB. METER <u>Heid 2100</u> <input checked="" type="checkbox"/> PUMP <u>Geopump</u> <input type="checkbox"/> OTHER _____ <input type="checkbox"/> FILTERS NO. <u>22</u> TYPE _____
---	--	---	--

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOC	<u>8260B</u>	<u>N</u>	<u>HC1</u>	<u>2x16</u>	<u>4</u>	<u>N</u>	<u>—</u>
<input checked="" type="checkbox"/> SVOC	<u>8270C</u>	<u>N</u>	<u>4°C</u>	<u>2x16</u>	<u>4</u>	<u>N</u>	<u>—</u>
<input type="checkbox"/> PAH							

PURGE OBSERVATIONS
 PURGE WATER CONTAINERIZED: YES NO
 NO-PURGE METHOD UTILIZED: YES NO
 NUMBER OF GALLONS GENERATED: ≈ 1.6
 If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.



NOTES
 Sampler Signature: Jerry Rawcliffe
 Checked By: RCM 2/17/11
 Print Name: Jerry Rawcliffe
 Date: 1/31/11

LOW FLOW GROUNDWATER SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134/04.01
 SAMPLE ID: 130056 MW003 01504xx SAMPLE TIME: 1445

LOCATION ID: MW-3 DATE: 1/31/11
 START TIME: 1300 END TIME: 1450
 SITE NAME/NUMBER: 130056 PAGE: 1 OF 1

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER _____
 TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

WELL INTEGRITY
 YES NO N/A
 CAP
 CASING
 LOCKED
 COLLAR

INITIAL DTW (BMP): 10.06 FT FINAL DTW (BMP): 10.07 FT PROT. CASING STICKUP (AGS): 0 FT TOC/TOR DIFFERENCE: N/A FT
 WELL DEPTH (BMP): 19.5 FT SCREEN LENGTH: 15' FT PID AMBIENT AIR: — PPM REFILL TIMER SETTING: N/A SEC
 WATER COLUMN: 9.44 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): 0.004 GAL PID WELL MOUTH: — PPM DISCHARGE TIMER SETTING: N/A SEC
 CALCULATED GAL/VOL (column X well diameter squared X 0.041): .39 GAL TOTAL VOL. PURGED: 3.1 GAL DRAWDOWN/TOTAL PURGED: 0.0001 PSI

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1340										BEGIN PURGING
1345	10.05	200	13.7	0.246	6.5	2.0	1.1	204		
1350	10.05	↓	14.3	0.281	6.5	1.8	0.3	216		2000
1355	10.05	240	14.6	0.260	6.5	2.0	0.4	207		
1400	10.05	↓	14.8	0.246	6.6	2.0	0.3	202		
1405	10.05	↓	15.2	0.236	6.6	1.9	0.2	198		
1410	10.04	↓	15.1	0.235	6.6	1.9	0.3	195		
1415	10.11	240	15.0	0.228	6.6	1.8	0.4	190		
1420	10.10	↓	14.4	0.285	6.6	1.9	0.3	183		
1425	10.08	↓	14.5	0.244	6.6	1.8	0.3	179		9400
1430	10.07	230	14.8	0.280	6.6	1.8	0.1	178		1130

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures(SF))
14.8 0.280 6.6 1.8 0.1 180

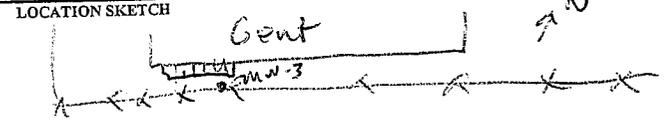
TEMP: nearest degree (ex. 10.1 = 10)
 COND: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.53 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP <input checked="" type="checkbox"/> PERISTALTIC <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> BLADDER <input type="checkbox"/> WATERA <input type="checkbox"/> OTHER <input type="checkbox"/> OTHER	DECON FLUIDS USED <input type="checkbox"/> LIQUINOX <input type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input checked="" type="checkbox"/> OTHER <u>none</u>	TUBING/PUMP/BLADDER MATERIALS <input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input checked="" type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER <input type="checkbox"/> OTHER	EQUIPMENT USED <input checked="" type="checkbox"/> WL METER <u>Solinst 107</u> <input type="checkbox"/> PID <input checked="" type="checkbox"/> WQ METER <u>YST</u> <input checked="" type="checkbox"/> TURB. METER <u>HACH 7102P</u> <input checked="" type="checkbox"/> PUMP <u>Peristaltic</u> <input type="checkbox"/> OTHER FILTERS NO. <u>2</u> TYPE _____
--	---	--	---

ANALYTICAL PARAMETERS	PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/>	VOC	8260B	N	HCl	2x40ml	Yes	N	
<input checked="" type="checkbox"/>	SVOC	8270C	N	4°C	2x1L AB	Yes	N	

PURGE OBSERVATIONS
 PURGE WATER CONTAINERIZED: YES NO
 NO-PURGE METHOD UTILIZED: YES NO
 NUMBER OF GALLONS GENERATED: ~3
 If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.



NOTES
 Sampler Signature: [Signature] Print Name: Terry Rawliff
 Checked By: [Signature] Date: 1/31/11

LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME Gent Uniform		LOCATION ID MW-3A	DATE 1/31/10
PROJECT NUMBER 3612092134/04.01		START TIME 1310	END TIME 1355 2/2/11
SAMPLE ID 130056 MW03A08404XX	SAMPLE TIME 1555 2/2/11	SITE NAME/NUMBER 6013 Uniform	PAGE 1 OF 1

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER _____

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

INITIAL DTW (BMP) 10.27 FT FINAL DTW (BMP) 34.15 FT PROT. CASING STICKUP (AGS) _____ FT

WELL DEPTH (BMP) 86.7 FT SCREEN LENGTH unknown FT PID AMBIENT AIR _____ PPM

WATER COLUMN 76.43 FT DRAWDOWN VOLUME _____ GAL PID WELL MOUTH _____ PPM

CALCULATED GAL/VOL 3.13 GAL TOTAL VOL. PURGED 7 GAL DRAWDOWN/TOTAL PURGED _____

(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

WELL INTEGRITY

YES	NO	N/A
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

TOC/TOR DIFFERENCE 0.1 FT

REFILL TIMER SETTING _____ SEC

DISCHARGE TIMER SETTING _____ SEC

PRESSURE TO PUMP _____ PSI

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% < 10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1315										BEGIN PURGING
1340										Completed Purging
1349	52.48		9.56	0.058	8.83	1.93	>1000	-121.8	75'	
1625										Began Purging
1635		500	11.11	0.084	7.60	0.69	-	-268.3		
1646	82.40									Finished purging; removed - 4 gallons -
										BAR
2/2/11 1543	11.11		7.2							
1605	34.15		12.1	0.096	7.1	1.5	440	-136		
			12	0.096	7.1	1.5	440	-140		

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures [SF])

12 0.096 7.1 1.5 440

TEMP.: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.55 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED	
<input checked="" type="checkbox"/> PERISTALTIC	<input type="checkbox"/> SUBMERSIBLE	<input type="checkbox"/> LIQUINOX	<input type="checkbox"/> DEIONIZED WATER	<input checked="" type="checkbox"/> SILICON TUBING	<input type="checkbox"/> S. STEEL PUMP MATERIAL	<input checked="" type="checkbox"/> WL METER	<u>solinst</u>
<input type="checkbox"/> BLADDER	<input type="checkbox"/> POTABLE WATER	<input type="checkbox"/> NITRIC ACID	<input type="checkbox"/> HEXANE	<input checked="" type="checkbox"/> TEFLON TUBING	<input type="checkbox"/> PVC PUMP MATERIAL	<input checked="" type="checkbox"/> PID	
<input checked="" type="checkbox"/> WATTERA	<input checked="" type="checkbox"/> METHANOL	<input type="checkbox"/> OTHER _____	<input checked="" type="checkbox"/> OTHER <u>water</u>	<input type="checkbox"/> HDPE TUBING	<input type="checkbox"/> GEOPROBE SCREEN	<input checked="" type="checkbox"/> WQ METER	<u>YSI 556</u>
<input type="checkbox"/> OTHER				<input type="checkbox"/> LDPE TUBING	<input type="checkbox"/> TEFLON BLADDER	<input checked="" type="checkbox"/> TURB. METER	<u>Hydro 2100</u>
<input type="checkbox"/> OTHER				<input type="checkbox"/> OTHER _____	<input checked="" type="checkbox"/> OTHER <u>none</u>	<input checked="" type="checkbox"/> PUMP	<u>Corning (Pico)</u>
				<input type="checkbox"/> OTHER _____	<input type="checkbox"/> OTHER _____	<input type="checkbox"/> OTHER	
						<input type="checkbox"/> FILTERS	NO. _____ TYPE _____

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> SVOC	8870C	N	4°C	2x1200	4	N	
<input checked="" type="checkbox"/> VOC	8260B	N	HCl	2x400ml	4	N	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO

NO-PURGE METHOD UTILIZED YES NO

NUMBER OF GALLONS GENERATED ~2.3 gal

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

LOCATION SKETCH

SEE updated Figure 4-1

NOTES

Sampler Signature: [Signature] Print Name: Ryan Mankowski

Checked By: Brandon Shaw Date: 02-28-2011

LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME Gent Uniform		LOCATION ID MW-3B	DATE 1/31/11
PROJECT NUMBER 3612092134/04.01		START TIME 1358	END TIME 1430 1610
SAMPLE ID 130356 MW330-02-04X	SAMPLE TIME 1555 2/2/11	SITE NAME/NUMBER Gents Uniform	PAGE 1 OF 1

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER _____

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

WELL INTEGRITY

YES	NO	N/A
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

INITIAL DTW (BMP) 10.31 FT	FINAL DTW (BMP) 60.35 FT	PROT. CASING STICKUP (AGS) / FT	TOC/TOR DIFFERENCE 0.2 FT
WELL DEPTH (BMP) 64.35 FT	SCREEN LENGTH unknown FT	PID AMBIENT AIR / PPM	REFILL TIMER SETTING / SEC
WATER COLUMN 54.04 FT	DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041) / GAL	PID WELL MOUTH / PPM	DISCHARGE TIMER SETTING / SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041) 2.22 GAL	TOTAL VOL. PURGED ~5 GAL	DRAWDOWN/ TOTAL PURGED / PSI	

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1400	BEGIN PURGING									
1422	Completed Purging									
1426	60.35	/	10.27	0.060	9.15	2.23	92.0	-1428	~62'	
1614	10.23	-	12.5	0.097	8.4	2.1	15	-201		
	23.16 at end of sampling activities									

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures(SF))

12.5	0.097	8.4	2.1	15	-200
------	-------	-----	-----	----	------

TEMP.: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.53 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION		DECON FLUIDS USED		TUBING/PUMP/BLADDER MATERIALS		EQUIPMENT USED			
TYPE OF PUMP <input checked="" type="checkbox"/> PERISTALTIC <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> BLADDER <input checked="" type="checkbox"/> WATERA <input type="checkbox"/> OTHER <input type="checkbox"/> OTHER		13 <input type="checkbox"/> LIQUINOX <input type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input checked="" type="checkbox"/> METHANOL <input type="checkbox"/> OTHER		12m <input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input checked="" type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER <input type="checkbox"/> OTHER		12m <input checked="" type="checkbox"/> S. STEEL PUMP MATERIAL <input type="checkbox"/> PVC PUMP MATERIAL <input type="checkbox"/> GEOPROBE SCREEN <input type="checkbox"/> TEFLON BLADDER <input checked="" type="checkbox"/> OTHER none <input type="checkbox"/> OTHER <input type="checkbox"/> OTHER		<input checked="" type="checkbox"/> WL METER Solinst 101 <input checked="" type="checkbox"/> PID <input checked="" type="checkbox"/> WQ METER VSE 536M5 <input checked="" type="checkbox"/> TURB. METER HACH 2100P <input type="checkbox"/> PUMP <input type="checkbox"/> OTHER <input type="checkbox"/> FILTERS NO. TYPE	

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
✓ SVOC	82706	N		2X1L	Y	N	
✓ VOC	82003	N	HCl	2x40ml	Y	N	
✓ Metals	62106/17470	N	HNO3	1x500ml	Y	N	
BT							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO

NO-PURGE METHOD UTILIZED YES NO

NUMBER OF GALLONS GENERATED $\approx 2.6 \text{ gal}$

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

NOTES
 Jerry Paul / J. Rawcliffe
 Branden Shaw
 Print Name: Ryan Markowski
 Date: 02-28-2011

LOCATION SKETCH

See updated Figure 12m

1/31/2011

LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134/04.01
 SAMPLE ID: 130256 MWJ3C04504AA
 SAMPLE TIME: 1655

LOCATION ID: MW-3C
 DATE: 1/31/11
 START TIME: 1440
 END TIME: 2111 1705
 SITE NAME/NUMBER: Counts Uniform
 PAGE: 1 OF 1

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER _____
 TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

WELL INTEGRITY
 YES NO N/A
 CAP:
 CASING:
 LOCKED:
 COLLAR:

INITIAL DTW (BMP): 10.20 FT
 FINAL DTW (BMP): 46.45 FT
 WELL DEPTH (BMP): 50.49 FT
 SCREEN LENGTH: UNKNOWN FT
 WATER COLUMN: 40.29 FT
 CALCULATED GAL/VOL: 1.65 GAL
 PROTECTIVE CASING PICKUP (AGS): _____ FT
 PID AMBIENT AIR: _____ PPM
 PID WELL MOUTH: _____ PPM
 DRAWDOWN VOLUME: _____ GAL
 TOTAL VOL. PURGED: 23.5 GAL
 (initial DTW - final DTW X well diam. squared X 0.041)
 (mL per minute X total minutes X 0.00026 gal/mL)

TOC/TOR DIFFERENCE: 0.25 FT
 REFILL TIMER SETTING: _____ SEC
 DISCHARGE TIMER SETTING: _____ SEC
 PRESSURE TO PUMP: _____ PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)										
TIME	DTW (FT)	PURGE RATE	TEMP. (°C)	SP. CONDUCTANCE	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
3-5 Minutes	0.0-0.33 ft Drawdown	(mL/min)	(+/- 3 degrees)	(mS/cm) (+/- 3%)	(+/- 0.1 units)	(+/- 10%)	(+/- 10% < 10 ntu)	(+/- 10 mv)		
1444										BEGIN PURGING
1457	Completed									Purging MW-3C
1500	46.45		10.99	0.310	9.03	1.71	89.5	-134.0	149'	
1441	10.21		10.9	0.475	7.3	1.4	56	-188		
1645	25.90									Final depth entered at end of sampling activities

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures(SF))
 DTW: 46.45
 SP. CONDUCTANCE: 0.475
 pH: 7.3
 DISS. O₂: 1.4
 TURBIDITY: 56
 REDOX: -190

TEMP.: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.53 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: <input checked="" type="checkbox"/> PERISTALTIC <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> BLADDER <input checked="" type="checkbox"/> WATERA <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____	DECON FLUIDS USED: <input type="checkbox"/> LIQUINOX <input type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input checked="" type="checkbox"/> METHANOL <input type="checkbox"/> OTHER _____	TUBING/PUMP/BLADDER MATERIALS: <input type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input checked="" type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER _____ <input type="checkbox"/> OTHER _____	EQUIPMENT USED: <input checked="" type="checkbox"/> WL METER: <u>Zohner</u> <input checked="" type="checkbox"/> PID <input checked="" type="checkbox"/> WQ METER: <u>YSI 556</u> <input checked="" type="checkbox"/> TURB. METER: <u>Hach 2100P</u> <input checked="" type="checkbox"/> PUMP: <u>Geopump (Pine)</u> <input type="checkbox"/> OTHER _____ FILTERS NO. _____ TYPE _____
--	--	--	--

ANALYTICAL PARAMETERS	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> SVOL	5270C		HCN	16(2)	<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/> VOL	8260B		HCN	40ml(2)	<input checked="" type="checkbox"/>		

PURGE OBSERVATIONS
 PURGE WATER CONTAINERIZED: YES NO
 NO-PURGE METHOD UTILIZED: YES NO
 NUMBER OF GALLONS GENERATED: 22.1 gal
 If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

LOCATION SKETCH
 See updated figure
 RLM

Sampler Signature: Brandon Shaw
 Checked By: Brandon Shaw
 Print Name: Ryan Markowski
 Date: 02-28-2011

LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134/04.01
 SAMPLE ID: 1300-30 MW3D 06704XX
 SAMPLE TIME: 1705

LOCATION ID: MW-31
 DATE: 1/31/11
 START TIME: 1510
 END TIME: 2/24 1540 1730
 SITE NAME/NUMBER: Gents Uniform
 PAGE: 1 OF 1

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER _____
 TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

WELL INTEGRITY
 YES NO N/A
 CAP:
 CASING:
 LOCKED:
 COLLAR:

INITIAL DTW (BMP): 10.23 FT
 FINAL DTW (BMP): 11.61 FT
 WELL DEPTH (BMP): 71.61 FT
 SCREEN LENGTH: unknown FT
 WATER COLUMN: 61.38 FT
 DRAWDOWN VOLUME: _____ GAL
 CALCULATED GAL/VOL: 2.52 GAL
 PROT. CASING STICKUP (AGS): _____ FT
 PID AMBIENT AIR: _____ PPM
 PID WELL MOUTH: _____ PPM
 DRAWDOWN/TOTAL PURGED: _____ PSI
 TOC/TOR DIFFERENCE: 0.15 FT
 REFILL TIMER SETTING: _____ SEC
 DISCHARGE TIMER SETTING: _____ SEC
 PRESSURE TO PUMP: _____ PSI

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1519										BEGIN PURGING
1535										Completed Purging MW-31
1538	66.72		11.38	0.064	9.92	1.79	822	-1840		770°
2/7/11	36.64									
1915	57.52		11.5	0.078	8.8	0.8	190	-122		Final water level

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures(SF))
 DTW: 11.5
 SP. CONDUCTANCE: 0.078
 pH: 8.8
 DISS. O₂: 0.8
 TURBIDITY: 190
 REDOX: -120

EQUIPMENT DOCUMENTATION
 TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER
 DECON FLUIDS USED: LIQUINOX, DEIONIZED WATER, POTABLE WATER, NITRIC ACID, HEXANE, METHANOL, OTHER: none
 TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING, TEFLON TUBING, TEFLON LINED TUBING, HDPE TUBING, LDPE TUBING, OTHER: none
 EQUIPMENT USED: WL METER: Solinst, PID, WQ METER: YSI 556, TURB. METER: Hach 2100, PUMP: Geoprobe, OTHER: none, FILTERS: NO

ANALYTICAL PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
VOL	82603	N	HCL	2x43ml	4	N	
SVOC	82701	N	4°C	2x16L	4	N	

PURGE OBSERVATIONS
 PURGE WATER CONTAINERIZED: YES NO
 NO-PURGE METHOD UTILIZED: YES NO
 NUMBER OF GALLONS GENERATED: 3.0 gal
 If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

LOCATION SKETCH
 See updated figure Rem

NOTES
 Sampler Signature: Branden Shaw
 Checked By: Branden Shaw
 Print Name: Ryan Markowski
 Date: 02-28-2011

LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134/04.01
 SAMPLE ID: 130056 MW-04 DIS-01X
 SAMPLE TIME: 1420

LOCATION ID: MW-4 DATE: 2/1/11
 START TIME: 1305 END TIME: 1430
 SITE NAME/NUMBER: 130056 PAGE: 1 OF 1

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER _____
 TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

WELL INTEGRITY
 YES NO N/A
 CAP
 CASING
 LOCKED
 COLLAR

INITIAL DTW (BMP): 10.90 FT FINAL DTW (BMP): 10.91 FT PROT. CASING STICKUP (AGS): 0 FT TOCTOR DIFFERENCE: _____ FT
 WELL DEPTH (BMP): 19.85 FT SCREEN LENGTH: 15' FT PID AMBIENT AIR: _____ PPM REFILL TIMER SETTING: _____ SEC
 WATER COLUMN: 8.95 FT DRAWDOWN VOLUME: .004 GAL PID WELL MOUTH: _____ PPM DISCHARGE TIMER SETTING: _____ SEC
 CALCULATED GAL/VOL: 8.95 GAL TOTAL VOL. PURGED: 2.1 GAL DRAWDOWN/ TOTAL PURGED: .0019' PRESSURE TO PUMP: _____ PSI
(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1316										BEGIN PURGING
1320	10.91	140	11.7	.503	6.5	3.0	1.8	229		UNK
1325	10.91	140	11.9	.460	6.5	1.0	0.8	223		
1330	10.90		12.0	.418	6.5	0.9	0.7	228		
1335	10.91	↓	12.1	.402	6.5	0.9	0.5	228		
1341	10.91	140	12.1	.394	6.5	0.7	0.7	238		
1345	10.91	↓	12.1	.392	6.5	0.6	0.2	241		
1350	10.91	↓	11.9	.348	6.5	0.9	0.2	241		4760
1355	10.91	150	11.9	.334	6.5	1.0	0.2	244		
1400	10.91	↓	12.1	.338	6.5	0.9	0.1	248		
1405	10.91	↓	12.1	.344	6.5	0.8	0.2	251		
1410	10.91	150	12.1	.348	6.5	0.8	0.1	252		200

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures(SF))

TEMP: nearest degree (ex. 11 = 10)
 COND: 3 SF max (ex. 3330=3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.53=5.5)
 DO: nearest tenth (ex. 3.51=3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191=190)

12.1
 .348 6.5 0.8 0.1 250

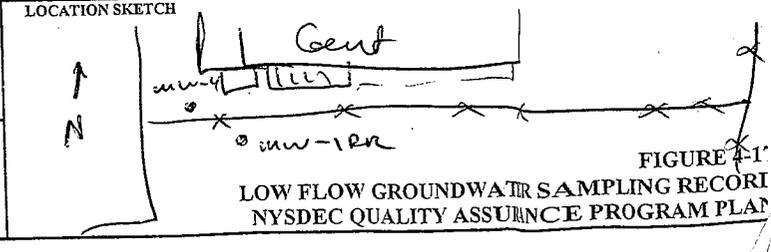
EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER WATERA OTHER _____
 DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER none
 TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____
 S. STEEL PUMP MATERIAL PVC PUMP MATERIAL GEOPROBE SCREEN TEFLON BLADDER OTHER none
 EQUIPMENT USED: WL METER Sprint 101 PID P26 Real WQ METER YST 556 MP3 TURB. METER 13002010 PUMP Geoprobe OTHER QB FILTERS 10 TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VDC	8260B	N	HCl	2x10mL	Y	N	-
<input checked="" type="checkbox"/> SVDC	8270C	N	40C	2x16AG	Y	N	-
BA							

PURGE OBSERVATIONS
 PURGE WATER CONTAINERIZED: YES NO
 NO-PURGE METHOD UTILIZED: YES NO
 NUMBER OF GALLONS GENERATED: 22
 If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.
 NOTES: Handique 2-3 pps
 Sampler Signature: Jerry Rawick
 Checked By: ncr
 Print Name: Jerry Rawick/PL
 Date: 2/1/11



LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134/04.01
 SAMPLE ID: 130056 MW006 0804 xx
 SAMPLE TIME: 1450

LOCATION ID: MW-6
 DATE: 01-31-2011
 START TIME: 1350
 END TIME: 1525
 SITE NAME/NUMBER: 130056
 PAGE: 1 OF 1

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER
 TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER

WELL INTEGRITY
 YES NO N/A
 CAP
 CASING
 LOCKED
 COLLAR

INITIAL DTW (BMP): 9.53 FT
 FINAL DTW (BMP): 9.52 FT
 PROT. CASING STICKUP (AGS): 0.0 FT
 TOC/TOR DIFFERENCE: — FT
 WELL DEPTH (BMP): 22-25 FT
 SCREEN LENGTH: ~10 FT
 PID AMBIENT AIR: — PPM
 REFILL TIMER SETTING: — SEC
 WATER COLUMN: 12.7 FT
 DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): 2.1 GAL
 PID WELL MOUTH: — PPM
 DISCHARGE TIMER SETTING: — SEC
 CALCULATED GAL/VOL (column X well diameter squared X 0.041): ~2.0 GAL
 TOTAL VOL. PURGED: 4.1 GAL
 DRAWDOWN/TOTAL PURGED: 2.1
 PRESSURE TO PUMP: — PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)										PUMP INTAKE DEPTH (ft)	COMMENTS
TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)			
3-5 Minutes	0.0-0.33 ft Drawdown		(+/- 3 degrees)	(+/- 3%)	(+/- 0.1 units)	(+/- 10%)	(+/- 10% < 10 ntu)	(+/- 10 mv)			
1402	BEGIN PURGING										
1407	9.53	325	11.31	0.444	6.61	2.47	55.1	77.8	~18'		
1412	9.52	325	12.21	0.445	6.39	0.68	46.1	83.5			
1417	9.53	350	12.36	0.452	6.38	0.37	32.9	85.6			
1422	9.52	350	12.43	0.458	6.37	0.25	22.1	91.3			
1427	9.53	350	12.44	0.462	6.37	0.21	13.0	93.1			
1432	9.52	350	12.46	0.468	6.36	0.19	11.5	96.8			
1437	9.53	350	12.39	0.472	6.35	0.17	9.30	85.1			
1442	9.52	350	12.37	0.476	6.35	0.17	5.67	83.7			
1447	9.53	350	12.43	0.478	6.35	0.14	4.10	81.9			
1450	Collected for sample @ MW-6										
1511	pump off.										

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures(SF))

12 0.478 6.4 0.1 4.1 32

TEMP: nearest degree (ex. 10.1 = 10)
 COND: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.53 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER WATERA OTHER

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER none

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER none

S. STEEL PUMP MATERIAL PVC PUMP MATERIAL GEOPROBE SCREEN TEFLON BLADDER OTHER none

EQUIPMENT USED: WL METER PID WQ METER YSI 51565 TURB. METER pipe PUMP glo pump OTHER FILTERS NO. TYPE

ANALYTICAL PARAMETERS	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOU _s	82-60 B	N	HCl	2X 40ml	✓	✓	See Above
<input checked="" type="checkbox"/> SVOU _s	82-70 C	N	AL	2X 12	✓	✓	
/ PAS							

PURGE OBSERVATIONS
 PURGE WATER CONTAINERIZED: YES NO
 NO-PURGE METHOD UTILIZED: YES NO
 NOTES:
 Sampler Signature:
 Checked By: Rem
 Print Name: Brandon Shaw
 Date: 2/7/11
 NUMBER OF GALLONS GENERATED: 4.1
 If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

LOCATION SKETCH
 collected ms/ms D sample here

LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134/04.01
 SAMPLE ID: 130056 MW 007017 64 X 1705 SAMPLE TIME: 1705

LOCATION ID: MW-7 DATE: 01-31-2011
 START TIME: 1550 END TIME: 1730
 SITE NAME/NUMBER: 130056 PAGE: 1 OF 2

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER _____
 TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

WELL INTEGRITY

YES NO N/A
 CAP
 CASING
 LOCKED
 COLLAR

INITIAL DTW (BMP): 9.19 FT FINAL DTW (BMP): 9.20 FT PROT. CASING STICKUP (AGS): 0.0 FT TOC/TOR DIFFERENCE: 0.15 FT
 WELL DEPTH (BMP): 20.1 FT SCREEN LENGTH: 21.0 FT PID AMBIENT AIR: - PPM REFILL TIMER SETTING: - SEC
 WATER COLUMN: 10.9 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): 20.1 GAL PID WELL MOUTH: - PPM DISCHARGE TIMER SETTING: - SEC
 CALCULATED GAL/VOL (column X well diameter squared X 0.041): -1.7 GAL TOTAL VOL. PURGED: -5.9 GAL DRAWDOWN/TOTAL PURGED: 20.1 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% < 10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1554</u>										BEGIN PURGING
<u>1601</u>	<u>9.20</u>	<u>325</u>	<u>12.03</u>	<u>0.1439</u>	<u>6.27</u>	<u>1.17</u>	<u>3.11</u>	<u>120.7</u>	<u>-17'</u>	
<u>1606</u>	<u>9.20</u>	<u>325</u>	<u>11.75</u>	<u>0.442</u>	<u>6.34</u>	<u>0.36</u>	<u>2.34</u>	<u>145.2</u>		
<u>1611</u>	<u>9.20</u>	<u>325</u>	<u>11.89</u>	<u>0.441</u>	<u>6.32</u>	<u>0.27</u>	<u>1.22</u>	<u>140.5</u>		
<u>1616</u>	<u>9.20</u>	<u>325</u>	<u>11.94</u>	<u>0.441</u>	<u>6.33</u>	<u>0.22</u>	<u>2.40</u>	<u>118.6</u>		
<u>1621</u>	<u>9.20</u>	<u>325</u>	<u>12.11</u>	<u>0.440</u>	<u>6.32</u>	<u>0.18</u>	<u>2.47</u>	<u>97.4</u>		
<u>1626</u>	<u>9.20</u>	<u>325</u>	<u>12.03</u>	<u>0.440</u>	<u>6.32</u>	<u>0.15</u>	<u>2.20</u>	<u>88.1</u>		
<u>1631</u>	<u>9.20</u>	<u>325</u>	<u>12.02</u>	<u>0.438</u>	<u>6.32</u>	<u>0.15</u>	<u>1.87</u>	<u>73.7</u>		
<u>1636</u>	<u>9.20</u>	<u>325</u>	<u>12.05</u>	<u>0.437</u>	<u>6.32</u>	<u>0.14</u>	<u>2.26</u>	<u>62.8</u>		
<u>1641</u>	<u>9.20</u>	<u>325</u>	<u>12.01</u>	<u>0.436</u>	<u>6.31</u>	<u>0.15</u>	<u>2.34</u>	<u>53.1</u>		
<u>1646</u>	<u>9.20</u>	<u>325</u>	<u>11.97</u>	<u>0.434</u>	<u>6.31</u>	<u>0.15</u>	<u>1.80</u>	<u>46.5</u>		
<u>1651</u>	<u>9.20</u>	<u>325</u>	<u>12.04</u>	<u>0.433</u>	<u>6.31</u>	<u>0.14</u>	<u>1.77</u>	<u>43.5</u>		

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures(SF))

12 0.433 6.3 0.1 1.8 414

TEMP: nearest degree (ex. 10.1 = 10)
 COND: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.53 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER WATERA OTHER _____
 DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____
 TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____
 S. STEEL PUMP MATERIAL PVC PUMP MATERIAL GEOPROBE SCREEN TEFLON BLADDER OTHER: none
 EQUIPMENT USED: WL METER PID WQ METER TURB. METER PUMP OTHER _____
 FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<u>Vol</u>	<u>8260</u>	<u>N</u>	<u>HCl</u>	<u>2X 40mL</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>see above</u>
<u>SPDU</u>	<u>8270</u>	<u>N</u>	<u>4°C</u>	<u>2X 1L</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NO-PURGE METHOD UTILIZED: YES NO
 NUMBER OF GALLONS GENERATED: ~5.9
 If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

LOCATION SKETCH

collected w/ used here

NOTES

Sampler Signature: _____
 Checked By: Rim
 Print Name: Brandon Shaw
 Date: 2/2/11

LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134/04.01
 SAMPLE ID: 130056 MW 007.01704XX SAMPLE TIME: 1705

LOCATION ID: MW-7 DATE: 01-31-2011
 START TIME: 1550 END TIME: 1730
 SITE NAME/NUMBER: 130056 PAGE: 2 OF 2

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER _____
 TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

WELL INTEGRITY

YES NO N/A
 CAP
 CASING
 LOCKED
 COLLAR

INITIAL DTW (BMP): 9.19 FT FINAL DTW (BMP): 9.20 FT PROT. CASING STICKUP (AGS): 0.0 FT TOC/TOR DIFFERENCE: 0.15 FT
 WELL DEPTH (BMP): 20.1 FT SCREEN LENGTH: ~10 FT PID AMBIENT AIR: - PPM REFILL TIMER SETTING: - SEC
 WATER COLUMN: 10.9 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): 20.1 GAL PID WELL MOUTH: - PPM DISCHARGE TIMER SETTING: - SEC
 CALCULATED GAL/VOL (column X well diameter squared X 0.041): ~1.7 GAL TOTAL VOL. PURGED: ~5.9 GAL DRAWDOWN/TOTAL PURGED: 20.1 PSI
(mL per minute X total minutes X 0.00026 gal/mL)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1554										BEGIN PURGING
1656	9.20	325	12.12	0.432	6.29	0.12	1.32	47.0	~17'	
1701	9.20	325	12.10	0.432	6.31	0.11	1.50	44.3	↓	
1705	collected for sample @ mw-7 pump off									

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures(SF))

12 0.432 6.3 0.1 1.5 44

TEMP: nearest degree (ex. 10.1 = 10)
 COND: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.53 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER WATERA OTHER _____
 DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER none
 TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____
 S. STEEL PUMP MATERIAL PVC PUMP MATERIAL GEOPROBE SCREEN TEFLON BLADDER OTHER none
 EQUIPMENT USED: WL METER PID WQ METER TURB. METER yes pipe PUMP OTHER _____
 FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOC	8260	N	HCL	2 x 40ml	✓	✓	See Above
<input checked="" type="checkbox"/> SVOC	8270	N	AC	2 x 1L	✓	✓	
<i>NA</i>							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NO-PURGE METHOD UTILIZED: YES NO
 NUMBER OF GALLONS GENERATED: ~5.9
 If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

NOTES

Sampler Signature: Brandon Shaw
 Checked By: RCM
 Print Name: _____
 Date: 2/7/11

LOCATION SKETCH

collected wq / msd here.

LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134/04.01
 SAMPLE ID: 1300S6MW08501604XX
 SAMPLE TIME: 0908

LOCATION ID: MW-85
 DATE: 2/1/11
 START TIME: 0755
 END TIME: 0915
 SITE NAME/NUMBER: Gents Uniform
 PAGE: 1 OF 1

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER _____
 TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

WELL INTEGRITY
 YES NO N/A
 CAP _____
 CASING _____
 LOCKED _____
 COLLAR _____

INITIAL DTW (BMP): 10.72 FT
 FINAL DTW (BMP): 10.74 FT
 PROT. CASING STICKUP (AGS): _____ FT
 TOC/TOR DIFFERENCE: 0.3 FT
 WELL DEPTH (BMP): 19.89 FT
 SCREEN LENGTH: ~10 FT
 PID AMBIENT AIR: _____ PPM
 REFILL TIMER SETTING: _____ SEC
 WATER COLUMN: 9.17 FT
 DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): 0.0008 GAL
 PID WELL MOUTH: _____ PPM
 DISCHARGE TIMER SETTING: _____ SEC
 CALCULATED GAL/VOL (column X well diameter squared X 0.041): 1.56 GAL
 TOTAL VOL. PURGED: 3.28 GAL
 DRAWDOWN/TOTAL PURGED: 0.0009 PSI
 PRESSURE TO PUMP: _____ PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE OAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
------------------	-------------------------------	---------------------	----------------------------	----------------------------------	----------------------------	---------------------------------------	-----------------------------------	------------------------	------------------------	----------

0810	BEGIN PURGING									
0815	10.73	250	10.99	0.323	6.16	6.00	318	220.1	~16'	Run 2/1/11 ↓
0820	10.74	250	12.20	0.322	6.02	1.40	266	186.3		
0825	10.74	250	12.20	0.324	6.03	1.25	191	154.0		
0830	10.74	250	12.12	0.319	6.06	1.10	144	137.4		
0835	10.74	250	12.04	0.314	6.09	1.02	99.9	121.3		
0840	10.74	250	12.03	0.311	6.13	0.97	68.5	115.0		
0845	10.74	250	11.97	0.308	6.15	0.90	49.2	103.2		
0850	10.74	250	11.94	0.306	6.17	0.86	31.6	98.3		
0855	10.74	250	11.94	0.304	6.18	0.84	28.9	93.2		
0900	10.74	250	11.94	0.303	6.20	0.83	28.1	92.8		
0908	Samples Collected									

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures(SF))

12	0.303	6.2	0.8	28	93
----	-------	-----	-----	----	----

TEMP: nearest degree (ex. 10.1 = 10)
 COND: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.55 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP	DECON FLUIDS USED	TUBING/PUMP/BLADDER MATERIALS	EQUIPMENT USED
<input checked="" type="checkbox"/> PERISTALTIC <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> BLADDER	<input checked="" type="checkbox"/> LIQUINOX <input type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER	<input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input type="checkbox"/> HDPE TUBING <input checked="" type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER <input type="checkbox"/> OTHER	<input checked="" type="checkbox"/> WL METER: 201mH <input type="checkbox"/> PID <input checked="" type="checkbox"/> WQ METER: YSI 556 <input checked="" type="checkbox"/> TURB. METER: HACH 2100P <input checked="" type="checkbox"/> PUMP: 600 pump <input type="checkbox"/> OTHER <input type="checkbox"/> FILTERS NO. TYPE

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> SVOC	8270C	—	4°C	1L (2)	<input checked="" type="checkbox"/>	—	—
<input checked="" type="checkbox"/> VOL	8200B	—	HCL	40ml (2)	<input checked="" type="checkbox"/>	—	—
<input type="checkbox"/> PAHs							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NO-PURGE METHOD UTILIZED: YES NO
 NUMBER OF GALLONS GENERATED: ~3 gal
 If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

NOTES

Sampler Signature: Brandon Shaw
 Checked By: Brandon Shaw
 Print Name: Ryan Markowski
 Date: 02-07-2011

LOCATION SKETCH

See updated Figure
rcm

FIGURE 4-1
LOW FLOW GROUNDWATER SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROGRAM PLAT

LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134/04.01
 SAMPLE ID: 130056mw08I03S04XX SAMPLE TIME: 1003

LOCATION ID: MW-8I DATE: 2/1/11
 START TIME: 0920 END TIME: 1007
 SITE NAME/NUMBER: 6013 Uniform PAGE: 1 OF 1

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER _____
 TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

WELL INTEGRITY
 YES NO N/A
 CAP
 CASING
 LOCKED
 COLLAR

INITIAL DTW (BMP): 10.81 FT FINAL DTW (BMP): 10.82 FT PROT. CASING STICKUP (AGS): _____ FT TOCTOR DIFFERENCE: 0.35 FT
 WELL DEPTH (BMP): 39.32 FT SCREEN LENGTH: 210 FT PID AMBIENT AIR: _____ PPM REFILL TIMER SETTING: _____ SEC
 WATER COLUMN: 28.51 FT DRAWDOWN VOLUME: 0.002 GAL PID WELL MOUTH: _____ PPM DISCHARGE TIMER SETTING: _____ SEC
 CALCULATED GAL/VOL: 4.65 GAL TOTAL VOL. PURGED: 2.545 GAL DRAWDOWN/TOTAL PURGED: 0.0009 PSI
(column X well diameter squared X 0.041) (initial DTW - final DTW X well diam. squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)										PUMP INTAKE DEPTH (ft)	COMMENTS
TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)			
0921	BEGIN PURGING										
0926	10.82	280	10.67	0.350	6.12	0.73	6.04	139.7	↑ 36'		
0931	10.82	280	11.94	0.349	6.08	0.43	3.99	140.6			
0936	10.82	280	12.20	0.351	6.07	0.38	2.20	140.0			
0941	10.82	280	12.30	0.352	6.07	0.41	2.66	140.2			
0946	10.82	280	12.16	0.354	6.07	0.43	1.52	140.4			
0951	10.82	280	12.20	0.353	6.07	0.43	1.06	140.4			
0956	10.82	280	12.11	0.353	6.07	0.40	—	139.8			
1003	Samples Collected										
			12	0.353	6.1	0.4	1.1	140.			

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures(SF))

12	0.353	6.1	0.4	1.1	140.
----	-------	-----	-----	-----	------

EQUIPMENT DOCUMENTATION

TYPE OF PUMP <input checked="" type="checkbox"/> PERISTALTIC <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> BLADDER <input type="checkbox"/> WATTERA <input type="checkbox"/> OTHER <input type="checkbox"/> OTHER	DECON FLUIDS USED <input checked="" type="checkbox"/> LIQUINOX <input type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER	TUBING/PUMP/BLADDER MATERIALS <input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER <input type="checkbox"/> OTHER	EQUIPMENT USED <input checked="" type="checkbox"/> WL METER <u>Solinst</u> <input checked="" type="checkbox"/> PID <input checked="" type="checkbox"/> WQ METER <u>YSI 556</u> <input checked="" type="checkbox"/> TURB. METER <u>Wahl 2100R</u> <input checked="" type="checkbox"/> PUMP <u>Geopump (none)</u> <input type="checkbox"/> OTHER FILTERS NO. _____ TYPE _____
---	---	---	--

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> SVOL	8270C	—	4°C	20mL (2)	✓	—	—
<input checked="" type="checkbox"/> VOL	8260B	—	HCL	12 (2)	✓	—	—

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NO-PURGE METHOD UTILIZED: YES NO
 NUMBER OF GALLONS GENERATED: 2.5 gal
 If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

NOTES:
 Sampler Signature: Brandon Shaw
 Checked By: Brandon Shaw
 Print Name: Ryan Markowski
 Date: 02-07-2011

LOCATION SKETCH

See updrw Figure
RCM

FIGURE 4-1
 LOW FLOW GROUNDWATER SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134/04.01
 SAMPLE ID: 130056 MW03D06704XX
 SAMPLE TIME: 1101

LOCATION ID: MW-8D
 DATE: 2/1/11
 START TIME: 1015
 END TIME: 1110
 SITE NAME/NUMBER: GENTS Uniform
 PAGE: 1 OF 1

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER _____
 TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

WELL INTEGRITY
 YES NO N/A
 CAP:
 CASING LOCKED:
 COLLAR:

INITIAL DTW (BMP): 10.76 FT
 FINAL DTW (BMP): 10.77 FT
 PROT. CASING STICKUP (AGS): _____ FT
 TOC/TOR DIFFERENCE: 0.3 FT
 WELL DEPTH (BMP): 74.60 FT
 SCREEN LENGTH: ~10 FT
 PID AMBIENT AIR: _____ PPM
 REFILL TIMER SETTING: _____ SEC
 WATER COLUMN: 63.84 FT
 DRAWDOWN VOLUME: 0.002 GAL
 PID WELL MOUTH: _____ PPM
 DISCHARGE TIMER SETTING: _____ SEC
 CALCULATED GAL/VOL: 10.77 GAL
 TOTAL VOL. PURGED: 2.78 GAL
 DRAWDOWN/TOTAL PURGED: 0.0007
 (column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

TIME	DTW (FT)	PURGE RATE	TEMP. (°C)	SP. CONDUCTANCE	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1017	BEGIN PURGING									
1022	10.76	300	11.69	0.044	5.93	1.10	8.00	79.7	~70'	ACM 2/1/11
1027	10.77	300	12.16	0.040	5.72	0.33	11.4	76.7		
1032	10.77	300	12.11	0.040	5.66	0.23	14.4	72.9		
1037	10.77	300	12.04	0.039	5.63	0.19	13.5	69.4		
1042	10.77	300	11.93	0.039	5.61	0.17	10.1	66.7		
1047	10.77	300	12.00	0.039	5.62	0.16	8.46	62.5		
1052	10.77	300	12.01	0.039	5.62	0.16	6.56	59.5		
1101	Samples Collected									
			12	0.039	5.6	0.2	6.6	60.		

FINAL-STABILIZED FIELD PARAMETERS (to appropriate significant figures(SF))
 12, 0.039, 5.6, 0.2, 6.6, 60.
 TEMP.: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.53 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: <input checked="" type="checkbox"/> PERISTALTIC <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> BLADDER <input type="checkbox"/> WATERA <input type="checkbox"/> OTHER <input type="checkbox"/> OTHER	DECON FLUIDS USED: <input checked="" type="checkbox"/> LIQUINOX <input type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER	TUBING/PUMP/BLADDER MATERIALS: <input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER <input type="checkbox"/> OTHER	EQUIPMENT USED: <input checked="" type="checkbox"/> WL METER: Solinst <input type="checkbox"/> PID <input checked="" type="checkbox"/> WQ METER: YSE 556 <input checked="" type="checkbox"/> TURB. METER: HANU 2100-A <input checked="" type="checkbox"/> PUMP: GENT'S (101) <input type="checkbox"/> OTHER <input type="checkbox"/> OTHER
---	--	--	---

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
SVOC	8270C	-	40C	1L (2)	✓	-	-
VOC	8260B	-	12L	40ml (2)	✓	-	-

PURGE OBSERVATIONS
 PURGE WATER CONTAINERIZED: YES NO
 NO-PURGE METHOD UTILIZED: YES NO
 NUMBER OF GALLONS GENERATED: 82.5 gal
 If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

NOTES

Sampler Signature: *Brandon Shaw*
 Checked By: *Brandon Shaw*
 Print Name: *Ryan Markowski*
 Date: *02-07-2011*

LOCATION SKETCH

See attached figures

FIGURE 4-1'
 LOW FLOW GROUNDWATER SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134/04.01
 SAMPLE ID: 1300564S00502204XX SAMPLE TIME: 1657

LOCATION ID: AS-5 DATE: 1/31/11
 START TIME: 1600 END TIME: 1710
 SITE NAME/NUMBER: Gents Uniform PAGE: 1 OF 1

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER _____
 TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

WELL INTEGRITY
 YES NO N/A
 CAP
 CASING
 LOCKED
 COLLAR

INITIAL DTW (BMP): 11.10 FT FINAL DTW (BMP): 11.25 FT PROT. CASING STICKUP (AGS): _____ FT
 WELL DEPTH (BMP): 25.82 FT SCREEN LENGTH: Unknown FT PID AMBIENT AIR: _____ PPM
 WATER COLUMN: 14.72 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.941): 0.006 GAL
 CALCULATED GAL/VOL (column X well diameter squared X 0.041): 0.60 GAL TOTAL VOL. PURGED: 1.593 GAL PID WELL MOUTH: _____ PPM
 TOCTOR DIFFERENCE: +0.15 FT REFILL TIMER SETTING: _____ SEC
 DISCHARGE TIMER SETTING: _____ SEC PRESSURE TO PUMP: _____ PSI
 DRAWDOWN/TOTAL PURGED: 0.004

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1611	BEGIN PURGING									
1616	11.21	175	11.28	0.448	6.99	1.45	7.90	-13.5		
1621	11.22	175	12.72	0.455	6.46	0.45	3.45	88.3		
1626	11.24	175	13.32	0.457	6.33	0.33	1.91	90.4		
1631	11.25	175	13.64	0.458	6.27	0.35	1.27	91.2		
1636	11.25	175	13.60	0.459	6.25	0.25	0.56	99.4		
1641	11.25	175	13.59	0.460	6.23	0.23	0.93	104.7		
1646	11.25	175	13.56	0.460	6.22	0.23	0.72	109.1		
1657	Samples Collected									

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

14	0.460	0.2	0.2	0.7	109
----	-------	-----	-----	-----	-----

TEMP.: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.55 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER WATERA OTHER _____
 DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____
 TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____
 S. STEEL PUMP MATERIAL PVC PUMP MATERIAL GEOPROBE SCREEN TEFLON BLADDER OTHER: none
 EQUIPMENT USED: WL METER 201 inst PID WQ METER YSZ 556 TURB. METER tech 2000 PUMP Geo pump OTHER _____
 FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> SVOC	<u>8270C</u>	<u>—</u>	<u>4°C</u>	<u>40ml(2)</u>	<input checked="" type="checkbox"/>	<u>—</u>	<u>—</u>
<input checked="" type="checkbox"/> VOC	<u>8260B</u>	<u>—</u>	<u>HLL</u>	<u>1L(2)</u>	<input checked="" type="checkbox"/>	<u>—</u>	<u>—</u>

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NO-PURGE METHOD UTILIZED: YES NO
 NUMBER OF GALLONS GENERATED: 15 gal
 If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

LOCATION SKETCH

SEE updated Figure

NOTES
 Sampler Signature: Brandon Shaw Print Name: Ryan Markowski
 Checked By: Brandon Shaw Date: 02-07-2011

LOW FLOW GROUNDWATER SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134/04.01
 SAMPLE ID: 13056 MW-9 QP3504XX
 SAMPLE TIME: 1545

LOCATION ID: MW-9
 DATE: 02-01-2011
 START TIME: 1445
 END TIME: 1600
 SITE NAME/NUMBER: 13056
 PAGE: 1 OF 1

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER _____
 TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____
 INITIAL DTW (BMP): 8.80 FT
 FINAL DTW (BMP): 8.78 FT
 PROT. CASING STICKUP (AGS): 0.0 FT
 WELL DEPTH (BMP): 39.75 FT
 SCREEN LENGTH: ~10. FT
 PID AMBIENT AIR: - PPM
 WATER COLUMN: 31.0 FT
 DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): - GAL
 PID WELL MOUTH: - PPM
 CALCULATED GAL/VOL (column X well diameter squared X 0.041): ~5 GAL
 TOTAL VOL. PURGED: ~4.3 GAL
 DRAWDOWN/TOTAL PURGED: -

WELL INTEGRITY
 YES NO N/A
 CAP:
 CASING LOCKED COLLAR:
 TOC/TOR DIFFERENCE: 0.13 FT
 REFILL TIMER SETTING: - SEC
 DISCHARGE TIMER SETTING: - SEC
 PRESSURE TO PUMP: - PSI

TIME 3-5 Minutes	DTW (FT) Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% < 10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1454										BEGIN PURGING
1459	8.80	325	11.12	0.249	5.97	2.23	11.1	72.0	~35'	
1504	8.78	325	11.64	0.221	5.63	0.50	21.3	67.9		
1509	8.78	325	11.66	0.280	5.64	0.32	21.5	63.0		
1514	8.79	325	11.67	0.288	5.74	0.31	20.5	59.6		
1519	8.78	325	11.64	0.297	5.83	0.34	13.1	54.0		
1524	8.79	325	11.54	0.299	5.79	0.23	12.4	60.0		
1529	8.77	325	11.43	0.299	5.84	0.26	8.91	56.5		
1534	8.79	325	11.45	0.304	5.88	0.20	6.99	55.2		
1539	8.79	325	11.38	0.306	5.84	0.19	6.50	58.0		
1544	8.78	325	11.52	0.307	5.81	0.22	7.04	58.2		
1545	Collected gw sample @ MW-9									
FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures(SF))										
	12	0.307	5.9	0.2	7.0	58				

TEMP.: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.096 = 0.096)
 pH: nearest tenth (ex. 3.55 = 3.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER

DECON FLUIDS USED: LIQUINOX, DEIONIZED WATER, POTABLE WATER, NITRIC ACID, HEXANE, METHANOL, OTHER: none

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING, TEFLON TUBING, TEFLON LINED TUBING, HDPE TUBING, LDPE TUBING, OTHER: none

S. STEEL PUMP MATERIAL, PVC PUMP MATERIAL, GEOPROBE SCREEN, TEFLON BLADDER, OTHER: none

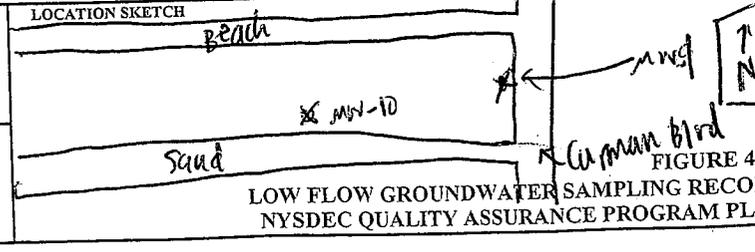
EQUIPMENT USED: WL METER: 30met, PID, WQ METER: YSI 556, TURB. METER: Hach 2100P, PUMP, OTHER, FILTERS NO. TYPE

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
✓ Vol	8260	N	HCl	2 x 40ml	✓		See Above
✓ SVOG	8270	N	A/C	2 x 1 L	✓		

PURGE OBSERVATIONS
 PURGE WATER CONTAINERIZED: YES NO
 NO-PURGE METHOD UTILIZED: YES NO

NUMBER OF GALLONS GENERATED: 43
 If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

NOTES:
 Sampler Signature: *Brandon Shaw*
 Print Name: Brandon Shaw
 Checked By: RCM
 Date: 2/7/11



LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134/04.01
 SAMPLE ID: 130566mw01002504XX
 SAMPLE TIME: 0430 1046

LOCATION ID: MW-10
 DATE: 02-02-2011
 START TIME: 0805
 END TIME: 0445 1166
 SITE NAME/NUMBER: 13056
 PAGE: 1 OF 3

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER _____
 TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____
 INITIAL DTW (BMP): 7.60 FT
 FINAL DTW (BMP): 7.58 FT
 PROT. CASING STICKUP (AGS): 0.0 FT
 WELL DEPTH (BMP): 29.8 FT
 SCREEN LENGTH: ~10 FT
 PID AMBIENT AIR: _____ PPM
 WATER COLUMN: 22.2 FT
 DRAWDOWN VOLUME: 0 GAL
 PID WELL MOUTH: _____ PPM
 CALCULATED GAL/VOL: 2.6310 GAL
 TOTAL VOL. PURGED: 9.3 GAL
 DRAWDOWN/TOTAL PURGED: 20.1

WELL INTEGRITY
 YES NO N/A
 CAP:
 CASING:
 LOCKED:
 COLLAR:
 TOCTOR DIFFERENCE: 0.3 FT
 REFILL TIMER SETTING: _____ SEC
 DISCHARGE TIMER SETTING: _____ SEC
 PRESSURE TO PUMP: _____ PSI

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
0834										BEGIN PURGING
0839	7.60	300	10.65	0.058	6.36	1.23	114	201.6	-25'	
0844	7.60	300	10.81	0.051	6.15	0.53	225	178.1		
0849	7.60	300	10.70	0.047	6.10	0.40	249	154.0		
0854	7.59	300	10.56	0.054	6.18	0.31	265	136.1		
0859	7.60	300	10.79	0.057	6.22	0.32	298	112.0		
0904	7.59	300	10.88	0.061	6.25	0.25	329	95.4		
0909	7.60	300	11.01	0.064	6.29	0.25	128	73.3		
0914	7.60	300	11.10	0.069	6.33	0.23	114	64.5		
0919	7.60	300	11.22	0.077	6.38	0.29	99.5	68.3		
0924	7.60	300	11.28	0.079	6.41	0.23	87.1	60.4		
0929	7.60	300	11.42	0.081	6.42	0.18	70.6	57.1		

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures(SF))

TEMP.: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.53 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

See final page → H 0.051 0.64 0.2 71 9257

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER: none

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER: none

S. STEEL PUMP MATERIAL PVC PUMP MATERIAL GEOPROBE SCREEN TEFLON BLADDER OTHER: none

EQUIPMENT USED: WL METER: Solatz 101 PID: WQ METER: ysl 665 TURB. METER: pipe track 2002P PUMP: geo pump OTHER: FILTERS: NO. TYPE

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
VOL	8260	N	HCl	2 x 40 ml	✓	N	
SCOV	8270	N	4:1	2 x 1 L	✓	N	See Above
metals	6010	N	HNO ₃	500ml	✓	N	

PURGE OBSERVATIONS
 PURGE WATER CONTAINERIZED: YES NO
 NO-PURGE METHOD UTILIZED: YES NO

NUMBER OF GALLONS GENERATED: 20.4 x 9.8
 If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

NOTES:
 Sampler Signature: J. Kowaloff
 Print Name: Brandon Shaw
 Date: 2/7/11

LOCATION SKETCH: MW-10, Sand cr, Gorman Blvd

FIGURE 4-1'
 LOW FLOW GROUNDWATER SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAT

LOW FLOW GROUNDWATER SAMPLING RECORD



PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134/04.01
 SAMPLE ID: 130056 MW 01002504XX SAMPLE TIME: 1046

LOCATION ID: MW-10 DATE: 02-02-2011
 START TIME: 0805 END TIME: 1100
 SITE NAME/NUMBER: 130056 PAGE: 2 OF 3

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER _____
 TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

WELL INTEGRITY
 YES NO N/A
 CAP
 CASING
 LOCKED
 COLLAR

INITIAL DTW (BMP): 7.60 FT FINAL DTW (BMP): 7.58 FT PROT. CASING STICKUP (AGS): 0.0 FT
 WELL DEPTH (BMP): 29.8 FT SCREEN LENGTH: ~10 FT PID AMBIENT AIR: - PPM
 WATER COLUMN: 22.2 FT DRAWDOWN VOLUME: 60.1 GAL PID WELL MOUTH: - PPM
 CALCULATED GAL/VOL: 3.6 GAL TOTAL VOL. PURGED: ~9.3 GAL DRAWDOWN/TOTAL PURGED: 60.1
(column X well diameter squared X 0.041) (initial DTW - final DTW X well diam. squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

TOC/TOR DIFFERENCE: 0.3 FT
 REFILL TIMER SETTING: - SEC
 DISCHARGE TIMER SETTING: - SEC
 PRESSURE TO PUMP: - PSI

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
0834										BEGIN PURGING - continued as page 1 of 2
0934	7.60	300	11.47	0.083	6.44	0.20	54.4	51.1	~25'	
0939	7.60	700	11.42	0.084	6.46	0.20	44.4	49.7		
0944	7.60	300	11.46	0.087	6.48	0.17	38.9	47.1		
0949	7.59	300	11.48	0.091	6.49	0.15	26.3	44.0		
0954	7.56	300	11.53	0.092	6.50	0.15	25.4	45.2		
0959	7.57	300	11.51	0.091	6.50	0.16	21.7	42.5		
1004	7.58	300	11.55	0.092	6.51	0.16	18.7	40.3		
1009	7.58	300	11.52	0.093	6.51	0.13	18.2	41.5		
1014	7.58	700	11.49	0.094	6.52	0.12	13.3	42.2		
1019	7.58	300	11.41	0.096	6.54	0.13	11.5	43.2		
1024	7.58	300	11.34	0.097	6.56	0.14	10.6	38.5		

TEMP.: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.55 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures [SF])

See Page 3 → # 98 1.097 6.6 0.1 10.6 39

EQUIPMENT DOCUMENTATION

<p>TYPE OF PUMP</p> <input checked="" type="checkbox"/> PERISTALTIC <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> BLADDER <input type="checkbox"/> WATERA <input type="checkbox"/> OTHER <input type="checkbox"/> OTHER	<p>DECON FLUIDS USED</p> <input type="checkbox"/> LIQUINOX <input type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input checked="" type="checkbox"/> OTHER <u>None</u>	<p>TUBING/PUMP/BLADDER MATERIALS</p> <input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input checked="" type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER <input type="checkbox"/> OTHER	<p>EQUIPMENT USED</p> <input checked="" type="checkbox"/> WL METER <u>Solinst 101</u> <input checked="" type="checkbox"/> PID <input checked="" type="checkbox"/> WQ METER <u>YSI 4556 (665)</u> <input checked="" type="checkbox"/> TURB. METER <u>Hach (pine) 2100</u> <input checked="" type="checkbox"/> PUMP <u>Geo pump</u> <input type="checkbox"/> OTHER FILTERS NO. _____ TYPE _____
--	---	--	---

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> Vol	8260B	N	Heil	2 X 40 mL	✓	N	
<input checked="" type="checkbox"/> SVOL	8270C	N	4°C	2 X 1 L	✓	N	
<input checked="" type="checkbox"/> Metal	6010B	N	HND3	500 mL	✓	N	See Above

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NO-PURGE METHOD UTILIZED: YES NO
 NUMBER OF GALLONS GENERATED: ~9.8
 If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

LOCATION SKETCH

see page 1 of 3

NOTES

Sampler Signature: [Signature]
 Checked By: J. Rawcliffe

Print Name: Brandon shaw
 Date: 2/2/11

LOW FLOW GROUNDWATER SAMPLING RECORD



PROJECT NAME: Gent Uniform

PROJECT NUMBER: 3612092134/04.01

SAMPLE ID: 130056 MW 0100 2504XX SAMPLE TIME: 1046

LOCATION ID: MW-10 DATE: Nov 2/2/11

START TIME: 0805 END TIME: 1100

SITE NAME/NUMBER: Gent Uniform PAGE: 3 OF 3

130056

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER _____

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

WELL INTEGRITY

YES NO N/A

CAP

CASING

LOCKED

COLLAR

INITIAL DTW (BMP): 7.60 FT FINAL DTW (BMP): 7.58 FT PROT. CASING STICKUP (AGS): Flush mount FT

WELL DEPTH (BMP): 28.29 FT SCREEN LENGTH: 10 FT PID AMBIENT AIR: _____ PPM

WATER COLUMN: 22.20 FT DRAWDOWN VOLUME: 6.0 GAL PID WELL MOUTH: _____ PPM

CALCULATED GAL/VOL: 3.6 GAL TOTAL VOL. PURGED: 19.3 GAL DRAWDOWN/TOTAL PURGED: 2.1

(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

TOC/TOR DIFFERENCE: _____ FT

REFILL TIMER SETTING: _____ SEC

DISCHARGE TIMER SETTING: _____ SEC

PRESSURE TO PUMP: _____ PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)										COMMENTS
TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	
BEGIN PURGING										
<u>1028</u>	<u>7.58</u>	<u>300</u>	<u>11.9</u>	<u>0.095</u>	<u>6.55</u>	<u>0.13</u>	<u>7.76</u>	<u>38.3</u>	<u>25'</u>	
<u>1032</u>	<u>7.58</u>	<u>300</u>	<u>11.08</u>	<u>0.096</u>	<u>6.54</u>	<u>0.13</u>	<u>8.25</u>	<u>37.8</u>		
<u>1038</u>	<u>7.58</u>	<u>300</u>	<u>11.05</u>	<u>0.095</u>	<u>6.54</u>	<u>0.13</u>	<u>8.89</u>	<u>36.5</u>		
<u>1046</u>	<u>Samples Collected</u>									

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

	<u>11</u>	<u>0.095</u>	<u>6.5</u>	<u>0.1</u>	<u>8.9</u>	<u>370</u>
--	-----------	--------------	------------	------------	------------	------------

TEMP.: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.55 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

<p>TYPE OF PUMP</p> <p><input checked="" type="checkbox"/> PERISTALTIC</p> <p><input type="checkbox"/> SUBMERSIBLE</p> <p><input type="checkbox"/> BLADDER</p> <p><input type="checkbox"/> WATERA</p> <p><input type="checkbox"/> OTHER _____</p> <p><input type="checkbox"/> OTHER _____</p>	<p>DECON FLUIDS USED</p> <p><input checked="" type="checkbox"/> LIQUINOX</p> <p><input type="checkbox"/> DEIONIZED WATER</p> <p><input type="checkbox"/> POTABLE WATER</p> <p><input type="checkbox"/> NITRIC ACID</p> <p><input type="checkbox"/> HEXANE</p> <p><input type="checkbox"/> METHANOL</p> <p><input checked="" type="checkbox"/> OTHER <u>distilled</u></p>	<p>TUBING/PUMP/BLADDER MATERIALS</p> <p><input checked="" type="checkbox"/> SILICON TUBING</p> <p><input type="checkbox"/> TEFLON TUBING</p> <p><input type="checkbox"/> TEFLON LINED TUBING</p> <p><input type="checkbox"/> HDPE TUBING</p> <p><input checked="" type="checkbox"/> LDPE TUBING</p> <p><input type="checkbox"/> OTHER _____</p> <p><input type="checkbox"/> OTHER _____</p>	<p>EQUIPMENT USED</p> <p><input checked="" type="checkbox"/> WL METER <u>Solinst 101</u></p> <p><input type="checkbox"/> PID</p> <p><input checked="" type="checkbox"/> WQ METER <u>YSI 556</u></p> <p><input checked="" type="checkbox"/> TURB. METER <u>HOCH 2100P</u></p> <p><input checked="" type="checkbox"/> PUMP <u>Geo pump (Pine)</u></p> <p><input type="checkbox"/> OTHER _____</p> <p><input type="checkbox"/> FILTERS NO. _____ TYPE _____</p>
--	---	--	---

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> <u>SVOC</u>	<u>8270</u>	<u>1</u>	<u>AC</u>	<u>2 x 12</u>	<input checked="" type="checkbox"/>	<u>N</u>	<u>-</u>
<input checked="" type="checkbox"/> <u>VOC</u>	<u>8260</u>	<u>N</u>	<u>Hoi</u>	<u>2 x 40 ml</u>	<input checked="" type="checkbox"/>	<u>N</u>	<u>-</u>
<input checked="" type="checkbox"/> <u>TAL Metals</u>	<u>6010</u>	<u>N</u>	<u>HNO₃</u>	<u>500.</u>	<input checked="" type="checkbox"/>	<u>N</u>	<u>-</u>
<input type="checkbox"/> _____	_____	_____	_____	_____	_____	_____	_____

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO

NO-PURGE METHOD UTILIZED: YES NO

NUMBER OF GALLONS GENERATED: 19.8

If yes, purged approximately 1 standing volume prior to sampling or 100 mL for this sample location.

LOCATION SKETCH

SEE UPDATED FIGURE
or page 1 of 3

Sampler Signature: [Signature]
 Checked By: J. Rawc

Print Name: Ryn Markowski
 Date: 2/7/11

LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134/04.01
 SAMPLE ID: 130056 MW(1)102504xx/ /XO
 SAMPLE TIME: 0930

LOCATION ID: MW-11 DATE: 2/2/11
 START TIME: 0800 END TIME: 0935
 SITE NAME/NUMBER: 130056 PAGE: 1 OF 1

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER _____
 TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

WELL INTEGRITY
 YES NO N/A
 CAP:
 CASING:
 LOCKED:
 COLLAR:

INITIAL DTW (BMP): 5.21 FT FINAL DTW (BMP): 5.18 FT PROT. CASING STICKUP (AGS): 0 FT TOC/TOR DIFFERENCE: 0.23 FT
 WELL DEPTH (BMP): 29.8 FT SCREEN LENGTH: 9.6 FT PID AMBIENT AIR: _____ PPM REFILL TIMER SETTING: _____ SEC
 WATER COLUMN: 24.6 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): _____ GAL PID WELL MOUTH: _____ PPM DISCHARGE TIMER SETTING: _____ SEC
 CALCULATED GAL/VOL (column X well diameter squared X 0.041): 4.0 GAL TOTAL VOL. PURGED: 2.8 GAL DRAWDOWN/ TOTAL PURGED: _____ PSI
(mL per minute X total minutes X 0.00026 gal/mL)

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)										
TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
0826	BEGIN PURGING									
0830	5.21	220	9.7	.113	6.5	2.1	0.6	202	UNK	
0835	5.21	↓	10.4	.108	6.2	0.7	0.3	188		1950
0840	5.21	250	10.6	.097	6.1	0.4	0.3	173		
0845	5.21	↓	11.0	.091	6.1	0.3	0.2	166		
0850	5.21	↓	11.2	.089	6.1	0.3	0.3	159		
0855	5.21	250	11.4	.088	6.1	0.3	0.6	154		
0900	5.20	↓	11.9	.088	6.1	0.2	0.3	149		
0905	5.19	↓	11.8	.088	6.1	0.2	0.2	148		
0910	5.18	250	11.7	.089	6.1	0.2	0.2	146		8750

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures [SF])
 DTW: 5.18, Purge Rate: 250, Temp: 11.7, Sp. Conductance: .089, pH: 6.1, Diss. O₂: 0.2, Turbidity: 0.2, Redox: 150
TEMP.: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.55 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

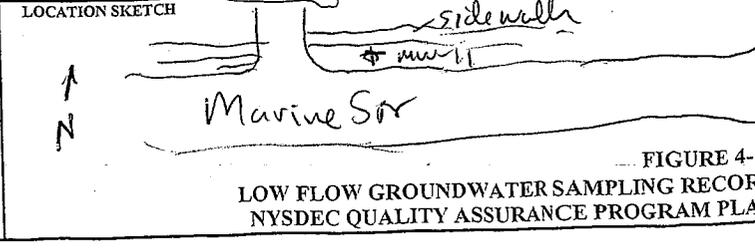
TYPE OF PUMP: <input checked="" type="checkbox"/> PERISTALTIC <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> BLADDER <input type="checkbox"/> WATERA <input type="checkbox"/> OTHER <input type="checkbox"/> OTHER	DECON FLUIDS USED: <input type="checkbox"/> LIQUINOX <input type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input checked="" type="checkbox"/> OTHER: None	TUBING/PUMP/BLADDER MATERIALS: <input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER <input type="checkbox"/> OTHER	EQUIPMENT USED: <input checked="" type="checkbox"/> WL METER: Solix 101 <input type="checkbox"/> PID <input checked="" type="checkbox"/> WQ METER: VSI 556 mps <input checked="" type="checkbox"/> TURB. METER: Hamilton <input checked="" type="checkbox"/> PUMP: Geyser <input type="checkbox"/> OTHER <input type="checkbox"/> FILTERS NO. TYPE
---	--	--	---

ANALYTICAL PARAMETERS	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOC	8260B	N	4°C	2x40ml	✓	DUP	
<input checked="" type="checkbox"/> SVOC	8270C	N	4°C	2x120ml	✓	DUP	
/							

PURGE OBSERVATIONS
 PURGE WATER CONTAINERIZED: YES NO
 NO-PURGE METHOD UTILIZED: YES NO
 NUMBER OF GALLONS GENERATED: 2.8
 If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

NOTES: Duplicate sample collected

Sampler Signature: *Jerry Rawcliffe* Print Name: Jerry Rawcliffe
 Checked By: *Jerry Rawcliffe* Date: 2/2/11



LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME Gent Uniform	
PROJECT NUMBER 3612092134/04.01	
SAMPLE ID 130056MW01201204XX	SAMPLE TIME 0922

LOCATION ID MW-12	DATE 2/2/11
START TIME 0815	END TIME 0930
SITE NAME/NUMBER Gents Uniform	PAGE 1 OF 1

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER _____

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

WELL INTEGRITY
YES NO N/A

CAP

CASING LOCKED

COLLAR

INITIAL DTW (BMP) 8.17 FT	FINAL DTW (BMP) 8.18 FT	PROT. CASING STICKUP (AGS) _____ FT	TOC/TOR DIFFERENCE 0.3 FT
WELL DEPTH (BMP) 14.59 FT	SCREEN LENGTH 10 FT	PID AMBIENT AIR _____ PPM	REFILL TIMER SETTING _____ SEC
WATER COLUMN 6.42 FT	DRAWDOWN VOLUME 0.0004 GAL	PID WELL MOUTH _____ PPM	DISCHARGE TIMER SETTING _____ SEC
CALCULATED GAL/VOL 0.26 GAL	TOTAL VOL. PURGED 2.635 GAL	DRAWDOWN/TOTAL PURGED 0.0002	PRESSURE TO PUMP _____ PSI

(initial DTW - final DTW X well diam. squared X 0.041)
(column X well diameter squared X 0.041)
(mL per minute X total minutes X 0.0026 gal/mL)

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)										
TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
0830	BEGIN PURGING									
0835	8.18	225	9.04	0.194	5.43	1.90	31.5	155.0	711'	
0840	8.18	225	9.13	0.195	5.44	1.65	25.0	145.7		
0845	8.18	225	9.11	0.194	5.45	3.24	19.4	141.8		
0850	8.18	225	9.18	0.194	5.49	1.44	9.61	139.1		
0855	8.18	225	9.21	0.198	5.51	1.52	5.02	135.0		
0900	8.18	225	9.26	0.203	5.56	1.26	2.72	130.0		
0905	8.18	225	9.41	0.207	5.58	1.15	0.94	125.7		
0910	8.18	225	9.42	0.211	5.59	1.13	0.71	124.3		
0915	8.18	225	9.35	0.214	5.62	1.18	0.57	121.3		
0922	Samples Collected									

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures(SF))

9 0.214 5.6 1.2 0.6 121

TEMP.: nearest degree (ex. 10.1 = 10)
COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

<p>TYPE OF PUMP</p> <p><input checked="" type="checkbox"/> PERISTALTIC</p> <p><input type="checkbox"/> SUBMERSIBLE</p> <p><input type="checkbox"/> BLADDER</p> <p><input type="checkbox"/> WATERA</p> <p><input type="checkbox"/> OTHER</p>	<p>DECON FLUIDS USED</p> <p><input checked="" type="checkbox"/> LIQUINOX</p> <p><input type="checkbox"/> DEIONIZED WATER</p> <p><input type="checkbox"/> POTABLE WATER</p> <p><input type="checkbox"/> NITRIC ACID</p> <p><input type="checkbox"/> HEXANE</p> <p><input type="checkbox"/> METHANOL</p> <p><input type="checkbox"/> OTHER</p>	<p>TUBING/PUMP/BLADDER MATERIALS</p> <p><input checked="" type="checkbox"/> SILICON TUBING</p> <p><input type="checkbox"/> TEFLON TUBING</p> <p><input type="checkbox"/> TEFLON LINED TUBING</p> <p><input type="checkbox"/> HDPE TUBING</p> <p><input checked="" type="checkbox"/> LDPE TUBING</p> <p><input type="checkbox"/> OTHER</p> <p><input type="checkbox"/> OTHER</p>	<p>EQUIPMENT USED</p> <p><input checked="" type="checkbox"/> WL METER Solinst</p> <p><input checked="" type="checkbox"/> PID PPA 3006</p> <p><input checked="" type="checkbox"/> WQ METER YSI 556</p> <p><input checked="" type="checkbox"/> TURB. METER Hach 2100P</p> <p><input checked="" type="checkbox"/> PUMP Red Pump (Mini)</p> <p><input type="checkbox"/> OTHER</p> <p><input type="checkbox"/> FILTERS NO. _____ TYPE _____</p>
--	---	--	--

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> SVOC	8270C	—	4°C	16(2)	<input checked="" type="checkbox"/>	—	—
<input checked="" type="checkbox"/> VOC	8260B	—	HCL	40-1(2)	<input checked="" type="checkbox"/>	—	—
<i>MA</i>							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO

NO-PURGE METHOD UTILIZED YES NO

NUMBER OF GALLONS GENERATED **72.5 gal**

If yes, purged approximately 1 standing volume prior to sampling or **MA** mL for this sample location.

LOCATION SKETCH

See updated figure + map

NOTES **PID = 25.5 ppm 1st** **2nd PID = 3500 ppb**

Sampler Signature: *Brandon Shaw* Print Name: **Ryan Markowski**

Checked By: *Brandon Shaw* Date: **02-07-2011**

LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134/04.01
 SAMPLE ID: 130056.MW01301204X SAMPLE TIME: 1423

LOCATION ID: MW-13 DATE: 2/2/11
 START TIME: 1300 END TIME: 1430
 SITE NAME/NUMBER: Gents Uniform PAGE: 1 OF 2

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER _____
 TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

WELL INTEGRITY
 YES NO N/A
 CAP
 CASING
 LOCKED
 COLLAR

INITIAL DTW (BMP): 7.80 FT FINAL DTW (BMP): 9.81 FT PROT. CASING STICKUP (AGS): 1 FT TOCTOR DIFFERENCE: 0.15 FT
 WELL DEPTH (BMP): 14.58 FT SCREEN LENGTH: -10 FT PID AMBIENT AIR: 1 PPM REFILL TIMER SETTING: _____ SEC
 WATER COLUMN: 6.78 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): 0.0004 GAL PID WELL MOUTH: 1 PPM DISCHARGE TIMER SETTING: _____ SEC
 CALCULATED GAL/VOL: 0.25 GAL TOTAL VOL. PURGED: 4.732 GAL DRAWDOWN/TOTAL PURGED: 0.00009 PSI
(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1309	BEGIN PURGING									
1314	7.81	260	9.85	0.216	6.56	4.45	147	92.8	~11'	
1319	7.81	260	10.18	0.222	6.55	3.93	35.4	81.9		
1324	7.81	260	10.21	0.231	6.43	3.89	11.2	83.8		
1329	7.81	260	10.24	0.246	6.34	3.94	3.57	84.9		
1334	7.81	260	10.28	0.268	6.39	3.93	1.58	89.8		
1339	7.81	260	10.32	0.296	6.35	3.91	0.85	88.2		
1344	7.81	260	10.32	0.318	6.30	3.94	0.41	86.7		
1349	7.81	260	10.37	0.338	6.25	4.11	0.47	88.1		
1354	7.81	260	10.35	0.347	6.32	4.16	0.36	87.6		
1359	7.81	260	10.39	0.363	6.28	4.15	0.23	86.6		
1404	7.81	260	10.42	0.376	6.27	4.25	0.17	87.4		

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

10.	0.396	6.2	4.2	0.2	90.
-----	-------	-----	-----	-----	-----

TEMP.: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.53 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

<p>TYPE OF PUMP</p> <input checked="" type="checkbox"/> PERISTALTIC <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> BLADDER <input type="checkbox"/> WATERA <input type="checkbox"/> OTHER <input type="checkbox"/> OTHER	<p>DECON FLUIDS USED</p> <input type="checkbox"/> LIQUINOX <input type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input checked="" type="checkbox"/> METHANOL <input type="checkbox"/> OTHER <u>none</u>	<p>TUBING/PUMP/BLADDER MATERIALS</p> <input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input type="checkbox"/> HDPE TUBING <input checked="" type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER <input type="checkbox"/> OTHER	<p>EQUIPMENT USED</p> <input checked="" type="checkbox"/> WL METER <u>Suinst</u> <input type="checkbox"/> PID <input checked="" type="checkbox"/> WQ METER <u>VSI 556</u> <input checked="" type="checkbox"/> TURB. METER <u>HACH 2100-0</u> <input checked="" type="checkbox"/> PUMP <u>600 pump (Pent)</u> <input type="checkbox"/> OTHER <input type="checkbox"/> FILTERS NO. _____ TYPE _____
---	--	---	--

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> SVOC	8270C	—	40C	1L (2)	<input checked="" type="checkbox"/>	—	—
<input checked="" type="checkbox"/> VOC	8260B	—	HCL	40mL (2)	<input checked="" type="checkbox"/>	—	—
<input type="checkbox"/>							
<input type="checkbox"/>							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NO-PURGE METHOD UTILIZED: YES NO
 NUMBER OF GALLONS GENERATED: 25 gal
 If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

LOCATION SKETCH

See updated figures

NOTES

Sampler Signature: [Signature] Checked By: Brandon Shaw
 Print Name: Ryan Markowski Date: 02-07-2011

LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134/04.01
 SAMPLE ID: 130056 MW01301204XX SAMPLE TIME: 1423

LOCATION ID: MW-13 DATE: 2/2/11
 START TIME: 1300 END TIME: 1430
 SITE NAME/NUMBER: GENTS Uniform PAGE: 2 OF 2

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER _____
 TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

WELL INTEGRITY

YES NO N/A
 CAP
 CASING
 LOCKED
 COLLAR

INITIAL DTW (BMP): 7.80 FT FINAL DTW (BMP): 7.81 FT PROT. CASING STICKUP (AGS): _____ FT TOC/TOR DIFFERENCE: 0.15 FT
 WELL DEPTH (BMP): 14.58 FT SCREEN LENGTH: 10 FT PID AMBIENT AIR: _____ PPM REFILL TIMER SETTING: _____ SEC
 WATER COLUMN: 6.78 FT DRAWDOWN VOLUME: 0.0004 GAL PID WELL MOUTH: _____ PPM DISCHARGE TIMER SETTING: _____ SEC
 CALCULATED GAL/VOL: 0.28 GAL TOTAL VOL. PURGED: 4.732 GAL DRAWDOWN/TOTAL PURGED: 0.00009 PSI
(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE OAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
BEGIN PURGING										
1409	7.81	260	10.43	0.390	6.26	4.18	0.36	86.9	~11'	Run 2/2/11 [Signature]
1414	7.81	260	10.44	0.393	6.26	4.13	0.22	87.9		
1419	7.81	260	10.47	0.396	6.23	4.22	0.17	90.5		
1423	Samples Collected									

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures(SF))

10 0.396 6.2 4.2 0.2 90

TEMP.: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.53 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB.: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP
 PERISTALTIC
 SUBMERSIBLE
 BLADDER
 WATERA
 OTHER
 OTHER

DECON FLUIDS USED
 LIQUINOX
 DEIONIZED WATER
 POTABLE WATER
 NITRIC ACID
 HEXANE
 METHANOL
 OTHER NONE

TUBING/PUMP/BLADDER MATERIALS
 SILICON TUBING
 TEFLON TUBING
 TEFLON LINED TUBING
 HDPE TUBING
 LDPE TUBING
 OTHER
 OTHER

S. STEEL PUMP MATERIAL
 PVC PUMP MATERIAL
 GEOPROBE SCREEN
 TEFLON BLADDER
 OTHER NONE
 OTHER
 OTHER

EQUIPMENT USED
 WL METER Solinst
 PID
 WQ METER VSI 556
 TURB. METER HACH 2100A
 PUMP 000 Pump (Pico)
 OTHER
 FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> SVOC	<u>8270C</u>	<u>—</u>	<u>4°C</u>	<u>1L (2)</u>	<input checked="" type="checkbox"/>	<u>—</u>	<u>—</u>
<input checked="" type="checkbox"/> VOC	<u>8260B</u>	<u>—</u>	<u>HCL</u>	<u>40ml (2)</u>	<input checked="" type="checkbox"/>	<u>—</u>	<u>—</u>
<u>PTS</u>							

PURGE OBSERVATIONS

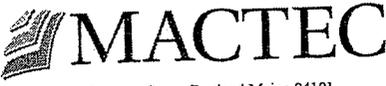
PURGE WATER CONTAINERIZED: YES NO
 NO-PURGE METHOD UTILIZED: YES NO
 NUMBER OF GALLONS GENERATED: ~5 gal
 If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

LOCATION SKETCH

See updated figures

Sampler Signature: [Signature] Print Name: Ryan Markowski
 Checked By: Brandon Shaw Date: 02-07-2011

LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134/04.01
 SAMPLE ID: 130056 MW 0.140 200 4 x 2
 SAMPLE TIME: 1227

LOCATION ID: MW-14 DATE: 2/2/11
 START TIME: 1140 END TIME: 1230
 SITE NAME/NUMBER: Gents Uniform PAGE: 1 OF 1

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER _____
 TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

WELL INTEGRITY
 YES NO N/A
 CAP
 CASING
 LOCKED
 COLLAR

INITIAL DTW (BMP): 2.16 FT FINAL DTW (BMP): 2.29 FT PROT. CASING STICKUP (AGS): _____ FT
 WELL DEPTH (BMP): 23.00 FT SCREEN LENGTH: 10 FT PID AMBIENT AIR: _____ PPM
 WATER COLUMN: 20.84 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): 0.005 GAL PID WELL MOUTH: _____ PPM
 CALCULATED GAL/VOL: 0.85 GAL TOTAL VOL. PURGED: 2.73 GAL DRAWDOWN/TOTAL PURGED: 0.002
(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1143										BEGIN PURGING
1148	2.24	300	12.08	0.211	6.03	1.70	59.4	98.3	120'	
1153	2.23	300	12.30	0.217	6.00	1.00	22.3	98.5		
1158	2.24	300	12.44	0.219	6.00	0.94	13.2	98.2		
1203	2.25	300	12.45	0.219	6.00	0.95	8.87	96.0		
1208	2.26	300	12.43	0.221	6.01	0.80	5.06	95.4		
1213	2.27	300	12.52	0.221	5.94	0.83	3.35	93.3		
1218	2.29	300	12.54	0.221	5.97	0.80	2.63	91.4		
1227	Samples Collected									

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures(SF))

13	0.221	6.0	0.8	2.6	91
----	-------	-----	-----	-----	----

TEMP.: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.53 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER WATTERA OTHER OTHER _____

DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER: none

TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER OTHER _____

EQUIPMENT USED: WL METER: Solinst PID WQ METER: YSI 556 TURB. METER: HACH 210SP PUMP: Geopump (1/2") OTHER FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> SVOC	8270C	—	40C	1L(2)	<input checked="" type="checkbox"/>	—	—
<input checked="" type="checkbox"/> VOC	8260B	—	HCL	40mL(2)	<input checked="" type="checkbox"/>	—	—
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NO-PURGE METHOD UTILIZED: YES NO
 NUMBER OF GALLONS GENERATED: 2.6 gal
 If yes, purged approximately 1 standing volume prior to sampling or NA mL for this sample location.

LOCATION SKETCH

See updated figures

Sampler Signature: *Brandon Shaw* Print Name: Rym Markowski
 Checked By: Brandon Shaw Date: 02-07-2011

LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134/04.01
 SAMPLE ID: 130056.MW 0155009042 SAMPLE TIME: 1347

LOCATION ID: MW-155 DATE: 2/1/11
 START TIME: 1300 END TIME: 1350
 SITE NAME/NUMBER: 600's Uniform PAGE: 1 OF 1

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER _____
 TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

WELL INTEGRITY

YES NO N/A
 CAP
 CASING
 LOCKED
 COLLAR

INITIAL DTW (BMP): 3.16 FT FINAL DTW (BMP): 3.23 FT PROT. CASING STICKUP (AGS): _____ FT
 WELL DEPTH (BMP): 12.46 FT SCREEN LENGTH: 10 FT PID AMBIENT AIR: _____ PPM
 WATER COLUMN: 9.3 FT DRAWDOWN VOLUME: 0.003 GAL PID WELL MOUTH: _____ PPM
 CALCULATED GAL/VOL: 0.34 GAL TOTAL VOL. PURGED: 1.57 GAL DRAWDOWN/TOTAL PURGED: 0.0016
(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

TOC/TOR DIFFERENCE: 0.1 FT
 REFILL TIMER SETTING: _____ SEC
 DISCHARGE TIMER SETTING: _____ SEC
 PRESSURE TO PUMP: _____ PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME	DTW (FT)	PURGE RATE	TEMP. (°C)	SP. CONDUCTANCE	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
3-5 Minutes	0.0-0.33 ft Drawdown	(mL/min)	(+/- 3 degrees)	(mS/cm) (+/- 3%)	(+/- 0.1 units)	(+/- 10%)	(+/- 10% <10 ntu)	(+/- 10 mv)		
1304	BEGIN PURGING									
1309	3.20	200	7.25	0.317	6.24	1.85	122	19.5	9.5	rem 2/1/11
1314	3.20	200	7.79	0.313	6.29	0.21	40.6	15.5		
1319	3.23	200	8.14	0.308	6.29	0.13	20.8	13.6		
1324	3.23	200	8.33	0.306	6.29	0.12	9.15	11.5		
1329	3.23	200	8.39	0.303	6.30	0.13	3.94	12.5		
1334	3.23	200	8.37	0.300	6.30	0.13	2.98	11.9		
1339	3.23	200	8.33	0.300	6.30	0.14	1.61	11.4		
1347	Samples Collected									

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

8	0.300	6.3	8.1	1.6	11
---	-------	-----	-----	-----	----

TEMP: nearest degree (ex. 10.1 = 10)
 COND: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.53 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER WATTERA OTHER _____
DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER _____
TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____
 S. STEEL PUMP MATERIAL PVC PUMP MATERIAL GEOPROBE SCREEN TEFLON BLADDER OTHER none OTHER _____
EQUIPMENT USED: WL METER Solinst PID WQ METER YSI 556 TURB. METER HACH 2100P PUMP Geopump OTHER _____
 FILTERS NO. _____ TYPE _____

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> SVOC	8270C	—	4°C	1L (2)	<input checked="" type="checkbox"/>	—	—
<input checked="" type="checkbox"/> VOC	8260B	—	HCL	40ml (2)	<input checked="" type="checkbox"/>	—	—
/ Bts							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NO-PURGE METHOD UTILIZED: YES NO
 NUMBER OF GALLONS GENERATED: 22.0 gal
 If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

LOCATION SKETCH

See updated Figure

Sampler Signature: Brandon Shein
 Checked By: Brandon Shein

Print Name: Ryan Markowski
 Date: 02-07-2011

LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134/04.01
 SAMPLE ID: 130056AWO15IOZ104 x x SAMPLE TIME: 1234

LOCATION ID: MW-15I DATE: 2/11
 START TIME: 1150 END TIME: 1240
 SITE NAME/NUMBER: Gent's Uniform PAGE: 1 OF 1

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER _____
 TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

WELL INTEGRITY

	YES	NO	N/A
CAP	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CASING LOCKED	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COLLAR	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

INITIAL DTW (BMP): 3.00 FT FINAL DTW (BMP): 3.07 FT PROT. CASING STICKUP (AGS): 1 FT
 WELL DEPTH (BMP): 24.25 FT SCREEN LENGTH: 10 FT PID AMBIENT AIR: 1 PPM
 WATER COLUMN: 21.25 FT DRAWDOWN VOLUME: 0.003 GAL PID WELL MOUTH: 1 PPM
 CALCULATED GAL/VOL: 0.57 GAL TOTAL VOL.: 1.833 GAL DRAWDOWN/TOTAL PURGED: 0.0016 PSI
(column X well diameter squared X 0.041) (initial DTW - final DTW X well diam. squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
<u>1156</u>	<u>BEGIN PURGING</u>									
<u>1201</u>	<u>3.03</u>	<u>235</u>	<u>10.69</u>	<u>0.147</u>	<u>6.11</u>	<u>0.79</u>	<u>58.3</u>	<u>101.3</u>	<u>21'</u>	
<u>1206</u>	<u>3.03</u>	<u>235</u>	<u>11.37</u>	<u>0.146</u>	<u>6.14</u>	<u>0.24</u>	<u>24.0</u>	<u>96.6</u>		
<u>1211</u>	<u>3.04</u>	<u>235</u>	<u>11.55</u>	<u>0.146</u>	<u>6.14</u>	<u>0.20</u>	<u>11.2</u>	<u>94.7</u>		
<u>1216</u>	<u>3.05</u>	<u>235</u>	<u>11.72</u>	<u>0.145</u>	<u>6.14</u>	<u>0.16</u>	<u>556</u>	<u>92.3</u>		
<u>1221</u>	<u>3.06</u>	<u>235</u>	<u>11.79</u>	<u>0.144</u>	<u>6.14</u>	<u>0.15</u>	<u>2.87</u>	<u>91.1</u>		
<u>1226</u>	<u>3.07</u>	<u>235</u>	<u>11.80</u>	<u>0.145</u>	<u>6.14</u>	<u>0.14</u>	<u>2.42</u>	<u>90.2</u>		
<u>1234</u>	<u>Samples Collected</u>									

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures(SF))

12 0.145 6.1 0.1 2.4 90.

TEMP.: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.53 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

<input checked="" type="checkbox"/> PERISTALTIC <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> BLADDER	<input checked="" type="checkbox"/> LIQUINOX <input type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER	<input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER	<input type="checkbox"/> S. STEEL PUMP MATERIAL <input type="checkbox"/> PVC PUMP MATERIAL <input type="checkbox"/> GEOPROBE SCREEN <input type="checkbox"/> TEFLON BLADDER <input checked="" type="checkbox"/> OTHER <u>none</u>	<input checked="" type="checkbox"/> WL METER <u>Solinst</u> <input type="checkbox"/> PID <input checked="" type="checkbox"/> WQ METER <u>YSI 556</u> <input checked="" type="checkbox"/> TURB. METER <u>Hach 2100</u> <input checked="" type="checkbox"/> PUMP <u>Geo pump (1150)</u> <input type="checkbox"/> OTHER <input type="checkbox"/> FILTERS NO. _____ TYPE _____
---	--	--	---	--

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> SVOC	<u>8270C</u>	<u>—</u>	<u>4°C</u>	<u>16(2)</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/> VOC	<u>8260B</u>	<u>—</u>	<u>HCL</u>	<u>40ml(2)</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NO-PURGE METHOD UTILIZED: YES NO
 NUMBER OF GALLONS GENERATED: 2.6 gal
 If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

LOCATION SKETCH

See updated Figure
RCM

Sampler Signature: [Signature] Print Name: Ryan Markowski
 Checked By: Brandon Shaw Date: 02-07-2011.

LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134/04.01
 SAMPLE ID: 130056.mw01602204xx SAMPLE TIME: 1517

LOCATION ID: MW-16 DATE: 2/1/11
 START TIME: 1411 END TIME: 1525
 SITE NAME/NUMBER: Gents Uniform PAGE: 1 OF 1

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER _____
 TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

WELL INTEGRITY
 YES NO N/A
 CAP
 CASING
 LOCKED
 COLLAR

INITIAL DTW (BMP): 3.47 FT FINAL DTW (BMP): 3.60 FT PROT. CASING STICKUP (AGS): _____ FT
 WELL DEPTH (BMP): 24.54 FT SCREEN LENGTH: 10 FT PID AMBIENT AIR: _____ PPM
 WATER COLUMN: 21.07 FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): 0.005 GAL
 CALCULATED GAL/VOL: 0.56 GAL TOTAL VOL. PURGED: 2.08 GAL PID WELL MOUTH: _____ PPM
 (column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL) DRAWDOWN/TOTAL PURGED: 0.002 PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1430										BEGIN PURGING
1435	3.55	200	9.24	0.172	6.01	0.89	38.9	124.7	~21'	
1440	3.55	200	10.00	0.172	5.97	0.67	*	123.5		
1445	3.55	200	10.57	0.169	5.96	0.50	8.76	126.1		
1450	3.56	200	10.84	0.167	5.96	0.43	5.09	124.7		
1455	3.56	200	10.96	0.164	5.96	1.24	4.12	124.8		
1500	3.57	200	11.07	0.164	5.94	0.77	3.08	125.4		
1505	3.59	200	11.11	0.165	5.93	0.76	2.34	126.0		
1510	3.60	200	11.16	0.165	5.92	0.70	1.96	126.2		
1517	Samples collected									

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures(SF))

11 0.165 5.9 2.7 2.0 126

TEMP.: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.53 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

<p>TYPE OF PUMP</p> <input checked="" type="checkbox"/> PERISTALTIC <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> BLADDER <input type="checkbox"/> WATERA <input type="checkbox"/> OTHER <input type="checkbox"/> OTHER	<p>DECON FLUIDS USED</p> <input checked="" type="checkbox"/> LIQUINOX <input type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER	<p>TUBING/PUMP/BLADDER MATERIALS</p> <input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input type="checkbox"/> HDPE TUBING <input type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER <input type="checkbox"/> OTHER	<p>EQUIPMENT USED</p> <input checked="" type="checkbox"/> WL METER <u>Solinst</u> <input type="checkbox"/> PID <input checked="" type="checkbox"/> WQ METER <u>VSL 556</u> <input checked="" type="checkbox"/> TURB. METER <u>Hatch 2100P</u> <input checked="" type="checkbox"/> PUMP <u>Geo Pump</u> <input type="checkbox"/> OTHER <input type="checkbox"/> OTHER FILTERS NO. _____ TYPE _____
---	--	--	---

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> SVOL	<u>8270 C</u>	<u>—</u>	<u>4°C</u>	<u>16(2)</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>—</u>
<input checked="" type="checkbox"/> VOC	<u>8260 B</u>	<u>—</u>	<u>HTL</u>	<u>40ml(2)</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>—</u>
<input checked="" type="checkbox"/> TAL Metals	<u>6010B/7470</u>	<u>—</u>	<u>HNO₃</u>	<u>500ml(1)</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>—</u>

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NO-PURGE METHOD UTILIZED: YES NO
 NUMBER OF GALLONS GENERATED: ~2 gal
 If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

LOCATION SKETCH

See updated figures

NOTES: * did not take -> talking / Brandon
 Sampler Signature: Brandon Shaw Print Name: Ryan Markowski
 Checked By: Brandon Shaw Date: 02-07-2011

LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134/04.01
 SAMPLE ID: 130056 MW-1RR-01904XA SAMPLE TIME: 15:35

LOCATION ID: MW-1RR DATE: 2/1/11
 START TIME: 1430 END TIME: 1600
 SITE NAME/NUMBER: 130056 PAGE: 1 OF 1

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER _____
 TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

WELL INTEGRITY

	YES	NO	N/A
CAP	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CASING LOCKED	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COLLAR	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

INITIAL DTW (BMP): 10.24 FT FINAL DTW (BMP): 10.24 FT PROT. CASING STICKUP (AGS): 0 FT TOC/TOR DIFFERENCE: 0.35 FT
 WELL DEPTH (BMP): 23.40 FT SCREEN LENGTH: 15' FT PID AMBIENT AIR: _____ PPM REFILL TIMER SETTING: _____ SEC
 WATER COLUMN: 13.2 FT DRAWDOWN VOLUME: _____ GAL PID WELL MOUTH: _____ PPM DISCHARGE TIMER SETTING: _____ SEC
 CALCULATED GAL/VOL: 8.6 GAL TOTAL VOL. PURGED: 1.7 GAL DRAWDOWN/TOTAL PURGED: _____ PSI
(column X well diameter squared X 0.041) (mL per minute X total minutes X 0.00026 gal/mL)

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
3-5 Minutes	0.0-0.33 ft Drawdown		(+/- 3 degrees)	(+/- 3%)	(+/- 0.1 units)	(+/- 10%)	(+/- 10% < 10 ntu)	(+/- 10 mv)		
<u>1438</u>	BEGIN PURGING									
<u>1445</u>	<u>10.38</u>	<u>240</u>	<u>13.0</u>	<u>.466</u>	<u>6.4</u>	<u>0.5</u>	<u>0.2</u>	<u>254</u>	<u>UNIK</u>	<u>1650</u>
<u>1450</u>	<u>10.27</u>	<u>150</u>	<u>13.3</u>	<u>.472</u>	<u>6.4</u>	<u>0.3</u>	<u>0.3</u>	<u>254</u>		<u>750</u>
<u>1455</u>	<u>10.29</u>	<u>125</u>	<u>12.8</u>	<u>.472</u>	<u>6.4</u>	<u>0.4</u>	<u>0.4</u>	<u>254</u>		
<u>1500</u>	<u>10.24</u>	<u>↓</u>	<u>11.9</u>	<u>.472</u>	<u>6.4</u>	<u>0.8</u>	<u>0.2</u>	<u>253</u>		
<u>1505</u>	<u>10.25</u>	<u>↓</u>	<u>11.8</u>	<u>.473</u>	<u>6.4</u>	<u>0.5</u>	<u>0.2</u>	<u>253</u>		<u>1875</u>
<u>1510</u>	<u>10.25</u>	<u>140</u>	<u>11.7</u>	<u>.473</u>	<u>6.4</u>	<u>0.5</u>	<u>0.2</u>	<u>252</u>		
<u>1515</u>	<u>10.24</u>	<u>↓</u>	<u>11.5</u>	<u>.473</u>	<u>6.4</u>	<u>0.5</u>	<u>0.2</u>	<u>252</u>		
<u>1520</u>	<u>10.24</u>	<u>↓</u>	<u>11.5</u>	<u>.472</u>	<u>6.4</u>	<u>0.5</u>	<u>0.3</u>	<u>252</u>		<u>2100</u>

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures(SF))

11.5 .472 6.4 0.5 0.3 250

TEMP: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.53 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER WATTERA OTHER _____
 DECON FLUIDS USED: LIQUINOX DEIONIZED WATER POTABLE WATER NITRIC ACID HEXANE METHANOL OTHER none
 TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING TEFLON TUBING TEFLON LINED TUBING HDPE TUBING LDPE TUBING OTHER _____
 S. STEEL PUMP MATERIAL PVC PUMP MATERIAL GEOPROBE SCREEN TEFLON BLADDER OTHER none
 EQUIPMENT USED: WL METER Solinst 104 PID APP Rac WQ METER YSI 532 TURB. METER Hvel 2100P PUMP Geopump OTHER 1901 FILTERS NO. 12 TYPE _____

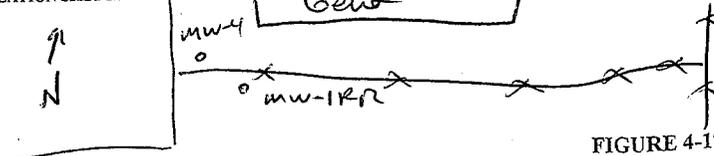
ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOC	<u>8200B</u>	<u>N</u>	<u>ICE</u>	<u>2x23ml</u>	<u>4</u>	<u>DUP</u>	<u>-</u>
<input checked="" type="checkbox"/> SWOC	<u>8270C</u>	<u>N</u>	<u>4°C</u>	<u>2x110C</u>	<u>4</u>	<u>DUP</u>	<u>-</u>
<u>BA</u>							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NO-PURGE METHOD UTILIZED: YES NO
 NUMBER OF GALLONS GENERATED: 265
 If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

LOCATION SKETCH



NOTES

PID head gave 2850 ppb
 Sampler Signature: Jerry Rawel
 Checked By: Jerry Rawel

Print Name: Jerry Rawel
 Date: 2/1/11

LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME: Gent Uniform
 PROJECT NUMBER: 3612092134/04.01
 SAMPLE ID: 130056 MW 2R2R 01704XX
 SAMPLE TIME: 1530

LOCATION ID: MW-2R2R
 DATE: 1/31/11
 START TIME: 1450
 END TIME: 1600
 SITE NAME/NUMBER: MW 130056
 PAGE: 1 OF 1

WELL DIAMETER (INCHES): 1 2 4 6 8 OTHER _____
 TUBING ID (INCHES): 1/8 1/4 3/8 1/2 5/8 OTHER _____
 MEASUREMENT POINT (MP): TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

WELL INTEGRITY
 YES NO N/A
 CAP:
 CASING LOCKED:
 COLLAR:

INITIAL DTW (BMP): 9.84 FT
 FINAL DTW (BMP): 9.85 FT
 PROT. CASING STICKUP (AGS): 0 FT
 WELL DEPTH (BMP): 21.95 FT
 SCREEN LENGTH: 15 FT
 PID AMBIENT AIR: _____ PPM
 WATER COLUMN: 12.11 FT
 DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041): 0.007 GAL
 PID WELL MOUTH: _____ PPM
 CALCULATED GAL/VOL (column X well diameter squared X 0.041): 7.9 GAL
 TOTAL VOL. PURGED: 2.1 GAL
 DRAWDOWN/TOTAL PURGED: 0.03
 TOC/TOR DIFFERENCE: 0.3 FT
 REFILL TIMER SETTING: _____ SEC
 DISCHARGE TIMER SETTING: _____ SEC
 PRESSURE TO PUMP: _____ PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)										PUMP INTAKE DEPTH (ft)	COMMENTS
TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)			
1455	BEGIN PURGING										
1500	9.84	170	11.4	310	6.5	5.1	1.0	187	VWK	550	
1505	9.92	180	12.3	320	6.4	4.3	0.6	190			
1510	9.91	180	12.2	331	6.4	4.2	0.3	190			
1515	9.87	↓	12.3	332	6.4	4.0	0.3	191			
1520	9.87	180	12.3	332	6.4	4.2	0.4	192			
1525	9.87	↓	12.3	330	6.4	4.0	0.3	192			
1530	9.86	↓	12.0	328	6.4	4.1	0.2	192		540	
1535	9.85	170	11.9	328	6.4	4.0	0.2	194		170	
1540	9.85	↓	11.8	328	6.4	4.0	0.3	194			

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures(SF))

TEMP: 11.8	COND: 328	pH: 6.4	DISS. O ₂ : 4.0	TURB: 0.3	REDOX: 190
------------	-----------	---------	----------------------------	-----------	------------

TEMP: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.53 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: PERISTALTIC SUBMERSIBLE BLADDER
 DECON FLUIDS USED: LIQUINOX, DEIONIZED WATER, POTABLE WATER, NITRIC ACID, HEXANE, METHANOL, OTHER: none
 TUBING/PUMP/BLADDER MATERIALS: SILICON TUBING, TEFLON TUBING, TEFLON LINED TUBING, HDPE TUBING, LDPE TUBING, OTHER: none
 EQUIPMENT USED: WL METER: Solinst 101, PID, WQ METER: YSI 660, TURB. METER: Tech 210 J4, PUMP: Geopump, OTHER: none, FILTERS: NO. 2 TYPE

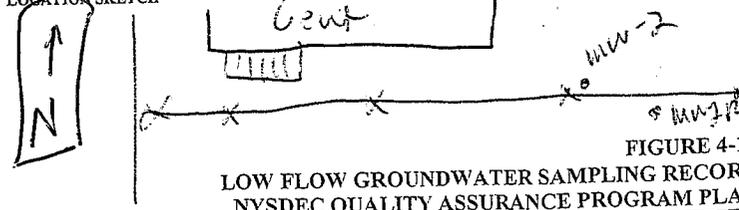
ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOL	52603	N	HCl	2x40ml	Y	N	-
<input checked="" type="checkbox"/> SVOC	53700	N	YC	251L	Y	N	-
<input type="checkbox"/> PA							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO
 NO-PURGE METHOD UTILIZED: YES NO
 NUMBER OF GALLONS GENERATED: ≈ 1.52 (1.5)
 If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

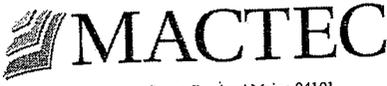
LOCATION SKETCH



NOTES

Sampler Signature: Jerry Rawcliffe
 Checked By: JCM 2/7/11
 Print Name: Jerry Rawcliffe
 Date: 1/31/11

LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME Gent Uniform	
PROJECT NUMBER 3612092134/04.01	
SAMPLE ID 130056 MW 4 MM OISEY XR	SAMPLE TIME 1541

LOCATION ID MW-4(MM)	DATE 2/2/11
START TIME 1440	END TIME 1550
SITE NAME/NUMBER Gents Uniform	PAGE 1 OF 1

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER _____

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

WELL INTEGRITY

CAP	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
CASING LOCKED	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COLLAR	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

INITIAL DTW (BMP) 7.42 FT	FINAL DTW (BMP) 7.43 FT	PROT. CASING STICKUP (AGS) _____ FT	TOC/TOR DIFFERENCE 0.75 FT
WELL DEPTH (BMP) 18.65 FT	SCREEN LENGTH Unknown FT	PID AMBIENT AIR _____ PPM	REFILL TIMER SETTING _____ SEC
WATER COLUMN 11.23 FT	DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041) 0.002 GAL	PID WELL MOUTH _____ PPM	DISCHARGE TIMER SETTING _____ SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041) 1.5009 GAL	TOTAL VOL. PURGED 3.042 GAL	DRAWDOWN/TOTAL PURGED 0.6007	PRESSURE TO PUMP _____ PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1446	BEGIN PURGING									
1451	7.43	260	10.69	0.587	7.10	1.50	232	2.2	~	
1456	7.43	260	11.54	0.606	6.90	0.27	354	-5.4		
1501	7.43	260	11.78	0.632	6.95	1.00	30.1	-21.6		
1506	7.43	260	11.83	0.653	7.05	0.26	17.4	-18.3		
1511	7.43	260	11.83	0.670	6.96	0.46	11.2	-20.0		
1516	7.43	260	11.86	0.678	7.02	0.44	11.0	-22.1		
1521	7.43	260	11.85	0.686	7.07	0.34	12.1	-25.1		
1526	7.43	260	11.85	0.689	7.04	0.32	11.8	-29.5		
1531	7.43	260	11.90	0.690	7.05	0.31	11.9	-31.3		
1541	Samples Collected									

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures(SF))

12	0.690	7.1	0.3	12	-31
----	-------	-----	-----	----	-----

TEMP.: nearest degree (ex. 10.1 = 10)
 COND.: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.53 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

<p>TYPE OF PUMP</p> <p><input checked="" type="checkbox"/> PERISTALTIC</p> <p><input type="checkbox"/> SUBMERSIBLE</p> <p><input type="checkbox"/> BLADDER</p> <p><input type="checkbox"/> WATERA</p> <p><input type="checkbox"/> OTHER</p> <p><input type="checkbox"/> OTHER</p>	<p>DECON FLUIDS USED</p> <p><input type="checkbox"/> LIQUINOX</p> <p><input type="checkbox"/> DEIONIZED WATER</p> <p><input type="checkbox"/> POTABLE WATER</p> <p><input type="checkbox"/> NITRIC ACID</p> <p><input type="checkbox"/> HEXANE</p> <p><input type="checkbox"/> METHANOL</p> <p><input checked="" type="checkbox"/> OTHER <i>none</i></p>	<p>TUBING/PUMP/BLADDER MATERIALS</p> <p><input checked="" type="checkbox"/> SILICON TUBING</p> <p><input type="checkbox"/> TEFLON TUBING</p> <p><input type="checkbox"/> TEFLON LINED TUBING</p> <p><input type="checkbox"/> HDPE TUBING</p> <p><input checked="" type="checkbox"/> LDPE TUBING</p> <p><input type="checkbox"/> OTHER</p> <p><input type="checkbox"/> OTHER</p>	<p>EQUIPMENT USED</p> <p><input checked="" type="checkbox"/> WL METER <i>Saint</i></p> <p><input type="checkbox"/> PID</p> <p><input checked="" type="checkbox"/> WQ METER <i>YSI 556</i></p> <p><input checked="" type="checkbox"/> TURB. METER <i>HACH 2100P</i></p> <p><input checked="" type="checkbox"/> PUMP <i>Geo Pump</i></p> <p><input type="checkbox"/> OTHER</p> <p><input type="checkbox"/> FILTERS NO. _____ TYPE _____</p>
--	---	--	--

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> SVOL	8270C	—	4°C	1L(2)	<input checked="" type="checkbox"/>	—	—
<input checked="" type="checkbox"/> VOL	8260B	—	HCL	40ml(2)	<input checked="" type="checkbox"/>	—	—
<input type="checkbox"/>							
<input type="checkbox"/>							

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED YES NO

NO-PURGE METHOD UTILIZED YES NO

NUMBER OF GALLONS GENERATED **~ 3 gal**

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

LOCATION SKETCH

See updated figure

Sampler Signature: *[Signature]*
 Checked By: *Brandon Shaw*

Print Name: *Ryan Markovsk*
 Date: *02-07-2011*

LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME Gent Uniform	
PROJECT NUMBER 3612092134/04.01	
SAMPLE ID 130056 MW 5MM 016042	SAMPLE TIME 1515

LOCATION ID MW-5MM	DATE 2/2/11
START TIME 1405	END TIME 1525
SITE NAME/NUMBER 130056	PAGE 1 OF 1

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER _____

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER _____

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER _____

WELL INTEGRITY

	YES	NO	N/A
CAP	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CASING LOCKED	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COLLAR	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

INITIAL DTW (BMP) <input type="text" value="5.48"/> FT	FINAL DTW (BMP) <input type="text" value="5.49"/> FT	PROT. CASING STICKUP (AGS) <input type="text" value="0"/> FT	TOC/TOR DIFFERENCE <input type="text" value="0.85"/> FT
WELL DEPTH (BMP) <input type="text" value="18.8"/> FT	SCREEN LENGTH <input type="text" value="UNK"/> FT	PID AMBIENT AIR <input type="text" value="—"/> PPM	REFILL TIMER SETTING <input type="text" value="—"/> SEC
WATER COLUMN <input type="text" value="13.3"/> FT	DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041) <input type="text" value="1.002"/> GAL	PID WELL MOUTH <input type="text" value="—"/> PPM	DISCHARGE TIMER SETTING <input type="text" value="—"/> SEC
CALCULATED GAL/VOL (column X well diameter squared X 0.041) <input type="text" value="1.922"/> GAL	TOTAL VOL. PURGED <input type="text" value="1.9"/> GAL	DRAWDOWN/TOTAL PURGED <input type="text" value="1.001"/>	PRESSURE TO PUMP <input type="text" value="—"/> PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)										
TIME 3-5 Minutes	DTW (FT) 0.0-0.33 ft Drawdown	PURGE RATE (mL/min)	TEMP. (°C) (+/- 3 degrees)	SP. CONDUCTANCE (mS/cm) (+/- 3%)	pH (units) (+/- 0.1 units)	DISS. O ₂ (mg/L) (+/- 10%)	TURBIDITY (ntu) (+/- 10% <10 ntu)	REDOX (mv) (+/- 10 mv)	PUMP INTAKE DEPTH (ft)	COMMENTS
1422										BEGIN PURGING
1426	5.48	200	10.5	1448	6.1	3.8	2.5	186	UNK	800
1430	5.48	210	11.1	1452	6.1	1.2	1.7	204		820
1435	5.48	160	11.2	1458	6.1	0.8	2.7	215		
1440	5.48		11.0	1468	6.1	0.9	4.2	222		
1445	5.48		11.0	1471	6.1	0.7	3.9	226		
1450	5.49	160	11.0	1476	6.1	0.7	4.5	229		
1455	5.49		10.9	1481	6.1	0.7	4.5	232		
1500	5.49		10.9	1485	6.1	0.7	3.5	233		
1505	5.49	160	10.9	1486	6.1	0.7	3.4	235		800

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures[SF])

TEMP: nearest degree (ex. 10.1 = 10)
 COND: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
 pH: nearest tenth (ex. 5.55 = 5.5)
 DO: nearest tenth (ex. 3.51 = 3.5)
 TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
 ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

<p>TYPE OF PUMP</p> <p><input checked="" type="checkbox"/> PERISTALTIC <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> BLADDER</p> <p><input type="checkbox"/> WATERA <input type="checkbox"/> OTHER</p>	<p>DECON FLUIDS USED</p> <p><input type="checkbox"/> LIQUINOX <input type="checkbox"/> DEIONIZED WATER <input type="checkbox"/> POTABLE WATER <input type="checkbox"/> NITRIC ACID <input type="checkbox"/> HEXANE <input type="checkbox"/> METHANOL <input type="checkbox"/> OTHER</p>	<p>TUBING/PUMP/BLADDER MATERIALS</p> <p><input checked="" type="checkbox"/> SILICON TUBING <input type="checkbox"/> TEFLON TUBING <input type="checkbox"/> TEFLON LINED TUBING <input type="checkbox"/> HDPE TUBING <input checked="" type="checkbox"/> LDPE TUBING <input type="checkbox"/> OTHER</p>	<p>EQUIPMENT USED</p> <p><input checked="" type="checkbox"/> WL METER <u>301inst 101</u> <input type="checkbox"/> PID <input checked="" type="checkbox"/> WQ METER <u>YSI 550 wps</u> <input checked="" type="checkbox"/> TURB. METER <u>Hach 2103D</u> <input checked="" type="checkbox"/> PUMP <u>Geopump</u> <input type="checkbox"/> OTHER <input type="checkbox"/> FILTERS NO. <u>4</u> TYPE _____</p>
--	--	--	--

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> VOC	8240B	N	HCl	2x40ml	Y	N	—
<input checked="" type="checkbox"/> SVOC	8270C	N	4°C	2x12AG	Y	N	—
/ <u>WTS</u>							

PURGE OBSERVATIONS

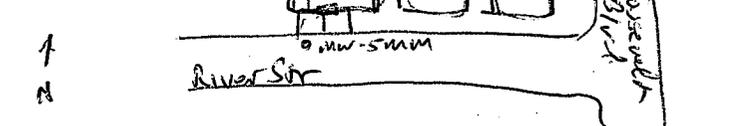
PURGE WATER CONTAINERIZED YES NO

NO-PURGE METHOD UTILIZED YES NO

NUMBER OF GALLONS GENERATED ~1.9

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

LOCATION SKETCH



NOTES

Sampler Signature: Jerry Rowcliffe Print Name: Jerry Rowcliffe

Checked By: Dem Date: 2/2/11

FIGURE 4-1
 LOW FLOW GROUNDWATER SAMPLING RECORD
 NYSDEC QUALITY ASSURANCE PROGRAM PLAN

LOW FLOW GROUNDWATER SAMPLING RECORD



511 Congress Street, Portland Maine 04101

PROJECT NAME Gent Uniform	
PROJECT NUMBER 3612092134/04.01	
SAMPLE ID 1300565W001XXXX04XX	SAMPLE TIME 1650

LOCATION ID SW-1	DATE 2/2/11
START TIME 1604	END TIME 1657
SITE NAME/NUMBER Gent Uniform	PAGE 1 OF 1

WELL DIAMETER (INCHES) 1 2 4 6 8 OTHER Spigot

TUBING ID (INCHES) 1/8 1/4 3/8 1/2 5/8 OTHER unknown

MEASUREMENT POINT (MP) TOP OF RISER (TOR) TOP OF CASING (TOC) OTHER none

INITIAL DTW (BMP) FT FINAL DTW (BMP) FT PROT. CASING STICKUP (AGS) FT

WELL DEPTH (BMP) FT SCREEN LENGTH FT PID AMBIENT AIR PPM

WATER COLUMN FT DRAWDOWN VOLUME (initial DTW - final DTW X well diam. squared X 0.041) GAL PID WELL MOUTH PPM

CALCULATED GAL/VOL (column X well diameter squared X 0.041) GAL TOTAL VOL. PURGED 450 GAL DRAWDOWN/TOTAL PURGED

WELL INTEGRITY
YES NO N/A

CAP _____

CASING LOCKED _____

COLLAR _____

TOC/TOR DIFFERENCE FT

REFILL TIMER SETTING SEC

DISCHARGE TIMER SETTING SEC

PRESSURE TO PUMP PSI

FIELD PARAMETERS WITH PROGRAM STABILIZATION CRITERIA (AS LISTED IN THE QAPP)

TIME	DTW (FT)	PURGE RATE (mL/min)	TEMP. (°C)	SP. CONDUCTANCE (mS/cm)	pH (units)	DISS. O ₂ (mg/L)	TURBIDITY (ntu)	REDOX (mv)	PUMP INTAKE DEPTH (ft)	COMMENTS	
3-5 Minutes	0.0-0.33 ft Drawdown		(+/- 3 degrees)	(+/- 3%)	(+/- 0.1 units)	(+/- 10%)	(+/- 10% <10 ntu)	(+/- 10 mv)			
1621										BEGIN PURGING	
1631		5 gal/min	11.99	0.282	7.08	6.73	0.43	41.3			
1636		20 gal/min	12.56	0.279	6.97	6.77	0.64	47.9			
1641			12.67	0.279	6.99	6.41	0.57	57.1			
1650			Samples collected → Reduced Rate to 2.16/min								

FINAL STABILIZED FIELD PARAMETERS (to appropriate significant figures(SF))

13 0.279 7.0 6.4 0.6 57

TEMP: nearest degree (ex. 10.1 = 10)
COND: 3 SF max (ex. 3333 = 3330, 0.696 = 0.696)
pH: nearest tenth (ex. 5.53 = 5.5)
DO: nearest tenth (ex. 3.51 = 3.5)
TURB: 3 SF max, nearest tenth (6.19 = 6.2, 101 = 101)
ORP: 2 SF (44.1 = 44, 191 = 190)

EQUIPMENT DOCUMENTATION

<p>TYPE OF PUMP</p> <p><input type="checkbox"/> PERISTALTIC</p> <p><input type="checkbox"/> SUBMERSIBLE</p> <p><input type="checkbox"/> BLADDER</p> <p><input checked="" type="checkbox"/> WATER</p> <p>OTHER <u>Faucet/Spigot</u></p>	<p>DECON FLUIDS USED</p> <p><input type="checkbox"/> LIQUINOX</p> <p><input type="checkbox"/> DEIONIZED WATER</p> <p><input type="checkbox"/> POTABLE WATER</p> <p><input type="checkbox"/> NITRIC ACID</p> <p><input type="checkbox"/> HEXANE</p> <p><input type="checkbox"/> METHANOL</p> <p>OTHER <u>none</u></p>	<p>TUBING/PUMP/BLADDER MATERIALS</p> <p><input type="checkbox"/> SILICON TUBING</p> <p><input type="checkbox"/> TEFLON TUBING</p> <p><input type="checkbox"/> TEFLON LINED TUBING</p> <p><input type="checkbox"/> HDPE TUBING</p> <p><input type="checkbox"/> LDPE TUBING</p> <p><input checked="" type="checkbox"/> OTHER <u>HOSE</u></p>	<p>EQUIPMENT USED</p> <p><input type="checkbox"/> S. STEEL PUMP MATERIAL</p> <p><input type="checkbox"/> PVC PUMP MATERIAL</p> <p><input type="checkbox"/> GEOPROBE SCREEN</p> <p><input type="checkbox"/> TEFLON BLADDER</p> <p><input checked="" type="checkbox"/> OTHER <u>none</u></p> <p>OTHER _____</p>
--	--	--	---

ANALYTICAL PARAMETERS

PARAMETER	METHOD NUMBER	FIELD FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
<input checked="" type="checkbox"/> SVOC	8270C	—	4°C	1L(2)	<input checked="" type="checkbox"/>	—	—
<input checked="" type="checkbox"/> VOC	8260B	—	HCL	40ml(2)	<input checked="" type="checkbox"/>	—	—
<input type="checkbox"/>							

PURGE OBSERVATIONS

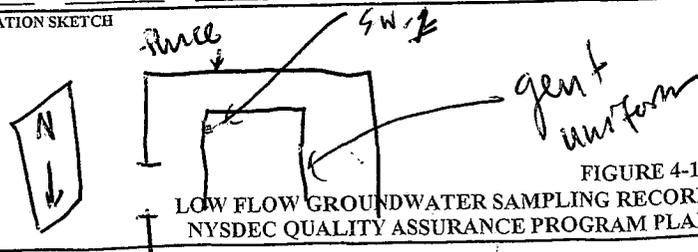
PURGE WATER CONTAINERIZED YES NO

NO-PURGE METHOD UTILIZED YES NO

NUMBER OF GALLONS GENERATED ~450 gal

If yes, purged approximately 1 standing volume prior to sampling or _____ mL for this sample location.

LOCATION SKETCH



NOTES: Bluish tint to the water

Sampler Signature: [Signature] Checked By: Brandon Shaw

Print Name: Ryan Mufsonsk Date: 02-07-2011

FIGURE 4-1
LOW FLOW GROUNDWATER SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROGRAM PLAN

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT NAME: Gents Uniform
 PROJECT NUMBER: 3612092134
 PROJECT LOCATION: Massapequa, NY
 WEATHER CONDITIONS (AM): Sunny 20-35°F calm
 WEATHER CONDITIONS (PM): Sunny 20°F

TASK NO: 04.01 DATE: 1/31/11
 MACTEC CREW: Ryan Mankowski & Brandon Shaw
 SAMPLER NAME: Jerry Rencidde
 SAMPLER SIGNATURE: [Signature]
 CHECKED BY: BAS DATE: 02-07-11

MULTI-PARAMETER WATER QUALITY METER

METER TYPE	YSI	AM CALIBRATION			
MODEL NO.	<u>556MP3</u>	Start Time	<u>0615</u>	End Time	<u>0630</u>
UNIT ID NO.	<u>102100323</u>	Standard Value	Meter Value	*Acceptance Criteria (AM)	
pH (4)	SU	4.0	<u>4.0</u>	+/- 0.1 pH Units	
pH (7)	SU	7.0	<u>7.0</u>	+/- 0.1 pH Units	
pH (10)	SU	10.0	<u>—</u>	+/- 0.1 pH Units	
Redox	+/- mV	240	<u>246</u>	+/- 10 mV	
Conductivity	mS/cm	1.413	<u>1.413</u>	+/- 0.5 % of standard	
DO (saturated)	%	100	<u>100.8</u>	+/- 2% of standard	
DO (saturated)	mg/L ¹ (see Chart 1)	<u>8.9</u>	<u>8.96</u>	+/- 0.2 mg/L	
DO (<0.1)	mg/L	<0.1	<u>—</u>	< 0.5 mg/L	
Temperature	°C		<u>21.10</u>		
Baro. Press.	mmHg		<u>760.8</u>		

POST CALIBRATION CHECK

Standard Value	Meter Value	*Acceptance Criteria (PM)
7.0	<u>7.04</u>	+/- 0.3 pH Units
240	<u>248</u>	+/- 10 mV
1.413	<u>1.450</u>	+/- 5% of standard
9.1	<u>8.96</u>	+/- 0.5 mg/L of standard
	<u>19.5</u>	
	<u>767.4</u>	

TURBIDITY METER

METER TYPE	HACH	Units	Standard Value	Meter Value	*Acceptance Criteria (PM)
MODEL NO.	<u>2100P</u>	<0.1 Standard	NTU	<u>0.26</u>	+/- 0.3 NTU of stan.
UNIT ID NO.	<u>3053</u>	20 Standard	NTU	<u>20.2</u>	+/- 5% of standard
		100 Standard	NTU	<u>960</u>	+/- 5% of standard
		800 Standard	NTU	<u>777</u>	+/- 5% of standard

PHOTOIONIZATION DETECTOR

METER TYPE	<u>Background</u>	ppmv	<0.1	<u>—</u>	<0.1	within 5 ppmv of BG
MODEL NO.	<u>—</u>					
UNIT ID NO.	<u>Span Gas</u>	ppmv	100	<u>—</u>	100	+/- 10% of standard

O₂-LEL 4 GAS METER

METER TYPE	<u>Methane</u>	%	50	<u>—</u>	50	+/- 10% of standard
MODEL NO.	<u>O₂</u>	%	20.9	<u>—</u>	20.9	+/- 10% of standard
UNIT ID NO.	<u>H₂S</u>	ppmv	25	<u>—</u>	25	+/- 10% of standard
	<u>CO</u>	ppmv	50	<u>—</u>	50	+/- 10% of standard

OTHER METER

METER TYPE	<u>—</u>					See Notes Below for Additional Information
MODEL NO.	<u>—</u>					
UNIT ID NO.	<u>—</u>					

Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.
 Equipment (not) calibrated within the Acceptance Criteria specified for each of the parameters listed above**.

MATERIALS RECORD

	Cal. Standard Lot Number	Exp. Date
Deionized Water Source: <u>Portland FOS</u>	pH (4) <u>2604143</u>	<u>2/12</u>
Lot#/Date Produced: _____	pH (7) <u>2003215</u>	<u>2/12</u>
Trip Blank Source: _____	pH (10) <u>—</u>	<u>—</u>
Sample Preservatives Source: _____	ORP <u>2282</u>	<u>3/15</u>
Disposable Filter Type: <u>0.45µm cellulose</u>	Conductivity <u>20010950</u>	<u>6/11</u>
Calibration Fluids / Standard Source:	<0.1 Turb. Stan. <u>A 9273</u>	<u>10/11</u>
- DO Calibration Fluid (<0.1 mg/L) <u>Portland FOS</u>	20 Turb. Stan. <u>A 0067</u>	<u>3/12</u>
- Other _____	100 Turb. Stan. <u>A 9274</u>	<u>10/11</u>
- Other _____	800 Turb. Stan. <u>A 0275</u>	<u>3/12</u>
- Other _____	PID Span Gas _____	
	O ₂ -LEL Span Gas _____	
	Other _____	

NOTES:

* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additional acceptance criteria obtained from instrument specific manufacturer recommendations.
 ** = If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.
 1 = DO Saturated standard value is calculated based on Oxygen Solubility at Indicated Pressure Chart from the USEPA Region 1 SOP for Field Instrument Calibration (EQASOP-FieldCalibrat), dated 1/19/2010.



FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT NAME: Gents Uniform
 PROJECT NUMBER: 3612092134
 PROJECT LOCATION: Massapequa, NY
 WEATHER CONDITIONS (AM): Dnk, 71°F, slight wind
 WEATHER CONDITIONS (PM): Dnk, 72°F, slight wind

TASK NO: 04.01 DATE: 1/31/11
 MACTEC CREW: Ryan Mankowski & Brandon Shaw
 SAMPLER NAME: Bryan Mankowski
 SAMPLER SIGNATURE: [Signature]
 CHECKED BY: [Signature] DATE: 02-07-11

MULTI-PARAMETER WATER QUALITY METER

METER TYPE	YSI	AM CALIBRATION			
MODEL NO.	556	Start Time	0630	End Time	0710
UNIT ID NO.	10E100326	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)
pH (4)	SU	4.0	4.00	+/- 0.1 pH Units	
pH (7)	SU	7.0	7.00	+/- 0.1 pH Units	
pH (10)	SU	10.0		+/- 0.1 pH Units	
Redox	+/- mV	240	240.2	+/- 10 mV	
Conductivity	mS/cm	1.413	1.413	+/- 0.5 % of standard	
DO (saturated)	%	100	100.2	+/- 2% of standard	
DO (saturated) mg/L	^{1 (see Chart 1)}	8.90	8.93	+/- 0.2 mg/L	
DO (<0.1)	mg/L	<0.1		< 0.5 mg/L	
Temperature	°C		20.99		
Baro. Press.	mmHg		766.1		

POST CALIBRATION CHECK
 Start Time 1831 / End Time 1900

Standard Value	Meter Value	*Acceptance Criteria (PM)
7.0	7.18	+/- 0.3 pH Units
240	235.7	+/- 10 mV
1.413	1.361	+/- 5% of standard
8.99	9.00	+/- 0.5 mg/L of standard
	20.40	
	767.0	

TURBIDITY METER

METER TYPE	HACH	Units	Standard Value	Meter Value	*Acceptance Criteria (PM)	
MODEL NO.	2100P	<0.1 Standard	NTU	<0.1	0.26	+/- 0.3 NTU of stan.
UNIT ID NO.	03053	20 Standard	NTU	20	20.2	+/- 5% of standard
		100 Standard	NTU	100	96.0	+/- 5% of standard
		800 Standard	NTU	800	777	+/- 5% of standard

PHOTOIONIZATION DETECTOR

METER TYPE	Background	ppmv	<0.1	<0.1	within 5 ppmv of BG
MODEL NO.					
UNIT ID NO.	Span Gas	ppmv	100	100	+/- 10% of standard

O₂-LEL 4 GAS METER

METER TYPE	Methane	%	50	50	+/- 10% of standard
MODEL NO.	O ₂	%	20.9	20.9	+/- 10% of standard
UNIT ID NO.	H ₂ S	ppmv	25	25	+/- 10% of standard
	CO	ppmv	50	50	+/- 10% of standard

OTHER METER

METER TYPE					See Notes Below for Additional Information
MODEL NO.					
UNIT ID NO.					

- Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.
 Equipment (not) calibrated within the Acceptance Criteria specified for each of the parameters listed above**.

MATERIALS RECORD

	Cal. Standard Lot Number	Exp. Date
Deionized Water Source: <u>Portland FOS</u>	pH (4) <u>2604173</u>	<u>Feb. 2012</u>
Lot#/Date Produced: _____	pH (7) <u>2003215</u>	<u>Feb. 2012</u>
Trip Blank Source: _____	pH (10) _____	
Sample Preservatives Source: _____	ORP <u>2262</u>	<u>03/2015</u>
Disposable Filter Type: <u>0.45µm cellulose</u>	Conductivity <u>20010950</u>	<u>June 2011</u>
Calibration Fluids / Standard Source:	<0.1 Turb. Stan. <u>A9273</u>	<u>10/11</u>
- DO Calibration Fluid (<0.1 mg/L) <u>Portland FOS</u>	20 Turb. Stan. <u>A0067</u>	<u>3/12</u>
- Other _____	100 Turb. Stan. <u>A9274</u>	<u>10/11</u>
- Other _____	800 Turb. Stan. <u>A0075</u>	<u>10/11</u>
- Other _____	PID Span Gas _____	
	O ₂ -LEL Span Gas _____	
	Other _____	

NOTES:

* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additional acceptance criteria obtained from instrument specific manufacturer recommendations.
 ** = If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.
 1 = DO Saturated standard value is calculated based on Oxygen Solubility at Indicated Pressure Chart from the USEPA Region 1 SOP for Field Instrument Calibration (EQASOP-FieldCalibrat), dated 1/19/2010.



FIGURE 6-1
 FIELD INSTRUMENT CALIBRATION RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT NAME: Gents Uniform
 PROJECT NUMBER: 3612092134
 PROJECT LOCATION: Massapequa, NY
 WEATHER CONDITIONS (AM): 10°F, overcast
 WEATHER CONDITIONS (PM): 25°F, dark

TASK NO: 04.01 DATE: 01-31-2011
 MACTEC CREW: Ryan Mankowski & Brandon Shaw
 SAMPLER NAME: _____
 SAMPLER SIGNATURE: Brandon Shaw
 CHECKED BY: RM DATE: 2/4/11

MULTI-PARAMETER WATER QUALITY METER

METER TYPE	AM CALIBRATION			
YSI	Start Time	0630 / End Time		0655
MODEL NO.	556			
UNIT ID NO.	4665			
Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	
pH (4)	SU 4.0	4.00	+/- 0.1 pH Units	
pH (7)	SU 7.0	7.01	+/- 0.1 pH Units	
pH (10)	SU 10.0	-	+/- 0.1 pH Units	
Redox	+/- mV 240	240.1	+/- 10 mV	
Conductivity	mS/cm 1.413	1.413	+/- 0.5 % of standard	
DO (saturated)	% 100	100.7	+/- 2% of standard	
DO (saturated)	mg/L ¹ (see Chart 1) 9.00	8.98	+/- 0.2 mg/L	
DO (<0.1)	mg/L <0.1	-	< 0.5 mg/L	
Temperature	°C	20.91		
Baro. Press.	mmHg	766.3		

POST CALIBRATION CHECK		
Start Time	2040 / End Time	
2105		
Standard Value	Meter Value	*Acceptance Criteria (PM)
4.0	4.04	
7.0	7.00	+/- 0.3 pH Units
240	238.6	+/- 10 mV
1.413	1.481	+/- 5% of standard
9.10	10.28	+/- 0.5 mg/L of standard
-	21.32	
-	767.8	

TURBIDITY METER

METER TYPE	Units	Standard Value	Meter Value	*Acceptance Criteria (PM)
HACH				
MODEL NO.	2100P			
UNIT ID NO.	14871-110			
<0.1 Standard	NTU	<0.1	0.18	+/- 0.3 NTU of stan.
20 Standard	NTU	20	20.9	+/- 5% of standard
100 Standard	NTU	100	101	+/- 5% of standard
800 Standard	NTU	800	831	+/- 5% of standard

PHOTOIONIZATION DETECTOR

METER TYPE	Background	ppmv	<0.1	
MODEL NO.				
UNIT ID NO.	Span Gas	ppmv	100	100
				within 5 ppmv of BG
				+/- 10% of standard

O₂-LEL 4 GAS METER

METER TYPE	Methane	%	50	
MODEL NO.	O ₂ <td>% <td>20.9</td> <td>20.9</td> </td>	% <td>20.9</td> <td>20.9</td>	20.9	20.9
UNIT ID NO.	H ₂ S	ppmv <td>25</td> <td>25</td>	25	25
	CO	ppmv <td>50</td> <td>50</td>	50	50
				+/- 10% of standard

OTHER METER

METER TYPE				
MODEL NO.				
UNIT ID NO.				
				See Notes Below for Additional Information

- Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.
 Equipment (not) calibrated within the Acceptance Criteria specified for each of the parameters listed above**.

MATERIALS RECORD

Deionized Water Source:	Portland FOS	Cal. Standard Lot Number	Exp. Date
Lot#/Date Produced:		pH (4) 2604143	02-12
Trip Blank Source:		pH (7) 2003215	02-12
Sample Preservatives Source:		pH (10) -	-
Disposable Filter Type:	0.45µm cellulose	ORP 2282	03-15
Calibration Fluids / Standard Source:		Conductivity 20010450	06-11
- DO Calibration Fluid (<0.1 mg/L)	Portland FOS	<0.1 Turb. Stan. A9273	10-11
- Other		20 Turb. Stan. A0067	03-12
- Other		100 Turb. Stan. A9274	10-11
- Other		800 Turb. Stan. A0075	10-11
		PID Span Gas -	-
		O ₂ -LEL Span Gas -	-
		Other -	-

NOTES:

* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additional acceptance criteria obtained from instrument specific manufacturer recommendations.
 ** = If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.
 1 = DO Saturated standard value is calculated based on Oxygen Solubility at Indicated Pressure Chart from the USEPA Region 1 SOP for Field Instrument Calibration (EQASOP-FieldCalibrat), dated 1/19/2010.



FIGURE 6-1
 FIELD INSTRUMENT CALIBRATION RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT NAME: Gents Uniform TASK NO: 04.01 DATE: 2/1/11
 PROJECT NUMBER: 3612092134 MACTEC CREW: Ryan Mankowski & Brandon Shaw
 PROJECT LOCATION: Massapequa, NY SAMPLER NAME: J. Rawicki
 WEATHER CONDITIONS (AM): Overcast, 25-30°F SAMPLER SIGNATURE: [Signature]
 WEATHER CONDITIONS (PM): Overcast, light rain/sleet drizzle 30-35°F CHECKED BY: PTS DATE: 02-07-11

MULTI-PARAMETER WATER QUALITY METER				AM CALIBRATION			POST CALIBRATION CHECK		
METER TYPE	YSI	Start Time	0615	End Time	0630	Start Time	2045	End Time	2100
MODEL NO.	556 mps	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)	Standard Value	Meter Value
UNIT ID NO.	102 102 3 23								
	Units								
	pH (4)	SU	4.0	4.02	+/- 0.1 pH Units				
	pH (7)	SU	7.0	6.99 7.0 (93)	+/- 0.1 pH Units	7.0	7.01	+/- 0.3 pH Units	
	pH (10)	SU	10.0		+/- 0.1 pH Units				
	Redox	+/- mV	240	239.5	+/- 10 mV	240	245.2	+/- 10 mV	
	Conductivity	ms/cm	1.413	1.427	+/- 0.5 % of standard	1.413	1.422	+/- 5% of standard	
	DO (saturated)	%	100	100.5	+/- 2% of standard				
	DO (saturated) mg/L	^{1 (see Chart 1)}	8.8	8.89	+/- 0.2 mg/L	9.1	8.82	+/- 0.5 mg/L of standard	
	DO (<0.1)	mg/L	<0.1	0.89	<0.5 mg/L				
	Temperature	°C		21.40			19.47		
	Baro. Press.	mmHg		763.7			762.9		

TURBIDITY METER				Standard Value			Meter Value		
METER TYPE	HACH	Units	Standard Value	Meter Value	Standard Value	Meter Value	*Acceptance Criteria (PM)	Standard Value	Meter Value
MODEL NO.	2100P								
UNIT ID NO.	3053	<0.1 Standard	NTU	<0.1	0.09	<0.1	0.08	+/- 0.3 NTU of stan.	
	PWC	20 Standard	NTU	20	19.1	20	18.9	+/- 5% of standard	
		100 Standard	NTU	100	101	100	100	+/- 5% of standard	
		800 Standard	NTU	800	776	800	783	+/- 5% of standard	

PHOTOIONIZATION DETECTOR				Background			Span Gas		
METER TYPE	PPB Kal	Background	ppmv	<0.1	0	<0.1	0	within 5 ppmv of BG	
MODEL NO.				10		100			
UNIT ID NO.	PIN#UNK	Span Gas	ppmv	100	10.01	100		+/- 10% of standard	

O ₂ -LEL 4 GAS METER				Methane			O ₂			H ₂ S			CO		
METER TYPE		Units	Standard Value	Meter Value	Standard Value	Meter Value	Standard Value	Meter Value							
MODEL NO.		%	50		50		50		20.9		20.9		25		
UNIT ID NO.		%	20.9		20.9		20.9		25		25		50		

OTHER METER				See Notes Below for Additional Information		
METER TYPE		Units	Standard Value	Meter Value	Standard Value	Meter Value
MODEL NO.						
UNIT ID NO.						

Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.
 Equipment (not) calibrated within the Acceptance Criteria specified for each of the parameters listed above**.

MATERIALS RECORD		Cal. Standard Lot Number	Exp. Date
Deionized Water Source:	Portland FOS	pH (4) 2604143	2/12
Lot#/Date Produced:		pH (7) 702 3265	2/12
Trip Blank Source:		pH (10) -	
Sample Preservatives Source:		ORP 2282	3/15
Disposable Filter Type:	0.45µm cellulose	Conductivity 20010950	6/11
Calibration Fluids / Standard Source:		<0.1 Turb. Stan. 89273	10/4
- DO Calibration Fluid (<0.1 mg/L)	Portland FOS	20 Turb. Stan. A0067	3/12
- Other		100 Turb. Stan. 89274	10/11
- Other		800 Turb. Stan. A0075	3/12
- Other		PID Span Gas	
		O ₂ -LEL Span Gas	
		Other	

NOTES:

* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additional acceptance criteria obtained from instrument specific manufacturer recommendations.
 ** = If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.
 1 = DO Saturated standard value is calculated based on Oxygen Solubility at Indicated Pressure Chart from the USEPA Region 1 SOP for Field Instrument Calibration (EQASOP-FieldCalibrat), dated 1/19/2010.

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT NAME: Gents Uniform TASK NO: 04.01 DATE: 2/1/11
 PROJECT NUMBER: 3612092134 MACTEC CREW: Ryan Mankowski & Brandon Shaw
 PROJECT LOCATION: Massapequa, NY SAMPLER NAME: Ryan Mankowski
 WEATHER CONDITIONS (AM): Slight wind, Dark 2240F, Slight SAMPLER SIGNATURE: [Signature]
 WEATHER CONDITIONS (PM): Slight wind, Slight, 25-30F overcast CHECKED BY: [Signature] DATE: 02-07-11

MULTI-PARAMETER WATER QUALITY METER

AM CALIBRATION				POST CALIBRATION CHECK			
METER TYPE	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
YSI							
MODEL NO.							
UNIT ID NO.							
Start Time <u>0600</u> / End Time <u>0620</u>					Start Time <u>1645</u> / End Time <u>1710</u>		
pH (4)	SU	4.0	<u>3.99</u>	+/- 0.1 pH Units			
pH (7)	SU	7.0	<u>7.00</u>	+/- 0.1 pH Units	7.0	<u>7.15</u>	+/- 0.3 pH Units
pH (10)	SU	10.0	<u>—</u>	+/- 0.1 pH Units			
Redox	+/- mV	240	<u>240.1</u>	+/- 10 mV	240	<u>230.8</u>	+/- 10 mV
Conductivity	mS/cm	1.413	<u>1.414</u>	+/- 0.5 % of standard	1.413	<u>1.412</u>	+/- 5% of standard
DO (saturated)	%	100	<u>100.5</u>	+/- 2% of standard			
DO (saturated)	mg/L ¹ (see Chart 1)	<u>9.00</u>	<u>8.81</u>	+/- 0.2 mg/L	<u>887</u>	<u>8.49</u>	+/- 0.5 mg/L of standard
DO (<0.1)	mg/L	<0.1	<u>—</u>	< 0.5 mg/L			
Temperature	°C		<u>21.90</u>			<u>20.76</u>	
Baro. Press.	mmHg		<u>764.2</u>			<u>760.2</u>	

TURBIDITY METER

METER TYPE	Units	Standard Value	Meter Value	*Acceptance Criteria (PM)
HACH				
MODEL NO.				
UNIT ID NO.				
<0.1 Standard	NTU	<0.1	<u>0.14</u>	+/- 0.3 NTU of stan.
20 Standard	NTU	20	<u>20.4</u>	+/- 5% of standard
100 Standard	NTU	100	<u>96.2</u>	+/- 5% of standard
800 Standard	NTU	800	<u>773</u>	+/- 5% of standard

PHOTOIONIZATION DETECTOR

METER TYPE	Background	ppmv	<0.1	<0.1	within 5 ppmv of BG
MODEL NO.					
UNIT ID NO.	Span Gas	ppmv	100	100	+/- 10% of standard

O₂-LEL 4 GAS METER

METER TYPE	Methane	%	50	50	+/- 10% of standard
MODEL NO.	O ₂	%	20.9	20.9	+/- 10% of standard
UNIT ID NO.	H ₂ S	ppmv	25	25	+/- 10% of standard
	CO	ppmv	50	50	+/- 10% of standard

OTHER METER

METER TYPE					See Notes Below for Additional Information
MODEL NO.					
UNIT ID NO.					

- Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.
 Equipment (not) calibrated within the Acceptance Criteria specified for each of the parameters listed above**.

MATERIALS RECORD

	Cal. Standard Lot Number	Exp. Date
Deionized Water Source: <u>Portland FOS</u>	pH (4) <u>2604143</u>	<u>Feb. 2012</u>
Lot#/Date Produced: _____	pH (7) <u>2003215</u>	<u>Feb. 2012</u>
Trip Blank Source: _____	pH (10) _____	_____
Sample Preservatives Source: _____	ORP <u>2282</u>	<u>03/2015</u>
Disposable Filter Type: <u>0.45µm cellulose</u>	Conductivity <u>20010950</u>	<u>June 2011</u>
Calibration Fluids / Standard Source:	<0.1 Turb. Stan. <u>A9273</u>	<u>10/11</u>
- DO Calibration Fluid (<0.1 mg/L) <u>Portland FOS</u>	20 Turb. Stan. <u>A0067</u>	<u>3/12</u>
- Other _____	100 Turb. Stan. <u>A9274</u>	<u>10/11</u>
- Other _____	800 Turb. Stan. <u>A0075</u>	<u>10/11</u>
- Other _____	PID Span Gas _____	_____
	O ₂ -LEL Span Gas _____	_____
	Other _____	_____

NOTES:

* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additional acceptance criteria obtained from instrument specific manufacturer recommendations.
 ** = If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.
 1 = DO Saturated standard value is calculated based on Oxygen Solubility at Indicated Pressure Chart from the USEPA Region 1 SOP for Field Instrument Calibration (EQASOP-FieldCalibrat), dated 1/19/2010.



FIGURE 6-1
FIELD INSTRUMENT CALIBRATION RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT NAME: Gents Uniform TASK NO: 04.01 DATE: 02-01-11
 PROJECT NUMBER: 3612092134 MACTEC CREW: Ryan Mankowski & Brandon Shaw
 PROJECT LOCATION: Massapequa, NY SAMPLER NAME: Brandon Shaw
 WEATHER CONDITIONS (AM): 20° F, sleet / snow SAMPLER SIGNATURE: _____
 WEATHER CONDITIONS (PM): 15° F, sleet. CHECKED BY: RLM DATE: 2/4/11

MULTI-PARAMETER WATER QUALITY METER

AM CALIBRATION					POST CALIBRATION CHECK		
METER TYPE	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
YSI							
MODEL NO. <u>556</u>					Start Time <u>2120</u>	End Time <u>2145</u>	
UNIT ID NO. <u>#665</u>							
pH (4)	SU	4.0	<u>4.00</u>	+/- 0.1 pH Units	4.0	<u>4.00</u>	
pH (7)	SU	7.0	<u>7.00</u>	+/- 0.1 pH Units	7.0	<u>7.03</u>	+/- 0.3 pH Units
pH (10)	SU	10.0	<u>—</u>	+/- 0.1 pH Units			
Redox	+/- mV	240	<u>2405</u>	+/- 10 mV	240	<u>239.6</u>	+/- 10 mV
Conductivity	ms/cm	1.413	<u>1.414</u>	+/- 0.5 % of standard	1.413	<u>1.426</u>	+/- 5% of standard
DO (saturated)	%	100	<u>100.5</u>	+/- 2% of standard		<u>104.7</u>	
DO (saturated)	mg/L ¹ (see Chart 1)	<u>8.40</u>	<u>8.44</u>	+/- 0.2 mg/L	<u>9.20</u>	<u>9.57</u>	+/- 0.5 mg/L of standard
DO (<0.1)	mg/L	<0.1	<u>—</u>	< 0.5 mg/L		<u>19.51</u>	
Temperature	°C		<u>24.10</u>			<u>76.4</u>	
Baro. Press.	mmHg		<u>764.2</u>			<u>76.4</u>	

TURBIDITY METER

METER TYPE	Units	Standard Value	Meter Value	*Acceptance Criteria (PM)
HACH				
MODEL NO. <u>2100P</u>				
UNIT ID NO. <u>14821</u>				
<0.1 Standard	NTU	<0.1	<u>0.19</u>	+/- 0.3 NTU of stan.
20 Standard	NTU	20	<u>21.0</u>	+/- 5% of standard
100 Standard	NTU	100	<u>101</u>	+/- 5% of standard
800 Standard	NTU	800	<u>798</u>	+/- 5% of standard

PHOTOIONIZATION DETECTOR

METER TYPE	Background	ppmv	<0.1	<0.1	within 5 ppmv of BG
MODEL NO. _____					
UNIT ID NO. _____	Span Gas	ppmv	100	100	+/- 10% of standard

O₂-LEL 4 GAS METER

METER TYPE	Methane	%	50	50	+/- 10% of standard
MODEL NO. _____	O ₂	%	20.9	20.9	+/- 10% of standard
UNIT ID NO. _____	H ₂ S	ppmv	25	25	+/- 10% of standard
	CO	ppmv	50	50	+/- 10% of standard

OTHER METER

METER TYPE	_____	_____	_____	_____	See Notes Below for Additional Information
MODEL NO.	_____	_____	_____	_____	
UNIT ID NO.	_____	_____	_____	_____	

- Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.
 Equipment (not) calibrated within the Acceptance Criteria specified for each of the parameters listed above**.

MATERIALS RECORD

		Cal. Standard Lot Number	Exp. Date
Deionized Water Source: <u>Portland FOS</u>		pH (4) <u>2604143</u>	<u>02-12</u>
Lot#/Date Produced: _____		pH (7) <u>2003215</u>	<u>02-12</u>
Trip Blank Source: _____		pH (10) _____	_____
Sample Preservatives Source: _____		ORP <u>2282</u>	<u>03-15</u>
Disposable Filter Type: <u>0.45µm cellulose</u>		Conductivity <u>20016950</u>	<u>06-11</u>
Calibration Fluids / Standard Source:		<0.1 Turb. Stan. <u>A9273</u>	<u>10-11</u>
- DO Calibration Fluid (<0.1 mg/L) <u>Portland FOS</u>		20 Turb. Stan. <u>A0067</u>	<u>03-12</u>
- Other _____		100 Turb. Stan. <u>A9274</u>	<u>10-11</u>
- Other _____		800 Turb. Stan. <u>A0073</u>	<u>10-11</u>
- Other _____		PID Span Gas _____	_____
		O ₂ -LEL Span Gas _____	_____
		Other _____	_____

NOTES:

* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additional acceptance criteria obtained from instrument specific manufacturer recommendations.
 ** = If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.
 1 = DO Saturated standard value is calculated based on Oxygen Solubility at Indicated Pressure Chart from the USEPA Region 1 SOP for Field Instrument Calibration (EQASOP-FieldCalibrat), dated 1/19/2010.



FIGURE 6-1
 FIELD INSTRUMENT CALIBRATION RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT NAME: Gents Uniform
 PROJECT NUMBER: 3612092134
 PROJECT LOCATION: Massapequa, NY
 WEATHER CONDITIONS (AM): Breezy rain
 WEATHER CONDITIONS (PM): Overcast 30°, breezy

TASK NO: 04.01 DATE: 3/2/11
 MACTEC CREW: Ryan Mankowski & Brandon Shaw
 SAMPLER NAME: Jerry Rancif
 SAMPLER SIGNATURE: [Signature]
 CHECKED BY: RAS DATE: 3/2/11

MULTI-PARAMETER WATER QUALITY METER

METER TYPE		AM CALIBRATION		
YSI		Start Time	End Time	
MODEL NO.	<u>550 MPS</u>	<u>0615</u>	<u>0635</u>	
UNIT ID NO.	<u>10E100323</u>			
Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	
pH (4) SU	4.0	<u>4.04</u>	+/- 0.1 pH Units	
pH (7) SU	7.0	<u>7.00</u>	+/- 0.1 pH Units	
pH (10) SU	10.0	<u>—</u>	+/- 0.1 pH Units	
Redox +/- mV	240	<u>242.2</u>	+/- 10 mV	
Conductivity mS/cm	1.413	<u>1.409</u>	+/- 0.5 % of standard	
DO (saturated) %	100	<u>99.2</u>	+/- 2% of standard	
DO (saturated) mg/L ¹ (see Chart 1)	<u>9.0</u>	<u>8.99</u>	+/- 0.2 mg/L	
DO (<0.1) mg/L	<0.1	<u>—</u>	<0.5 mg/L	
Temperature °C		<u>20.11</u>		
Baro. Press. mmHg		<u>753.7</u>		

POST CALIBRATION CHECK

Start Time		End Time	
<u>2015</u>	<u>2030</u>		
Standard Value	Meter Value	*Acceptance Criteria (PM)	
7.0	<u>7.08</u>	+/- 0.3 pH Units	
240	<u>237.4</u>	+/- 10 mV	
1.413	<u>1.417</u>	+/- 5% of standard	
<u>9.2</u>	<u>9.01</u>	+/- 0.5 mg/L of standard	
	<u>19.31</u>		
	<u>755.0</u>		

TURBIDITY METER

METER TYPE	Units	Standard Value	Meter Value	*Acceptance Criteria (PM)
<u>HACH</u>				
MODEL NO. <u>2100P</u>				
UNIT ID NO. <u>3053</u>				
<u>PINE</u>	<0.1 Standard	NTU	<0.1	<u>0.08</u>
	20 Standard	NTU	20	<u>19.1</u>
	100 Standard	NTU	100	<u>101</u>
	800 Standard	NTU	800	<u>780</u>

PHOTOIONIZATION DETECTOR

METER TYPE	Background	ppmv	<0.1	Meter Value	*Acceptance Criteria (PM)
<u>PPB Rae</u>				<u>0</u>	within 5 ppmv of BG
MODEL NO. <u>—</u>					
UNIT ID NO. <u>PINE #100</u>	Span Gas	ppmv	<u>10 100</u>	<u>10.15</u>	+/- 10% of standard

O₂-LEL 4 GAS METER

METER TYPE	Methane	%	50	Meter Value	*Acceptance Criteria (PM)
<u>—</u>				<u>—</u>	+/- 10% of standard
MODEL NO. <u>—</u>	O ₂	%	20.9	<u>—</u>	+/- 10% of standard
UNIT ID NO. <u>—</u>	H ₂ S	ppmv	25	<u>—</u>	+/- 10% of standard
	CO	ppmv	50	<u>—</u>	+/- 10% of standard

OTHER METER

METER TYPE	Standard Value	Meter Value	*Acceptance Criteria (PM)
<u>—</u>			See Notes Below for Additional Information
MODEL NO. <u>—</u>			
UNIT ID NO. <u>—</u>			

- Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.
 Equipment (not) calibrated within the Acceptance Criteria specified for each of the parameters listed above**.

MATERIALS RECORD

Deionized Water Source: Portland FOS
 Lot#/Date Produced: _____
 Trip Blank Source: _____
 Sample Preservatives Source: _____
 Disposable Filter Type: 0.45µm cellulose
 Calibration Fluids / Standard Source:
 - DO Calibration Fluid (<0.1 mg/L) Portland FOS
 - Other _____
 - Other _____
 - Other _____

	Cal. Standard Lot Number	Exp. Date
pH (4)	<u>2604143</u>	<u>2/12</u>
pH (7)	<u>2003215</u>	<u>2/12</u>
pH (10)	<u>—</u>	<u>—</u>
ORP	<u>2282</u>	<u>3/15</u>
Conductivity	<u>20010950</u>	<u>6/11</u>
<0.1 Turb. Stan.	<u>A9273</u>	<u>10/11</u>
20 Turb. Stan.	<u>A0007</u>	<u>3/12</u>
100 Turb. Stan.	<u>A9274</u>	<u>10/11</u>
800 Turb. Stan.	<u>A0075</u>	<u>3/12</u>
PID Span Gas	<u>—</u>	<u>—</u>
O ₂ -LEL Span Gas	<u>—</u>	<u>—</u>
Other	<u>—</u>	<u>—</u>

NOTES:

* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additional acceptance criteria obtained from instrument specific manufacturer recommendations.

** = If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.

1 = DO Saturated standard value is calculated based on Oxygen Solubility at Indicated Pressure Chart from the USEPA Region 1 SOP for Field Instrument Calibration (EQASOP-FieldCalibrat), dated 1/19/2010.



FIGURE 6-1
 FIELD INSTRUMENT CALIBRATION RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT NAME: Gents Uniform TASK NO: 04.01 DATE: 2/2/11
 PROJECT NUMBER: 3612092134 MACTEC CREW: Ryan Mankowski & Brandon Shaw
 PROJECT LOCATION: Massapequa, NY SAMPLER NAME: Ryan Mankowski
 WEATHER CONDITIONS (AM): 72.5°F, Dry, Slightly, Slight wind SAMPLER SIGNATURE: [Signature]
 WEATHER CONDITIONS (PM): 52.2°F, Sleet, Dark, Slight wind CHECKED BY: BAE DATE: 02-07-11

MULTI-PARAMETER WATER QUALITY METER						
AM CALIBRATION			POST CALIBRATION CHECK			
METER TYPE	Model No.	Unit ID No.	Start Time	End Time		
YSI	<u>556</u>	<u>106106326</u>	<u>0602</u>	<u>0630</u>	<u>1820</u> / <u>1840</u>	
Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	Standard Value	Meter Value	*Acceptance Criteria (PM)
pH (4) SU	4.0	<u>4.01</u>	+/- 0.1 pH Units			
pH (7) SU	7.0	<u>7.01</u>	+/- 0.1 pH Units	7.0	<u>7.06</u>	+/- 0.3 pH Units
pH (10) SU	10.0	<u>—</u>	+/- 0.1 pH Units			
Redox +/- mV	240	<u>240.2</u>	+/- 10 mV	240	<u>-238.4</u>	+/- 10 mV
Conductivity mS/cm	1.413	<u>1.413</u>	+/- 0.5 % of standard	1.413	<u>1.424</u>	+/- 5% of standard
DO (saturated) %	100	<u>99.2</u>	+/- 2% of standard			
DO (saturated) mg/L ¹ (see Chart 1)	<u>8.82</u>	<u>8.82</u>	+/- 0.2 mg/L	<u>8.94</u>	<u>6.86</u>	+/- 0.5 mg/L of standard
DO (<0.1) mg/L	<0.1	<u>—</u>	<0.5 mg/L			
Temperature °C		<u>21.11</u>			<u>20.19</u>	
Baro. Press. mmHg		<u>754.0</u>			<u>749.4</u>	

TURBIDITY METER							
METER TYPE	Model No.	Unit ID No.	Units	Standard Value	Meter Value	*Acceptance Criteria (PM)	
HACH	<u>2100P</u>	<u>03053</u>	<0.1 Standard	NTU	<0.1	<u>0.20</u>	+/- 0.3 NTU of stan.
			20 Standard	NTU	20	<u>20.4</u>	+/- 5% of standard
			100 Standard	NTU	100	<u>95.1</u>	+/- 5% of standard
			800 Standard	NTU	800	<u>781</u>	+/- 5% of standard

PHOTOIONIZATION DETECTOR						
METER TYPE	Model No.	Unit ID No.	Background	Span Gas	ppmv	*Acceptance Criteria (PM)
					<0.1	within 5 ppmv of BG
					100	+/- 10% of standard

O ₂ -LEL 4 GAS METER							
METER TYPE	Model No.	Unit ID No.	Methane	O ₂	H ₂ S	CO	*Acceptance Criteria (PM)
			%	50			+/- 10% of standard
			%	20.9			+/- 10% of standard
			ppmv	25			+/- 10% of standard
			ppmv	50			+/- 10% of standard

OTHER METER						
METER TYPE	Model No.	Unit ID No.				See Notes Below for Additional Information

Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.
 Equipment (not) calibrated within the Acceptance Criteria specified for each of the parameters listed above**.

MATERIALS RECORD		Cal. Standard Lot Number	Exp. Date
Deionized Water Source:	<u>Portland FOS</u>	pH (4) <u>2604145</u>	<u>Feb. 2012</u>
Lot#/Date Produced:		pH (7) <u>2003215</u>	<u>Feb. 2012</u>
Trip Blank Source:		pH (10) <u>—</u>	
Sample Preservatives Source:		ORP <u>2282</u>	<u>03/2015</u>
Disposable Filter Type:	<u>0.45µm cellulose</u>	Conductivity <u>20010950</u>	<u>JUNE 2011</u>
Calibration Fluids / Standard Source:		<0.1 Turb. Stan. <u>A9273</u>	<u>10/11</u>
- DO Calibration Fluid (<0.1 mg/L)	<u>Portland FOS</u>	20 Turb. Stan. <u>A0067</u>	<u>3/12</u>
- Other		100 Turb. Stan. <u>A9274</u>	<u>10/11</u>
- Other		800 Turb. Stan. <u>A0075</u>	<u>10/11</u>
- Other		PID Span Gas	
		O ₂ -LEL Span Gas	
		Other	

NOTES:
 * Turb Meter was out of Cal. During the PM Cal. Check
 ** Out of Acceptance Criteria

* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additional acceptance criteria obtained from instrument specific manufacturer recommendations.
 ** = If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.
 1 = DO Saturated standard value is calculated based on Oxygen Solubility at Indicated Pressure Chart from the USEPA Region 1 SOP for Field Instrument Calibration (EQASOP-FieldCalibrat), dated 1/19/2010.

FIELD INSTRUMENTATION CALIBRATION RECORD

PROJECT NAME: Gents Uniform
 PROJECT NUMBER: 3612092134
 PROJECT LOCATION: Massapequa, NY
 WEATHER CONDITIONS (AM): 29°F; 10 in g/sleet.
 WEATHER CONDITIONS (PM): 31°F; 1.5 in rain

TASK NO: 64.01 DATE: 02-02-11
 MACTEC CREW: Ryan Mankowski & Brandon Shaw
 SAMPLER NAME: Brandon Shaw
 SAMPLER SIGNATURE: [Signature]
 CHECKED BY: RLM DATE: 2/4/11

MULTI-PARAMETER WATER QUALITY METER

METER TYPE	YSI	AM CALIBRATION			
MODEL NO.	556	Start Time	0625	End Time	0650
UNIT ID NO.	6605				
	Units	Standard Value	Meter Value	*Acceptance Criteria (AM)	
pH (4)	SU	4.0	4.00	+/- 0.1 pH Units	
pH (7)	SU	7.0	7.00	+/- 0.1 pH Units	
pH (10)	SU	10.0		+/- 0.1 pH Units	
Redox	+/- mV	240	240.3	+/- 10 mV	
Conductivity	mS/cm	1.413	1.414	+/- 0.5 % of standard	
DO (saturated)	%	100	98.9	+/- 2% of standard	
DO (saturated)	mg/L ¹ (see Chart 1)	8.75	8.63	+/- 0.2 mg/L	
DO (<0.1)	mg/L	<0.1		< 0.5 mg/L	
Temperature	°C		21.79		
Baro. Press.	mmHg		754.1		

POST CALIBRATION CHECK			
Start Time	1840	End Time	1900
Standard Value	Meter Value	*Acceptance Criteria (PM)	
4.0	4.01		
7.0	7.02	+/- 0.3 pH Units	
240	237.8	+/- 10 mV	
1.413	1.427	+/- 5% of standard	
* 8.75	92.3%	+/- 0.5 mg/L of standard	
	8.67		
	20.70		
	750.7		

TURBIDITY METER

METER TYPE	HACH	Units	Standard Value	Meter Value	*Acceptance Criteria (PM)
MODEL NO.	2100P				
UNIT ID NO.	14871	<0.1 Standard	NTU	<0.1	0.12
		20 Standard	NTU	20	20.3
		100 Standard	NTU	100	100
		800 Standard	NTU	800	792

PHOTOIONIZATION DETECTOR

METER TYPE	Background	ppmv	<0.1		<0.1	within 5 ppmv of BG
MODEL NO.						
UNIT ID NO.	Span Gas	ppmv	100		100	+/- 10% of standard

O₂-LEL & GAS METER

METER TYPE	Methane	%	50		50	+/- 10% of standard
MODEL NO.	O ₂ <td>% <td>20.9</td> <td></td> <td>20.9</td> <td>+/- 10% of standard</td> </td>	% <td>20.9</td> <td></td> <td>20.9</td> <td>+/- 10% of standard</td>	20.9		20.9	+/- 10% of standard
UNIT ID NO.	H ₂ S	ppmv	25		25	+/- 10% of standard
	CO	ppmv	50		50	+/- 10% of standard

OTHER METER

METER TYPE						See Notes Below for Additional Information
MODEL NO.						
UNIT ID NO.						

- Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.
 Equipment (not) calibrated within the Acceptance Criteria specified for each of the parameters listed above**.

MATERIALS RECORD

	Cal. Standard Lot Number	Exp. Date
Deionized Water Source: <u>Portland FOS</u>	pH (4) <u>2604143</u>	<u>02-12</u>
Lot#/Date Produced: _____	pH (7) <u>2003215</u>	<u>02-12</u>
Trip Blank Source: _____	pH (10) _____	_____
Sample Preservatives Source: _____	ORP <u>2282</u>	<u>03-15</u>
Disposable Filter Type: <u>0.45µm cellulose</u>	Conductivity <u>20010950</u>	<u>06-11</u>
Calibration Fluids / Standard Source:	<0.1 Turb. Stan. <u>A9273</u>	<u>10-11</u>
- DO Calibration Fluid (<0.1 mg/L) <u>Portland FOS</u>	20 Turb. Stan. <u>A0067</u>	<u>03-12</u>
- Other _____	100 Turb. Stan. <u>A9274</u>	<u>10-11</u>
- Other _____	800 Turb. Stan. <u>A0075</u>	<u>10-11</u>
- Other _____	PID Span Gas _____	_____
	O ₂ -LEL Span Gas _____	_____
	Other _____	_____

NOTES:

* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additional acceptance criteria obtained from instrument specific manufacturer recommendations.

** = If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.

1 = DO Saturated standard value is calculated based on Oxygen Solubility at Indicated Pressure Chart from the USEPA Region 1 SOP for Field Instrument Calibration (EQASOP-FieldCalibrat), dated 1/19/2010.



FIGURE 6-1
 FIELD INSTRUMENT CALIBRATION RECORD
 NYSDEC QUALITY ASSURANCE PROJECT PLAN

FIELD INSTRUMENTATION CALIBRATION RECORD - PORTLAND FOS

Please Retain For Project Records

PROJECT NAME: Gent Uniform DATE: 1/28/11 TIME: —
 PROJECT NUMBER: 3612092134/04.01 CALIBRATED BY: R

MULTI-PARAMETER WATER QUALITY METER		METER TYPE	YSI	MODEL NO.	556	UNIT ID NO.	10D101665
	Units	Standard Value	Meter Value	Acceptance Criteria*	Cal. Standard Lot #	Exp. Date	
pH (4)	SU	4.0	<u>4.00</u>	+/- 0.1 pH Units	<u>2004143</u>	<u>2/2012</u>	
pH (7)	SU	7.0	<u>7.00</u>	+/- 0.1 pH Units	<u>2003215</u>	<u>2/2012</u>	
pH (10)	SU	10.0	<u>—</u>	+/- 0.1 pH Units	<u>—</u>	<u>—</u>	
Redox	+/- mV	240	<u>240</u>	+/- 10 mV	<u>2282</u>	<u>3/2015</u>	
Conductivity	mS/cm	1.413	<u>1.413</u>	+/- 3% of standard	<u>20010950</u>	<u>6/2011</u>	
DO (saturated)	%	100	<u>99.4</u>	+/- 2% of standard	DO Cal. Solution Source	Prep. Date	
DO (saturated)	mg/L ¹	—	<u>—</u>	+/- 0.2 mg/L	Portland FOS	—	
DO (<0.1)	mg/L	<0.1	<u>—</u>	<0.5 mg/L			
Baro. Press.	mmHg	—	<u>—</u>		NIST Serial #	Certificate #	
Temperature	°C	<u>19.9</u>	<u>19.20</u>	+/- 0.2 °C	4F2160	2448.01	

TURBIDITY METER		METER TYPE	HACH	MODEL NO.	2100P	UNIT ID NO.	
	mg/L ¹				Cal. Standard Lot #	Exp. Date	
<0.1 Standard	NTU	<0.1	<u>Rem</u>	w/in 0.3 NTU			
20 Standard	NTU	20	<u>Rem</u>	+/- 5% of standard			
100 Standard	NTU	100	<u>Rem</u>	+/- 5% of standard			
800 Standard	NTU	800	<u>Rem</u>	+/- 5% of standard			

PHOTOIONIZATION DETECTOR		METER TYPE		MODEL NO.		UNIT ID NO.	
Background (BG)	ppmv	<0.1	<u>Rem</u>	2/4/11	within 5 ppmv of BG	Cal. Standard Lot #	Exp. Date
Span Gas	ppmv	100	<u>Rem</u>		+/- 10% of standard		

O ₂ -LEL 4 GAS METER		METER TYPE		MODEL NO.		UNIT ID NO.	
Methane	%	50	<u>Rem</u>	2/4/11	+/- 10% of standard	Cal. Standard Lot #	Exp. Date
O ₂	%	20.9	<u>Rem</u>		+/- 10% of standard		
H ₂ S	ppmv	25	<u>Rem</u>		+/- 10% of standard		
CO	ppmv	50	<u>Rem</u>		+/- 10% of standard		

- Equipment calibrated within the Acceptance Criteria specified for each of the parameters listed above.
 Equipment (not) calibrated within the Acceptance Criteria** specified for each of the parameters listed above.

NOTES:



* = Unless otherwise noted, calibration procedures and acceptance criteria are in general accordance with USEPA Region 1 SOPs for Field Instrument Calibration (EQASOP-FieldCalibrat) and Low Stress Purging and Sampling (EQASOP-GW001), each dated 1/19/2010. Additional acceptance criteria obtained from instrument specific manufacturer recommendations.

** = If meter reading is not within acceptance criteria, clean/replace probe and re-calibrate, or use calibrated back-up meter if available. If project requirements necessitate use of the instrument, clearly document any deviations from acceptance criteria on all data sheets and log book entries.

¹ = DO Saturated standard value is calculated based on Oxygen Solubility at Indicated Pressure Chart from the USEPA Region 1 SOP for Field Instrument Calibration (EQASOP-FieldCalibrat), dated 1/19/2010.

APPENDIX E-7

SUMMA CERTIFICATE OF ANALYSIS RECORDS



Air Sampling Media Certificate of Analysis

Company Name: MACTEC-ME Project Reference: -

Contact Name: Brandon Shaw Date Analyzed: 2/16/10

Certification Type: *Batch Certified* *Individual Certified*

Media Type: *Summa Canister* *Tubes*
Flow Controllers *Other*

Media IDs: BC1671/3416 _____

Note: *Two ID's grouped together, for example BC1136/BC3145, represents matched pairs of certified summa canisters and flow controllers.*

Units: PPBv Ug/M3 Ng Other

<0.08	Propylene	<0.02	o-1,2-Dichloroethylene	<0.02	Toluene
<0.02	Dichlorodifluoromethane	<0.08	Vinyl acetate	<0.02	2-Hexanone (MBK)
<0.02	Chloromethane	<0.02	Hexane	<0.02	Dibromochloromethane
<0.02	Freon 114	<0.02	Ethyl acetate	<0.02	1,2-Dibromomethane
<0.02	Vinyl chloride	<0.02	Chloroform	<0.02	Tetrachloroethylene
<0.04	1,3-Butadiene	<0.02	Tetrahydrofuran	<0.02	Chlorobenzene
<0.02	Bromomethane	<0.02	1,2-Dichloroethylene	<0.02	Ethylbenzene
<0.02	Chloroethane	<0.02	1,1,1-Trichloroethane	<0.04	m,p-Xylenes
<0.08	Acetone	<0.02	Benzene	<0.02	Bromoform
<0.02	Trichlorofluoromethane	<0.02	Carbon Tetrachloride	<0.02	Styrene
<0.08	Ethanol	<0.02	Cyclohexane	<0.02	o-Xylene
<0.02	1,1-Dichloroethylene	<0.02	1,2-Dichloropropane	<0.02	1,1,2,2-Tetrachloroethane
0.25	Methylene chloride	<0.02	Bromodichloromethane	<0.02	4-Ethyltoluene
<0.02	Freon 113	<0.02	Trichloroethylene	<0.02	1,3,5-Trimethylbenzene
<0.02	Carbon disulfide	<0.02	1,4-Dioxane	<0.02	1,2,4-Trimethylbenzene
<0.02	t-1,2-Dichloroethylene	<0.02	Heptane	<0.02	1,3-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	MIBK	<0.02	Benzyl chloride
<0.02	Methyl tert-butyl Ether	<0.02	c-1,3-Dichloropropylene	<0.02	1,4-Dichlorobenzene
0.15	Isopropanol	<0.02	t-1,3-Dichloropropylene	<0.02	1,2-Dichlorobenzene
<0.04	2-Butanone (MEK)	<0.02	1,1,2-Trichloroethylene	<0.02	1,2,4-Trichlorobenzene
				<0.02	Hexachlorobutadiene

Special Notes: _____

Analyst Initials/Date: TPH 2/18-10



Air Sampling Media Certificate of Analysis

Company Name: MACTEC-ME Project Reference: -

Contact Name: Brandon Shaw Date Analyzed: 2/16/10

Certification Type: *Batch Certified* *Individual Certified*

Media Type: *Summa Canister* *Tubes*
Flow Controllers *Other*

Media IDs: BC1851/3090 _____

Note: *Two ID's grouped together, for example BC1136/BC3145, represents matched pairs of certified summa canisters and flow controllers.*

Units: PPBv Ug/M3 Ng Other

<0.08	Propylene	<0.02	c-1,2-Dichloroethylene	0.03	Toluene
<0.02	Dichlorodifluoromethane	<0.08	Vinyl acetate	<0.02	2-Hexanone (MBK)
<0.02	Chloromethane	<0.02	Hexane	<0.02	Dibromchloromethane
<0.02	Freon 114	<0.02	Ethyl acetate	<0.02	1,2-Dibromomethane
<0.02	Vinyl chloride	<0.02	Chloroform	<0.02	Tetrachloroethylene
<0.04	1,3-Butadiene	<0.02	Tetrahydrofuran	<0.02	Chlorobenzene
<0.02	Bromomethane	<0.02	1,2-Dichloroethylene	<0.02	Ethylbenzene
<0.02	Chloroethane	<0.02	1,1,1-Trichloroethane	<0.04	m,p-Xylenes
0.10	Acetone	<0.02	Benzene	<0.02	Bromoform
<0.02	Trichlorofluoromethane	<0.02	Carbon Tetrachloride	<0.02	Styrene
<0.08	Ethanol	<0.02	Cyclohexane	<0.02	o-Xylene
<0.02	1,1-Dichloroethylene	<0.02	1,2-Dichloropropane	<0.02	1,1,2,2-Tetrachloroethane
0.37	Methylene chloride	<0.02	Bromodichloromethane	<0.02	4-Ethyltoluene
<0.02	Freon 113	<0.02	Trichloroethylene	<0.02	1,3,5-Trimethylbenzene
<0.02	Carbon disulfide	<0.02	1,4-Dioxane	<0.02	1,2,4-Trimethylbenzene
<0.02	t-1,2-Dichloroethylene	0.04	Heptane	<0.02	1,3-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	MIBK	<0.02	Benzyl chloride
<0.02	Methyl tert-butyl Ether	<0.02	c-1,3-Dichloropropylene	<0.02	1,4-Dichlorobenzene
<0.04	Isopropanol	<0.02	t-1,3-Dichloropropylene	<0.02	1,2-Dichlorobenzene
0.04	2-Butanone (MEK)	<0.02	1,1,2-Trichloroethylene	<0.02	1,2,4-Trichlorobenzene
				<0.02	Hexachlorobutadiene

Special Notes: _____

Analyst Initials/Date: TPH 2-18-10

APPENDIX F

DUSR AND VALIDATED LABORATORY RESULTS

**DATA USABILITY SUMMARY REPORT
OCT 2009 AND JAN 2010 MONITORING WELL SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK**

1.0 INTRODUCTION

Groundwater samples were collected during sampling events complete in October 2009 and January 2010, at the Gent Uniform Rental Service Site (Site) in Massapequa, New York and submitted for analysis to Accutest Laboratories located in Marlborough, Massachusetts. Results were reported in Sample Delivery Groups (SDGs): M86895, M88581, and M88678. A listing of samples included in this Data Usability Summary Report is presented in Table 1. A summary of the analytical results is presented in Table 2. Samples were analyzed for one or more of the following parameters:

- Volatile organic compounds (VOCs) by USEPA Method 8260B
- Semivolatile organic compounds (SVOC) by USEPA Method 8270C
- Metals by USEPA Method 6010B/7470
- Dissolved gases (methane, ethane, ethene, carbon dioxide) by Method RSK-147/175
- Nitrate/Nitrite Method 353.2
- Chloride and sulfide by Method SM21 4500
- Alkalinity by Method SM21 2320B
- TOC by Method SM21 5310B
- Sulfate by Method ASTM516-90.02

Deliverables for the off-site laboratory analyses included a Category B deliverable as defined in the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols (NYSDEC, 2005).

A project chemist review was completed based on NYSDEC Division of Environmental Remediation guidance for Data Usability Summary Reports (NYSDEC, 2002) for SDGs M86895, M88581, and M88678. Laboratory QC limits were used during the data evaluation unless noted otherwise. The project chemist review included evaluations of sample collection, data package completeness, holding times, QC data (blanks, instrument calibrations, duplicates, surrogate recovery, internal standard response, and spike recovery), data transcription, electronic data reporting, calculations, and data qualification.

The following laboratory or data validation qualifiers are used in the final data presentation.

U = target analyte is not detected at the reported detection limit

UJ = target analyte is not detected at the reported detection limit and is estimated

R = target analyte result is rejected

Results are interpreted to be usable as reported by the laboratory unless discussed in the following sections.

The sample identification for the sample originally reported as 130056SW002XXX01XX was incorrectly entered on the Chain of Custody. The correct sample identification should have been 130056SW001XXX01XX. The Chain of Custody and Report of Analysis for this sample were manually corrected in the hardcopy data package and associated data files during data validation.

2.0 VOCs

VOC - Initial and Continuing Calibration

SDG M86895

The continuing calibration standard (analyzed November 10, 2009) associated with a subset of samples had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Dichlorodifluoromethane	26	UJ	All samples in SDG M86895
Chloromethane	24	UJ	
Methyl acetate	42	UJ	
Methylene chloride	38	UJ	
2-Butanone	26	UJ	
Isopropylbenzene	-29	J/UJ	
Methylcyclohexane	-24	J/UJ	
1,4-Dioxane	-25	UJ	
2-Hexanone	37	UJ	

Positive and non-detected results for these analytes were qualified as estimated (J/UJ) in all samples of SDG M86895 as indicated in the above table.

SDG M88581

The continuing calibration standard (analyzed January 13, 2010) associated with a subset of samples had a percent difference greater than the control limit of 20 for 1,4-dioxane (20.4). 1,4-Dioxane was not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) in samples 130056MW00401602XX, 130056MW00601802XX, 130056MW00601802XD, 130056MW00701702XX, 130056MW08103502XX, 130056MW08S01602XX, 130056MW08D07002XX, 130056MW00903502XX, 130056MW01002502XX, 130056MW01102502XX, and 130056MW1RR01902XX.

The continuing calibration standard (analyzed January 15, 2010) associated with sample 130056MW2RR01702XX had a percent difference greater than the control limit of 20 for 2-butanone (-22). 2-Butanone was not detected in the associated sample, and the quantitation limit for 2-butanone was qualified as estimated (UJ) in sample 130056MW2RR01702XX.

SDG M88678

The continuing calibration standard (analyzed January 15, 2010) associated with a subset of samples had a percent difference greater than the control limit of 20 for 2-butanone (-22). 2-Butanone was not detected in the associated samples and quantitation limits were qualified as estimated (UJ) in samples 130056MW00301502XX, 130056MW03A08602XX,

130056MW03B05302XX, 130056MW03B05302XD, 130056MW03C05002XX,
130056MW03D06202XX, 130056AS00502202XX, 130056MW4MM01502XX,
130056MW5MM01602XX, and 130056SW001XXX02XX.

The continuing calibration standard (analyzed January 18, 2010) associated with sample 130056MW00201402XX had percent differences greater than the control limit of 20 for 2-butanone (-24) and 1,2,3-trichlorobenzene (-26). 2-Butanone and 1,2,3-trichlorobenzene were not detected in the sample, and quantitation limits were qualified as estimated (UJ) in sample 130056MW00201402XX.

VOC - Laboratory Control Samples

SDG M86895

Percent recoveries of acetone (69), chloromethane (64), and dichlorodifluoromethane (61) were below control limits in the laboratory control sample analyzed on November 10, 2009. Acetone, chloromethane, and dichlorodifluoromethane were not detected in the associated samples, and quantitation limits for these analytes were qualified as estimated (UJ) in all samples of SDG M86895.

VOC - Matrix Spikes

SDG M86895

Matrix spike and matrix spike duplicate (MS/MSD) analyses were performed on sample 130056AS00502201XX. Percent recoveries for acetone (50, 51), 2-butanone (64, 66) and 2-hexanone (63, 61) were below control limits. Acetone, 2-butanone, and 2-hexanone were not detected in the sample and quantitation limits were qualified as estimated (UJ) in 130056AS00502201XX.

SDG M88581

MS/MSD analyses were performed on sample 130056MW01002502XX. Percent recoveries for acetone (55, 52) and 2-hexanone (69) were below control limits. Acetone and 2-hexanone were not detected in the sample and quantitation limits were qualified as estimated (UJ) in 130056MW01002502XX.

MS/MSD analyses were performed on sample 130056MW01102502XX. Percent recoveries for acetone (50, 50) were below control limits. Acetone was not detected in the sample and the quantitation limit was qualified as estimated (UJ) in 130056MW01102502XX.

SDG M88678

MS/MSD analyses were performed on sample 130056MW00301502XX. Percent recoveries for acetone (53, 49) and 2-hexanone (68) were below control limits. Acetone and 2-hexanone were not detected in the sample and quantitation limits were qualified as estimated (UJ) in 130056MW00301502XX.

VOC - Tentatively Identified Compounds

Tentatively identified compounds (TICs) reported in samples are summarized on Table 3.

SDG M86895

TICs were reported in sample 130056MW4MM01501XX. TICs included substituted alkanes (pentane, butane, hexane) and substituted benzenes. No TICs were reported in any of the other VOC samples in SDG M86895.

SDG M88678

TICs were reported in sample 130056MW4MM01502XX. TICs included substituted alkanes (butane, pentane, hexane, cyclohexane) and substituted benzenes. No TICs were reported in any of the other VOC samples in SDG M88678.

3.0 SVOCs

SVOC - Initial and Continuing Calibration

SDG M86895

The continuing calibration standard (analyzed November 7, 2009) had percent differences greater than the control limit of 20 for benzaldehyde (-31), bis(2-chloroethyl)ether (-47), bis(2-chloroethoxy)methane (-42), acenaphthylene (22), 3-nitroaniline (22), and 2,4-dinitrophenol (26). These analytes were not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) in the following samples: 130056MW00201401XX, 130056MW00301501XX, 130056MW00401601XX, 130056AS00502201XX, 130056MW1RR01901XX, and 130056MW2RR01901XX.

SDG M88581

The initial calibration (analyzed January 19, 2010) had percent relative standard deviations greater than 15 and correlation coefficients less than 0.995 for hexachlorocyclopentadiene (0.992) and di-n-octylphthalate (0.992). These analytes were not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) in all samples in SDG M88581.

SDG M88678

The initial calibration (analyzed January 19, 2010) had percent relative standard deviations greater than 15 and correlation coefficients less than 0.995 for hexachlorocyclopentadiene (0.992) and di-n-octylphthalate (0.992). These analytes were not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) in all samples in SDG M88678.

The continuing calibration standard (analyzed January 21, 2010) had a percent difference greater than the control limit of 20 for caprolactum (-25). Caprolactum was not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) in samples 130056MW03A08602XX, 130056MW03B05302XX, 130056MW03B05302XD, 130056MW03C05002XX, 130056MW03D06202XX, 130056MW4MM01502XX, 1300565MM01602XX, 130056SW001XXX02XX, and 130056MW00201402XX.

The continuing calibration standard (analyzed January 22, 2010) had percent differences greater than 20 for caprolactum (-220), 4-nitroaniline (-21), and benzo(k)fluoranthene (-20.4). These

analytes were not detected in the associated sample, and quantitation limits were qualified as estimated (UJ) in sample 130056AS00502202XX.

SVOC – Surrogates

SDG M88678

Percent recovery of the surrogate phenol-d5 (5) in sample 130056AS00502202XX was below the control limits and less than 10 indicating potential low biases or false negative reporting for acid extractable target analytes. All acid fraction target analytes were reported non-detected and were qualified as rejected (R) based on the surrogate recovery below 10: 2-chlorophenol, 4-chloro-3-methylphenol, 2,4-dichlorophenol, 2,4-dimethylphenol, 2,4-dinitrophenol, 4,6-dinitro-o-cresol, 2-methylphenol, 3&4-methylphenol, 2-nitrophenol, 4-nitrophenol, pentachlorophenol, phenol, 2,4,5-trichlorophenol, and 2,4,6-trichlorophenol.

SVOC - Laboratory Control Samples

SDG M88678

Percent recovery of 4-chloroaniline (32) was below the laboratory control limits indicating a potential low bias. 4-Chloroaniline was not detected in the samples, and quantitation limits were qualified as estimated (UJ) in all samples in SDG M88678.

SVOC – Matrix Spikes

SDG M86895

MS/MSD analyses were performed on sample 130056AS00502201XX. Percent recoveries for 4-chloroaniline (36) and 3-nitroaniline (38) were below laboratory limits indicating potential low biases. These analytes were not detected in sample 130056AS00502201XX, and quantitation limits were qualified as estimated (UJ).

SDG M88581

MS/MSD analyses were performed on sample 130056MW01002502XX. Percent recoveries for caprolactam (35), 4-chloroaniline (35, 30), 3,3'-dichlorobenzidine (17, 13), and 3-nitroaniline (38) were below laboratory control limits indicating potential low biases. These analytes were not detected in sample 130056MW01002502XX, and quantitation limits were qualified as estimated (UJ).

MS/MSD analyses were performed on sample 130056MW01102502XX. Percent recoveries of caprolactam (37, 38) were below laboratory control limits indicating a potential low bias. Caprolactam was not detected in sample 130056MW01102502XX, and the quantitation limit was qualified as estimated (UJ).

SVOC - Tentatively Identified Compounds

TICs reported in samples are summarized on Table 3. VOC target compounds tetrachloroethene and ethyl benzene were reported as tentatively identified compounds (TICs) in one or more SVOC samples. In some cases these compounds may also be reported as target compound detections in the corresponding VOC samples. Due to the limited scope of the DUSR evaluation

these TICs were left as reported, with blank contaminants and GC/MS artifacts being the only TICs removed during validation.

SDG M86895

TICs were reported in samples 130056MW00401601XX (2,6-dibromophenol), 130056MW1RR01901XX (tetrachloroethene), and 130056MW4MM01501XX (ethyl benzene, substituted benzenes).

SDG M88581

TICs were reported in samples 130056MW08501602XX (4-nonylphenol and dibenzocycloheptene) and 130056MW2RR01702XX (substituted alcohol).

SDG M88678

TICs were reported in samples 130056MW03A08602XX, 130056MW03B05302XX, and 130056MW4MM01502XX. Compounds are primarily hydrocarbons and substituted benzenes indicative of fuels.

SVOC – Sample Reporting Limits

SDG M88678

Sample 130056AS00502202XX was analyzed at a five-fold dilution due to matrix interference. The dilution resulted in elevated reporting limits (5X) for non-detected target analytes.

4.0 Metals

The results for all quality control parameters were within control limits and sample results are interpreted to be usable as reported by the laboratory.

5.0 Dissolved Gases

The results for all quality control parameters were within control limits and sample results are interpreted to be usable as reported by the laboratory.

6.0 Wet Chemistry

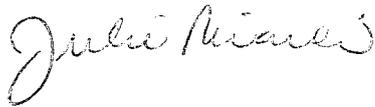
The results for all quality control parameters were within control limits and sample results are interpreted to be usable as reported by the laboratory.

Reference:

New York State Department of Environmental Conservation (NYSDEC), 2005. "Analytical Services Protocols"; July 2005.

New York State Department of Environmental Conservation (NYSDEC), 2002. "Technical Guidance for Site Investigation and Remediation-Appendix 2B"; Draft DER-10; Division of Environmental Remediation; December 2002.

Data Validator: Julie Ricardi



Date: March 15, 2010

Reviewed by Chris Ricardi, NRCC-EAC
Quality Assurance Officer



Date: May 11, 2010

TABLE 1
SUMMARY OF SAMPLES AND ANALYTICAL METHODS
DATA USABILITY SUMMARY REPORT
OCT 2009 AND JAN 2010 MONITORING WELL SAMPLING PROGRAM
IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPECQUA, NEW YORK

SDG	Media	Location	Sample ID	Sample Date	Class Analysis Method Fracture Qc Code	VOC SW8260B	SVOC SW8270C	Metals SW6010B	Metals SW7470A	Methane/Ethane/Ethene RSK-175	Chloride SM214500	Nitrate Nitrite EPA3532	Sulfate ASTM516	Sulfide SM214500	TOC SM215310	Total Alkalinity SM212320	Solids SM212540
M86895	GW	AS-5	130056AS00502201XX	10/27/2009	FS	X											
M86895	GW	MW-1 (RR)	130056MW1RR01901XX	10/27/2009	FS	X	X	X									
M86895	GW	MW-2	130056MW00201401XX	10/27/2009	FS	X	X										
M86895	GW	MW-2 (RR)	130056MW2RR01901XX	10/27/2009	FS	X	X										
M86895	GW	MW-3	130056MW00301501XD	10/28/2009	FD	X	X										
M86895	GW	MW-3	130056MW00301501XX	10/28/2009	FS	X	X										
M86895	GW	MW-4	130056MW00401601XX	10/27/2009	FS	X	X										
M86895	GW	MW-4 (MM)	130056MW4MM01501XX	10/27/2009	FS	X	X										
M86895	GW	MW-5 (MM)	130056MW5MM01601XX	10/27/2009	FS	X	X										
M86895	GW	SW-1	130056SW001XX01XX	10/28/2009	FS	X	X										
M86895	BW	QC	130056TB001	10/27/2009	TB	X											
M86581	GW	MW-1 (RR)	130056MW1RR01902XX	1/11/2010	FS	X	X	X									
M86581	GW	MW-10	130056MW01002502XX	1/12/2010	FS	X	X							X			
M86581	GW	MW-11	130056MW01102502XX	1/12/2010	FS	X	X										
M86581	GW	MW-2 (RR)	130056MW2RR01702XX	1/11/2010	FS	X	X										
M86581	GW	MW-4	130056MW00401602XX	1/12/2010	FS	X	X										
M86581	GW	MW-6	130056MW00601802XD	1/12/2010	FD	X	X							X			
M86581	GW	MW-6	130056MW00601802XX	1/12/2010	FS	X	X										
M86581	GW	MW-7	130056MW00701702XX	1/12/2010	FS	X	X										
M86581	GW	MW-8D	130056MW08D07002XX	1/11/2010	FS	X	X										
M86581	GW	MW-8I	130056MW08I03502XX	1/12/2010	FS	X	X										
M86581	GW	MW-8S	130056MW08S01602XX	1/11/2010	FS	X	X										
M86581	GW	MW-9	130056MW00903502XX	1/12/2010	FS	X	X										
M86581	BW	QC	130056TB010	1/11/2010	TB	X											
M86678	GW	MW-2	130056MW00201402XX	1/13/2010	FS	X	X										
M86678	GW	MW-3	130056MW00301502XX	1/13/2010	FS	X	X										
M86678	GW	MW-3A	130056MW03A08602XX	1/14/2010	FS	X	X										
M86678	GW	MW-3B	130056MW03B05302XD	1/14/2010	FD	X	X										
M86678	GW	MW-3B	130056MW03B05302XX	1/14/2010	FS	X	X										
M86678	GW	MW-3C	130056MW03C05002XX	1/14/2010	FS	X	X										
M86678	GW	MW-3D	130056MW03D06202XX	1/14/2010	FS	X	X										
M86678	GW	MW-4 (MM)	130056MW4MM01502XX	1/13/2010	FS	X	X										
M86678	GW	MW-5	130056AS00502202XX	1/14/2010	FS	X	X										
M86678	BW	QC	130056TB011	1/13/2010	TB	X											
M86678	WW	MW-5 (MM)	130056MW5MM01602XX	1/13/2010	FS	X	X										
M86678	WW	SW-1	130056SW001XX02XX	1/13/2010	FS	X	X										

FOOTNOTES:

QC CODE

FS = field sample, FD = field duplicate, TB = trip blank

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
 DATA USABILITY SUMMARY REPORT
 OCT 2009 AND JAN 2010 MONITORING WELL SAMPLING PROGRAM
 REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M86895		M86895		M86895		M86895	
Location			AS-5		MW-1 (RR)		MW-2		MW-2 (RR)	
Sample Date			10/27/2009		10/27/2009		10/27/2009		10/27/2009	
Sample ID			130056AS00502201XX		130056MW1RR01901XX		130056MW00201401XX		130056MW2RR01901XX	
Qc Code			FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8468260B	1,1,1-Trichloroethane	ug/l		1 U		1 U		1 U		1 U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l		1 U		1 U		1 U		1 U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l		5 U		5 U		5 U		5 U
SW8468260B	1,1,2-Trichloroethane	ug/l		1 U		1 U		1 U		1 U
SW8468260B	1,1-Dichloroethane	ug/l		1 U		1 U		1 U		1 U
SW8468260B	1,1-Dichloroethene	ug/l		1 U		1 U		1 U		1 U
SW8468260B	1,2,3-Trichlorobenzene	ug/l		5 U		5 U		5 U		5 U
SW8468260B	1,2,4-Trichlorobenzene	ug/l		5 U		5 U		5 U		5 U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l		5 U		5 U		5 U		5 U
SW8468260B	1,2-Dibromoethane	ug/l		2 U		2 U		2 U		2 U
SW8468260B	1,2-Dichlorobenzene	ug/l		1 U		1 U		1 U		1 U
SW8468260B	1,2-Dichloroethane	ug/l		1 U		1 U		1 U		1 U
SW8468260B	1,2-Dichloropropane	ug/l		2 U		2 U		2 U		2 U
SW8468260B	1,3-Dichlorobenzene	ug/l		1 U		1 U		1 U		1 U
SW8468260B	1,4-Dichlorobenzene	ug/l		1 U		1 U		1 U		1 U
SW8468260B	1,4-Dioxane	ug/l		25 UJ		25 UJ		25 UJ		25 UJ
SW8468260B	2-Butanone	ug/l		5 UJ		5 UJ		5 UJ		5 UJ
SW8468260B	2-Hexanone	ug/l		5 UJ		5 UJ		5 UJ		5 UJ
SW8468260B	4-Methyl-2-pentanone	ug/l		5 U		5 U		5 U		5 U
SW8468260B	Acetic acid, methyl ester	ug/l		5 UJ		5 UJ		5 UJ		5 UJ
SW8468260B	Acetone	ug/l		5 UJ		5 UJ		5 UJ		5 UJ
SW8468260B	Benzene	ug/l		0.5 U		0.5 U		0.5 U		0.5 U
SW8468260B	Bromochloromethane	ug/l		5 U		5 U		5 U		5 U
SW8468260B	Bromodichloromethane	ug/l		1 U		1 U		1 U		1 U
SW8468260B	Bromoform	ug/l		1 U		1 U		1 U		1 U
SW8468260B	Bromomethane	ug/l		2 U		2 U		2 U		2 U
SW8468260B	Carbon disulfide	ug/l		5 U		5 U		5 U		5 U
SW8468260B	Carbon tetrachloride	ug/l		1 U		1 U		1 U		1 U
SW8468260B	Chlorobenzene	ug/l		1 U		1 U		1 U		1 U
SW8468260B	Chlorodibromomethane	ug/l		1 U		1 U		1 U		1 U
SW8468260B	Chloroethane	ug/l		2 U		2 U		2 U		2 U
SW8468260B	Chloroform	ug/l		1 U		1.2		2.9		3
SW8468260B	Chloromethane	ug/l		2 UJ		2 UJ		2 UJ		2 UJ
SW8468260B	Cis-1,2-Dichloroethene	ug/l		1 U		21.1		3.3		1 U
SW8468260B	cis-1,3-Dichloropropene	ug/l		0.5 U		0.5 U		0.5 U		0.5 U
SW8468260B	Cyclohexane	ug/l		5 U		5 U		5 U		5 U
SW8468260B	Dichlorodifluoromethane	ug/l		2 UJ		2 UJ		2 UJ		2 UJ
SW8468260B	Ethyl benzene	ug/l		1 U		1 U		1 U		1 U
SW8468260B	Isopropylbenzene	ug/l		5 UJ		5 UJ		5 UJ		5 UJ
SW8468260B	Methyl cyclohexane	ug/l		5 UJ		5 UJ		5 UJ		5 UJ
SW8468260B	Methyl Tertbutyl Ether	ug/l		1.3		1 U		1 U		1 U
SW8468260B	Methylene chloride	ug/l		2 U		2 U		2 U		2 U
SW8468260B	Styrene	ug/l		5 U		5 U		5 U		5 U
SW8468260B	Tetrachloroethene	ug/l		1 U		387		1.8		3.6
SW8468260B	Toluene	ug/l		1 U		1 U		1 U		1 U
SW8468260B	trans-1,2-Dichloroethene	ug/l		1 U		1 U		1 U		1 U
SW8468260B	trans-1,3-Dichloropropene	ug/l		0.5 U		0.5 U		0.5 U		0.5 U
SW8468260B	Trichloroethene	ug/l		1 U		53.7		1.9		1 U
SW8468260B	Trichlorofluoromethane	ug/l		1 U		1 U		1 U		1 U
SW8468260B	Vinyl chloride	ug/l		1 U		1 U		1 U		1 U
SW8468260B	Xylenes, Total	ug/l		1 U		1 U		1 U		1 U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
 DATA USABILITY SUMMARY REPORT
 OCT 2009 AND JAN 2010 MONITORING WELL SAMPLING PROGRAM
 REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M86895		M86895		M86895		M86895	
Location			MW-3		MW-3		MW-4		MW-4 (MM)	
Sample Date			10/28/2009		10/28/2009		10/27/2009		10/27/2009	
Sample ID			130056MW00301501XD		130056MW00301501XX		130056MW00401601XX		130056MW4MM01501XX	
Qc Code			FD		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethane	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethene	ug/l	1 U		1 U		1 U		1.8	
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromoethane	ug/l	2 U		2 U		2 U		2 U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloroethane	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloropropane	ug/l	2 U		2 U		2 U		2 U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dioxane	ug/l	25 UJ		25 UJ		25 UJ		25 UJ	
SW8468260B	2-Butanone	ug/l	5 UJ		5 UJ		5 UJ		5 UJ	
SW8468260B	2-Hexanone	ug/l	5 UJ		5 UJ		5 UJ		5 UJ	
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	Acetic acid, methyl ester	ug/l	5 UJ		5 UJ		5 UJ		5 UJ	
SW8468260B	Acetone	ug/l	5 UJ		5 UJ		5 UJ		5 UJ	
SW8468260B	Benzene	ug/l	0.5 U		0.5 U		0.5 U		0.5 U	
SW8468260B	Bromochloromethane	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	Bromodichloromethane	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	Bromoform	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	Bromomethane	ug/l	2 U		2 U		2 U		2 U	
SW8468260B	Carbon disulfide	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	Carbon tetrachloride	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	Chlorobenzene	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	Chlorodibromomethane	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	Chloroethane	ug/l	2 U		2 U		2 U		2 U	
SW8468260B	Chloroform	ug/l	9		9		2.3		1 U	
SW8468260B	Chloromethane	ug/l	2 UJ		2 UJ		2 UJ		2 UJ	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		2050	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U		0.5 U		0.5 U		0.5 U	
SW8468260B	Cyclohexane	ug/l	5 U		5 U		5 U		13.8	
SW8468260B	Dichlorodifluoromethane	ug/l	2 UJ		2 UJ		2 UJ		2 UJ	
SW8468260B	Ethyl benzene	ug/l	1 U		1 U		1 U		34.6	
SW8468260B	Isopropylbenzene	ug/l	5 UJ		5 UJ		5 UJ		15.1 UJ	
SW8468260B	Methyl cyclohexane	ug/l	5 UJ		5 UJ		5 UJ		27.8 UJ	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	Methylene chloride	ug/l	2 U		2 U		2 U		2 U	
SW8468260B	Styrene	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	Tetrachloroethene	ug/l	1 U		1 U		7.4		1 U	
SW8468260B	Toluene	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		15.9	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U		0.5 U		0.5 U		0.5 U	
SW8468260B	Trichloroethene	ug/l	1 U		1 U		2.1		2.4	
SW8468260B	Trichlorofluoromethane	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	Vinyl chloride	ug/l	1 U		1 U		1 U		22.9	
SW8468260B	Xylenes, Total	ug/l	1 U		1 U		1 U		31.1	

Notes:

QC Code: FS =field sample; FD=field duplicate.

Qualifiers: U=non detect; J=estimated

Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
 DATA USABILITY SUMMARY REPORT
 OCT 2009 AND JAN 2010 MONITORING WELL SAMPLING PROGRAM
 REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M86895		M86895		M88581		M88581	
Location			MW-5 (MM)		SW-1		MW-1 (RR)		MW-10	
Sample Date			10/27/2009		10/28/2009		1/11/2010		1/12/2010	
Sample ID			130056MW5MM01601XX		130056SW001XXX01XX		130056MW1RR01902XX		130056MW01002502XX	
Qc Code			FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethane	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethene	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromoethane	ug/l	2 U		2 U		2 U		2 U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloroethane	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloropropane	ug/l	2 U		2 U		2 U		2 U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dioxane	ug/l	25 UJ		25 UJ		25 UJ		25 UJ	
SW8468260B	2-Butanone	ug/l	5 UJ		5 UJ		5 U		5 U	
SW8468260B	2-Hexanone	ug/l	5 UJ		5 UJ		5 U		5 UJ	
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	Acetic acid, methyl ester	ug/l	5 UJ		5 UJ		5 U		5 U	
SW8468260B	Acetone	ug/l	5 UJ		5 UJ		5 U		5 UJ	
SW8468260B	Benzene	ug/l	0.5 U		0.5 U		0.5 U		0.5 U	
SW8468260B	Bromochloromethane	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	Bromodichloromethane	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	Bromoform	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	Bromomethane	ug/l	2 U		2 U		2 U		2 U	
SW8468260B	Carbon disulfide	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	Carbon tetrachloride	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	Chlorobenzene	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	Chlorodibromomethane	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	Chloroethane	ug/l	2 U		2 U		2 U		2 U	
SW8468260B	Chloroform	ug/l	1 U		2		1 U		1 U	
SW8468260B	Chloromethane	ug/l	2 UJ		2 UJ		2 U		2 U	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U		1 U		137		1 U	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U		0.5 U		0.5 U		0.5 U	
SW8468260B	Cyclohexane	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	Dichlorodifluoromethane	ug/l	2 UJ		2 UJ		2 U		2 U	
SW8468260B	Ethyl benzene	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	Isopropylbenzene	ug/l	5 UJ		5 UJ		5 U		5 U	
SW8468260B	Methyl cyclohexane	ug/l	5 UJ		5 UJ		5 U		5 U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	Methylene chloride	ug/l	2 U		2 U		2 U		2 U	
SW8468260B	Styrene	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	Tetrachloroethene	ug/l	1 U		1.2		921		235	
SW8468260B	Toluene	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U		1 U		1.3		1 U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U		0.5 U		0.5 U		0.5 U	
SW8468260B	Trichloroethene	ug/l	1 U		1.7		237		5.8	
SW8468260B	Trichlorofluoromethane	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	Vinyl chloride	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	Xylenes, Total	ug/l	1 U		1 U		1 U		1 U	

Notes:

QC Code: FS =field sample; FD=field duplicate.

Qualifiers: U=non detect; J=estimated

Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
 DATA USABILITY SUMMARY REPORT
 OCT 2009 AND JAN 2010 MONITORING WELL SAMPLING PROGRAM
 REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M88581	M88581	M88581	M88581		
Location			MW-11	MW-2 (RR)	MW-4	MW-6		
Sample Date			1/12/2010	1/11/2010	1/12/2010	1/12/2010		
Sample ID			130056MW01102502XX	130056MW2RR01702XX	130056MW00401602XX	130056MW00601802XD		
Qc Code			FS	FS	FS	FD		
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromoethane	ug/l	2 U	U	2 U	U	2 U	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloropropane	ug/l	2 U	U	2 U	U	2 U	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dioxane	ug/l	25 UJ	UJ	25 U	U	25 UJ	UJ
SW8468260B	2-Butanone	ug/l	5 U	UJ	5 UJ	UJ	5 U	U
SW8468260B	2-Hexanone	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	Acetic acid, methyl ester	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	Acetone	ug/l	5 UJ	UJ	5 U	U	5 U	U
SW8468260B	Benzene	ug/l	0.5 U	U	0.5 U	U	0.5 U	U
SW8468260B	Bromochloromethane	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	Bromodichloromethane	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Bromoform	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Bromomethane	ug/l	2 U	U	2 U	U	2 U	U
SW8468260B	Carbon disulfide	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	Carbon tetrachloride	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorobenzene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorodibromomethane	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Chloroethane	ug/l	2 U	U	2 U	U	2 U	U
SW8468260B	Chloroform	ug/l	1 U	U	1.3	U	1 U	4.9
SW8468260B	Chloromethane	ug/l	2 U	U	2 U	U	2 U	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U	U	0.5 U	U	0.5 U	U
SW8468260B	Cyclohexane	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	Dichlorodifluoromethane	ug/l	2 U	U	2 U	U	2 U	U
SW8468260B	Ethyl benzene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Isopropylbenzene	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl cyclohexane	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Methylene chloride	ug/l	2 U	U	2 U	U	2 U	U
SW8468260B	Styrene	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	Tetrachloroethene	ug/l	204	U	2.4	U	5.3	1 U
SW8468260B	Toluene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U	U	0.5 U	U	0.5 U	U
SW8468260B	Trichloroethene	ug/l	4	U	1 U	U	1 U	1 U
SW8468260B	Trichlorofluoromethane	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Vinyl chloride	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Xylenes, Total	ug/l	1 U	U	1 U	U	1 U	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
 DATA USABILITY SUMMARY REPORT
 OCT 2009 AND JAN 2010 MONITORING WELL SAMPLING PROGRAM
 REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M88581	M88581	M88581	M88581				
Location			MW-6	MW-7	MW-8D	MW-8I				
Sample Date			1/12/2010	1/12/2010	1/11/2010	1/12/2010				
Sample ID			130056MW00601802XX	130056MW00701702XX	130056MW08D07002XX	130056MW08I03502XX				
Qc Code			FS	FS	FS	FS				
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethane	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethene	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromoethane	ug/l	2 U		2 U		2 U		2 U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloroethane	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloropropane	ug/l	2 U		2 U		2 U		2 U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dioxane	ug/l	25 UJ		25 UJ		25 UJ		25 UJ	
SW8468260B	2-Butanone	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	2-Hexanone	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	Acetic acid, methyl ester	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	Acetone	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	Benzene	ug/l	0.5 U		0.5 U		0.5 U		0.5 U	
SW8468260B	Bromochloromethane	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	Bromodichloromethane	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	Bromoform	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	Bromomethane	ug/l	2 U		2 U		2 U		2 U	
SW8468260B	Carbon disulfide	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	Carbon tetrachloride	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	Chlorobenzene	ug/l	1 U		16.2		1 U		1 U	
SW8468260B	Chlorodibromomethane	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	Chloroethane	ug/l	2 U		2 U		2 U		2 U	
SW8468260B	Chloroform	ug/l	5		1 U		1 U		1 U	
SW8468260B	Chloromethane	ug/l	2 U		2 U		2 U		2 U	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U		0.5 U		0.5 U		0.5 U	
SW8468260B	Cyclohexane	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	Dichlorodifluoromethane	ug/l	2 U		2 U		2 U		2 U	
SW8468260B	Ethyl benzene	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	Isopropylbenzene	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	Methyl cyclohexane	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U		1 U		1 U		4.9	
SW8468260B	Methylene chloride	ug/l	2 U		2 U		2 U		2 U	
SW8468260B	Styrene	ug/l	5 U		5 U		5 U		5 U	
SW8468260B	Tetrachloroethene	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	Toluene	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U		0.5 U		0.5 U		0.5 U	
SW8468260B	Trichloroethene	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	Trichlorofluoromethane	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	Vinyl chloride	ug/l	1 U		1 U		1 U		1 U	
SW8468260B	Xylenes, Total	ug/l	1 U		1 U		1 U		1 U	

Notes:

QC Code: FS =field sample; FD=field duplicate.

Qualifiers: U=non detect; J=estimated

Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
 DATA USABILITY SUMMARY REPORT
 OCT 2009 AND JAN 2010 MONITORING WELL SAMPLING PROGRAM
 REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M88581	M88581	M88678	M88678		
Location			MW-8S	MW-9	MW-2	MW-3		
Sample Date			1/11/2010	1/12/2010	1/13/2010	1/13/2010		
Sample ID			130056MW08S01602XX	130056MW00903502XX	130056MW00201402XX	130056MW00301502XX		
Qc Code			FS	FS	FS	FS		
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U		1 U		1 U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U		1 U		1 U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U		5 U		5 U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethane	ug/l	1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethene	ug/l	1 U		1 U		1 U	
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U		5 U		5 UJ	
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U		5 U		5 U	
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U		5 U		5 U	
SW8468260B	1,2-Dibromoethane	ug/l	2 U		2 U		2 U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U		1 U		1 U	
SW8468260B	1,2-Dichloroethane	ug/l	1 U		1 U		1 U	
SW8468260B	1,2-Dichloropropane	ug/l	2 U		2 U		2 U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U		1 U		1 U	
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U		1 U		1 U	
SW8468260B	1,4-Dioxane	ug/l	25 UJ		25 UJ		25 U	
SW8468260B	2-Butanone	ug/l	5 U		5 U		5 UJ	
SW8468260B	2-Hexanone	ug/l	5 U		5 U		5 U	
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U		5 U		5 U	
SW8468260B	Acetic acid, methyl ester	ug/l	5 U		5 U		5 U	
SW8468260B	Acetone	ug/l	5 U		5 U		5 U	
SW8468260B	Benzene	ug/l	0.5 U		0.5 U		0.5 U	
SW8468260B	Bromochloromethane	ug/l	5 U		5 U		5 U	
SW8468260B	Bromodichloromethane	ug/l	1 U		1 U		1 U	
SW8468260B	Bromoform	ug/l	1 U		1 U		1 U	
SW8468260B	Bromomethane	ug/l	2 U		2 U		2 U	
SW8468260B	Carbon disulfide	ug/l	5 U		5 U		5 U	
SW8468260B	Carbon tetrachloride	ug/l	1 U		1 U		1 U	
SW8468260B	Chlorobenzene	ug/l	1 U		1 U		1 U	
SW8468260B	Chlorodibromomethane	ug/l	1 U		1 U		1 U	
SW8468260B	Chloroethane	ug/l	2 U		2 U		2 U	
SW8468260B	Chloroform	ug/l	1 U		1 U		2.5	6.9
SW8468260B	Chloromethane	ug/l	2 U		2 U		2 U	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U		1 U		7.3	1 U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U		0.5 U		0.5 U	0.5 U
SW8468260B	Cyclohexane	ug/l	5 U		5 U		5 U	
SW8468260B	Dichlorodifluoromethane	ug/l	2 U		2 U		2 U	
SW8468260B	Ethyl benzene	ug/l	1 U		1 U		1 U	
SW8468260B	Isopropylbenzene	ug/l	5 U		5 U		5 U	
SW8468260B	Methyl cyclohexane	ug/l	5 U		5 U		5 U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U		1 U		1 U	
SW8468260B	Methylene chloride	ug/l	2 U		2 U		2 U	
SW8468260B	Styrene	ug/l	5 U		5 U		5 U	
SW8468260B	Tetrachloroethene	ug/l	6.3		387		1.4	1 U
SW8468260B	Toluene	ug/l	1 U		1 U		1 U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U		1 U		1 U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U		0.5 U		0.5 U	0.5 U
SW8468260B	Trichloroethene	ug/l	1 U		8.1		1 U	1 U
SW8468260B	Trichlorofluoromethane	ug/l	1 U		1 U		1 U	
SW8468260B	Vinyl chloride	ug/l	1 U		1 U		1 U	
SW8468260B	Xylenes, Total	ug/l	1 U		1 U		1 U	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
 DATA USABILITY SUMMARY REPORT
 OCT 2009 AND JAN 2010 MONITORING WELL SAMPLING PROGRAM
 REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M88678		M88678		M88678		M88678	
Location			MW-3A		MW-3B		MW-3B		MW-3C	
Sample ID			1/14/2010		1/14/2010		1/14/2010		1/14/2010	
Sample Date			130056MW03A08602XX		130056MW03B05302XD		130056MW03B05302XX		130056MW03C05002XX	
Qc Code			FS		FD		FS		FS	
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromoethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloropropane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dioxane	ug/l	25 U	U						
SW8468260B	2-Butanone	ug/l	5 UJ	J						
SW8468260B	2-Hexanone	ug/l	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Acetic acid, methyl ester	ug/l	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Acetone	ug/l	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Benzene	ug/l	0.5 U	U						
SW8468260B	Bromochloromethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Bromodichloromethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromoform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromomethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Carbon disulfide	ug/l	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Carbon tetrachloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorodibromomethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloroethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Chloroform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloromethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1.3	U	1 U	U	1 U	U	1 U	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U	U						
SW8468260B	Cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Dichlorodifluoromethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Ethyl benzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Isopropylbenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Methylene chloride	ug/l	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Styrene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Tetrachloroethene	ug/l	146	U	43.8	U	48.2	U	1 U	U
SW8468260B	Toluene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U	U						
SW8468260B	Trichloroethene	ug/l	6.1	U	1.2	U	1.2	U	1 U	U
SW8468260B	Trichlorofluoromethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Vinyl chloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Xylenes, Total	ug/l	1 U	U	1 U	U	1 U	U	1 U	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
 DATA USABILITY SUMMARY REPORT
 OCT 2009 AND JAN 2010 MONITORING WELL SAMPLING PROGRAM
 REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M88678	M88678	M88678			
Location			MW-3D	MW-4 (MM)	MW-5			
Sample Date			1/14/2010	1/13/2010	1/14/2010			
Sample ID			130056MW03D06202XX	130056MW4MM01502XX	130056AS00502202XX			
Qc Code			FS	FS	FS			
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U	5	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5	U	5	U	5	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	U	5	U	5	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	U	5	U
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	U	1	U	1	U
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U
SW8468260B	1,4-Dioxane	ug/l	25	U	25	U	25	U
SW8468260B	2-Butanone	ug/l	5	UJ	5	UJ	5	UJ
SW8468260B	2-Hexanone	ug/l	5	U	5	U	5	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	U
SW8468260B	Acetic acid, methyl ester	ug/l	5	U	5	U	5	U
SW8468260B	Acetone	ug/l	5	U	5	U	5	U
SW8468260B	Benzene	ug/l	0.5	U	0.5	U	0.5	U
SW8468260B	Bromochloromethane	ug/l	5	U	5	U	5	U
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	1	U
SW8468260B	Bromoform	ug/l	1	U	1	U	1	U
SW8468260B	Bromomethane	ug/l	2	U	2	U	2	U
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	U	1	U	1	U
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	U	1	U	1	U
SW8468260B	Chloroethane	ug/l	2	U	2	U	2	U
SW8468260B	Chloroform	ug/l	1	U	1	U	1	U
SW8468260B	Chloromethane	ug/l	2	U	2	U	2	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	526		1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U	0.5	U	0.5	U
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	U	2	U	2	U
SW8468260B	Ethyl benzene	ug/l	1	U	34.1		1	U
SW8468260B	Isopropylbenzene	ug/l	5	U	5	U	5	U
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	U	2	U	2	U
SW8468260B	Styrene	ug/l	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	2.4		1	U	1	U
SW8468260B	Toluene	ug/l	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	6		1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	U	0.5	U	0.5	U
SW8468260B	Trichloroethene	ug/l	1	U	1.2		1	U
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	U	1	U
SW8468260B	Vinyl chloride	ug/l	1	U	2.1		1	U
SW8468260B	Xylenes, Total	ug/l	1	U	36		1	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
 DATA USABILITY SUMMARY REPORT
 OCT 2009 AND JAN 2010 MONITORING WELL SAMPLING PROGRAM
 REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE

Sample Delivery Group			M86895 MASSA PEOUA, NEW YORK		M86895		M86895		M86895	
Location			AS-5		MW-1 (RR)		MW-2		MW-2 (RR)	
Sample Date			10/27/2009		10/27/2009		10/27/2009		10/27/2009	
Sample ID			130056AS00502201XX		130056MW1RR01901XX		130056MW00201401XX		130056MW2RR01901XX	
Qc Code			FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8468270C	2,4,5-Trichlorophenol	ug/l	11 U		11 U		10 U		10 U	
SW8468270C	2,4,6-Trichlorophenol	ug/l	11 U		11 U		10 U		10 U	
SW8468270C	2,4-Dichlorophenol	ug/l	11 U		11 U		10 U		10 U	
SW8468270C	2,4-Dimethylphenol	ug/l	11 U		11 U		10 U		10 U	
SW8468270C	2,4-Dinitrophenol	ug/l	22 UJ		22 UJ		20 UJ		21 UJ	
SW8468270C	2,4-Dinitrotoluene	ug/l	11 U		11 U		10 U		10 U	
SW8468270C	2,6-Dinitrotoluene	ug/l	11 U		11 U		10 U		10 U	
SW8468270C	2-Chloronaphthalene	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	2-Chlorophenol	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	2-Methylnaphthalene	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	2-Methylphenol	ug/l	11 U		11 U		10 U		10 U	
SW8468270C	2-Nitroaniline	ug/l	11 U		11 U		10 U		10 U	
SW8468270C	2-Nitrophenol	ug/l	11 U		11 U		10 U		10 U	
SW8468270C	3 and 4 Methylphenol	ug/l	11 U		11 U		10 U		10 U	
SW8468270C	3,3'-Dichlorobenzidine	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	3-Nitroaniline	ug/l	11 UJ		11 UJ		10 UJ		10 UJ	
SW8468270C	4,6-Dinitro-2-methylphenol	ug/l	11 U		11 U		10 U		10 U	
SW8468270C	4-Bromophenyl phenyl ether	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	4-Chloro-3-methylphenol	ug/l	11 U		11 U		10 U		10 U	
SW8468270C	4-Chloroaniline	ug/l	11 UJ		11 U		10 U		10 U	
SW8468270C	4-Chlorophenyl phenyl ether	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	4-Nitroaniline	ug/l	11 U		11 U		10 U		10 U	
SW8468270C	4-Nitrophenol	ug/l	22 U		22 U		20 U		21 U	
SW8468270C	Acenaphthene	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Acenaphthylene	ug/l	5.6 UJ		5.4 UJ		5.1 UJ		5.2 UJ	
SW8468270C	Acetophenone	ug/l	11 U		11 U		10 U		10 U	
SW8468270C	Anthracene	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Atrazine	ug/l	11 U		11 U		10 U		10 U	
SW8468270C	Benzaldehyde	ug/l	22 UJ		22 UJ		20 UJ		21 UJ	
SW8468270C	Benzo(a)anthracene	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Benzo(a)pyrene	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Benzo(b)fluoranthene	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Benzo(ghi)perylene	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Benzo(k)fluoranthene	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Biphenyl	ug/l	11 U		11 U		10 U		10 U	
SW8468270C	Bis(2-Chloroethoxy)methane	ug/l	5.6 UJ		5.4 UJ		5.1 UJ		5.2 UJ	
SW8468270C	Bis(2-Chloroethyl)ether	ug/l	5.6 UJ		5.4 UJ		5.1 UJ		5.2 UJ	
SW8468270C	Bis(2-Chloroisopropyl)ether	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Bis(2-Ethylhexyl)phthalate	ug/l	2.2 U		2.2 U		2 U		2.1 U	
SW8468270C	Butylbenzylphthalate	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Caprolactum	ug/l	11 U		11 U		10 U		10 U	
SW8468270C	Carbazole	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Chrysene	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Di-n-butylphthalate	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Di-n-octylphthalate	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Dibenz(a,h)anthracene	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Dibenzofuran	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Diethylphthalate	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Dimethylphthalate	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Fluoranthene	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Fluorene	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Hexachlorobenzene	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Hexachlorobutadiene	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Hexachlorocyclopentadiene	ug/l	11 U		11 U		10 U		10 U	
SW8468270C	Hexachloroethane	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Indeno(1,2,3-cd)pyrene	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Isophorone	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	N-Nitrosodi-n-propylamine	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	N-Nitrosodiphenylamine	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Naphthalene	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Nitrobenzene	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Pentachlorophenol	ug/l	11 U		11 U		10 U		10 U	
SW8468270C	Phenanthrene	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Phenol	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	
SW8468270C	Pyrene	ug/l	5.6 U		5.4 U		5.1 U		5.2 U	

Notes:

QC Code: FS =field sample; FD=field duplicate.

Qualifiers: U=non detect; J=estimated

Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
 DATA USABILITY SUMMARY REPORT
 OCT 2009 AND JAN 2010 MONITORING WELL SAMPLING PROGRAM
 REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE

Sample Delivery Group			M86895	M86895	M86895	M86895		
Location			MW-3	MW-3	MW-4	MW-4 (MM)		
Sample Date			10/28/2009	10/28/2009	10/27/2009	10/27/2009		
Sample ID			130056MW00301501XD	130056MW00301501XX	130056MW00401601XX	130056MW4MM01501XX		
Qc Code			FD	FS	FS	FS		
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8468270C	2,4,5-Trichlorophenol	ug/l	11 U	U	11 U	U	10 U	U
SW8468270C	2,4,6-Trichlorophenol	ug/l	11 U	U	11 U	U	10 U	U
SW8468270C	2,4-Dichlorophenol	ug/l	11 U	U	11 U	U	10 U	U
SW8468270C	2,4-Dimethylphenol	ug/l	11 U	U	11 U	U	10 U	U
SW8468270C	2,4-Dinitrophenol	ug/l	22 U	UJ	22 UJ	UJ	20 UJ	UJ
SW8468270C	2,4-Dinitrotoluene	ug/l	11 U	U	11 U	U	10 U	U
SW8468270C	2,6-Dinitrotoluene	ug/l	11 U	U	11 U	U	10 U	U
SW8468270C	2-Chloronaphthalene	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	2-Chlorophenol	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	2-Methylnaphthalene	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	2-Methylphenol	ug/l	11 U	U	11 U	U	10 U	U
SW8468270C	2-Nitroaniline	ug/l	11 U	U	11 U	U	10 U	U
SW8468270C	2-Nitrophenol	ug/l	11 U	U	11 U	U	10 U	U
SW8468270C	3 and 4 Methylphenol	ug/l	11 U	U	11 U	U	10 U	U
SW8468270C	3,3'-Dichlorobenzidine	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	3-Nitroaniline	ug/l	11 U	UJ	11 UJ	UJ	10 UJ	UJ
SW8468270C	4,6-Dinitro-2-methylphenol	ug/l	11 U	U	11 U	U	10 U	U
SW8468270C	4-Bromophenyl phenyl ether	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	4-Chloro-3-methylphenol	ug/l	11 U	U	11 U	U	10 U	U
SW8468270C	4-Chloroaniline	ug/l	11 U	U	11 U	U	10 U	U
SW8468270C	4-Chlorophenyl phenyl ether	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	4-Nitroaniline	ug/l	11 U	U	11 U	U	10 U	U
SW8468270C	4-Nitrophenol	ug/l	22 U	U	22 U	U	20 U	U
SW8468270C	Acenaphthene	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Acenaphthylene	ug/l	5.4 U	UJ	5.4 UJ	UJ	5 U	U
SW8468270C	Acetophenone	ug/l	11 U	U	11 U	U	10 U	U
SW8468270C	Anthracene	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Atrazine	ug/l	11 U	U	11 U	U	10 U	U
SW8468270C	Benzaldehyde	ug/l	22 U	UJ	22 UJ	UJ	20 UJ	UJ
SW8468270C	Benzo(a)anthracene	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Benzo(a)pyrene	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Benzo(b)fluoranthene	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Benzo(ghi)perylene	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Benzo(k)fluoranthene	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Biphenyl	ug/l	11 U	U	11 U	U	10 U	U
SW8468270C	Bis(2-Chloroethoxy)methane	ug/l	5.4 U	UJ	5.4 UJ	UJ	5 U	U
SW8468270C	Bis(2-Chloroethyl)ether	ug/l	5.4 U	UJ	5.4 UJ	UJ	5 U	U
SW8468270C	Bis(2-Chloroisopropyl)ether	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Bis(2-Ethylhexyl)phthalate	ug/l	2.2 U	U	2.2 U	U	2 U	U
SW8468270C	Butylbenzylphthalate	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Caprolactum	ug/l	11 U	U	11 U	U	10 U	U
SW8468270C	Carbazole	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Chrysene	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Di-n-butylphthalate	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Di-n-octylphthalate	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Dibenz(a,h)anthracene	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Dibenzofuran	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Diethylphthalate	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Dimethylphthalate	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Fluoranthene	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Fluorene	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Hexachlorobenzene	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Hexachlorobutadiene	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Hexachlorocyclopentadiene	ug/l	11 U	U	11 U	U	10 U	U
SW8468270C	Hexachloroethane	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Indeno(1,2,3-cd)pyrene	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Isophorone	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	N-Nitrosodi-n-propylamine	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	N-Nitrosodiphenylamine	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Naphthalene	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Nitrobenzene	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Pentachlorophenol	ug/l	11 U	U	11 U	U	10 U	U
SW8468270C	Phenanthrene	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Phenol	ug/l	5.4 U	U	5.4 U	U	5 U	U
SW8468270C	Pyrene	ug/l	5.4 U	U	5.4 U	U	5 U	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
 DATA USABILITY SUMMARY REPORT
 OCT 2009 AND JAN 2010 MONITORING WELL SAMPLING PROGRAM
 REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE

Sample Delivery Group			M86895 MASSAPEQUA, NEW YORK		M86895	
Location			MW-5 (MM)		SW-1	
Sample Date			10/27/2009		10/28/2009	
Sample ID			130056MW5MM01601XX		130056SW001XXX01XX	
Qc Code			FS		FS	
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier
SW8468270C	2,4,5-Trichlorophenol	ug/l	10 U		10 U	
SW8468270C	2,4,6-Trichlorophenol	ug/l	10 U		10 U	
SW8468270C	2,4-Dichlorophenol	ug/l	10 U		10 U	
SW8468270C	2,4-Dimethylphenol	ug/l	10 U		10 U	
SW8468270C	2,4-Dinitrophenol	ug/l	20 U		20 U	
SW8468270C	2,4-Dinitrotoluene	ug/l	10 U		10 U	
SW8468270C	2,6-Dinitrotoluene	ug/l	10 U		10 U	
SW8468270C	2-Chloronaphthalene	ug/l	5 U		5 U	
SW8468270C	2-Chlorophenol	ug/l	5 U		5 U	
SW8468270C	2-Methylnaphthalene	ug/l	5 U		5 U	
SW8468270C	2-Methylphenol	ug/l	10 U		10 U	
SW8468270C	2-Nitroaniline	ug/l	10 U		10 U	
SW8468270C	2-Nitrophenol	ug/l	10 U		10 U	
SW8468270C	3 and 4 Methylphenol	ug/l	10 U		10 U	
SW8468270C	3,3'-Dichlorobenzidine	ug/l	5 U		5 U	
SW8468270C	3-Nitroaniline	ug/l	10 U		10 U	
SW8468270C	4,6-Dinitro-2-methylphenol	ug/l	10 U		10 U	
SW8468270C	4-Bromophenyl phenyl ether	ug/l	5 U		5 U	
SW8468270C	4-Chloro-3-methylphenol	ug/l	10 U		10 U	
SW8468270C	4-Chloroaniline	ug/l	10 U		10 U	
SW8468270C	4-Chlorophenyl phenyl ether	ug/l	5 U		5 U	
SW8468270C	4-Nitroaniline	ug/l	10 U		10 U	
SW8468270C	4-Nitrophenol	ug/l	20 U		20 U	
SW8468270C	Acenaphthene	ug/l	5 U		5 U	
SW8468270C	Acenaphthylene	ug/l	5 U		5 U	
SW8468270C	Acetophenone	ug/l	10 U		10 U	
SW8468270C	Anthracene	ug/l	5 U		5 U	
SW8468270C	Atrazine	ug/l	10 U		10 U	
SW8468270C	Benzaldehyde	ug/l	20 U		20 U	
SW8468270C	Benzo(a)anthracene	ug/l	5 U		5 U	
SW8468270C	Benzo(a)pyrene	ug/l	5 U		5 U	
SW8468270C	Benzo(b)fluoranthene	ug/l	5 U		5 U	
SW8468270C	Benzo(ghi)perylene	ug/l	5 U		5 U	
SW8468270C	Benzo(k)fluoranthene	ug/l	5 U		5 U	
SW8468270C	Biphenyl	ug/l	10 U		10 U	
SW8468270C	Bis(2-Chloroethoxy)methane	ug/l	5 U		5 U	
SW8468270C	Bis(2-Chloroethyl)ether	ug/l	5 U		5 U	
SW8468270C	Bis(2-Chloroisopropyl)ether	ug/l	5 U		5 U	
SW8468270C	Bis(2-Ethylhexyl)phthalate	ug/l	2 U		2 U	
SW8468270C	Butylbenzylphthalate	ug/l	5 U		5 U	
SW8468270C	Caprolactum	ug/l	10 U		10 U	
SW8468270C	Carbazole	ug/l	5 U		5 U	
SW8468270C	Chrysene	ug/l	5 U		5 U	
SW8468270C	Di-n-butylphthalate	ug/l	5 U		5 U	
SW8468270C	Di-n-octylphthalate	ug/l	5 U		5 U	
SW8468270C	Dibenz(a,h)anthracene	ug/l	5 U		5 U	
SW8468270C	Dibenzofuran	ug/l	5 U		5 U	
SW8468270C	Diethylphthalate	ug/l	5 U		5 U	
SW8468270C	Dimethylphthalate	ug/l	5 U		5 U	
SW8468270C	Fluoranthene	ug/l	5 U		5 U	
SW8468270C	Fluorene	ug/l	5 U		5 U	
SW8468270C	Hexachlorobenzene	ug/l	5 U		5 U	
SW8468270C	Hexachlorobutadiene	ug/l	5 U		5 U	
SW8468270C	Hexachlorocyclopentadiene	ug/l	10 U		10 U	
SW8468270C	Hexachloroethane	ug/l	5 U		5 U	
SW8468270C	Indeno(1,2,3-cd)pyrene	ug/l	5 U		5 U	
SW8468270C	Isophorone	ug/l	5 U		5 U	
SW8468270C	N-Nitrosodi-n-propylamine	ug/l	5 U		5 U	
SW8468270C	N-Nitrosodiphenylamine	ug/l	5 U		5 U	
SW8468270C	Naphthalene	ug/l	5 U		5 U	
SW8468270C	Nitrobenzene	ug/l	5 U		5 U	
SW8468270C	Pentachlorophenol	ug/l	10 U		10 U	
SW8468270C	Phenanthrene	ug/l	5 U		5 U	
SW8468270C	Phenol	ug/l	5 U		5 U	
SW8468270C	Pyrene	ug/l	5 U		5 U	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
 DATA USABILITY SUMMARY REPORT
 OCT 2009 AND JAN 2010 MONITORING WELL SAMPLING PROGRAM
 REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE

Sample Delivery Group			M88581 MASSAQUA, NEW YORK		M88581		M88581		M88581	
Location	Sample Date	Sample ID	MW-1 (RR)	MW-10	MW-11	MW-2 (RR)	1/11/2010	1/12/2010	1/12/2010	1/11/2010
Qc Code			130056MW1RR01902XX	130056MW01002502XX	130056MW01102502XX	130056MW2RR01702XX	FS	FS	FS	FS
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8468270C	2,4,5-Trichlorophenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	2,4,6-Trichlorophenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	2,4-Dichlorophenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	2,4-Dimethylphenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	2,4-Dinitrophenol	ug/l	20 U		20 U		20 U		20 U	
SW8468270C	2,4-Dinitrotoluene	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	2,6-Dinitrotoluene	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	2-Chloronaphthalene	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	2-Chlorophenol	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	2-Methylnaphthalene	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	2-Methylphenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	2-Nitroaniline	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	2-Nitrophenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	3 and 4 Methylphenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	3,3'-Dichlorobenzidine	ug/l	5 U		5.1 UJ		5 U		5 U	
SW8468270C	3-Nitroaniline	ug/l	10 U		10 UJ		10 U		10 U	
SW8468270C	4,6-Dinitro-2-methylphenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	4-Bromophenyl phenyl ether	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	4-Chloro-3-methylphenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	4-Chloroaniline	ug/l	10 U		10 UJ		10 U		10 U	
SW8468270C	4-Chlorophenyl phenyl ether	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	4-Nitroaniline	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	4-Nitrophenol	ug/l	20 U		20 U		20 U		20 U	
SW8468270C	Acenaphthene	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Acenaphthylene	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Acetophenone	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	Anthracene	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Atrazine	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	Benzaldehyde	ug/l	20 U		20 U		20 U		20 U	
SW8468270C	Benzo(a)anthracene	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Benzo(a)pyrene	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Benzo(b)fluoranthene	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Benzo(ghi)perylene	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Benzo(k)fluoranthene	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Biphenyl	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	Bis(2-Chloroethoxy)methane	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Bis(2-Chloroethyl)ether	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Bis(2-Chloroisopropyl)ether	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Bis(2-Ethylhexyl)phthalate	ug/l	2 U		2 U		2 U		2 U	
SW8468270C	Butylbenzylphthalate	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Caprolactum	ug/l	10 U		10 UJ		10 UJ		10 U	
SW8468270C	Carbazole	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Chrysene	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Di-n-butylphthalate	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Di-n-octylphthalate	ug/l	5 UJ		5.1 UJ		5 UJ		5 UJ	
SW8468270C	Dibenz(a,h)anthracene	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Dibenzofuran	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Diethylphthalate	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Dimethylphthalate	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Fluoranthene	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Fluorene	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Hexachlorobenzene	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Hexachlorobutadiene	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Hexachlorocyclopentadiene	ug/l	10 UJ		10 UJ		10 UJ		10 UJ	
SW8468270C	Hexachloroethane	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Indeno(1,2,3-cd)pyrene	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Isophorone	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	N-Nitrosodi-n-propylamine	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	N-Nitrosodiphenylamine	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Naphthalene	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Nitrobenzene	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Pentachlorophenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	Phenanthrene	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Phenol	ug/l	5 U		5.1 U		5 U		5 U	
SW8468270C	Pyrene	ug/l	5 U		5.1 U		5 U		5 U	

Notes:

QC Code: FS =field sample; FD=field duplicate.

Qualifiers: U=non detect; J=estimated

Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
 DATA USABILITY SUMMARY REPORT
 OCT 2009 AND JAN 2010 MONITORING WELL SAMPLING PROGRAM
 REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE

Sample Delivery Group			M88581		M88581		M88581		M88581	
Location			MW-4		MW-6		MW-6		MW-7	
Sample Date			1/12/2010		1/12/2010		1/12/2010		1/12/2010	
Sample ID			130056MW00401602XX		130056MW00601802XD		130056MW00601802XX		130056MW00701702XX	
Qc Code			FS		FD		FS		FS	
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8468270C	2,4,5-Trichlorophenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	2,4,6-Trichlorophenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	2,4-Dichlorophenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	2,4-Dimethylphenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	2,4-Dinitrophenol	ug/l	20 U		20 U		20 U		20 U	
SW8468270C	2,4-Dinitrotoluene	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	2,6-Dinitrotoluene	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	2-Chloronaphthalene	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	2-Chlorophenol	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	2-Methylnaphthalene	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	2-Methylphenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	2-Nitroaniline	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	2-Nitrophenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	3 and 4 Methylphenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	3,3'-Dichlorobenzidine	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	3-Nitroaniline	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	4,6-Dinitro-2-methylphenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	4-Bromophenyl phenyl ether	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	4-Chloro-3-methylphenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	4-Chloroaniline	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	4-Chlorophenyl phenyl ether	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	4-Nitroaniline	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	4-Nitrophenol	ug/l	20 U		20 U		20 U		20 U	
SW8468270C	Acenaphthene	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Acenaphthylene	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Acetophenone	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	Anthracene	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Atrazine	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	Benzaldehyde	ug/l	20 U		20 U		20 U		20 U	
SW8468270C	Benzo(a)anthracene	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Benzo(a)pyrene	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Benzo(b)fluoranthene	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Benzo(ghi)perylene	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Benzo(k)fluoranthene	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Biphenyl	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	Bis(2-Chloroethoxy)methane	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Bis(2-Chloroethyl)ether	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Bis(2-Chloroisopropyl)ether	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Bis(2-Ethylhexyl)phthalate	ug/l	2 U		2 U		2 U		2 U	
SW8468270C	Butylbenzylphthalate	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Caprolactum	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	Carbazole	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Chrysene	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Di-n-butylphthalate	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Di-n-octylphthalate	ug/l	5 UJ		5 UJ		5 UJ		5 UJ	
SW8468270C	Dibenz(a,h)anthracene	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Dibenzofuran	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Diethylphthalate	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Dimethylphthalate	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Fluoranthene	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Fluorene	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Hexachlorobenzene	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Hexachlorobutadiene	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Hexachlorocyclopentadiene	ug/l	10 UJ		10 UJ		10 UJ		10 UJ	
SW8468270C	Hexachloroethane	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Indeno(1,2,3-cd)pyrene	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Isophorone	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	N-Nitrosodi-n-propylamine	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	N-Nitrosodiphenylamine	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Naphthalene	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Nitrobenzene	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Pentachlorophenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	Phenanthrene	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Phenol	ug/l	5 U		5 U		5 U		5 U	
SW8468270C	Pyrene	ug/l	5 U		5 U		5 U		5 U	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
 DATA USABILITY SUMMARY REPORT
 OCT 2009 AND JAN 2010 MONITORING WELL SAMPLING PROGRAM
 REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE

Sample Delivery Group			M88581		M88581		M88581		M88581	
Location			MW-8D		MW-8I		MW-8S		MW-9	
Sample Date			1/11/2010		1/12/2010		1/11/2010		1/12/2010	
Sample ID			130056MW08D07002XX		130056MW08I03502XX		130056MW08S01602XX		130056MW00903502XX	
Qc Code			FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8468270C	2,4,5-Trichlorophenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	2,4,6-Trichlorophenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	2,4-Dichlorophenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	2,4-Dimethylphenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	2,4-Dinitrophenol	ug/l	20 U		21 U		20 U		20 U	
SW8468270C	2,4-Dinitrotoluene	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	2,6-Dinitrotoluene	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	2-Chloronaphthalene	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	2-Chlorophenol	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	2-Methylnaphthalene	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	2-Methylphenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	2-Nitroaniline	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	2-Nitrophenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	3 and 4 Methylphenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	3,3'-Dichlorobenzidine	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	3-Nitroaniline	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	4,6-Dinitro-2-methylphenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	4-Bromophenyl phenyl ether	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	4-Chloro-3-methylphenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	4-Chloroaniline	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	4-Chlorophenyl phenyl ether	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	4-Nitroaniline	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	4-Nitrophenol	ug/l	20 U		21 U		20 U		20 U	
SW8468270C	Acenaphthene	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Acenaphthylene	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Acetophenone	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	Anthracene	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Atrazine	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	Benzaldehyde	ug/l	20 U		21 U		20 U		20 U	
SW8468270C	Benzo(a)anthracene	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Benzo(a)pyrene	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Benzo(b)fluoranthene	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Benzo(ghi)perylene	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Benzo(k)fluoranthene	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Biphenyl	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	Bis(2-Chloroethoxy)methane	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Bis(2-Chloroethyl)ether	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Bis(2-Chloroisopropyl)ether	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Bis(2-Ethylhexyl)phthalate	ug/l	2 U		2.1 U		2 U		2 U	
SW8468270C	Butylbenzylphthalate	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Caprolactum	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	Carbazole	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Chrysene	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Di-n-butylphthalate	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Di-n-octylphthalate	ug/l	5 UJ		5.2 UJ		5.1 UJ		5 UJ	
SW8468270C	Dibenz(a,h)anthracene	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Dibenzofuran	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Diethylphthalate	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Dimethylphthalate	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Fluoranthene	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Fluorene	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Hexachlorobenzene	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Hexachlorobutadiene	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Hexachlorocyclopentadiene	ug/l	10 UJ		10 UJ		10 UJ		10 UJ	
SW8468270C	Hexachloroethane	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Indeno(1,2,3-cd)pyrene	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Isophorone	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	N-Nitrosodi-n-propylamine	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	N-Nitrosodiphenylamine	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Naphthalene	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Nitrobenzene	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Pentachlorophenol	ug/l	10 U		10 U		10 U		10 U	
SW8468270C	Phenanthrene	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Phenol	ug/l	5 U		5.2 U		5.1 U		5 U	
SW8468270C	Pyrene	ug/l	5 U		5.2 U		5.1 U		5 U	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
 DATA USABILITY SUMMARY REPORT
 OCT 2009 AND JAN 2010 MONITORING WELL SAMPLING PROGRAM
 REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE

Sample Delivery Group			M88678		M88678		M88678		M88678	
Location			MW-2		MW-3		MW-3A		MW-3B	
Sample Date			1/13/2010		1/13/2010		1/14/2010		1/14/2010	
Sample ID			130056MW00201402XX		130056MW00301502XX		130056MW03A08602XX		130056MW03B05302XD	
Qc Code			FS		FS		FS		FD	
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8468270C	2,4,5-Trichlorophenol	ug/l	10 U		10 U		10 U		11 U	
SW8468270C	2,4,6-Trichlorophenol	ug/l	10 U		10 U		10 U		11 U	
SW8468270C	2,4-Dichlorophenol	ug/l	10 U		10 U		10 U		11 U	
SW8468270C	2,4-Dimethylphenol	ug/l	10 U		10 U		10 U		11 U	
SW8468270C	2,4-Dinitrophenol	ug/l	20 U		20 U		20 U		22 U	
SW8468270C	2,4-Dinitrotoluene	ug/l	10 U		10 U		10 U		11 U	
SW8468270C	2,6-Dinitrotoluene	ug/l	10 U		10 U		10 U		11 U	
SW8468270C	2-Chloronaphthalene	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	2-Chlorophenol	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	2-Methylnaphthalene	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	2-Methylphenol	ug/l	10 U		10 U		10 U		11 U	
SW8468270C	2-Nitroaniline	ug/l	10 U		10 U		10 U		11 U	
SW8468270C	2-Nitrophenol	ug/l	10 U		10 U		10 U		11 U	
SW8468270C	3 and 4 Methylphenol	ug/l	10 U		10 U		10 U		11 U	
SW8468270C	3,3'-Dichlorobenzidine	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	3-Nitroaniline	ug/l	10 U		10 U		10 U		11 U	
SW8468270C	4,6-Dinitro-2-methylphenol	ug/l	10 U		10 U		10 U		11 U	
SW8468270C	4-Bromophenyl phenyl ether	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	4-Chloro-3-methylphenol	ug/l	10 U		10 U		10 U		11 U	
SW8468270C	4-Chloroaniline	ug/l	10 UJ		10 UJ		10 UJ		11 UJ	
SW8468270C	4-Chlorophenyl phenyl ether	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	4-Nitroaniline	ug/l	10 U		10 U		10 U		11 U	
SW8468270C	4-Nitrophenol	ug/l	20 U		20 U		20 U		22 U	
SW8468270C	Acenaphthene	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Acenaphthylene	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Acetophenone	ug/l	10 U		10 U		10 U		11 U	
SW8468270C	Anthracene	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Atrazine	ug/l	10 U		10 U		10 U		11 U	
SW8468270C	Benzaldehyde	ug/l	20 U		20 U		20 U		22 U	
SW8468270C	Benzo(a)anthracene	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Benzo(a)pyrene	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Benzo(b)fluoranthene	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Benzo(ghi)perylene	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Benzo(k)fluoranthene	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Biphenyl	ug/l	10 U		10 U		10 U		11 U	
SW8468270C	Bis(2-Chloroethoxy)methane	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Bis(2-Chloroethyl)ether	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Bis(2-Chloroisopropyl)ether	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Bis(2-Ethylhexyl)phthalate	ug/l	2.5 U		2 U		3 U		2.4 U	
SW8468270C	Butylbenzylphthalate	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Caprolactum	ug/l	10 UJ		10 U		10 UJ		11 UJ	
SW8468270C	Carbazole	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Chrysene	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Di-n-butylphthalate	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Di-n-octylphthalate	ug/l	5 UJ		5 UJ		5.1 UJ		5.6 UJ	
SW8468270C	Dibenz(a,h)anthracene	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Dibenzofuran	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Diethylphthalate	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Dimethylphthalate	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Fluoranthene	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Fluorene	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Hexachlorobenzene	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Hexachlorobutadiene	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Hexachlorocyclopentadiene	ug/l	10 UJ		10 UJ		10 UJ		11 UJ	
SW8468270C	Hexachloroethane	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Indeno(1,2,3-cd)pyrene	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Isophorone	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	N-Nitrosodi-n-propylamine	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	N-Nitrosodiphenylamine	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Naphthalene	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Nitrobenzene	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Pentachlorophenol	ug/l	10 U		10 U		10 U		11 U	
SW8468270C	Phenanthrene	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Phenol	ug/l	5 U		5 U		5.1 U		5.6 U	
SW8468270C	Pyrene	ug/l	5 U		5 U		5.1 U		5.6 U	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
 DATA USABILITY SUMMARY REPORT
 OCT 2009 AND JAN 2010 MONITORING WELL SAMPLING PROGRAM
 REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE

Sample Delivery Group			M88678 MASSAPEQUA, NEW YORK MW-3B 1/14/2010 130056MW03B05302XX FS		M88678 MW-3C 1/14/2010 130056MW03C05002XX FS		M88678 MW-3D 1/14/2010 130056MW03D06202XX FS		M88678 MW-4 (MM) 1/13/2010 130056MW4MM01502XX FS	
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8468270C	2,4,5-Trichlorophenol	ug/l	11 U		10 U		11 U		10 U	
SW8468270C	2,4,6-Trichlorophenol	ug/l	11 U		10 U		11 U		10 U	
SW8468270C	2,4-Dichlorophenol	ug/l	11 U		10 U		11 U		10 U	
SW8468270C	2,4-Dimethylphenol	ug/l	11 U		10 U		11 U		10 U	
SW8468270C	2,4-Dinitrophenol	ug/l	22 U		20 U		22 U		20 U	
SW8468270C	2,4-Dinitrotoluene	ug/l	11 U		10 U		11 U		10 U	
SW8468270C	2,6-Dinitrotoluene	ug/l	11 U		10 U		11 U		10 U	
SW8468270C	2-Chloronaphthalene	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	2-Chlorophenol	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	2-Methylnaphthalene	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	2-Methylphenol	ug/l	11 U		10 U		11 U		10 U	
SW8468270C	2-Nitroaniline	ug/l	11 U		10 U		11 U		10 U	
SW8468270C	2-Nitrophenol	ug/l	11 U		10 U		11 U		10 U	
SW8468270C	3 and 4 Methylphenol	ug/l	11 U		10 U		11 U		10 U	
SW8468270C	3,3'-Dichlorobenzidine	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	3-Nitroaniline	ug/l	11 U		10 U		11 U		10 U	
SW8468270C	4,6-Dinitro-2-methylphenol	ug/l	11 U		10 U		11 U		10 U	
SW8468270C	4-Bromophenyl phenyl ether	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	4-Chloro-3-methylphenol	ug/l	11 U		10 U		11 U		10 U	
SW8468270C	4-Chloroaniline	ug/l	11 UJ		10 UJ		11 UJ		10 UJ	
SW8468270C	4-Chlorophenyl phenyl ether	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	4-Nitroaniline	ug/l	11 U		10 U		11 U		10 U	
SW8468270C	4-Nitrophenol	ug/l	22 U		20 U		22 U		20 U	
SW8468270C	Acenaphthene	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Acenaphthylene	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Acetophenone	ug/l	11 U		10 U		11 U		10 U	
SW8468270C	Anthracene	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Atrazine	ug/l	11 U		10 U		11 U		10 U	
SW8468270C	Benzaldehyde	ug/l	22 U		20 U		22 U		20 U	
SW8468270C	Benzo(a)anthracene	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Benzo(a)pyrene	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Benzo(b)fluoranthene	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Benzo(ghi)perylene	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Benzo(k)fluoranthene	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Biphenyl	ug/l	11 U		10 U		11 U		10 U	
SW8468270C	Bis(2-Chloroethoxy)methane	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Bis(2-Chloroethyl)ether	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Bis(2-Chloroisopropyl)ether	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Bis(2-Ethylhexyl)phthalate	ug/l	2.4 U		3 U		3 U		2.4 U	
SW8468270C	Butylbenzylphthalate	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Caprolactum	ug/l	11 UJ		10 UJ		11 UJ		10 UJ	
SW8468270C	Carbazole	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Chrysene	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Di-n-butylphthalate	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Di-n-octylphthalate	ug/l	5.4 UJ		5 UJ		5.6 UJ		5 UJ	
SW8468270C	Dibenz(a,h)anthracene	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Dibenzofuran	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Diethylphthalate	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Dimethylphthalate	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Fluoranthene	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Fluorene	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Hexachlorobenzene	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Hexachlorobutadiene	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Hexachlorocyclopentadiene	ug/l	11 UJ		10 UJ		11 UJ		10 UJ	
SW8468270C	Hexachloroethane	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Indeno(1,2,3-cd)pyrene	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Isophorone	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	N-Nitrosodi-n-propylamine	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	N-Nitrosodiphenylamine	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Naphthalene	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Nitrobenzene	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Pentachlorophenol	ug/l	11 U		10 U		11 U		10 U	
SW8468270C	Phenanthrene	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Phenol	ug/l	5.4 U		5 U		5.6 U		5 U	
SW8468270C	Pyrene	ug/l	5.4 U		5 U		5.6 U		5 U	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
 DATA USABILITY SUMMARY REPORT
 OCT 2009 AND JAN 2010 MONITORING WELL SAMPLING PROGRAM
 REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group		M88678		
Location		MW-5		
Sample Date		1/14/2010		
Sample ID		130056AS00502202XX		
Qc Code		FS		
Analysis	Parameter	Units	Result	Qualifier
SW8468270C	2,4,5-Trichlorophenol	ug/l		R
SW8468270C	2,4,6-Trichlorophenol	ug/l		R
SW8468270C	2,4-Dichlorophenol	ug/l		R
SW8468270C	2,4-Dimethylphenol	ug/l		R
SW8468270C	2,4-Dinitrophenol	ug/l		R
SW8468270C	2,4-Dinitrotoluene	ug/l	50	U
SW8468270C	2,6-Dinitrotoluene	ug/l	50	U
SW8468270C	2-Chloronaphthalene	ug/l	25	U
SW8468270C	2-Chlorophenol	ug/l		R
SW8468270C	2-Methylnaphthalene	ug/l	25	U
SW8468270C	2-Methylphenol	ug/l		R
SW8468270C	2-Nitroaniline	ug/l	50	U
SW8468270C	2-Nitrophenol	ug/l		R
SW8468270C	3 and 4 Methylphenol	ug/l		R
SW8468270C	3,3'-Dichlorobenzidine	ug/l	25	U
SW8468270C	3-Nitroaniline	ug/l	50	U
SW8468270C	4,6-Dinitro-2-methylphenol	ug/l		R
SW8468270C	4-Bromophenyl phenyl ether	ug/l	25	U
SW8468270C	4-Chloro-3-methylphenol	ug/l		R
SW8468270C	4-Chloroaniline	ug/l	50	UJ
SW8468270C	4-Chlorophenyl phenyl ether	ug/l	25	U
SW8468270C	4-Nitroaniline	ug/l	50	UJ
SW8468270C	4-Nitrophenol	ug/l		R
SW8468270C	Acenaphthene	ug/l	25	U
SW8468270C	Acenaphthylene	ug/l	25	U
SW8468270C	Acetophenone	ug/l	50	U
SW8468270C	Anthracene	ug/l	25	U
SW8468270C	Atrazine	ug/l	50	U
SW8468270C	Benzaldehyde	ug/l	100	U
SW8468270C	Benzo(a)anthracene	ug/l	25	U
SW8468270C	Benzo(a)pyrene	ug/l	25	U
SW8468270C	Benzo(b)fluoranthene	ug/l	25	U
SW8468270C	Benzo(ghi)perylene	ug/l	25	U
SW8468270C	Benzo(k)fluoranthene	ug/l	25	UJ
SW8468270C	Biphenyl	ug/l	50	U
SW8468270C	Bis(2-Chloroethoxy)methane	ug/l	25	U
SW8468270C	Bis(2-Chloroethyl)ether	ug/l	25	U
SW8468270C	Bis(2-Chloroisopropyl)ether	ug/l	25	U
SW8468270C	Bis(2-Ethylhexyl)phthalate	ug/l	10	U
SW8468270C	Butylbenzylphthalate	ug/l	25	U
SW8468270C	Caprolactum	ug/l	50	UJ
SW8468270C	Carbazole	ug/l	25	U
SW8468270C	Chrysene	ug/l	25	U
SW8468270C	Di-n-butylphthalate	ug/l	25	U
SW8468270C	Di-n-octylphthalate	ug/l	25	UJ
SW8468270C	Dibenz(a,h)anthracene	ug/l	25	U
SW8468270C	Dibenzofuran	ug/l	25	U
SW8468270C	Diethylphthalate	ug/l	25	U
SW8468270C	Dimethylphthalate	ug/l	25	U
SW8468270C	Fluoranthene	ug/l	25	U
SW8468270C	Fluorene	ug/l	25	U
SW8468270C	Hexachlorobenzene	ug/l	25	U
SW8468270C	Hexachlorobutadiene	ug/l	25	U
SW8468270C	Hexachlorocyclopentadiene	ug/l	50	UJ
SW8468270C	Hexachloroethane	ug/l	25	U
SW8468270C	Indeno(1,2,3-cd)pyrene	ug/l	25	U
SW8468270C	Isophorone	ug/l	25	U
SW8468270C	N-Nitrosodi-n-propylamine	ug/l	25	U
SW8468270C	N-Nitrosodiphenylamine	ug/l	25	U
SW8468270C	Naphthalene	ug/l	25	U
SW8468270C	Nitrobenzene	ug/l	25	U
SW8468270C	Pentachlorophenol	ug/l		R
SW8468270C	Phenanthrene	ug/l	25	U
SW8468270C	Phenol	ug/l		R
SW8468270C	Pyrene	ug/l	25	U

Notes:

QC Code: FS =field sample; FD=field duplicate.

Qualifiers: U=non detect; J=estimated

Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
 DATA USABILITY SUMMARY REPORT
 OCT 2009 AND JAN 2010 MONITORING WELL SAMPLING PROGRAM
 REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M86895	M88581	M88678	M88678		
Location			MW-1 (RR)	MW-10	MW3B	MW-3B		
Sample Date			10/27/2009	1/12/2010	1/14/2010	1/14/2010		
Sample ID			130056MW1RR01901XX	130056MW01002502XX	130056MW03B05302XD	130056MW03B05302XX		
Qc Code			FS	FS	FD	FS		
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8466010B	Aluminum	ug/l	200	U	200	U	200	U
SW8466010B	Antimony	ug/l	6	U	6	U	6	U
SW8466010B	Arsenic	ug/l	10	U	10	U	10	U
SW8466010B	Barium	ug/l	200	U	200	U	200	U
SW8466010B	Beryllium	ug/l	4	U	4	U	4	U
SW8466010B	Cadmium	ug/l	4	U	4	U	4	U
SW8466010B	Calcium	ug/l	13300		24100		12300	
SW8466010B	Chromium	ug/l	10	U	10	U	10	U
SW8466010B	Cobalt	ug/l	50	U	50	U	50	U
SW8466010B	Copper	ug/l	25	U	25	U	25	U
SW8466010B	Iron	ug/l	100	U	737		16600	
SW8466010B	Lead	ug/l	5	U	5	U	5	U
SW8466010B	Magnesium	ug/l	5000	U	5000	U	5000	U
SW8466010B	Manganese	ug/l	35.8		941		70.7	
SW8466010B	Nickel	ug/l	40	U	40	U	40	U
SW8466010B	Potassium	ug/l	5000	U	5000	U	5000	U
SW8466010B	Selenium	ug/l	10	U	10	U	10	U
SW8466010B	Silver	ug/l	5	U	5	U	5	U
SW8466010B	Sodium	ug/l	35800		33600		5000	
SW8466010B	Thallium	ug/l	10	U	10	U	10	U
SW8466010B	Vanadium	ug/l	30	U	30	U	30	U
SW8466010B	Zinc	ug/l	20	U	20	U	34	
SW8467470A	Mercury	ug/l	0.2	U	0.2	U	0.2	U

Notes:

QC Code: FS =field sample; FD=field duplicate.

Qualifiers: U=non detect; J=estimated

Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
 DATA USABILITY SUMMARY REPORT
 OCT 2009 AND JAN 2010 MONITORING WELL SAMPLING PROGRAM
 REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M88581	M88581	M88581			
Location			MW-10	MW-4	MW-6			
Sample Date			1/12/2010	1/12/2010	1/12/2010			
Sample ID			130056MW01002502XX	130056MW00401602XX	130056MW00601802XX			
Qc Code			FS	FS	FS			
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier
ASTM516-90,02	Sulfate	mg/l	18.7		8.6			
EPA3532	Nitrate+Nitrite as N	mg/l	0.65		0.87			
EPA3532	Nitrite as N	mg/l	0.033		0.01 U			
EPA3532C	Nitrate as N	mg/l	0.62		0.87			
RSKSOP-147/175	Carbon Dioxide	ug/l	6200		7230		6830	
RSKSOP-147/175	Ethane	ug/l	10 U		10 U			
RSKSOP-147/175	Ethene	ug/l	10 U		10 U			
RSKSOP-147/175	Methane	ug/l	10 U		19.4			
SM212320B	Total Alkalinity, as CaCO3	mg/l	59.9		40.7		46	
SM214500CLC	Chloride	mg/l	56		36.5		29	
SM214500SF	Sulfide	mg/l	2 U		2 U			
SM215310B	Total Organic Carbon	mg/l	1 U		1 U			

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: mg/l = milligrams per liter
 ug/l = micrograms per liter

TABLE 3 - VOC TICs
 DATA USABILITY SUMMARY REPORT
 OCT 2009 AND JAN 2010 MONITORING WELL SAMPLING PROGRAM
 REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

SDG	Sample ID	Lab Sample ID	CAS No	Compound	Final Result (µg/L)	Qualifier	Sample Date	Analysis Date
M86895	130056MW4MM01501XX	M86895-7	108-67-8	Benzene, 1,3,5-trimethyl-	130	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	22228-27-9	Cycloprop[<i>a</i>]inden-6-ol, 1,1a,6,6a-tetra-	41	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	22228-27-9	Cycloprop[<i>a</i>]inden-6-ol, 1,1a,6,6a-tetra-	39	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	3261-62-9	2-(<i>p</i> -Tolyl)ethylamine	22	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	488-23-3	Benzene, 1,2,3,4-tetramethyl-	20	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	496-11-7	Indane	49	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	49826-54-2	Bicyclo[3.2.1]octane, 2,3-bis(methylene)	35	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	526-73-8	Benzene, 1,2,3-trimethyl-	20	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	529-20-4	Benzaldehyde, 2-methyl-	57	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	532-27-4	Ethanone, 2-chloro-1-phenyl-	23	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	560-21-4	Pentane, 2,3,3-trimethyl-	31	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	565-75-3	Pentane, 2,3,4-trimethyl-	21	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	589-34-4	Hexane, 3-methyl-	19	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	594-82-1	Butane, 2,2,3,3-tetramethyl-	61	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	611-14-3	Benzene, 1-ethyl-2-methyl-	49	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	622-96-8	Benzene, 1-ethyl-4-methyl-	25	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	21	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	28	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	96-14-0	Pentane, 3-methyl-	47	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	96-37-7	Cyclopentane, methyl-	52	JN	10/27/2009	11/10/2009
M88678	130056MW4MM01502XX	M88678-8	103-65-1	Benzene, propyl-	63	JN	1/13/2010	1/16/2010
M88678	130056MW4MM01502XX	M88678-8	108-87-2	Cyclohexane, methyl-	49	JN	1/13/2010	1/16/2010
M88678	130056MW4MM01502XX	M88678-8	109-66-0	Pentane	340	JN	1/13/2010	1/16/2010
M88678	130056MW4MM01502XX	M88678-8	120-72-9	Indole	54	JN	1/13/2010	1/16/2010
M88678	130056MW4MM01502XX	M88678-8	274-40-8	Indolizine	100	JN	1/13/2010	1/16/2010
M88678	130056MW4MM01502XX	M88678-8	3522-94-9	Hexane, 2,2,5-trimethyl-	65	JN	1/13/2010	1/16/2010
M88678	130056MW4MM01502XX	M88678-8	75-83-2	Butane, 2,2-dimethyl-	150	JN	1/13/2010	1/16/2010
M88678	130056MW4MM01502XX	M88678-8	78-78-4	Butane, 2-methyl-	230	JN	1/13/2010	1/16/2010
M88678	130056MW4MM01502XX	M88678-8	95-36-3	1,2,4-Trimethylbenzene	130	JN	1/13/2010	1/16/2010

TABLE 3 - SVOC TICs
 DATA USABILITY SUMMARY REPORT
 OCT 2009 AND JAN 2010 MONITORING WELL SAMPLING PROGRAM
 REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

SDG	Sample ID	Lab Sample ID	CAS No	Compound	Final Result (µg/L)	Qualifier	Sample Date	Analysis Date
M86895	130056MW00401601XX	M86895-3	608-33-3	Phenol, 2,6-dibromo-	8.1	JN	10/27/2009	11/7/2009
M86895	130056MW1RR01901XX	M86895-5	127-18-4	Tetrachloroethylene	140	JN	10/27/2009	11/7/2009
M86895	130056MW4MM01501XX	M86895-7	100-41-4	Ethylbenzene	22	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	105-05-5	Benzene, 1,4-diethyl-	19	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	108-38-3	Benzene, 1,3-dimethyl-	11	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	141-93-5	Benzene, 1,3-diethyl-	23	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	1758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	22	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	2039-89-6	Benzene, 2-ethyl-1,4-dimethyl-	13	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	2039-89-6	Benzene, 2-ethyl-1,4-dimethyl-	26	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	496-11-7	Indane	31	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	526-73-8	Benzene, 1,2,3-trimethyl-	17	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	611-14-3	Benzene, 1-ethyl-2-methyl-	29	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	611-14-3	Benzene, 1-ethyl-2-methyl-	32	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	95-36-3	1,2,4-Trimethylbenzene	91	JN	10/27/2009	11/10/2009
M86895	130056MW4MM01501XX	M86895-7	95-93-2	Benzene, 1,2,4,5-tetramethyl-	9.4	JN	10/27/2009	11/10/2009
M88581	130056MW2RR01702XX	M88581-12	106-24-1	2,6-Octadien-1-ol, 3,7-dimethyl-,	9.1	JN	1/11/2010	1/20/2010
M88581	130056MW08S01602XX	M88581-6	104-40-5	4-Nonylphenol	10	JN	1/12/2010	1/20/2010
M88581	130056MW08S01602XX	M88581-6	256-81-5	5H-Dibenzof[a,d]cycloheptene	8.0	JN	1/12/2010	1/20/2010
M88678	130056S001XX02XX	M88678-10	55682-89-8	Cyclohexane, 1,1,1-(1-propanyl-	4.7	JN	1/13/2010	1/21/2010
M88678	130056S001XX02XX	M88678-10	629-54-9	Hexadecanamide	6.5	JN	1/13/2010	1/21/2010
M88678	130056MW0201402XX	M88678-13	143-07-7	Dodecanoic acid	4.1	JN	1/13/2010	1/21/2010
M88678	130056MW0201402XX	M88678-13	301-02-0	9-Octadecanamide, (Z)-	8.3	JN	1/13/2010	1/21/2010
M88678	130056MW0201402XX	M88678-13	4727-18-8	Cyclopentadecanone, 2-hydroxy-	7.8	JN	1/13/2010	1/21/2010
M88678	130056MW03A08602XX	M88678-2	10544-50-0	Sulfur, mol. (S8)	4.4	JN	1/14/2010	1/21/2010
M88678	130056MW03A08602XX	M88678-2	127-18-4	Tetrachloroethylene	32	JN	1/14/2010	1/21/2010
M88678	130056MW03B05302XX	M88678-3	100-23-2	Benzenamine, N,N-dimethyl-4-nitro-	13	JN	1/14/2010	1/21/2010
M88678	130056MW03B05302XX	M88678-3	62238-37-3	3-Penten-1-ol, 2-methyl-	8.6	JN	1/14/2010	1/21/2010
M88678	130056MW03B05302XX	M88678-3	691-38-3	2-Pentene, 4-methyl-, (Z)-	6.1	JN	1/14/2010	1/21/2010
M88678	130056MW03B05302XD	M88678-4	127-18-4	Tetrachloroethylene	11	JN	1/14/2010	1/21/2010
M88678	130056MW03D06202XX	M88678-6	143-07-7	Dodecanoic acid	5.4	JN	1/14/2010	1/21/2010
M88678	130056MW03D06202XX	M88678-6	527-84-4	Benzene, 1-methyl-2-(1-methylethyl)	5.7	JN	1/14/2010	1/21/2010
M88678	130056MW03D06202XX	M88678-6	7704-34-9	Sulfur	5.0	JN	1/14/2010	1/21/2010
M88678	130056MW4MM01502XX	M88678-8	100-41-4	Ethylbenzene	17	JN	1/13/2010	1/21/2010
M88678	130056MW4MM01502XX	M88678-8	103-65-1	Benzene, propyl-	18	JN	1/13/2010	1/21/2010
M88678	130056MW4MM01502XX	M88678-8	105-05-5	Benzene, 1,4-diethyl-	22	JN	1/13/2010	1/21/2010
M88678	130056MW4MM01502XX	M88678-8	108-38-3	Benzene, 1,3-dimethyl-	16	JN	1/13/2010	1/21/2010
M88678	130056MW4MM01502XX	M88678-8	108-38-3	Benzene, 1,3-dimethyl-	14	JN	1/13/2010	1/21/2010
M88678	130056MW4MM01502XX	M88678-8	108-67-8	Benzene, 1,3,5-trimethyl-	22	JN	1/13/2010	1/21/2010
M88678	130056MW4MM01502XX	M88678-8	141-93-5	Benzene, 1,3-diethyl-	24	JN	1/13/2010	1/21/2010

TABLE 3 - SVOC TICs
 DATA USABILITY SUMMARY REPORT
 OCT 2009 AND JAN 2010 MONITORING WELL SAMPLING PROGRAM
 REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

SDG	Sample ID	Lab Sample ID	CAS No	Compound	Final Result (µg/L)	Qualifier	Sample Date	Analysis Date
M88678	130056MW4MM01502XX	M88678-8	2039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	31	JN	1/13/2010	1/21/2010
M88678	130056MW4MM01502XX	M88678-8	300-57-2	Benzene, 2-propenyl-	34	JN	1/13/2010	1/21/2010
M88678	130056MW4MM01502XX	M88678-8	526-73-8	Benzene, 1,2,3-trimethyl-	99	JN	1/13/2010	1/21/2010
M88678	130056MW4MM01502XX	M88678-8	620-14-4	Benzene, 1-ethyl-3-methyl-	45	JN	1/13/2010	1/21/2010
M88678	130056MW4MM01502XX	M88678-8	874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	13	JN	1/13/2010	1/21/2010
M88678	130056MW4MM01502XX	M88678-8	933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	18	JN	1/13/2010	1/21/2010
M88678	130056MW4MM01502XX	M88678-8	95-93-2	Benzene, 1,2,4,5-tetramethyl-	27	JN	1/13/2010	1/21/2010
M88678	130056MW5MM01602XX	M88678-9	109-29-5	Oxacycloheptadecan-2-one	4.7	JN	1/13/2010	1/21/2010
M88678	130056MW5MM01602XX	M88678-9	301-02-0	9-Octadecenamide, (Z)-	9.1	JN	1/13/2010	1/21/2010

**DATA USABILITY SUMMARY REPORT
2009/2010 SAMPLING PROGRAM
IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK**

1.0 INTRODUCTION

Air samples were collected January 12, 2010, at the Gent Uniform Rental Service Site (Site) in Massapequa, New York, and submitted for analysis to Con-test Analytical Laboratory located in East Longmeadow, Massachusetts. Results were reported in Sample Delivery Group (SDG) 10A0364. A listing of samples included in this Data Usability Summary Report is presented in Table 1. A summary of the analytical results is presented in Table 2. Samples were analyzed for:

- Volatile organic compounds (VOCs) by USEPA Method TO-15

Deliverables for the off-site laboratory analyses included a Category B deliverable as defined in the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols (NYSDEC, 2005) for SDG 10A0364.

A project chemist review was completed based on NYSDEC Division of Environmental Remediation guidance for Data Usability Summary Reports (NYSDEC, 2002) for SDG 10A0364. Laboratory QC limits were used during the data evaluation unless noted otherwise. The project chemist review included evaluations of sample collection, data package completeness, holding times, QC data (blanks, instrument calibrations, duplicates, surrogate recovery, and spike recovery), data transcription, electronic data reporting, calculations, and data qualification.

The following laboratory or data validation qualifiers are used in the final data presentation.

U = target analyte is not detected at the reported detection limit

UJ = target analyte is not detected at the reported detection limit and is estimated

Results are interpreted to be usable as reported by the laboratory unless discussed in the following sections.

2.0 VOCs

VOC – Sample Collection

SDG 10A0364

An ambient air sample being collected outside the Site was stolen during sample collection; therefore, no ambient air sample results were reported. The stolen Summa canister was reported to the Nassau County Police Department and a police report was filed (Victim's Crime Report #210CR0003473).

SDG 10A0364

The continuing calibration (analyzed January 25, 2010) associated with samples 130056-SS-01-01 and 130056-IA-01-01 had a percent difference greater than the control limit of 30 for benzyl chloride (-39.5). Benzyl chloride was not detected in the associated samples and quantitation limits were qualified as estimated (UJ) in samples 130056-SS-01-01 and 130056-IA-01-01.

Reference:

New York State Department of Environmental Conservation (NYSDEC), 2005. "Analytical Services Protocols"; July 2005.

New York State Department of Environmental Conservation (NYSDEC), 2002. "Technical Guidance for Site Investigation and Remediation-Appendix 2B"; Draft DER-10; Division of Environmental Remediation; December 2002.

Data Validator: Julie Ricardi

Ok for Julie Ricardi

Date: 2/24/2010

Chris Ricardi

Reviewed by Chris Ricardi, NRCC-EAC
Quality Assurance Officer

Date:

TABLE 1 - DUSR – GENT UNIFORM RENTAL SERVICE SITE

SDG	Media	Location	Sample ID	Sample Date	Class Method Fraction	QC Code	VOCs TO-15 N
10A0364	AIR	SS-01	SS-01-01	1/12/2010	FS		X
10A0364	AIR	IA-01	IA-01-01	1/12/2010	FS		X

Table 2
Data Usability Summary Report
January 2010 Air Sample Data Results
Remedial Investigation/Feasibility Study
Gent Uniform Rental Service
Massapequa, New York

Sample Delivery Group				10A0364		10A0364	
Lab Sample Id				10A0364-01		10A0364-02	
Location				SS-01		IA-01	
Sample Date				1/12/2010		1/12/2010	
Sample ID				130056-SS-01-01		130056-IA-01-01	
Qc Code				FS		FS	
Analysis	Fraction	Param Name	Units	Result	Qualifier	Result	Qualifier
TO15	N	1,1,1-Trichloroethane	UG/M3	0.35		0.27	U
TO15	N	1,1,2,2-Tetrachloroethane	UG/M3	0.34	U	0.34	U
TO15	N	1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	0.47		0.5	
TO15	N	1,1,2-Trichloroethane	UG/M3	0.27	U	0.27	U
TO15	N	1,1-Dichloroethane	UG/M3	0.2	U	0.2	U
TO15	N	1,1-Dichloroethene	UG/M3	0.2	U	0.2	U
TO15	N	1,2,4-Trichlorobenzene	UG/M3	0.37	U	0.37	U
TO15	N	1,2,4-Trimethylbenzene	UG/M3	1.9		0.99	
TO15	N	1,2-Dibromoethane	UG/M3	0.38	U	0.38	U
TO15	N	1,2-Dichloro-1,1,2,2-tetrafluoroethane	UG/M3	0.35	U	0.35	U
TO15	N	1,2-Dichlorobenzene	UG/M3	0.3	U	0.3	U
TO15	N	1,2-Dichloroethane	UG/M3	0.2	U	0.2	U
TO15	N	1,2-Dichloropropane	UG/M3	0.23	U	0.23	U
TO15	N	1,3,5-Trimethylbenzene	UG/M3	0.52		0.28	
TO15	N	1,3-Butadiene	UG/M3	0.22	U	0.22	U
TO15	N	1,3-Dichlorobenzene	UG/M3	0.3	U	0.3	U
TO15	N	1,4-Dichlorobenzene	UG/M3	0.3	U	0.3	U
TO15	N	2-Butanone	UG/M3	3		2.6	
TO15	N	2-Hexanone	UG/M3	0.2	U	0.42	
TO15	N	2-Propanol	UG/M3	1.6		1.1	
TO15	N	4-Ethyltoluene	UG/M3	0.43		0.25	
TO15	N	4-Methyl-2-pentanone	UG/M3	0.5		0.3	
TO15	N	Acetone	UG/M3	39		12	
TO15	N	Benzene	UG/M3	1.4		1.3	
TO15	N	Benzyl chloride	UG/M3	0.26	UJ	0.26	UJ
TO15	N	Bromodichloromethane	UG/M3	0.34	U	0.34	U
TO15	N	Bromoform	UG/M3	0.52	U	0.52	U
TO15	N	Bromomethane	UG/M3	0.19	U	0.19	U
TO15	N	Carbon disulfide	UG/M3	0.26		0.16	U
TO15	N	Carbon tetrachloride	UG/M3	0.46		0.45	
TO15	N	Chlorobenzene	UG/M3	0.23	U	0.23	U
TO15	N	Chlorodibromomethane	UG/M3	0.43	U	0.43	U
TO15	N	Chloroethane	UG/M3	0.13	U	0.13	U
TO15	N	Chloroform	UG/M3	0.24	U	0.24	U
TO15	N	Chloromethane	UG/M3	1		1	
TO15	N	Cis-1,2-Dichloroethene	UG/M3	0.2	U	0.2	U
TO15	N	cis-1,3-Dichloropropene	UG/M3	0.23	U	0.23	U
TO15	N	Cyclohexane	UG/M3	0.47		0.17	U
TO15	N	Dichlorodifluoromethane	UG/M3	2.6		2.7	
TO15	N	Ethanol	UG/M3	13		10	
TO15	N	Ethyl acetate	UG/M3	0.18	U	0.18	U
TO15	N	Ethyl benzene	UG/M3	2.5		0.91	
TO15	N	Heptane	UG/M3	0.85		0.39	
TO15	N	Hexachlorobutadiene	UG/M3	0.53	U	0.53	U
TO15	N	Hexane	UG/M3	1.1		0.7	
TO15	N	Methyl Tertbutyl Ether	UG/M3	0.18	U	0.18	U
TO15	N	Methylene chloride	UG/M3	0.78		0.69	U
TO15	N	Propylene	UG/M3	0.34	U	0.34	U
TO15	N	Styrene	UG/M3	0.24		0.21	U
TO15	N	Tetrachloroethene	UG/M3	89		20	
TO15	N	Tetrahydrofuran	UG/M3	0.15	U	0.15	U
TO15	N	Toluene	UG/M3	40		11	
TO15	N	trans-1,2-Dichloroethene	UG/M3	0.2	U	0.2	U
TO15	N	trans-1,3-Dichloropropene	UG/M3	0.23	U	0.23	U
TO15	N	Trichloroethene	UG/M3	0.27	U	0.27	U
TO15	N	Trichlorofluoromethane	UG/M3	1.3		1.4	
TO15	N	Vinyl acetate	UG/M3	0.7	U	0.7	U
TO15	N	Vinyl chloride	UG/M3	0.13	U	0.13	U
TO15	N	Xylene, m/p	UG/M3	7.2		2.9	
TO15	N	Xylene, o	UG/M3	2.1		0.96	

Notes:

Units: UG/M3 = micrograms per cubic meter

QC Code: FS = Field Sample

**DATA USABILITY SUMMARY REPORT
2010 INDOOR AIR, SUB-SLAB VAPOR AND GROUNDWATER SAMPLING
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK**

1.0 INTRODUCTION

Indoor air, sub-slab vapor, and groundwater samples were collected at the Gent Uniform Rental Service Site (Site) in Massapequa, New York in February, March, and May 2010 and submitted for off-site laboratory analysis. Air samples were analyzed by Con-Test Analytical Laboratory located in East Longmeadow, Massachusetts. Groundwater samples were analyzed by TestAmerica in Buffalo, New York. Results were reported in the following Sample Delivery Groups (SDGs): 10B0557, 10C0564, and RTE1198.

A listing of samples included in this Data Usability Summary Report is presented in Table 1. Samples were analyzed by the following methods:

- Volatile organic compounds (VOCs) by USEPA Method TO-15
- VOCs by USEPA Method SW-846-8260B

Deliverables for the off-site laboratory analyses included a Category B deliverable as defined in the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols (NYSDEC, 2005).

A project chemist review was completed based on NYSDEC Division of Environmental Remediation guidance for Data Usability Summary Reports (NYSDEC, 2002). Laboratory quality control (QC) limits were used during the data evaluation unless noted otherwise. The project chemist review included evaluations of sample collection, data package completeness, holding times, QC data (blanks, instrument calibrations, duplicates, surrogate recovery, and spike recovery), data transcription, electronic data reporting, calculations, and data qualification.

The following laboratory or data validation qualifiers are used in the final data presentation.

U = target analyte is not detected at the reported detection limit

J = concentration is estimated

UJ = target analyte is not detected at the reported detection limit and is estimated

D = result is reported from a diluted analysis

E = concentration of this analyte exceeds the calibration range of the instrument

A summary of the final analytical results is presented in Table 2. Results are interpreted to be usable as reported by the laboratory unless discussed in the following sections.

2.0 VOLATILE ORGANIC COMPOUNDS (VOCs) – AIR

Air samples were reported in SDGs 10B0557 and 10C0564. The laboratory provided results in units of ppbv and $\mu\text{g}/\text{m}^3$ in the data reports. Final results are reported in units of $\mu\text{g}/\text{m}^3$.

VOC - Blanks

A subset of sample results was qualified due to blank contamination.

SDG 10B0557

2-Butanone, methylene chloride, and 1,2,3-trichlorobenzene were detected in the method blank. A validation action level of 10x the blank concentration was established for 2-butanone and methylene chloride, and 5x the compound result for 1,2,3-trichlorobenzene. Detections of these compounds below the action level and above the reporting limit were qualified as non-detect (U). Detections of compounds below the reporting limit were qualified as non-detect (U) at the reporting limit.

SDG 10C0564

Detections of benzene, benzyl chloride, bromodichloromethane, bromoform, 2-butanone, carbon disulfide, chlorobenzene, dibromochloromethane, 1,2-dibromomethane, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, cis-1,2-dichloroethylene, ethylbenzene, 4-ethyltoluene, hexachlorobutadiene, hexane, 2-hexanone, methyl tert-butyl ether (MTBE), 4-methyl-2-pentanone, styrene, tetrachloroethylene, toluene, 1,2,4-trichlorobenzene, 1,1,2-trichloroethane, trichloroethylene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, m&p-xylene, and o-xylene were reported in the method blank analyzed on 26 Mar 2010. An action level of 10x the blank concentration was established for 2-butanone, and an action level of 5x the blank concentration was established for the remainder of detected compounds. Detections of benzene, benzyl chloride, 2-butanone, carbon disulfide, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, hexachlorobutadiene, 2-hexanone, styrene, toluene, 1,2,4-trichlorobenzene, trichloroethylene, 1,2,4-trimethylbenzen in associated samples below the action level and above the reporting limit were qualified as non-detects (U). Detections below the reporting limit were qualified as non-detects (U) at the reporting limit.

Detections of benzene, benzyl chloride, 2-butanone, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, hexachlorobutadiene, toluene, and 1,2,4-trimethylbenzene were reported in the method blank analyzed on 29 Mar 2010. An action level of 10x the blank concentration was established for 2-butanone, and an action level of 5x the blank concentration was established for the remainder of detected compounds. Detections of these compounds in associated samples below the action level and above the reporting limit were qualified as non-detects (U). Detections of compounds below the reporting limit were qualified as non-detects (U), at the reporting limit.

VOC - Initial and Continuing Calibration

A subset of sample results was qualified due to calibration response.

SDG 10B0557

Percent relative standard deviation (RSD) above the control limit of 30 was reported for acetone (72), ethanol (42), and methylene chloride (68) in the initial calibration dated 4 Aug 2009. Results for acetone, ethanol, and methylene chloride in the associated samples were qualified and estimated (J/UJ).

In the continuing calibration analyzed on February 26 (4:10 pm), 2010, the percent differences for methyl tertbutyl ether (MTBE) [-30.3] and hexachlorobutadiene (-39) exceeded the QC limit of

30. MTBE and hexachlorobutadiene were not detected in associated samples and reporting limits were qualified estimated (UJ).

In the continuing calibration analyzed on February 26 (4:46 pm), 2010, the percent difference for hexachlorobutadiene (-32) exceeded the QC limit of 30. Hexachlorobutadiene was not detected in associated samples, and reporting limits were qualified estimated (UJ).

In the continuing calibration analyzed on February 27 (5:15 pm), 2010, the percent differences for acetone (35), trichlorofluoromethane (-30.1), MTBE (-35), and hexachlorobutadiene (-44) exceeded the QC limit of 30. Associated sample results for acetone were previously qualified due to initial calibration. Trichlorofluoromethane, MTBE, and hexachlorobutadiene were not detected in samples, and reporting limits were qualified estimated (UJ).

SDG 10C0564

Percent relative standard deviation (RSD) above the control limit of 30 was reported for acetone (72), ethanol (42), and methylene chloride (68) in the initial calibration dated 4 Aug 2009. Results for acetone, ethanol, and methylene chloride in the associated samples were qualified and estimated (J/UJ).

In the continuing calibration analyzed on March 26, 2010, the percent difference for acetone (52), methylene chloride (48), and benzyl chloride (-460) exceeded the QC limit of 30. Associated sample results for acetone and methylene chloride were previously qualified due to initial calibration. Associated sample results benzyl chloride were qualified estimated (UJ).

In the continuing calibration analyzed on March 29, 2010, the percent difference for acetone (59), methylene chloride (54), and cyclohexane (34) exceeded the QC limit of 30. Associated sample results for acetone and methylene chloride were previously qualified. Associated sample results cyclohexane were qualified estimated (UJ).

VOC – Laboratory Control Sample Results

A subset of sample results was qualified due to low LCS recovery.

SDG 10C0564

In the laboratory control sample analyzed on 26 March, 2010, recoveries of acetone (57), 2-butanone (64), cyclohexane (70), 2-hexanone (69), isopropanol (67), and methylene chloride (65) were below the percent recovery control limit of 70 – 130. Results for acetone, 2-butanone, cyclohexane, 2-hexanone, isopropanol, and methylene chloride were qualified estimated (J/UJ) in the associated samples.

In the laboratory control sample analyzed on 29 March, 2010, recoveries of acetone (57), 1,3-butadiene (70), 2-butanone (65), cyclohexane (64), 2-hexanone (64), isopropanol (67), methylene chloride (62), 4-methyl-2-pentanone (69), and vinyl acetate (70) were below the percent recovery control limit of 70 – 130. Results for the compounds above were qualified estimated (J/UJ) in the associated samples.

VOC – Field Duplicates

A subset of sample results was qualified due to low field duplicate precision.

SDG 10B0557

Results for ethanol in field duplicate sample 130056-SS-03-01-DUP (RPD 80) exceeded the relative percent difference goal of 50. Ethanol detection in samples 130056-SS-03-01 and 130056-SS-03-01-DUP were qualified estimated (J).

SDG 10C0564

Results for heptane in field duplicate sample 130056-SS-07-01-DUP (RPD 59) exceeded the relative percent difference limit of 50. Heptane detections in samples 130056-SS-07-01 and 130056-SS-07-01-DUP were qualified estimated (J).

VOC - Sample Reporting

SDG 10B0557

Dilution analyses were performed on the following samples due to elevated concentrations of target compounds. Results from the original analysis and dilution analysis were combined in the final data set.

field_sample_id	qc_code	lab_sample_id	Method	Dilution Factor
130056-AA-02-01	FS	10B0557-07	TO-15	0.7017
130056-IA-02-01	FS	10B0557-08	TO-15	0.7017
130056-IA-02-01	FS	10B0557-08RE1	TO-15	20
130056-IA-03-01	FS	10B0557-09	TO-15	0.7017
130056-IA-03-01	FS	10B0557-09RE1	TO-15	20
130056-IA-04-01	FS	10B0557-10	TO-15	0.7017
130056-IA-04-01	FS	10B0557-10RE1	TO-15	20
130056-IA-06-01	FS	10B0557-12	TO-15	0.7017
130056-IA-06-01	FS	10B0557-12RE1	TO-15	20
130056-SS-03-01DUP	FD	10B0557-03	TO15	1.5
130056-SS-04-01	FS	10B0557-04	TO15	2
130056-SS-05-01	FS	10B0557-05	TO15	2

SDG 10C0564

Samples 130056-SS-07-01 and 130056-SS-07-01-DUP were analyzed with diluted sample concentrations due to elevated levels of target compounds. Reporting limits for compounds are elevated due to sample dilution.

3.0 VOLATILE ORGANIC COMPOUNDS (VOCS) – GROUNDWATER

Groundwater sample results were reported in SDG RTE1198.

Instrument Calibration

A subset of sample results was qualified due to calibration response.

The initial calibration was analyzed on 13 May, 2010 and had an RSD for 1,2-dibromo-3-chloropropane (22) above the limit of 20. 1,2-Dibromo-3-chloropropane was not detected in samples and reporting limits in associated samples were qualified as estimated (J/UJ).

The continuing calibration analyzed on 24 May, 2010 and had exceedances for percent difference limit of 20 for the following compounds: 1,1,2-trichloro-1,2,2-trifluoroethane (-25), 1,2-dibromo-3-chloropropane (-22), bromoform (-40), carbon disulfide (-43), dibromochloromethane (-27), and dichlorodifluoromethane (-25). The compounds above were not detected in samples, and reporting limits were qualified as estimated (UJ).

Sample Dilution Runs

Dilution analyses were performed on the following samples due to elevated concentrations of target compounds. Results from the original analysis and dilution analysis were combined in the final data set.

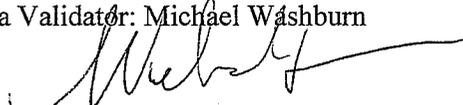
field sample id	qc code	lab sample id	Method	Dilution Factor
130056MW00903503XX	FS	RTE1198-11	8260B	2
130056MW01102503XX	FS	RTE1198-18	8260B	2
130056MW03A08603XX	FS	RTE1198-03	8260B	2
130056MW00701701703XX	FS	RTE1198-10	8260B	5
130056MW01002503XX	FS	RTE1198-17	8360B	10

Reference:

New York State Department of Environmental Conservation (NYSDEC), 2002. "Technical Guidance for Site Investigation and Remediation-Appendix 2B"; Draft DER-10; Division of Environmental Remediation; December 2002.

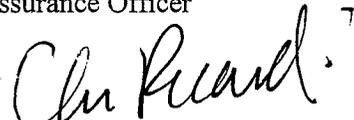
New York State Department of Environmental Conservation (NYSDEC), 2005. "Analytical Services Protocols"; July 2005.

Data Validator: Michael Washburn



Date: 7/6/2010

Reviewed by Chris Ricardi, NRCC-EAC
Quality Assurance Officer



Date: 7/6/10

TABLE 1 - SUMMARY OF SAMPLES
 DATA USABILITY SUMMARY REPORT 2010 SOIL VAPOR SAMPLING PROGRAM IN SUPPORT OF THE
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

SDG	Medi:	Location	Sample ID	Sample Date	Class Analysis Method Fraction Qc Code	VOC	VOC
						8260B T	TO-15 T
10B0557	Air	AA-2	130056-AA-02-01	2/24/2010	FS		X
10B0557	Air	IA-02	130056-IA-02-01	2/24/2010	FS		X
10B0557	Air	IA-03	130056-IA-03-01	2/24/2010	FS		X
10B0557	Air	IA-04	130056-IA-04-01	2/24/2010	FS		X
10B0557	Air	IA-05	130056-IA-05-01	2/24/2010	FS		X
10B0557	Air	IA-06	130056-IA-06-01	2/24/2010	FS		X
10B0557	SV	SS-02	130056-SS-02-01	2/24/2010	FS		X
10B0557	SV	SS-03	130056-SS-03-01	2/24/2010	FS		X
10B0557	SV	SS-03	130056-SS-03-01DUP	2/24/2010	FD		X
10B0557	SV	SS-04	130056-SS-04-01	2/24/2010	FS		X
10B0557	SV	SS-05	130056-SS-05-01	2/24/2010	FS		X
10B0557	SV	SS-06	130056-SS-06-01	2/24/2010	FS		X
10C0564	Air	AA-7	130056-AA-07-01	3/18/2010	FS		X
10C0564	Air	IA-07	130056-IA-07-01	3/18/2010	FS		X
10C0564	SV	SS-07	130056-SS-07-01	3/18/2010	FS		X
10C0564	SV	SS-07	130056-SS-07-01 DUP	3/18/2010	FD		X
RTE1198	GW	MW-1 (RR)	130056MW1RR01903XD	5/18/2010	FD	X	
RTE1198	GW	MW-1 (RR)	130056MW1RR01903XX	5/18/2010	FS	X	
RTE1198	GW	MW-10	130056MW01002503XX	5/18/2010	FS	X	
RTE1198	GW	MW-11	130056MW01102503XX	5/17/2010	FS	X	
RTE1198	GW	MW-3A	130056MW03A08603XX	5/20/2010	FS	X	
RTE1198	GW	MW-3B	130056MW03B05303XX	5/20/2010	FS	X	
RTE1198	GW	MW-3C	130056MW03C05003XX	5/20/2010	FS	X	
RTE1198	GW	MW-3D	130056MW03D06203XX	5/20/2010	FS	X	
RTE1198	GW	MW-4 (MM)	130056MW4MM01503XX	5/18/2010	FS	X	
RTE1198	GW	MW-5 (MM)	130056MW5MM01603XX	5/18/2010	FS	X	
RTE1198	GW	MW-6	130056MW00601803XX	5/18/2010	FS	X	
RTE1198	GW	MW-7	130056MW00701701703XX	5/17/2010	FS	X	
RTE1198	GW	MW-8D	130056MW08D07003XX	5/17/2010	FS	X	
RTE1198	GW	MW-8I	130056MW08I03503XX	5/18/2010	FS	X	
RTE1198	GW	MW-8S	130056MW08S01603XX	5/17/2010	FS	X	
RTE1198	GW	MW-9	130056MW00903503XX	5/18/2010	FS	X	
RTE1198	BW	QC	130056TB015	5/18/2010	FS	X	
RTE1198	NA-L	IDW	130056DRUM0103	5/18/2010	FS	X	

GW = groundwater
 BW = blank water
 SV = soil vapor

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT 2010 SOIL VAPOR SAMPLING PROGRAM IN SUPPORT OF THE
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Analysis	Parameter	10B0557 AA-2 2/24/2010 130056-AA-02-01 FS UG/M3		10B0557 IA-02 2/24/2010 130056-IA-02-01 FS UG/M3		10B0557 IA-03 2/24/2010 130056-IA-03-01 FS UG/M3		10B0557 IA-04 2/24/2010 130056-IA-04-01 FS UG/M3		10B0557 IA-05 2/24/2010 130056-IA-05-01 FS UG/M3		10B0557 IA-06 2/24/2010 130056-IA-06-01 FS UG/M3		10B0557 SS-02 2/24/2010 130056-SS-02-01 FS UG/M3	
		Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
TO-15	1,1,1-Trichloroethane	0.19	U	0.19	U	0.26		1.6		1.7		0.19	J	0.33	
TO-15	1,1,2,2-Tetrachloroethane	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.34	U
TO-15	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.55		0.58		0.58		0.59		0.54		0.56		0.64	
TO-15	1,1,2-Trichloroethane	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.27	U
TO-15	1,1-Dichloroethane	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.2	U
TO-15	1,1-Dichloroethene	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.2	U
TO-15	1,2,4-Trichlorobenzene	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.37	U
TO-15	1,2,4-Trimethylbenzene	0.17	J	1.1		2		0.37		0.26		5.7		0.6	
TO-15	1,2-Dibromoethane	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U	0.38	U
TO-15	1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.25	J	0.25	U	0.25	J	0.25	J	0.25	J	0.25	J	0.35	J
TO-15	1,2-Dichlorobenzene	0.21	U	0.21	U	0.21	U	0.21	J	0.21	U	0.21	UD	0.3	U
TO-15	1,2-Dichloroethane	0.14	U	1.1		0.14	J	0.14	J	0.14	U	0.14	U	0.2	U
TO-15	1,2-Dichloropropane	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.2		0.23	U
TO-15	1,3,5-Trimethylbenzene	0.17	J	0.32		0.5		0.17	J	0.17	J	1.6		0.25	J
TO-15	1,3-Butadiene	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.22	U
TO-15	1,3-Dichlorobenzene	0.21	U	0.21	U	0.21	U	0.21	J	0.21	U	0.21	U	0.3	U
TO-15	1,4-Dichlorobenzene	0.21	U	0.21	J	0.21	J	15		0.41		0.21	J	0.3	J
TO-15	2-Butanone	0.94	U	1.8		0.77	U	0.63	U	0.92	U	1.9		4.6	
TO-15	2-Hexanone	0.14	J	0.14	U	0.14	U	0.14	J	0.17		0.14	U	0.65	
TO-15	2-Propanol	0.75		34		3.3		4.7		1.4		8.6		0.25	U
TO-15	4-Ethyltoluene	0.17	J	0.22		0.53		0.17	J	0.17	J	1.7		0.25	J
TO-15	4-Methyl-2-pentanone	0.21		0.48		0.21		0.14	J	0.22		0.14	U	0.68	
TO-15	Acetone	2.9	J	44	JD	4.7	J	8.8	J	6.6	J	26	J	70	J
TO-15	Benzene	0.53		0.66		2.4		0.67		0.59		0.79		0.31	
TO-15	Benzyl chloride	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.26	U
TO-15	Bromodichloromethane	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.34	U
TO-15	Bromoform	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.52	U
TO-15	Bromomethane	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.19	U
TO-15	Carbon disulfide	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	5	
TO-15	Carbon tetrachloride	0.41		0.43		0.44		0.45		0.44		0.45		0.31	J
TO-15	Chlorobenzene	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.23	U
TO-15	Chlorodibromomethane	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U	0.43	U
TO-15	Chloroethane	0.093	U	0.53		0.093	U	0.093	U	0.093	U	0.093	U	0.13	U
TO-15	Chloroform	0.17	J	0.17	J	0.17	J	0.17	J	0.17	J	0.47		1.3	
TO-15	Chloromethane	1.1		1.3		1.2		1.1		1.1		1.2		0.1	U
TO-15	Cis-1,2-Dichloroethene	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.2	U
TO-15	cis-1,3-Dichloropropene	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.23	U
TO-15	Cyclohexane	0.12	U	0.34		1		0.31		0.12	U	0.12	U	0.17	U
TO-15	Dichlorodifluoromethane	2.7		2.9		3		2.9		2.9		3.1		3.1	
TO-15	Ethanol	5		1000	D	76	D	320	D	34		350	D	5.8	
TO-15	Ethyl acetate	0.13	U	22		1.4		4		0.13	U	3.5		0.18	U
TO-15	Ethyl benzene	0.15	J	0.44		2.5		0.23		0.17		6.1		1.1	
TO-15	Heptane	0.14	J	1.5		1.5		0.28		0.15		3.8		0.2	J
TO-15	Hexachlorobutadiene	0.37	UJ	0.37	UJ	0.37	UJ	0.37	UJ	0.37	UJ	0.37	UJ	0.53	UJ
TO-15	Hexane	0.35		0.95		5.2		0.42		0.31		0.77		0.4	
TO-15	Methyl Tertbutyl Ether	0.13	UJ	0.13	UJ	0.13	UJ	0.13	UJ	0.13	UJ	1.4	J	0.18	UJ
TO-15	Methylene chloride	0.59	UJ	1	UJ	1.3	UJ	0.79	UJ	0.63	UJ	0.82	UJ	0.69	UJ
TO-15	Propylene	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.34	U
TO-15	Styrene	0.15	J	0.28		0.15	J	0.15	J	0.15	J	0.26		1.6	
TO-15	Tetrachloroethene	0.24	J	0.93		0.24	J	1		0.33		0.92		2.4	
TO-15	Tetrahydrofuran	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.34		0.15	U
TO-15	Toluene	0.69		6.8		11		2		1.1		23		2.7	
TO-15	trans-1,2-Dichloroethene	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.2	U
TO-15	trans-1,3-Dichloropropene	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.23	U
TO-15	Trichloroethene	0.19	U	0.19	J	0.19	U	0.19	J	0.19	U	0.19	J	1.1	
TO-15	Trichlorofluoromethane	1.5		1.8		1.6		1.7		1.7		1.9		1.5	
TO-15	Vinyl acetate	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U	0.7	U
TO-15	Vinyl chloride	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.13	U
TO-15	Xylene, m/p	0.33		1.4		8.3		0.61		0.53		17		3.6	
TO-15	Xylene, o	0.15	J	0.55		2.5		0.23		0.2		6.3		0.99	

Notes:
 U = undetected
 J = estimated concentration
 D = dilution analysis
 E = exceeds calibration range (estimated)

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT 2010 SOIL VAPOR SAMPLING PROGRAM IN SUPPORT OF THE
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Analysis	Parameter	10B0557		10C0564		10C0564									
		Result	Qualifier												
TO-15	1,1,1-Trichloroethane	2.6		2.5		0.55 U		0.55 J		1		0.27 U		0.27 U	
TO-15	1,1,2,2-Tetrachloroethane	0.34 U		0.51 U		0.69 U		0.69 U		0.34 U		0.34 U		0.34 U	
TO-15	1,1,2-Trichloro-1,2,2-Trifluoroethane	0.64		0.66		0.77 J		0.77 J		0.61		0.52		0.49	
TO-15	1,1,2-Trichloroethane	0.27 U		0.41 U		0.55 U		0.55 U		0.27 U		0.27 U		0.27 U	
TO-15	1,1-Dichloroethane	0.2 U		0.3 U		0.4 U		0.4 U		0.2 U		0.2 U		0.2 U	
TO-15	1,1-Dichloroethene	0.2 U		0.3 U		0.4 U		0.4 U		0.2 U		0.2 U		0.2 U	
TO-15	1,2,4-Trichlorobenzene	0.37 U		0.56 U		0.74 U		0.74 U		0.37 U		0.37 U		0.37 U	
TO-15	1,2,4-Trimethylbenzene	2.6		2.9		0.49 J		0.49 J		1.2		1		1.3	
TO-15	1,2-Dibromoethane	0.38 U		0.58 U		0.77 U		0.77 U		0.38 U		0.38 U		0.38 U	
TO-15	1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.35 U		0.52 U		0.7 U		0.7 U		0.35 J		0.35 J		0.35 J	
TO-15	1,2-Dichlorobenzene	0.3 U		0.45 U		0.6 U		0.6 U		0.3 U		0.3 U		0.3 U	
TO-15	1,2-Dichloroethane	0.2 U		0.3 U		0.4 U		0.4 U		0.2 U		0.2 U		0.56	
TO-15	1,2-Dichloropropane	0.23 U		0.35 U		0.46 U		0.46 U		0.23 U		0.23 U		0.23 U	
TO-15	1,3,5-Trimethylbenzene	1.7		1.6		0.49 U		0.49 J		0.31		0.3		0.38	
TO-15	1,3-Butadiene	0.22 U		0.33 U		0.44 U		0.44 U		0.22 U		0.22 U		0.22 U	
TO-15	1,3-Dichlorobenzene	0.3 U		0.45 U		0.6 U		0.6 U		0.3 U		0.3 U		0.3 U	
TO-15	1,4-Dichlorobenzene	0.3 U		0.45 U		0.6 J		0.6 U		0.3 U		0.3 U		0.34 U	
TO-15	2-Butanone	2		1.3 U		2.4 U		2.6 U		1.3 U		1.7 J		14 J	
TO-15	2-Hexanone	0.2 U		0.31 U		0.41 J		0.44		0.2 U		0.44 J		0.3 J	
TO-15	2-Propanol	0.25 U		0.37 U		0.49 U		2.2		0.25 U		1.6 J		140 EJ	
TO-15	4-Ethyltoluene	0.87		0.88		0.49 U		0.49 U		0.25 J		0.3		0.41	
TO-15	4-Methyl-2-pentanone	0.74		0.77		0.41 J		0.41 J		0.63		0.22		0.58	
TO-15	Acetone	25 J		18 J		17 J		20 J		5.4 J		10 J		42 J	
TO-15	Benzene	1.1		1.5		0.32		0.32 J		0.41		1.6		1.7	
TO-15	Benzyl chloride	0.26 U		0.39 U		0.52 U		0.52 U		0.26 U		0.26 UJ		0.26 UJ	
TO-15	Bromodichloromethane	0.34 U		0.5 U		0.67 U		0.67 U		0.34 U		0.34 U		0.34 U	
TO-15	Bromoform	0.52 U		0.78 U		1 U		1 U		0.52 U		0.52 U		0.52 U	
TO-15	Bromomethane	0.19 U		0.29 U		0.39 U		0.39 U		0.19 U		0.19 U		0.19 U	
TO-15	Carbon disulfide	7.9		7.4		3.2		2.1		2.7		0.16 U		0.16 U	
TO-15	Carbon tetrachloride	0.31 J		0.47 J		0.63 U		0.63 J		0.31 J		0.42		0.43	
TO-15	Chlorobenzene	0.23 U		0.35 U		0.46 U		0.46 U		0.23 U		0.23 U		0.23 U	
TO-15	Chlorodibromomethane	0.43 U		0.64 U		0.85 U		0.85 U		0.43 U		0.43 U		0.43 U	
TO-15	Chloroethane	0.13 U		0.2 U		0.26 U		0.26 U		0.13 U		0.13 U		0.13 U	
TO-15	Chloroform	0.39		0.37 J		0.49 J		0.79		0.24 J		0.24 J		0.37	
TO-15	Chloromethane	0.1 U		0.15 U		0.21 U		0.21 U		0.1 U		0.92		1.2	
TO-15	Cis-1,2-Dichloroethene	0.2 U		0.3 U		0.4 U		0.4 U		0.2 U		0.2 U		0.2 U	
TO-15	cis-1,3-Dichloropropene	0.23 U		0.34 U		0.45 U		0.45 U		0.23 U		0.23 U		0.23 U	
TO-15	Cyclohexane	0.85		0.26 U		0.34 U		0.34 U		0.17 U		0.34 J		0.43 J	
TO-15	Dichlorodifluoromethane	3.1		3.1		3.2		3.3		2.8		2.1		2.4	
TO-15	Ethanol	4.7 J		11 J		5.6		4.4		2.3 J		16 J		510 EJ	
TO-15	Ethyl acetate	0.76		0.59		0.36 U		0.36 U		0.18 U		0.18 U		1.3	
TO-15	Ethyl benzene	2.3		2.5		0.43 J		0.43 J		0.84		0.74		1.8	
TO-15	Heptane	2.7		2.1		0.41 U		0.41 U		0.2 J		0.61		1.1	
TO-15	Hexachlorobutadiene	0.53 UJ		0.8 UJ		1.1 UJ		1.1 UJ		0.53 UJ		0.53 U		0.53 U	
TO-15	Hexane	2.2		3.3		0.35 U		0.35 J		0.18 U		1.2		2.8	
TO-15	Methyl Tertbutyl Ether	0.18 UJ		0.27 UJ		0.36 UJ		0.36 UJ		0.18 UJ		0.18 U		0.18 U	
TO-15	Methylene chloride	1.1 UJ		2.2 UJ		1.4 UJ		1.4 UJ		0.74 UJ		0.69 UJ		7.7 J	
TO-15	Propylene	0.34 U		0.52 U		0.69 U		0.69 U		0.34 U		0.34 U		0.34 U	
TO-15	Styrene	1.4		1.4		0.43 J		0.43 J		0.55		0.21 U		0.47	
TO-15	Tetrachloroethene	2.2		2		0.69		1.9		2.9		0.59		0.95	
TO-15	Tetrahydrofuran	0.15 U		0.22 U		0.29 U		0.29 U		0.15 U		0.15 U		5.7	
TO-15	Toluene	7.2		8.4		1		1.8		2.2		4.2		10	
TO-15	trans-1,2-Dichloroethene	0.2 U		0.3 U		0.4 U		0.4 U		0.2 U		0.2 U		0.2 U	
TO-15	trans-1,3-Dichloropropene	0.23 U		0.34 U		0.45 U		0.45 U		0.23 U		0.23 U		0.23 U	
TO-15	Trichloroethene	1.6		1.5		0.57		0.54 J		0.62		0.27 U		0.27 U	
TO-15	Trichlorofluoromethane	1.6 J		1.7 J		1.7 J		1.7 J		1.5 J		1.1		1.3	
TO-15	Vinyl acetate	0.7 U		1.1 U		1.4 U		1.4 U		0.7 U		0.7 U		0.7 U	
TO-15	Vinyl chloride	0.13 U		0.19 U		0.26 U		0.26 U		0.13 U		0.13 U		0.13 U	
TO-15	Xylene, m/p	8.1		8.5		0.87 J		1.1		2.6		2.2		4.7	
TO-15	Xylene, o	2.9		3		0.43 J		0.43 J		0.88		0.84		1.5	

Notes:
 U = undetected
 J = estimated concentration
 D = dilution analysis
 E = exceeds calibration range (estimated)

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT 2010 SOIL VAPOR SAMPLING PROGRAM IN SUPPORT OF THE
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group		10C0564		10C0564	
Location		SS-07		SS-07	
Sample Date		3/18/2010		3/18/2010	
Sample ID		130056-SS-07-01		0056-SS-07-01 DU	
Qc Code		FS		FD	
Units		UG/M3		UG/M3	
Analysis	Parameter	Result	Qualifier	Result	Qualifier
TO-15	1,1,1-Trichloroethane	0.82	J	0.55	U
TO-15	1,1,2,2-Tetrachloroethane	1	J	0.69	U
TO-15	1,1,2-Trichloro-1,2,2-Trifluoroethane	1.1	J	0.77	J
TO-15	1,1,2-Trichloroethane	0.82	U	0.55	U
TO-15	1,1-Dichloroethane	0.61	U	0.4	U
TO-15	1,1-Dichloroethene	0.59	U	0.4	U
TO-15	1,2,4-Trichlorobenzene	1.2		0.74	J
TO-15	1,2,4-Trimethylbenzene	0.74	U	0.49	U
TO-15	1,2-Dibromoethane	1.2	J	0.77	U
TO-15	1,2-Dichloro-1,1,2,2-tetrafluoroethane	1	J	0.7	U
TO-15	1,2-Dichlorobenzene	0.9	U	0.6	U
TO-15	1,2-Dichloroethane	0.61	U	0.4	U
TO-15	1,2-Dichloropropane	0.69	U	0.46	U
TO-15	1,3,5-Trimethylbenzene	0.74	J	0.49	J
TO-15	1,3-Butadiene	0.66	UJ	0.44	UJ
TO-15	1,3-Dichlorobenzene	0.9	U	0.6	U
TO-15	1,4-Dichlorobenzene	0.9	U	0.6	U
TO-15	2-Butanone	2.4	UJ	1.9	UJ
TO-15	2-Hexanone	0.8	J	0.52	J
TO-15	2-Propanol	1.9	J	1.5	J
TO-15	4-Ethyltoluene	0.74	J	0.49	J
TO-15	4-Methyl-2-pentanone	0.8	J	0.66	J
TO-15	Acetone	19	J	17	J
TO-15	Benzene	0.48	U	0.32	U
TO-15	Benzyl chloride	0.78	U	0.52	U
TO-15	Bromodichloromethane	1	U	0.67	U
TO-15	Bromoform	1.6	J	1	U
TO-15	Bromomethane	0.58	U	0.39	U
TO-15	Carbon disulfide	1		0.92	
TO-15	Carbon tetrachloride	0.94	J	0.63	J
TO-15	Chlorobenzene	0.69	J	0.46	U
TO-15	Chlorodibromomethane	1.3	U	0.85	U
TO-15	Chloroethane	0.4	U	0.26	U
TO-15	Chloroform	1.9		2	
TO-15	Chloromethane	0.31	U	0.21	U
TO-15	Cis-1,2-Dichloroethene	0.59	U	0.4	U
TO-15	cis-1,3-Dichloropropene	0.68	U	0.45	U
TO-15	Cyclohexane	0.52	UJ	0.34	UJ
TO-15	Dichlorodifluoromethane	2.3		2.5	
TO-15	Ethanol	5.7	J	5.8	J
TO-15	Ethyl acetate	0.54	U	0.36	U
TO-15	Ethyl benzene	0.65	J	0.43	J
TO-15	Heptane	2.2	J	1.2	J
TO-15	Hexachlorobutadiene	1.6	U	1.1	U
TO-15	Hexane	0.53	J	0.37	
TO-15	Methyl Tertbutyl Ether	0.54	U	0.36	U
TO-15	Methylene chloride	2.1	UJ	1.4	UJ
TO-15	Propylene	1	U	0.69	U
TO-15	Styrene	0.7		0.5	
TO-15	Tetrachloroethene	11		12	
TO-15	Tetrahydrofuran	0.44	U	0.29	U
TO-15	Toluene	2.6	U	2	
TO-15	trans-1,2-Dichloroethene	0.59	U	0.4	U
TO-15	trans-1,3-Dichloropropene	0.68	U	0.45	U
TO-15	Trichloroethene	0.81	J	0.54	U
TO-15	Trichlorofluoromethane	1.3		1.3	
TO-15	Vinyl acetate	2.1	UJ	1.4	UJ
TO-15	Vinyl chloride	0.38	U	0.26	U
TO-15	Xylene, m/p	1.3	J	0.87	J
TO-15	Xylene, o	0.65	J	0.43	J

Notes:
 U = undetected
 J = estimated concentration
 D = dilution analysis
 E = exceeds calibration range (estimated)

**DATA USABILITY SUMMARY REPORT
2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM
IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK**

1.0 INTRODUCTION

Direct push groundwater samples were collected from November 2, 2009, to December 4, 2009, at the Gent Uniform Rental Service Site (Site) in Massapequa, New York and submitted for analysis to Accutest Laboratories located in Marlborough, Massachusetts. Results were reported in Sample Delivery Groups (SDGs): M87036, M87118, M87699, M87768, and M87839. A listing of samples included in this Data Usability Summary Report is presented in Table 1. A summary of the final analytical results is presented on Table 2. A summary of tentatively identified compounds (TICs) is presented on Table 3. Samples were analyzed for:

- Volatile organic compounds (VOCs) by USEPA Method 8260B
- Semi Volatile organic compounds (SVOC) by USEPA Method 8270C

Deliverables for the off-site laboratory analyses included a Category B deliverable as defined in the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols (NYSDEC, 2005).

A project chemist review was completed based on NYSDEC Division of Environmental Remediation guidance for Data Usability Summary Reports (NYSDEC, 2002). Laboratory QC limits were used during the data evaluation unless noted otherwise. The project chemist review included evaluations of sample collection, data package completeness, holding times, QC data (blanks, instrument calibrations, duplicates, surrogate recovery, and spike recovery), data transcription, electronic data reporting, calculations, and data qualification.

The following laboratory or data validation qualifiers are used in the final data presentation.

U = target analyte is not detected at the reported detection limit

UJ = target analyte is not detected at the reported detection limit and is estimated

J = target analyte result is estimated

Results are interpreted to be usable as reported by the laboratory unless discussed in the following sections.

2.0 VOCs

VOC – Sample Preservation and Holding Times

SDG M87118

The following samples were not preserved with acid and were analyzed outside the seven day holding time for unpreserved samples:

130056GW00310X	130056GW00425X	130056GW00480D
130056GW00315X	130056GW00430X	130056GW00480X
130056GW00325X	130056GW00435X	130056GW00485X
130056GW00330X	130056GW00440X	130056GW00550X
130056GW00335X	130056GW00445X	130056GW00555X
130056GW00340X	130056GW00450D	130056GW00560X
130056GW00345X	130056GW00450X	130056GW00565X
130056GW00355X	130056GW00455X	130056GW00570X
130056GW00370X	130056GW00460X	130056GW00575X
130056GW00410X	130056GW00465X	130056GW00580X
130056GW00415X	130056GW00470X	130056GW00585X
130056GW00420X	130056GW00475X	130056GW00590X

Positive and non-detected results for all analytes in the above samples were qualified as estimated (J/UJ).

VOC - Initial and Continuing Calibration

SDG M87036

The continuing calibration standard (analyzed November 6, 2009) associated with a subset of samples had percent differences greater than the control limit of 20 for 2-butanone (25) and 1,4-dioxane (24). 2-Butanone and 1,4-dioxane were not detected in the associated samples and quantitation limits were qualified as estimated (UJ) in samples 130056GW00290X, 130056GW00290D, 130056GW00285X, 130056GW00280X, 130056GW00275X, 130056GW00270X, 130056GW00230X, 130056GW00220X, 130056GW00215X, 130056GW00210X, and 130056GW00520X.

The continuing calibration standard (analyzed November 9, 2009) associated with a subset of samples had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Dichlorodifluoromethane	46	UJ	130056GW00265X, 130056GW00260X,
Chloroethane	25	UJ	130056GW00260D, 130056GW00255X,
Trichlorofluoromethane	32	UJ	130056GW00250X, 130056GW00245X,
Acetone	-22	J/UJ	130056GW00240X, 130056GW00235X,
Methyl acetate	49	UJ	130056GW00225X, 130056GW00545X,
Isopropylbenzene	-36	UJ	130056GW00540X, 130056GW00535X,
1,3-Dichlorobenzene	-20	UJ	130056GW00530X, 130056GW00510X
1,2,4-Trichlorobenzene	-30	UJ	
1,2,3-Trichlorobenzene	-30	UJ	

Positive and non-detected results for the affected analytes were qualified as estimated (J/UJ) in associated samples as indicated in the above table.

The continuing calibration standard (analyzed November 10, 2009) associated with a subset of samples had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Dichlorodifluoromethane	42	UJ	130056GW00525X, 130056GW00515X
Chloromethane	20	UJ	
Chloroethane	23	UJ	
Trichlorofluoromethane	30	UJ	
Methyl acetate	45	UJ	
Isopropylbenzene	-32	UJ	
1,2,4-Trichlorobenzene	-26	UJ	
1,2,3-Trichlorobenzene	-27	UJ	

The affected analytes were not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) as indicated in the above table.

SDG M87118

The continuing calibration standard (analyzed November 13, 2009, 03:57) associated with a subset of samples had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Dichlorodifluoromethane	47	UJ	130056GW00455X, 130056GW00450X,
Chloromethane	41	UJ	130056GW00450D, 130056GW00445X,
Bromomethane	20	UJ	130056GW00440X, 130056GW00435X,
Chloroethane	22	UJ	130056GW00430X, 130056GW00425X,
Trichlorofluoromethane	29	UJ	130056GW00420X, 130056GW00415X,
Methyl acetate	49	UJ	130056GW00410X, 130056GW00550X
1,4-Dioxane	27	UJ	
4-Methyl-2-pentanone	24	UJ	
2-Hexanone	21	UJ	
Isopropylbenzene	-32	UJ	

The affected analytes were not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) as indicated in the above table.

The continuing calibration standard (analyzed November 13, 2009, 16:09) associated with a subset of samples had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Acetone	-44	UJ	130056GW00590X, 130056GW00585X,
Methyl acetate	39	UJ	130056GW00580X, 130056GW00575X,
Bromochloromethane	-20	UJ	130056GW00570X, 130056GW00565X,
Isopropylbenzene	-38	UJ	130056GW00560X, 130056GW00555X
1,2,4-Trichlorobenzene	-23	UJ	
1,2,3-Trichlorobenzene	-23	UJ	

The affected analytes were not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) as indicated in the above table.

The continuing calibration standard (analyzed November 12, 2009, 09:13) associated with a subset of samples had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Acetone	21	UJ	130056GW00175X, 130056GW00170X,
2-Hexanone	27	UJ	130056GW00165X, 130056GW00160X,
			130056GW00155X, 130056GW00150X,
			130056GW00150D, 130056GW00145X,
			130056GW00140X, 130056GW00135X,
			130056GW00130X, 130056GW00125X,
			130056GW00120X, 130056GW00110X,
			130056GW00365X, 130056GW00360X,
			130056GW00320X

The affected analytes were not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) as indicated in the above table.

SDG M87699

The initial calibration curve (analyzed November 30, 2009) had a percent relative standard deviation greater than 30 and a correlation coefficient less than 0.995 for acetone (0.990). Acetone was not detected in the associated samples, and quantitation limits for acetone were qualified as estimated (UJ) in the following samples:

130056GW01185X	130056GW01530X	130056GW01555X
130056GW01190X	130056GW01535D	130056GW01560X
130056GW01510X	130056GW01535X	130056GW01565D
130056GW01515X	130056GW01540X	130056GW01565X
130056GW01520X	130056GW01545X	
130056GW01525X	130056GW01550X	

The continuing calibration standard (analyzed December 1, 2009, 15:30) associated with a subset of samples had a percent difference greater than the control limit of 20 for chloromethane and 1,4-dioxane:

Analyte	%D	Qual	Affected Samples
Chloromethane	22	UJ	130056GW01185X, 130056GW01190X,
1,4-Dioxane	24	UJ	130056GW01510X, 130056GW01515X,
			130056GW01520X, 130056GW01525X,
			130056GW01530X, 130056GW01535D,
			130056GW01535X, 130056GW01540X,
			130056GW01545X, 130056GW01550X
			130056GW01555X, 130056GW01560X,
			130056GW01565D, 130056GW01565X

Chloromethane and 1,4-dioxane were not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) as indicated in the above table.

The continuing calibration standard (analyzed December 1, 2009, 11:15) associated with a subset of samples had a percent difference greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Acetone	-65	UJ	130056GW01110X, 130056GW01115X,
Methyl acetate	35	UJ	130056GW01120X, 130056GW01125X,
2-Butanone	-49	UJ	130056GW01130X, 130056GW01135D,
2-Hexanone	-31	UJ	130056GW01135X, 130056GW01140X,
Isopropylbenzene	-32	UJ	130056GW01145X, 130056GW01150X,
			130056GW01155X, 130056GW01160X
			130056GW01165X, 130056GW01170X,
			130056GW01175X, 130056GW01180X

These analytes were not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) as indicated in the above table.

SDG M87768

The initial calibration curve (analyzed November 30, 2009) had a percent relative standard deviation greater than 30 and a correlation coefficient less than 0.995 for acetone (0.990). Acetone was not detected in the associated samples, and quantitation limits for acetone were qualified as estimated (UJ) in the following samples:

130056GW00710X	130056GW00925X	130056GW01025X
130056GW00715X	130056GW00930X	130056GW01030X
130056GW00720X	130056GW00935D	130056GW01035X
130056GW00725X	130056GW00935X	130056GW01040X
130056GW00730X	130056GW00940X	130056GW01045X
130056GW00735X	130056GW00945X	130056GW01050X
130056GW00740X	130056GW00950X	130056GW01055X
130056GW00745X	130056GW00955X	130056GW01060X
130056GW00815X	130056GW00960X	130056GW01065X
130056GW00820X	130056GW00965D	130056GW01065X
130056GW00825X	130056GW00965X	130056GW01065X
130056GW00830X	130056GW00970X	130056GW01065X
130056GW00835X	130056GW00975X	130056GW01065X
130056GW00840X	130056GW01570X	130056GW01630X
130056GW00845X	130056GW01575X	130056GW01635X
130056GW00855X	130056GW01010X	
130056GW00860X	130056GW01015X	
130056GW00865X	130056GW01020X	

The continuing calibration standard (analyzed December 6, 2009, 01:36) associated with a subset of samples had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Dichlorodifluoromethane	-25	UJ	130056GW00710X, 130056GW00715X,
Acetone	-46	UJ	130056GW00720X, 130056GW00725X,
2-Butanone	-26	UJ	130056GW00730X, 130056GW00735X,
2-Hexanone	-61	UJ	130056GW00740X, 130056GW00745X,
			130056GW00815X, 130056GW00820X,
			130056GW00825X, 130056GW00830X,
			130056GW00835X, 130056GW00840X,
			130056GW00845X, 130056GW00855X,
			130056GW00860X, 130056GW00865X

These analytes were not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) as indicated in the above table.

The continuing calibration standard (analyzed December 7, 2009, 14:06) associated with a subset of samples had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Dichlorodifluoromethane	-36	UJ	130056GW00925X, 130056GW00930X,
Bromomethane	-39	UJ	130056GW00935D, 130056GW00935X,
Freon-113	-24	UJ	130056GW00940X, 130056GW00945X,
Acetone	49	UJ	130056GW00950X, 130056GW00955X,
2-Butanone	40	UJ	130056GW00960X, 130056GW00965D,
4-Methyl-2-pentanone	27	UJ	130056GW00965X, 130056GW00970X,
2-Hexanone	32	UJ	130056GW00975X, 130056GW01570X,
1,2,3-Trichlorobenzene	27	UJ	130056GW01575X

These analytes were not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) as indicated in the above table.

The continuing calibration standard (analyzed December 8, 2009, 02:45) associated with a subset of samples had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Dichlorodifluoromethane	-41	UJ	130056GW01010X, 130056GW01015X,
Bromomethane	-40	UJ	130056GW01020X, 130056GW01025X,
Trichlorofluoromethane	-26	UJ	130056GW01030X, 130056GW01035X,
Acetone	31	UJ	130056GW01040X, 130056GW01045X,
			130056GW01050X, 130056GW01055X,
			130056GW01060X, 130056GW01065X,
			130056GW01610X, 130056GW01615X,
			130056GW01620X, 130056GW01625X,
			130056GW01630X, 130056GW01635X

These analytes were not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) as indicated in the above table.

The continuing calibration standard (analyzed December 6, 2009, 09:25) associated with a subset of samples had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Dichlorodifluoromethane	-39	UJ	130056GW00750X, 130056GW00755D,
Chloromethane	38	UJ	130056GW00755X, 130056GW00760X,
Bromomethane	34	UJ	130056GW00765X, 130056GW00770X,
Trichlorofluoromethane	-29	UJ	130056GW00775X, 130056GW00810X,
Freon-113	-24	UJ	130056GW00850X, 130056GW00870D,
Acetone	24	J/UJ	130056GW00870X, 130056GW00875X,
1,1,1-Trichloroethane	-35	UJ	130056GW00880X, 130056GW00885X,
Carbon Tetrachloride	-57	UJ	130056GW00910X, 130056GW00915X,
Bromodichloromethane	-26	UJ	130056GW00920X
Dibromochloromethane	-26	UJ	

Positive and non-detected results for the affected analytes were qualified as estimated (J/UJ) as indicated in the above table.

The continuing calibration standard (analyzed December 9, 2009, 00:32) associated with a subset of samples had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Chloromethane	21	UJ	130056GW01070X, 130056GW01075X,
Bromomethane	27	UJ	130056GW01080X, 130056GW01640X,
Acetone	21	UJ	130056GW01645X, 130056GW01660X,
Methyl acetate	24	UJ	130056GW01665X, 130056GW01670X,
Methylene chloride	22	UJ	130056GW01675X, 130056GW01680X,
2-Butanone	25	UJ	130056GW01040D
Cis-1,3-Dichloropropene	23	UJ	
Trans-1,3-Dichloropropene	24	UJ	
1,2-Dibromo-3-chloropropane	24	UJ	

These analytes were not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) as indicated in the above table.

The continuing calibration standard (analyzed December 9, 2009) associated with the diluted analyses of samples 130056GW01020X and 130056GW01025X had a percent difference greater than the control limit of 20 for tetrachloroethene (-20.1). Positive detections of tetrachloroethene were reported from the diluted analyses of samples 130056GW01020X and 130056GW01025X, and results were qualified as estimated (J).

SDG M87839

The initial calibration curve (analyzed November 30, 2009) had a percent relative standard deviation greater than 30 and a correlation coefficient less than 0.995 for acetone (0.990). Acetone was not detected in the associated samples, and quantitation limits for acetone were qualified as estimated (UJ) in the following samples:

130056GW01240X	130056GW01345X	130056GW01430X
130056GW01245X	130056GW01350X	130056GW01435X
130056GW01270X	130056GW01355X	130056GW01440X
130056GW01310X	130056GW01360X	130056GW01450X
130056GW01315X	130056GW01365X	130056GW01455X
130056GW01320X	130056GW01370X	130056GW01460X
130056GW01325X	130056GW01375X	130056GW01465D
130056GW01330X	130056GW01410X	130056GW01465X
130056GW01335X	130056GW01415X	130056GW01715X
130056GW01340D	130056GW01420X	130056GW01720D
130056GW01340X	130056GW01425X	130056GW01775X

The continuing calibration standard (analyzed December 8, 2009, 18:54) associated with a subset of samples had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Acetone	-42	UJ	130056GW01240X, 130056GW01245X,
Methyl acetate	37	UJ	130056GW01310X, 130056GW01315X,
2-Butanone	-32	UJ	130056GW01320X, 130056GW01325X,
2-Hexanone	-22	UJ	130056GW01330X, 130056GW01335X,
Isopropylbenzene	-37	UJ	130056GW01340D, 130056GW01340X,
			130056GW01345X, 130056GW01350X,
			130056GW01355X, 130056GW01360X,
			130056GW01365X, 130056GW01370X,
			130056GW01375X

These analytes were not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) as indicated in the above table.

The continuing calibration standard (analyzed December 9, 2009, 08:00) associated with a subset of samples had a percent difference greater than the control limit of 20 for dichlorodifluoromethane:

Analyte	%D	Qual	Affected Samples
Dichlorodifluoromethane	-27	UJ	130056GW01410X, 130056GW01415X,
			130056GW01420X, 130056GW01425X,
			130056GW01430X, 130056GW01435X,
			130056GW01440X, 130056GW01450X,
			130056GW01455X, 130056GW01460X,
			130056GW01465D, 130056GW01465X

Dichlorodifluoromethane was not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) as indicated in the above table.

The continuing calibration standard (analyzed December 10, 2009, 11:09) associated with a subset of samples had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Acetone	49	UJ	130056GW01270X, 130056GW01775X,
2-Butanone	34	UJ	130056GW01715X, 130056GW01720D

These analytes were not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) as indicated in the above table.

The continuing calibration standard (analyzed December 9, 2009, 00:32) associated with a subset of samples had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Chloromethane	21	UJ	130056GW01210X, 130056GW01215X,
Bromomethane	27	UJ	130056GW01220X, 130056GW01225X,
Acetone	21	UJ	130056GW01230X, 130056GW01235X
Methyl acetate	24	UJ	
Methylene chloride	22	UJ	
2-Butanone	25	UJ	
Cis-1,3-Dichloropropene	23	UJ	
Trans-1,3-Dichloropropene	24	UJ	
1,2-Dibromo-3-chloropropane	24	UJ	

These analytes were not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) as indicated in the above table.

The continuing calibration standard (analyzed December 9, 2009, 12:44) associated with a subset of samples had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Acetone	-109	UJ	130056GW01445X, 130056GW01735X,
2-Butanone	-34	UJ	130056GW01740X, 130056GW01745X,
Tetrachloroethene	-20	J/UJ	130056GW01750X, 130056GW01755X,
2-Hexanone	-40	UJ	130056GW01760X, 130056GW01765X,
			130056GW01770X

Positive and non-detected results for these analytes were qualified as estimated (J/UJ) in the associated samples as indicated in the above table.

The continuing calibration standard (analyzed December 9, 2009, 09:16) associated with a subset of samples had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Acetone	53	UJ	130056GW01250X, 130056GW01255X,
2-Butanone	32	UJ	130056GW01260X, 130056GW01265X,
2-Hexanone	46	UJ	130056GW01275X, 130056GW01470X,
1,2,4-Trichlorobenzene	35	UJ	130056GW01475X, 130056GW01480X,
1,2,3-Trichlorobenzene	35	UJ	130056GW01485X, 130056GW01220D,
			130056GW01710X, 130056GW01720X,

		130056GW01725X, 130056GW01730X
--	--	--------------------------------

These analytes were not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) as indicated in the above table.

VOC – QC Blank Evaluation

SDG M87118

Chloroform was reported in the trip blank 130056TB003 (2.0 ug/L) and the equipment blank 130056EB001 (1.9 ug/L). An action level was calculated at five times the maximum concentration reported in the blanks and then compared to sample results. Low concentration detections of chloroform in samples 130056GW00115X, 130056GW00110X, 130056GW00320X, 130056GW00315X, and 130056GW00310X were below the action level and were qualified as non-detected (U).

VOC – Laboratory Control Samples

SDG M87036

Percent recoveries for dichlorodifluoromethane (53, 51) and trichlorofluoromethane (68, 66) were below control limits in the laboratory control sample analyzed on November 9, 2009.

Dichlorodifluoromethane and trichlorofluoromethane were not detected in the associated samples and quantitation limits were qualified as estimated (UJ) in 130056GW00265X, 130056GW00260X, 130056GW00260D, 130056GW00255X, 130056GW00250X, 130056GW00245X, 130056GW00240X, 130056GW00235X, 130056GW00225X, 130056GW00545X, 130056GW00540X, 130056GW00535X, 130056GW00530X, and 130056GW00510X.

Percent recoveries for dichlorodifluoromethane (58, 58) were below control limits in the laboratory control sample analyzed on November 10, 2009. Dichlorodifluoromethane was not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) in samples 130056GW00525X and 130056GW00515X.

SDG M87118

Percent recoveries for chloromethane (58), dichlorodifluoromethane (51), and trichlorofluoromethane (68) were below control limits in the laboratory control sample analyzed on November 13, 2009. These analytes were not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) in the following samples:

130056GW00410X	130056GW00430X	130056GW00450D
130056GW00415X	130056GW00435X	130056GW00450X
130056GW00420X	130056GW00440X	130056GW00455X
130056GW00425X	130056GW00445X	130056GW00550X

Percent recoveries for acetone (66, 60) and 2-hexanone (61, 62) were below control limits in the laboratory control samples analyzed on November 12, 2009. These analytes were not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) in the following samples:

130056GW00110X	130056GW00145X	130056GW00170X
130056GW00120X	130056GW00150D	130056GW00175X
130056GW00125X	130056GW00150X	130056GW00320X
130056GW00130X	130056GW00155X	130056GW00360X
130056GW00135X	130056GW00160X	130056GW00365X
130056GW00140X	130056GW00165X	

Percent recovery for chloromethane (69) was below control limits in the laboratory control samples analyzed on November 12, 2009. Chloromethane was not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) in the following samples:

130056GW00115X	130056GW00340X	130056GW00475X
130056GW00310X	130056GW00345X	130056GW00480D
130056GW00315X	130056GW00350X	130056GW00480X
130056GW00325X	130056GW00460X	130056GW00485X
130056GW00330X	130056GW00465X	
130056GW00335X	130056GW00470X	

Percent recoveries for chloromethane (69, 69) and dichlorodifluoromethane (69) were below control limits in the laboratory control samples analyzed on November 13, 2009. These analytes were not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) in the following samples:

130056GW00355X	130056GW00625X	130056GW00650X
130056GW00370X	130056GW00630X	130056GW00655X
130056GW00610X	130056GW00635X	130056GW00660X
130056GW00615X	130056GW00640X	130056GW00665X
130056GW00620X	130056GW00645X	130056GW00670X

SDG M87768

Percent recoveries for chloromethane (62, 64) were below control limits in the laboratory control samples analyzed on December 6, 2009. Chloromethane was not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) in the following samples:

130056GW00750X	130056GW00775X	130056GW00880X
130056GW00755D	130056GW00810X	130056GW00885X
130056GW00755X	130056GW00850X	130056GW00910X
130056GW00760X	130056GW00870D	130056GW00915X
130056GW00765X	130056GW00870X	130056GW00920X
130056GW00770X	130056GW00875X	

Percent recoveries for acetone (56, 56) were below control limits in the laboratory control samples analyzed on December 7, 2009. Acetone was not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) in the following samples:

130056GW00925X	130056GW00945X	130056GW00965X
130056GW00930X	130056GW00950X	130056GW00970X

130056GW00935D	130056GW00955X	130056GW00975X
130056GW00935X	130056GW00960X	130056GW01570X
130056GW00940X	130056GW00965D	130056GW01575X

Percent recoveries for dichlorodifluoromethane (66, 65) were below control limits in the laboratory control samples analyzed on December 8, 2009. Dichlorodifluoromethane was not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) in samples 130056GW01650X and 130056GW01655X.

SDG M87839

Percent recoveries for acetone (49, 51) and 2-hexanone (61, 66) were below control limits in the laboratory control sample analyzed on December 9, 2009. Acetone and 2-hexanone were not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) in the following samples:

130056GW01250X	130056GW01470X	130056GW01710X
130056GW01255X	130056GW01475X	130056GW01720X
130056GW01260X	130056GW01480X	130056GW01725X
130056GW01265X	130056GW01485X	130056GW01730X
130056GW01275X	130056GW01220D	

Percent recovery for dichlorodifluoromethane (66) was below control limits in the laboratory control sample analyzed on December 9, 2009. Dichlorodifluoromethane was not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) in samples 130056GW01445X, 130056GW01735X, 130056GW01740X, 130056GW01745X, 130056GW01750X, 130056GW01755X, 130056GW01760X, 130056GW01765X, and 130056GW01770X.

Percent recoveries for acetone (51, 58) and 2-butanone (58) were below control limits in the laboratory control sample analyzed on December 10, 2009. Acetone and 2-butanone were not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) in samples 130056GW01270X, 130056GW01775X, 130056GW01715X, and 130056GW01720D.

VOC – Matrix Spikes

SDG M87118

A matrix spike and matrix spike duplicate were performed on sample 130056GW00320X. Percent recoveries for acetone (54, 52), 2-butanone (67, 64), dichlorodifluoromethane (68), and 2-hexanone (59, 57) were below control limits. These analytes were not detected in the sample, and quantitation limits were qualified as estimated (UJ) in sample 130056GW00320X.

A matrix spike and matrix spike duplicate were performed on sample 130056GW00650X. Percent recoveries for acetone (65), dichlorodifluoromethane (68), and 2-hexanone (68) were below control limits. These analytes were not detected in the sample, and quantitation limits were qualified as estimated (UJ) in sample 130056GW00650X.

A matrix spike and matrix spike duplicate were performed on sample 130056GW00550X. Percent recovery for 1,4-dioxane (69) was below control limits. 1,4-Dioxane was not detected in

the sample, and the quantitation limit was qualified as estimated (UJ) in sample 130056GW00550X.

A matrix spike and matrix spike duplicate were performed on sample 130056GW00620X. Percent recoveries for acetone (53, 52), 2-butanone (58, 57), and 2-hexanone (61, 58) were below control limits. These analytes were not detected in the sample, and quantitation limits were qualified as estimated (UJ) in sample 130056GW00620X.

SDG M87699

A matrix spike and matrix spike duplicate were performed on sample 130056GW01190X. The relative percent difference between recoveries for 1,4-dioxane (35) was above the control limit. 1,4-Dioxane was not detected in the sample, and the quantitation limit was qualified as estimated (UJ) in sample 130056GW01190X.

A matrix spike and matrix spike duplicate were performed on sample 130056GW01130X. The percent recovery for 1,4-dioxane (64) was below control limits. In addition, relative percent differences between recoveries for acetone (43) and 2-butanone (33) were above the control limit, with matrix spike percent recoveries for acetone (183) and 2-butanone (155) above the control limits. Acetone, 2-butanone, and 1,4-dioxane were not detected in the sample, and quantitation limits were qualified as estimated (UJ) in sample 130056GW01130X.

SDG M87768

A matrix spike and matrix spike duplicate were performed on sample 130056GW00740X. Percent recoveries for acetone (64) and 2-butanone (67, 67) were below control limits. Acetone and 2-butanone were not detected in the sample and quantitation limits were qualified as estimated (UJ) in 130056GW00740X.

A matrix spike and matrix spike duplicate were performed on sample 130056GW00850X. Percent recoveries for bromomethane (62) and chloromethane (62, 65) were below control limits. Bromomethane and chloromethane were not detected in the sample and quantitation limits were qualified as estimated (UJ) in 130056GW00850X.

A matrix spike and matrix spike duplicate were performed on sample 130056GW01010X. Percent recovery for acetone (61) was below control limits. Acetone was not detected in the sample and the quantitation limit was qualified as estimated (UJ) in 130056GW01010X.

SDG M87839

A matrix spike and matrix spike duplicate were performed on sample 130056GW01445X. Percent recovery for dichlorodifluoromethane (68) was below control limits. Dichlorodifluoromethane was not detected in the sample and the quantitation limit was qualified as estimated (UJ) in 130056GW01445X.

A matrix spike and matrix spike duplicate was performed on sample 130056GW01730X. Percent recoveries for acetone (57, 59), 2-hexanone (62, 62), 1,2,3-trichlorobenzene (65, 68), and 1,2,4-trichlorobenzene (69) were below control limits. These analytes were not detected in the sample and quantitation limits were qualified as estimated (UJ) in sample 130056GW01730X.

VOC – Internal Standards

SDG M87699

The responses for internal standard 1,4-dichlorobenzene-d4 were below control limits in the following samples:

130056GW01125X	130056GW01145X	130056GW01170X
130056GW01130X	130056GW01150X	130056GW01175X
130056GW01135D	130056GW01155X	130056GW01180X
130056GW01135X	130056GW01160X	
130056GW01140X	130056GW01165X	

Target analytes associated with this internal standard were not detected in the samples, and quantitation limits for the following affected analytes were qualified as estimated (UJ) in the above samples: isopropyl benzene; 1,1,2,2-tetrachloroethane; 1,3-dichlorobenzene; 1,4-dichlorobenzene; 1,2-dichlorobenzene; 1,2-dibromo-3-chloropropane; 1,2,4-trichlorobenzene; and 1,2,3-trichlorobenzene.

SDG M87839

The response for internal standard 1,4-dichlorobenzene-d4 was below control limits in sample 130056GW01730X. Target analytes associated with this internal standard were not detected in the sample, and quantitation limits for the following affected analytes were qualified as estimated (UJ) in sample 130056GW01730X: isopropyl benzene; 1,1,2,2-tetrachloroethane; 1,3-dichlorobenzene; 1,4-dichlorobenzene; 1,2-dichlorobenzene; 1,2-dibromo-3-chloropropane; 1,2,4-trichlorobenzene; and 1,2,3-trichlorobenzene.

VOC - Tentatively Identified Compounds

TICs were reported for VOC samples if detected during the sample analysis. A summary of TICs is presented on Table 3. All TIC results are qualified NJ to indicate concentrations are estimated and there is uncertainty in the compound identification. The SVOC target compounds naphthalene, 2-methylnaphthalene, and fluorene were reported as tentatively identified compounds (TICs) in one or more VOC samples. In addition, multiple identical TIC names are reported for one or more samples. Due to the limited scope of the DUSR evaluation these TICs were left as reported, with blank contaminants and GC/MS artifacts being the only TICs removed during validation.

SDG M87036

Tentatively Identified Compounds (TICs) were reported in numerous samples in SDG M87036. TICs were primarily alkanes, substituted alkanes, alkenes, substituted alkenes, substituted cyclopropanes, substituted benzene, and substituted naphthalenes that may be indicative of fuel contamination. TICs also included substituted ketones, substituted alcohols, acetaldehyde, ethyl oxirane, and other organic compounds.

VOC - Sample Reporting

SDG M87839

The target analyte 1,2,3-trichlorobenzene for sample 130056GW01270X was not reported in the hardcopy data package or the electronic deliverable. The result was requested from the laboratory and a reissued Form 1 was received. The result was manually entered into the data base during data validation.

3.0 SVOCs

SVOC – Blank Contamination

SDG M87036

Bis(2-Ethylhexyl)phthalate (0.76 ug/L) was reported in the method blank. An action level was calculated at ten times the blank concentration and then compared to sample results. The low concentration detection of bis(2-ethylhexyl)phthalate in sample 130056GW00250X was below the action level and was qualified as non-detected (U).

SVOC - Laboratory Control Samples

SDG M87036

Percent recovery of caprolactam (23) was below the laboratory control limits indicating a potential low bias. Caprolactam was not detected in the samples, and quantitation limits were qualified as estimated (UJ) in samples 130056GW00270X and 130056GW00250X.

SVOC – Tentatively Identified Compounds

TICs were reported for SVOC samples if detected during the sample analysis. Results were reviewed for blank contaminants and GC/MS artifacts and qualified as described in USEPA validation guidelines. All TIC results are qualified NJ to indicate concentrations are estimated and there is uncertainty in the compound identification. A summary of TICs is presented on Table 3. VOC target compounds tetrachloroethene and ethyl benzene were reported as tentatively identified compounds (TICs) in one or more SVOC samples. These compounds are VOC target compounds and these results were removed from the summary. In addition, multiple identical TIC names are reported for one or more samples. These TICs are included as reported by the laboratory.

SDG M87036

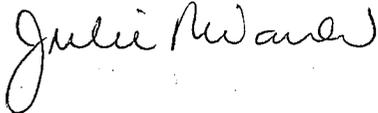
Tentatively Identified Compounds (TICs) were reported in both SVOC samples included in this sampling program. TICs were primarily substituted naphthalenes, alkanes, alkenes, and PAH. These compounds that may be representative of fuel related contamination.

Reference:

New York State Department of Environmental Conservation (NYSDEC), 2005. "Analytical Services Protocols"; July 2005.

New York State Department of Environmental Conservation (NYSDEC), 2002. "Technical Guidance for Site Investigation and Remediation-Appendix 2B"; Draft DER-10; Division of Environmental Remediation; December 2002.

Data Validator: Julie Ricardi



Date: March 15, 2010

Reviewed by Chris Ricardi, NRCC-EAC
Quality Assurance Officer



Date: April 26, 2010

TABLE 1
SUMMARY OF SAMPLES AND ANALYTICAL METHODS
DATA USABILITY SUMMARY REPORT
2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM
IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

SDG	Media	Location	Sample ID	Sample Date	Class Analysis Method Fraction Qc Code	VOCs	SVOCs
						SW8468260B T	SW8468270C T
M87036	GW	DP-2	130056GW00210X	11/2/2009	FS	X	
M87036	GW	DP-2	130056GW00215X	11/2/2009	FS	X	
M87036	GW	DP-2	130056GW00220X	11/2/2009	FS	X	
M87036	GW	DP-2	130056GW00225X	11/2/2009	FS	X	
M87036	GW	DP-2	130056GW00230X	11/2/2009	FS	X	
M87036	GW	DP-2	130056GW00235X	11/2/2009	FS	X	
M87036	GW	DP-2	130056GW00240X	11/3/2009	FS	X	
M87036	GW	DP-2	130056GW00245X	11/3/2009	FS	X	
M87036	GW	DP-2	130056GW00250X	11/3/2009	FS	X	X
M87036	GW	DP-2	130056GW00255X	11/3/2009	FS	X	
M87036	GW	DP-2	130056GW00260D	11/3/2009	FD	X	
M87036	GW	DP-2	130056GW00260X	11/3/2009	FS	X	
M87036	GW	DP-2	130056GW00265X	11/3/2009	FS	X	
M87036	GW	DP-2	130056GW00270X	11/3/2009	FS	X	X
M87036	GW	DP-2	130056GW00275X	11/3/2009	FS	X	
M87036	GW	DP-2	130056GW00280X	11/3/2009	FS	X	
M87036	GW	DP-2	130056GW00285X	11/3/2009	FS	X	
M87036	GW	DP-2	130056GW00290D	11/3/2009	FD	X	
M87036	GW	DP-2	130056GW00290X	11/3/2009	FS	X	
M87036	GW	DP-5	130056GW00510X	11/3/2009	FS	X	
M87036	GW	DP-5	130056GW00515X	11/3/2009	FS	X	
M87036	GW	DP-5	130056GW00520X	11/3/2009	FS	X	
M87036	GW	DP-5	130056GW00525X	11/3/2009	FS	X	
M87036	GW	DP-5	130056GW00530X	11/3/2009	FS	X	
M87036	GW	DP-5	130056GW00535X	11/3/2009	FS	X	
M87036	GW	DP-5	130056GW00540X	11/3/2009	FS	X	
M87036	GW	DP-5	130056GW00545X	11/3/2009	FS	X	
M87036	BW	QC	130056TB002	11/2/2009	TB	X	
M87118	GW	DP-1	130056GW00110X	11/5/2009	FS	X	
M87118	GW	DP-1	130056GW00115X	11/5/2009	FS	X	
M87118	GW	DP-1	130056GW00120X	11/5/2009	FS	X	
M87118	GW	DP-1	130056GW00125X	11/5/2009	FS	X	
M87118	GW	DP-1	130056GW00130X	11/5/2009	FS	X	
M87118	GW	DP-1	130056GW00135X	11/5/2009	FS	X	
M87118	GW	DP-1	130056GW00140X	11/5/2009	FS	X	
M87118	GW	DP-1	130056GW00145X	11/5/2009	FS	X	
M87118	GW	DP-1	130056GW00150D	11/5/2009	FD	X	
M87118	GW	DP-1	130056GW00150X	11/5/2009	FS	X	
M87118	GW	DP-1	130056GW00155X	11/5/2009	FS	X	
M87118	GW	DP-1	130056GW00160X	11/5/2009	FS	X	
M87118	GW	DP-1	130056GW00165X	11/5/2009	FS	X	
M87118	GW	DP-1	130056GW00170X	11/5/2009	FS	X	
M87118	GW	DP-1	130056GW00175X	11/5/2009	FS	X	
M87118	GW	DP-3	130056GW00310X	11/5/2009	FS	X	
M87118	GW	DP-3	130056GW00315X	11/5/2009	FS	X	
M87118	GW	DP-3	130056GW00320X	11/5/2009	FS	X	
M87118	GW	DP-3	130056GW00325X	11/5/2009	FS	X	
M87118	GW	DP-3	130056GW00330X	11/5/2009	FS	X	
M87118	GW	DP-3	130056GW00335X	11/5/2009	FS	X	
M87118	GW	DP-3	130056GW00340X	11/5/2009	FS	X	
M87118	GW	DP-3	130056GW00345X	11/5/2009	FS	X	
M87118	GW	DP-3	130056GW00350X	11/5/2009	FS	X	

TABLE 1
SUMMARY OF SAMPLES AND ANALYTICAL METHODS
DATA USABILITY SUMMARY REPORT
2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM
IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

SDG	Media	Location	Sample ID	Sample Date	Class Analysis Method Fraction Qc Code	VOCs	SVOCs
						SW8468260B T	SW8468270C T
M87118	GW	DP-3	130056GW00355X	11/5/2009	FS	X	
M87118	GW	DP-3	130056GW00360X	11/5/2009	FS	X	
M87118	GW	DP-3	130056GW00365X	11/5/2009	FS	X	
M87118	GW	DP-3	130056GW00370X	11/5/2009	FS	X	
M87118	GW	DP-4	130056GW00410X	11/4/2009	FS	X	
M87118	GW	DP-4	130056GW00415X	11/4/2009	FS	X	
M87118	GW	DP-4	130056GW00420X	11/4/2009	FS	X	
M87118	GW	DP-4	130056GW00425X	11/4/2009	FS	X	
M87118	GW	DP-4	130056GW00430X	11/4/2009	FS	X	
M87118	GW	DP-4	130056GW00435X	11/4/2009	FS	X	
M87118	GW	DP-4	130056GW00440X	11/4/2009	FS	X	
M87118	GW	DP-4	130056GW00445X	11/4/2009	FS	X	
M87118	GW	DP-4	130056GW00450D	11/4/2009	FD	X	
M87118	GW	DP-4	130056GW00450X	11/4/2009	FS	X	
M87118	GW	DP-4	130056GW00455X	11/4/2009	FS	X	
M87118	GW	DP-4	130056GW00460X	11/4/2009	FS	X	
M87118	GW	DP-4	130056GW00465X	11/4/2009	FS	X	
M87118	GW	DP-4	130056GW00470X	11/4/2009	FS	X	
M87118	GW	DP-4	130056GW00475X	11/4/2009	FS	X	
M87118	GW	DP-4	130056GW00480D	11/4/2009	FD	X	
M87118	GW	DP-4	130056GW00480X	11/4/2009	FS	X	
M87118	GW	DP-4	130056GW00485X	11/4/2009	FS	X	
M87118	GW	DP-5	130056GW00550X	11/4/2009	FS	X	
M87118	GW	DP-5	130056GW00555X	11/4/2009	FS	X	
M87118	GW	DP-5	130056GW00560X	11/4/2009	FS	X	
M87118	GW	DP-5	130056GW00565X	11/4/2009	FS	X	
M87118	GW	DP-5	130056GW00570X	11/4/2009	FS	X	
M87118	GW	DP-5	130056GW00575X	11/4/2009	FS	X	
M87118	GW	DP-5	130056GW00580X	11/4/2009	FS	X	
M87118	GW	DP-5	130056GW00585X	11/4/2009	FS	X	
M87118	GW	DP-5	130056GW00590X	11/4/2009	FS	X	
M87118	GW	DP-6	130056GW00610X	11/6/2009	FS	X	
M87118	GW	DP-6	130056GW00615X	11/6/2009	FS	X	
M87118	GW	DP-6	130056GW00620X	11/6/2009	FS	X	
M87118	GW	DP-6	130056GW00625X	11/6/2009	FS	X	
M87118	GW	DP-6	130056GW00630X	11/6/2009	FS	X	
M87118	GW	DP-6	130056GW00635X	11/6/2009	FS	X	
M87118	GW	DP-6	130056GW00640X	11/6/2009	FS	X	
M87118	GW	DP-6	130056GW00645X	11/6/2009	FS	X	
M87118	GW	DP-6	130056GW00650X	11/6/2009	FS	X	
M87118	GW	DP-6	130056GW00655X	11/6/2009	FS	X	
M87118	GW	DP-6	130056GW00660X	11/6/2009	FS	X	
M87118	GW	DP-6	130056GW00665X	11/6/2009	FS	X	
M87118	GW	DP-6	130056GW00670X	11/6/2009	FS	X	
M87118	BW	QC	130056EB001	11/6/2009	EB	X	
M87118	BW	QC	130056TB003	11/4/2009	TB	X	
M87699	GW	DP-11	130056GW01110X	11/30/2009	FS	X	
M87699	GW	DP-11	130056GW01115X	11/30/2009	FS	X	
M87699	GW	DP-11	130056GW01120X	11/30/2009	FS	X	
M87699	GW	DP-11	130056GW01125X	11/30/2009	FS	X	
M87699	GW	DP-11	130056GW01130X	11/30/2009	FS	X	
M87699	GW	DP-11	130056GW01135D	11/30/2009	FD	X	

TABLE 1
SUMMARY OF SAMPLES AND ANALYTICAL METHODS
DATA USABILITY SUMMARY REPORT
2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM
IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSEPEQUA, NEW YORK

SDG	Media	Location	Sample ID	Sample Date	Class Analysis Method Fraction Qc Code	VOCs	SVOCs
						SW8468260B T	SW8468270C T
M87699	GW	DP-11	130056GW01135X	11/30/2009	FS	X	
M87699	GW	DP-11	130056GW01140X	11/30/2009	FS	X	
M87699	GW	DP-11	130056GW01145X	11/30/2009	FS	X	
M87699	GW	DP-11	130056GW01150X	11/30/2009	FS	X	
M87699	GW	DP-11	130056GW01155X	11/30/2009	FS	X	
M87699	GW	DP-11	130056GW01160X	11/30/2009	FS	X	
M87699	GW	DP-11	130056GW01165X	11/30/2009	FS	X	
M87699	GW	DP-11	130056GW01170X	11/30/2009	FS	X	
M87699	GW	DP-11	130056GW01175X	11/30/2009	FS	X	
M87699	GW	DP-11	130056GW01180X	11/30/2009	FS	X	
M87699	GW	DP-11	130056GW01185X	11/30/2009	FS	X	
M87699	GW	DP-11	130056GW01190X	11/30/2009	FS	X	
M87699	GW	DP-15	130056GW01510X	11/30/2009	FS	X	
M87699	GW	DP-15	130056GW01515X	11/30/2009	FS	X	
M87699	GW	DP-15	130056GW01520X	11/30/2009	FS	X	
M87699	GW	DP-15	130056GW01525X	11/30/2009	FS	X	
M87699	GW	DP-15	130056GW01530X	11/30/2009	FS	X	
M87699	GW	DP-15	130056GW01535D	11/30/2009	FD	X	
M87699	GW	DP-15	130056GW01535X	11/30/2009	FS	X	
M87699	GW	DP-15	130056GW01540X	11/30/2009	FS	X	
M87699	GW	DP-15	130056GW01545X	11/30/2009	FS	X	
M87699	GW	DP-15	130056GW01550X	11/30/2009	FS	X	
M87699	GW	DP-15	130056GW01555X	11/30/2009	FS	X	
M87699	GW	DP-15	130056GW01560X	11/30/2009	FS	X	
M87699	GW	DP-15	130056GW01565D	11/30/2009	FD	X	
M87699	GW	DP-15	130056GW01565X	11/30/2009	FS	X	
M87699	BW	QC	130056TB007	11/30/2009	TB	X	
M87768	GW	DP-07	130056GW00710X	12/1/2009	FS	X	
M87768	GW	DP-07	130056GW00715X	12/1/2009	FS	X	
M87768	GW	DP-07	130056GW00720X	12/1/2009	FS	X	
M87768	GW	DP-07	130056GW00725X	12/1/2009	FS	X	
M87768	GW	DP-07	130056GW00730X	12/1/2009	FS	X	
M87768	GW	DP-07	130056GW00735X	12/1/2009	FS	X	
M87768	GW	DP-07	130056GW00740X	12/1/2009	FS	X	
M87768	GW	DP-07	130056GW00745X	12/1/2009	FS	X	
M87768	GW	DP-07	130056GW00750X	12/2/2009	FS	X	
M87768	GW	DP-07	130056GW00755D	12/2/2009	FD	X	
M87768	GW	DP-07	130056GW00755X	12/2/2009	FS	X	
M87768	GW	DP-07	130056GW00760X	12/2/2009	FS	X	
M87768	GW	DP-07	130056GW00765X	12/2/2009	FS	X	
M87768	GW	DP-07	130056GW00770X	12/2/2009	FS	X	
M87768	GW	DP-07	130056GW00775X	12/2/2009	FS	X	
M87768	GW	DP-08	130056GW00810X	12/1/2009	FS	X	
M87768	GW	DP-08	130056GW00815X	12/1/2009	FS	X	
M87768	GW	DP-08	130056GW00820X	12/1/2009	FS	X	
M87768	GW	DP-08	130056GW00825X	12/1/2009	FS	X	
M87768	GW	DP-08	130056GW00830X	12/1/2009	FS	X	
M87768	GW	DP-08	130056GW00835X	12/1/2009	FS	X	
M87768	GW	DP-08	130056GW00840X	12/1/2009	FS	X	
M87768	GW	DP-08	130056GW00845X	12/1/2009	FS	X	
M87768	GW	DP-08	130056GW00850X	12/1/2009	FS	X	
M87768	GW	DP-08	130056GW00855X	12/1/2009	FS	X	

TABLE 1
SUMMARY OF SAMPLES AND ANALYTICAL METHODS
DATA USABILITY SUMMARY REPORT
2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM
IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSEPEQUA, NEW YORK

SDG	Media	Location	Sample ID	Sample Date	Class Analysis Method Fraction Qc Code	VOCs	SVOCs
						SW8468260B T	SW8468270C T
M87768	GW	DP-08	130056GW00860X	12/1/2009	FS	X	
M87768	GW	DP-08	130056GW00865X	12/1/2009	FS	X	
M87768	GW	DP-08	130056GW00870D	12/1/2009	FD	X	
M87768	GW	DP-08	130056GW00870X	12/1/2009	FS	X	
M87768	GW	DP-08	130056GW00875X	12/1/2009	FS	X	
M87768	GW	DP-08	130056GW00880X	12/1/2009	FS	X	
M87768	GW	DP-08	130056GW00885X	12/1/2009	FS	X	
M87768	GW	DP-09	130056GW00910X	12/1/2009	FS	X	
M87768	GW	DP-09	130056GW00915X	12/1/2009	FS	X	
M87768	GW	DP-09	130056GW00920X	12/1/2009	FS	X	
M87768	GW	DP-09	130056GW00925X	12/1/2009	FS	X	
M87768	GW	DP-09	130056GW00930X	12/1/2009	FS	X	
M87768	GW	DP-09	130056GW00935D	12/1/2009	FD	X	
M87768	GW	DP-09	130056GW00935X	12/1/2009	FS	X	
M87768	GW	DP-09	130056GW00940X	12/1/2009	FS	X	
M87768	GW	DP-09	130056GW00945X	12/1/2009	FS	X	
M87768	GW	DP-09	130056GW00950X	12/1/2009	FS	X	
M87768	GW	DP-09	130056GW00955X	12/1/2009	FS	X	
M87768	GW	DP-09	130056GW00960X	12/1/2009	FS	X	
M87768	GW	DP-09	130056GW00965D	12/1/2009	FD	X	
M87768	GW	DP-09	130056GW00965X	12/1/2009	FS	X	
M87768	GW	DP-09	130056GW00970X	12/1/2009	FS	X	
M87768	GW	DP-09	130056GW00975X	12/1/2009	FS	X	
M87768	GW	DP-10	130056GW01010X	12/2/2009	FS	X	
M87768	GW	DP-10	130056GW01015X	12/2/2009	FS	X	
M87768	GW	DP-10	130056GW01020X	12/2/2009	FS	X	
M87768	GW	DP-10	130056GW01025X	12/2/2009	FS	X	
M87768	GW	DP-10	130056GW01030X	12/2/2009	FS	X	
M87768	GW	DP-10	130056GW01035X	12/2/2009	FS	X	
M87768	GW	DP-10	130056GW01040D	12/2/2009	FD	X	
M87768	GW	DP-10	130056GW01040X	12/2/2009	FS	X	
M87768	GW	DP-10	130056GW01045X	12/2/2009	FS	X	
M87768	GW	DP-10	130056GW01050X	12/2/2009	FS	X	
M87768	GW	DP-10	130056GW01055X	12/2/2009	FS	X	
M87768	GW	DP-10	130056GW01060X	12/2/2009	FS	X	
M87768	GW	DP-10	130056GW01065X	12/2/2009	FS	X	
M87768	GW	DP-10	130056GW01070X	12/2/2009	FS	X	
M87768	GW	DP-10	130056GW01075X	12/2/2009	FS	X	
M87768	GW	DP-10	130056GW01080X	12/2/2009	FS	X	
M87768	GW	DP-15	130056GW01570X	12/1/2009	FS	X	
M87768	GW	DP-15	130056GW01575X	12/1/2009	FS	X	
M87768	GW	DP-16	130056GW01610X	12/2/2009	FS	X	
M87768	GW	DP-16	130056GW01615X	12/2/2009	FS	X	
M87768	GW	DP-16	130056GW01620X	12/2/2009	FS	X	
M87768	GW	DP-16	130056GW01625X	12/2/2009	FS	X	
M87768	GW	DP-16	130056GW01630X	12/2/2009	FS	X	
M87768	GW	DP-16	130056GW01635X	12/2/2009	FS	X	
M87768	GW	DP-16	130056GW01640X	12/2/2009	FS	X	
M87768	GW	DP-16	130056GW01645X	12/2/2009	FS	X	
M87768	GW	DP-16	130056GW01650X	12/2/2009	FS	X	
M87768	GW	DP-16	130056GW01655X	12/2/2009	FS	X	
M87768	GW	DP-16	130056GW01660X	12/2/2009	FS	X	

TABLE 1
SUMMARY OF SAMPLES AND ANALYTICAL METHODS
DATA USABILITY SUMMARY REPORT
2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM
IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSEPEQUA, NEW YORK

SDG	Media	Location	Sample ID	Sample Date	Class Analysis Method Fraction Qc Code	VOCs	SVOCs
						SW8468260B T	SW8468270C T
M87768	GW	DP-16	130056GW01665X	12/2/2009	FS	X	
M87768	GW	DP-16	130056GW01670X	12/2/2009	FS	X	
M87768	GW	DP-16	130056GW01675X	12/2/2009	FS	X	
M87768	GW	DP-16	130056GW01680X	12/2/2009	FS	X	
M87768	BW	QC	130056TB008	12/1/2009	TB	X	
M87839	GW	DP-12	130056GW01210X	12/3/2009	FS	X	
M87839	GW	DP-12	130056GW01215X	12/3/2009	FS	X	
M87839	GW	DP-12	130056GW01220D	12/3/2009	FD	X	
M87839	GW	DP-12	130056GW01220X	12/3/2009	FS	X	
M87839	GW	DP-12	130056GW01225X	12/3/2009	FS	X	
M87839	GW	DP-12	130056GW01230X	12/3/2009	FS	X	
M87839	GW	DP-12	130056GW01235X	12/3/2009	FS	X	
M87839	GW	DP-12	130056GW01240X	12/3/2009	FS	X	
M87839	GW	DP-12	130056GW01245X	12/3/2009	FS	X	
M87839	GW	DP-12	130056GW01250X	12/4/2009	FS	X	
M87839	GW	DP-12	130056GW01255X	12/4/2009	FS	X	
M87839	GW	DP-12	130056GW01260X	12/4/2009	FS	X	
M87839	GW	DP-12	130056GW01265X	12/4/2009	FS	X	
M87839	GW	DP-12	130056GW01270X	12/4/2009	FS	X	
M87839	GW	DP-12	130056GW01275X	12/4/2009	FS	X	
M87839	GW	DP-13	130056GW01310X	12/3/2009	FS	X	
M87839	GW	DP-13	130056GW01315X	12/3/2009	FS	X	
M87839	GW	DP-13	130056GW01320X	12/3/2009	FS	X	
M87839	GW	DP-13	130056GW01325X	12/3/2009	FS	X	
M87839	GW	DP-13	130056GW01330X	12/3/2009	FS	X	
M87839	GW	DP-13	130056GW01335X	12/3/2009	FS	X	
M87839	GW	DP-13	130056GW01340D	12/3/2009	FD	X	
M87839	GW	DP-13	130056GW01340X	12/3/2009	FS	X	
M87839	GW	DP-13	130056GW01345X	12/3/2009	FS	X	
M87839	GW	DP-13	130056GW01350X	12/3/2009	FS	X	
M87839	GW	DP-13	130056GW01355X	12/3/2009	FS	X	
M87839	GW	DP-13	130056GW01360X	12/3/2009	FS	X	
M87839	GW	DP-13	130056GW01365X	12/3/2009	FS	X	
M87839	GW	DP-13	130056GW01370X	12/3/2009	FS	X	
M87839	GW	DP-13	130056GW01375X	12/3/2009	FS	X	
M87839	GW	DP-14	130056GW01410X	12/3/2009	FS	X	
M87839	GW	DP-14	130056GW01415X	12/3/2009	FS	X	
M87839	GW	DP-14	130056GW01420X	12/3/2009	FS	X	
M87839	GW	DP-14	130056GW01425X	12/3/2009	FS	X	
M87839	GW	DP-14	130056GW01430X	12/3/2009	FS	X	
M87839	GW	DP-14	130056GW01435X	12/3/2009	FS	X	
M87839	GW	DP-14	130056GW01440X	12/3/2009	FS	X	
M87839	GW	DP-14	130056GW01445X	12/3/2009	FS	X	
M87839	GW	DP-14	130056GW01450X	12/3/2009	FS	X	
M87839	GW	DP-14	130056GW01455X	12/3/2009	FS	X	
M87839	GW	DP-14	130056GW01460X	12/3/2009	FS	X	
M87839	GW	DP-14	130056GW01465D	12/3/2009	FD	X	
M87839	GW	DP-14	130056GW01465X	12/3/2009	FS	X	
M87839	GW	DP-14	130056GW01470X	12/3/2009	FS	X	
M87839	GW	DP-14	130056GW01475X	12/3/2009	FS	X	
M87839	GW	DP-14	130056GW01480X	12/3/2009	FS	X	
M87839	GW	DP-14	130056GW01485X	12/3/2009	FS	X	

TABLE 1
SUMMARY OF SAMPLES AND ANALYTICAL METHODS
DATA USABILITY SUMMARY REPORT
2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM
IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

SDG	Media	Location	Sample ID	Sample Date	Class Analysis Method Fraction Qc Code	VOCs	SVOCs
						SW8468260B T	SW8468270C T
M87839	GW	DP-17	130056GW01710X	12/4/2009	FS	X	
M87839	GW	DP-17	130056GW01715X	12/4/2009	FS	X	
M87839	GW	DP-17	130056GW01720D	12/4/2009	FD	X	
M87839	GW	DP-17	130056GW01720X	12/4/2009	FS	X	
M87839	GW	DP-17	130056GW01725X	12/4/2009	FS	X	
M87839	GW	DP-17	130056GW01730X	12/4/2009	FS	X	
M87839	GW	DP-17	130056GW01735X	12/4/2009	FS	X	
M87839	GW	DP-17	130056GW01740X	12/4/2009	FS	X	
M87839	GW	DP-17	130056GW01745X	12/4/2009	FS	X	
M87839	GW	DP-17	130056GW01750X	12/4/2009	FS	X	
M87839	GW	DP-17	130056GW01755X	12/4/2009	FS	X	
M87839	GW	DP-17	130056GW01760X	12/4/2009	FS	X	
M87839	GW	DP-17	130056GW01765X	12/4/2009	FS	X	
M87839	GW	DP-17	130056GW01770X	12/4/2009	FS	X	
M87839	GW	DP-17	130056GW01775X	12/4/2009	FS	X	
M87839	BW	QC	130056TB009	12/3/2009	TB	X	

FOOTNOTES:

QC CODE

FS = field sample, FD = field duplicate, TB = trip blank

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87036		M87036		M87036		M87036		M87036	
Location			DP-2		DP-2		DP-2		DP-2		DP-2	
Sample Date			11/2/2009		11/2/2009		11/2/2009		11/2/2009		11/2/2009	
Sample ID			130056GW00210X		130056GW00215X		130056GW00220X		130056GW00225X		130056GW00230X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5	U	5	U	5	U	5	UJ	5	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	U	5	U	5	U	5	UJ	5	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	UJ	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dioxane	ug/l	25	UJ	25	UJ	25	UJ	25	U	25	UJ
SW8468260B	2-Butanone	ug/l	5	UJ	5	UJ	5	UJ	5	U	5	UJ
SW8468260B	2-Hexanone	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Acetic acid, methyl ester	ug/l	5	U	5	U	5	U	5	UJ	5	U
SW8468260B	Acetone	ug/l	5	U	5	U	5	U	5	UJ	5	U
SW8468260B	Benzene	ug/l	0.5	U								
SW8468260B	Bromochloromethane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromoform	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromomethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloroethane	ug/l	2	U	2	U	2	U	2	UJ	2	U
SW8468260B	Chloroform	ug/l	1	U	1.8		8.9		10.7		9.5	
SW8468260B	Chloromethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	3.7		2		1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U								
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	U	2	U	2	U	2	UJ	2	U
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	5	U	5	U	5	U	5	UJ	5	U
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	Styrene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	2.4		1.6		1		1	U	1	U
SW8468260B	Toluene	ug/l	1.1		1	U	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	U								
SW8468260B	Trichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	U	1	U	1	UJ	1	U
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	1	U	1	U	1	U	1	U	1	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87036		M87036		M87036		M87036		M87036	
Location			DP-2		DP-2		DP-2		DP-2		DP-2	
Sample Date			11/2/2009		11/3/2009		11/3/2009		11/3/2009		11/3/2009	
Sample ID			130056GW00235X		130056GW00240X		130056GW00245X		130056GW00250X		130056GW00255X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 UJ									
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 UJ									
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromoethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloropropane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1 UJ									
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dioxane	ug/l	25 U									
SW8468260B	2-Butanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	2-Hexanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Acetic acid, methyl ester	ug/l	5 UJ									
SW8468260B	Acetone	ug/l	5 UJ		32.6 J		12.6 J		7.5 J		6.7 J	
SW8468260B	Benzene	ug/l	0.5 U									
SW8468260B	Bromochloromethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Bromodichloromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromoforn	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromomethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Carbon disulfide	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Carbon tetrachloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorodibromomethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloroethane	ug/l	2 UJ									
SW8468260B	Chloroform	ug/l	1.2		1 U		1 U		1 U		1 U	
SW8468260B	Chloromethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Dichlorodifluoromethane	ug/l	2 UJ									
SW8468260B	Ethyl benzene	ug/l	1 U		2		1.8		1.1		1 U	
SW8468260B	Isopropylbenzene	ug/l	5 UJ									
SW8468260B	Methyl cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Methylene chloride	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Styrene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Tetrachloroethene	ug/l	1 U		1 U		1 U		1 U		9.5	
SW8468260B	Toluene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Trichloroethene	ug/l	1 U		1 U		1 U		1 U		2	
SW8468260B	Trichlorofluoromethane	ug/l	1 UJ									
SW8468260B	Vinyl chloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Xylenes, Total	ug/l	1 U		4.9		4.4		2.8		2.5	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87036		M87036		M87036		M87036		M87036	
Location			DP-2		DP-2		DP-2		DP-2		DP-2	
Sample Date			11/3/2009		11/3/2009		11/3/2009		11/3/2009		11/3/2009	
Sample ID			130056GW00260D		130056GW00260X		130056GW00265X		130056GW00270X		130056GW00275X	
Qc Code			FD		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5	UJ	5	UJ	5	UJ	5	U	5	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	UJ	5	UJ	5	UJ	5	U	5	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	UJ	1	UJ	1	UJ	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dioxane	ug/l	25	U	25	U	25	U	25	UJ	25	UJ
SW8468260B	2-Butanone	ug/l	5	U	5	U	5	U	5	UJ	5	UJ
SW8468260B	2-Hexanone	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Acetic acid, methyl ester	ug/l	5	UJ	5	UJ	5	UJ	5	U	5	U
SW8468260B	Acetone	ug/l	5.9	J	9.4	J	11.5	J	5	U	5	U
SW8468260B	Benzene	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.52	
SW8468260B	Bromochloromethane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromoform	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromomethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloroethane	ug/l	2	UJ	2	UJ	2	UJ	2	U	2	U
SW8468260B	Chloroform	ug/l	1	U	1	U	1	U	1.6		1	U
SW8468260B	Chloromethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U								
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ	2	UJ	2	UJ	2	U	2	U
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	5	UJ	5	UJ	5	UJ	5	U	5	U
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	Styrene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	123		189		259		205		305	
SW8468260B	Toluene	ug/l	1	U	1	U	1	U	1.4		1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	U								
SW8468260B	Trichloroethene	ug/l	22.6		27		18.4		12.7		8	
SW8468260B	Trichlorofluoromethane	ug/l	1	UJ	1	UJ	1	UJ	1	U	1	U
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	2.1		2.4		2		1.2		1.3	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87036		M87036		M87036		M87036		M87036	
Location			DP-2		DP-2		DP-2		DP-2		DP-5	
Sample Date			11/3/2009		11/3/2009		11/3/2009		11/3/2009		11/3/2009	
Sample ID			130056GW00280X		130056GW00285X		130056GW00290D		130056GW00290X		130056GW00510X	
Qc Code			FS		FS		FD		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U		5 UJ	
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U		5 UJ	
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromoethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloropropane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 UJ	
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dioxane	ug/l	25 UJ		25 UJ		25 UJ		25 UJ		25 U	
SW8468260B	2-Butanone	ug/l	5 UJ		5 UJ		5 UJ		5 UJ		5 U	
SW8468260B	2-Hexanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Acetic acid, methyl ester	ug/l	5 U		5 U		5 U		5 U		5 UJ	
SW8468260B	Acetone	ug/l	5 U		18.4		14.3		20.5		5 UJ	
SW8468260B	Benzene	ug/l	0.69		0.5 U		0.5 U		0.5 U		0.5 U	
SW8468260B	Bromochloromethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Bromodichloromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromoform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromomethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Carbon disulfide	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Carbon tetrachloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorodibromomethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloroethane	ug/l	2 U		2 U		2 U		2 U		2 UJ	
SW8468260B	Chloroform	ug/l	1 U		1.4		1.7		1.3		1 U	
SW8468260B	Chloromethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Dichlorodifluoromethane	ug/l	2 U		2 U		2 U		2 U		2 UJ	
SW8468260B	Ethyl benzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Isopropylbenzene	ug/l	5 U		5 U		5 U		5 U		5 UJ	
SW8468260B	Methyl cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Methylene chloride	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Styrene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Tetrachloroethene	ug/l	218		115		114		87.6		1 U	
SW8468260B	Toluene	ug/l	1.1		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Trichloroethene	ug/l	6.6		4.8		4.7		3.4		1 U	
SW8468260B	Trichlorofluoromethane	ug/l	1 U		1 U		1 U		1 U		1 UJ	
SW8468260B	Vinyl chloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Xylenes, Total	ug/l	1.1		1 U		1 U		1 U		1 U	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87036		M87036		M87036		M87036		M87036	
Location			DP-5		DP-5		DP-5		DP-5		DP-5	
Sample Date			11/3/2009		11/3/2009		11/3/2009		11/3/2009		11/3/2009	
Sample ID			130056GW00515X		130056GW00520X		130056GW00525X		130056GW00530X		130056GW00535X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 UJ		5 U		5 UJ		5 UJ		5 UJ	
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 UJ		5 U		5 UJ		5 UJ		5 UJ	
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromoethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloropropane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 UJ		1 UJ	
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dioxane	ug/l	25 U		25 UJ		25 U		25 U		25 U	
SW8468260B	2-Butanone	ug/l	5 U		5 UJ		5 U		5 U		5 U	
SW8468260B	2-Hexanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Acetic acid, methyl ester	ug/l	5 UJ		5 U		5 UJ		5 UJ		5 UJ	
SW8468260B	Acetone	ug/l	5 U		5 U		5 U		5 UJ		5 UJ	
SW8468260B	Benzene	ug/l	0.5 U									
SW8468260B	Bromochloromethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Bromodichloromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromoform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromomethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Carbon disulfide	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Carbon tetrachloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorodibromomethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloroethane	ug/l	2 UJ		2 U		2 UJ		2 UJ		2 UJ	
SW8468260B	Chloroform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloromethane	ug/l	2 UJ		2 U		2 UJ		2 U		2 U	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Dichlorodifluoromethane	ug/l	2 UJ		2 U		2 UJ		2 UJ		2 UJ	
SW8468260B	Ethyl benzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Isopropylbenzene	ug/l	5 UJ		5 U		5 UJ		5 UJ		5 UJ	
SW8468260B	Methyl cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U		1 U		1.9		1 U		1 U	
SW8468260B	Methylene chloride	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Styrene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Tetrachloroethene	ug/l	1 U		1 U		1.5		315		389	
SW8468260B	Toluene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Trichloroethene	ug/l	1 U		1 U		1 U		12.1		9.2	
SW8468260B	Trichlorofluoromethane	ug/l	1 UJ		1 U		1 UJ		1 UJ		1 UJ	
SW8468260B	Vinyl chloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Xylenes, Total	ug/l	1 U		1 U		1 U		1 U		1 U	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87036		M87036		M87118		M87118		M87118	
Location			DP-5		DP-5		DP-1		DP-1		DP-1	
Sample Date			11/3/2009		11/3/2009		11/5/2009		11/5/2009		11/5/2009	
Sample ID			130056GW00540X		130056GW00545X		130056GW00110X		130056GW00115X		130056GW00120X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 UJ	UJ	5 UJ	UJ	5 U	U	5 U	U	5 U	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 UJ	UJ	5 UJ	UJ	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromoethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloropropane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1 UJ	UJ	1 UJ	UJ	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dioxane	ug/l	25 U	U								
SW8468260B	2-Butanone	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	2-Hexanone	ug/l	5 U	U	5 U	U	5 UJ	UJ	5 U	U	5 UJ	UJ
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Acetic acid, methyl ester	ug/l	5 UJ	UJ	5 UJ	UJ	5 U	U	5 U	U	5 U	U
SW8468260B	Acetone	ug/l	5 UJ	UJ	5 UJ	UJ	5 UJ	UJ	5 U	U	5 UJ	UJ
SW8468260B	Benzene	ug/l	0.5 U	U								
SW8468260B	Bromochloromethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Bromodichloromethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromoform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromomethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Carbon disulfide	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Carbon tetrachloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	3.2	U	1 U	U
SW8468260B	Chlorodibromomethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloroethane	ug/l	2 UJ	UJ	2 UJ	UJ	2 U	U	2 U	U	2 U	U
SW8468260B	Chloroform	ug/l	1 U	U	1 U	U	2.4 U	U	1 U	U	1 U	U
SW8468260B	Chloromethane	ug/l	2 U	U	2 U	U	2 U	U	2 UJ	UJ	2 U	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U	U								
SW8468260B	Cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Dichlorodifluoromethane	ug/l	2 UJ	UJ	2 UJ	UJ	2 U	U	2 U	U	2 U	U
SW8468260B	Ethyl benzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Isopropylbenzene	ug/l	5 UJ	UJ	5 UJ	UJ	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Methylene chloride	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Styrene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Tetrachloroethene	ug/l	61.3	U	23.5	U	6.7	U	1 U	U	1 U	U
SW8468260B	Toluene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U	U								
SW8468260B	Trichloroethene	ug/l	1.5	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Trichlorofluoromethane	ug/l	1 UJ	UJ	1 UJ	UJ	1 U	U	1 U	U	1 U	U
SW8468260B	Vinyl chloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Xylenes, Total	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87118		M87118		M87118		M87118		M87118	
Location			DP-1		DP-1		DP-1		DP-1		DP-1	
Sample Date			11/5/2009		11/5/2009		11/5/2009		11/5/2009		11/5/2009	
Sample ID			130056GW00125X		130056GW00130X		130056GW00135X		130056GW00140X		130056GW00145X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromoethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloropropane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dioxane	ug/l	25 U									
SW8468260B	2-Butanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	2-Hexanone	ug/l	5 UJ									
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Acetic acid, methyl ester	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Acetone	ug/l	5 UJ									
SW8468260B	Benzene	ug/l	0.5 U									
SW8468260B	Bromochloromethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Bromodichloromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromoform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromomethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Carbon disulfide	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Carbon tetrachloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorodibromomethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloroethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Chloroform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloromethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Dichlorodifluoromethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Ethyl benzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Isopropylbenzene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U		1 U		1.1		1.5		1.1	
SW8468260B	Methylene chloride	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Styrene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Tetrachloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Toluene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Trichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Trichlorofluoromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Vinyl chloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Xylenes, Total	ug/l	1 U		1 U		1 U		1 U		1 U	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87118		M87118		M87118		M87118		M87118	
Location			DP-1		DP-1		DP-1		DP-1		DP-1	
Sample Date			11/5/2009		11/5/2009		11/5/2009		11/5/2009		11/5/2009	
Sample ID			130056GW00150D		130056GW00150X		130056GW00155X		130056GW00160X		130056GW00165X	
Qc Code			FD		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromoethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloropropane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dioxane	ug/l	25 U									
SW8468260B	2-Butanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	2-Hexanone	ug/l	5 UJ									
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Acetic acid, methyl ester	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Acetone	ug/l	5 UJ									
SW8468260B	Benzene	ug/l	0.5 U									
SW8468260B	Bromochloromethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Bromodichloromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromoform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromomethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Carbon disulfide	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Carbon tetrachloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorodibromomethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloroethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Chloroform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloromethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Dichlorodifluoromethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Ethyl benzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Isopropylbenzene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Methylene chloride	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Styrene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Tetrachloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Toluene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Trichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Trichlorofluoromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Vinyl chloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Xylenes, Total	ug/l	1 U		1 U		1 U		1 U		1 U	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87118		M87118		M87118		M87118		M87118	
Location			DP-1		DP-1		DP-3		DP-3		DP-3	
Sample Date			11/5/2009		11/5/2009		11/5/2009		11/5/2009		11/5/2009	
Sample ID			130056GW00170X		130056GW00175X		130056GW00310X		130056GW00315X		130056GW00320X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U		1 U		1 UJ		1 UJ		1 U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U		1 U		1 UJ		1 UJ		1 U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U		5 U		5 UJ		5 UJ		5 U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U		1 U		1 UJ		1 UJ		1 U	
SW8468260B	1,1-Dichloroethane	ug/l	1 U		1 U		1 UJ		1 UJ		1 U	
SW8468260B	1,1-Dichloroethene	ug/l	1 U		1 U		1 UJ		1 UJ		1 U	
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U		5 U		5 UJ		5 UJ		5 U	
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U		5 U		5 UJ		5 UJ		5 U	
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U		5 U		5 UJ		5 UJ		5 U	
SW8468260B	1,2-Dibromoethane	ug/l	2 U		2 U		2 UJ		2 UJ		2 U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U		1 U		1 UJ		1 UJ		1 U	
SW8468260B	1,2-Dichloroethane	ug/l	1 U		1 U		1 UJ		1 UJ		1 U	
SW8468260B	1,2-Dichloropropane	ug/l	2 U		2 U		2 UJ		2 UJ		2 U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U		1 U		1 UJ		1 UJ		1 U	
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U		1 U		1 UJ		1 UJ		1 U	
SW8468260B	1,4-Dioxane	ug/l	25 U		25 U		25 UJ		25 UJ		25 U	
SW8468260B	2-Butanone	ug/l	5 U		5 U		5 UJ		5 UJ		5 UJ	
SW8468260B	2-Hexanone	ug/l	5 UJ									
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U		5 U		5 UJ		5 UJ		5 U	
SW8468260B	Acetic acid, methyl ester	ug/l	5 U		5 U		5 UJ		5 UJ		5 U	
SW8468260B	Acetone	ug/l	5 UJ									
SW8468260B	Benzene	ug/l	0.5 U		0.5 U		0.5 UJ		0.5 UJ		0.5 U	
SW8468260B	Bromochloromethane	ug/l	5 U		5 U		5 UJ		5 UJ		5 U	
SW8468260B	Bromodichloromethane	ug/l	1 U		1 U		1 UJ		1 UJ		1 U	
SW8468260B	Bromoforn	ug/l	1 U		1 U		1 UJ		1 UJ		1 U	
SW8468260B	Bromomethane	ug/l	2 U		2 U		2 UJ		2 UJ		2 U	
SW8468260B	Carbon disulfide	ug/l	5 U		5 U		5 UJ		5 UJ		5 U	
SW8468260B	Carbon tetrachloride	ug/l	1 U		1 U		1 UJ		1 UJ		1 U	
SW8468260B	Chlorobenzene	ug/l	1 U		1 U		1 UJ		1 UJ		1 U	
SW8468260B	Chlorodibromomethane	ug/l	1 U		1 U		1 UJ		1 UJ		1 U	
SW8468260B	Chloroethane	ug/l	2 U		2 U		2 UJ		2 UJ		2 U	
SW8468260B	Chloroform	ug/l	1 U		1 U		4.9 UJ		1.3 UJ		1.2 U	
SW8468260B	Chloromethane	ug/l	2 U		2 U		2 UJ		2 UJ		2 U	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U		1 U		1 UJ		1 UJ		1 U	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U		0.5 U		0.5 UJ		0.5 UJ		0.5 U	
SW8468260B	Cyclohexane	ug/l	5 U		5 U		5 UJ		5 UJ		5 U	
SW8468260B	Dichlorodifluoromethane	ug/l	2 U		2 U		2 UJ		2 UJ		2 UJ	
SW8468260B	Ethyl benzene	ug/l	1 U		1 U		1 UJ		1 UJ		1 U	
SW8468260B	Isopropylbenzene	ug/l	5 U		5 U		5 UJ		5 UJ		5 U	
SW8468260B	Methyl cyclohexane	ug/l	5 U		5 U		5 UJ		5 UJ		5 U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U		1 U		1 UJ		1 UJ		1 U	
SW8468260B	Methylene chloride	ug/l	2 U		2 U		2 UJ		2 UJ		2 U	
SW8468260B	Styrene	ug/l	5 U		5 U		5 UJ		5 UJ		5 U	
SW8468260B	Tetrachloroethene	ug/l	1 U		1 U		1 UJ		2.1 J		1.1	
SW8468260B	Toluene	ug/l	1 U		1 U		1 UJ		1 UJ		1 U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U		1 U		1 UJ		1 UJ		1 U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U		0.5 U		0.5 UJ		0.5 UJ		0.5 U	
SW8468260B	Trichloroethene	ug/l	1 U		1 U		1 UJ		1.8 J		1 U	
SW8468260B	Trichlorofluoromethane	ug/l	1 U		1 U		1 UJ		1 UJ		1 U	
SW8468260B	Vinyl chloride	ug/l	1 U		1 U		1 UJ		1 UJ		1 U	
SW8468260B	Xylenes, Total	ug/l	1 U		1 U		1 UJ		1 UJ		1 U	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87118		M87118		M87118		M87118		M87118	
Location			DP-3		DP-3		DP-3		DP-3		DP-3	
Sample Date			11/5/2009		11/5/2009		11/5/2009		11/5/2009		11/5/2009	
Sample ID			130056GW00325X		130056GW00330X		130056GW00335X		130056GW00340X		130056GW00345X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1	UJ								
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	UJ								
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	UJ								
SW8468260B	1,1,2-Trichloroethane	ug/l	1	UJ								
SW8468260B	1,1-Dichloroethane	ug/l	1	UJ								
SW8468260B	1,1-Dichloroethene	ug/l	1	UJ								
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5	UJ								
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	UJ								
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	UJ								
SW8468260B	1,2-Dibromoethane	ug/l	2	UJ								
SW8468260B	1,2-Dichlorobenzene	ug/l	1	UJ								
SW8468260B	1,2-Dichloroethane	ug/l	1	UJ								
SW8468260B	1,2-Dichloropropane	ug/l	2	UJ								
SW8468260B	1,3-Dichlorobenzene	ug/l	1	UJ								
SW8468260B	1,4-Dichlorobenzene	ug/l	1	UJ								
SW8468260B	1,4-Dioxane	ug/l	25	UJ								
SW8468260B	2-Butanone	ug/l	5	UJ								
SW8468260B	2-Hexanone	ug/l	5	UJ								
SW8468260B	4-Methyl-2-pentanone	ug/l	5	UJ								
SW8468260B	Acetic acid, methyl ester	ug/l	5	UJ								
SW8468260B	Acetone	ug/l	5	UJ								
SW8468260B	Benzene	ug/l	0.5	UJ								
SW8468260B	Bromochloromethane	ug/l	5	UJ								
SW8468260B	Bromodichloromethane	ug/l	1	UJ								
SW8468260B	Bromoform	ug/l	1	UJ								
SW8468260B	Bromomethane	ug/l	2	UJ								
SW8468260B	Carbon disulfide	ug/l	5	UJ								
SW8468260B	Carbon tetrachloride	ug/l	1	UJ								
SW8468260B	Chlorobenzene	ug/l	1	UJ								
SW8468260B	Chlorodibromomethane	ug/l	1	UJ								
SW8468260B	Chloroethane	ug/l	2	UJ								
SW8468260B	Chloroform	ug/l	1	UJ								
SW8468260B	Chloromethane	ug/l	2	UJ								
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	UJ								
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	UJ								
SW8468260B	Cyclohexane	ug/l	5	UJ								
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ								
SW8468260B	Ethyl benzene	ug/l	1	UJ								
SW8468260B	Isopropylbenzene	ug/l	5	UJ								
SW8468260B	Methyl cyclohexane	ug/l	5	UJ								
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	UJ	1.8	J	1	UJ	1	UJ	1	UJ
SW8468260B	Methylene chloride	ug/l	2	UJ								
SW8468260B	Styrene	ug/l	5	UJ								
SW8468260B	Tetrachloroethene	ug/l	1	UJ								
SW8468260B	Toluene	ug/l	1	UJ								
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	UJ								
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	UJ								
SW8468260B	Trichloroethene	ug/l	1	UJ								
SW8468260B	Trichlorofluoromethane	ug/l	1	UJ								
SW8468260B	Vinyl chloride	ug/l	1	UJ								
SW8468260B	Xylenes, Total	ug/l	1	UJ								

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87118		M87118		M87118		M87118		M87118	
Location			DP-3		DP-3		DP-3		DP-3		DP-3	
Sample Date			11/5/2009		11/5/2009		11/5/2009		11/5/2009		11/5/2009	
Sample ID			130056GW00350X		130056GW00355X		130056GW00360X		130056GW00365X		130056GW00370X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U	U	1 UJ	J	1 U	U	1 U	U	1 UJ	J
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U	U	1 UJ	J	1 U	U	1 U	U	1 UJ	J
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U	U	5 UJ	J	5 U	U	5 U	U	5 UJ	J
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U	U	1 UJ	J	1 U	U	1 U	U	1 UJ	J
SW8468260B	1,1-Dichloroethane	ug/l	1 U	U	1 UJ	J	1 U	U	1 U	U	1 UJ	J
SW8468260B	1,1-Dichloroethene	ug/l	1 U	U	1 UJ	J	1 U	U	1 U	U	1 UJ	J
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U	U	5 UJ	J	5 U	U	5 U	U	5 UJ	J
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U	U	5 UJ	J	5 U	U	5 U	U	5 UJ	J
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U	U	5 UJ	J	5 U	U	5 U	U	5 UJ	J
SW8468260B	1,2-Dibromoethane	ug/l	2 U	U	2 UJ	J	2 U	U	2 U	U	2 UJ	J
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U	U	1 UJ	J	1 U	U	1 U	U	1 UJ	J
SW8468260B	1,2-Dichloroethane	ug/l	1 U	U	1 UJ	J	1 U	U	1 U	U	1 UJ	J
SW8468260B	1,2-Dichloropropane	ug/l	2 U	U	2 UJ	J	2 U	U	2 U	U	2 UJ	J
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U	U	1 UJ	J	1 U	U	1 U	U	1 UJ	J
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U	U	1 UJ	J	1 U	U	1 U	U	1 UJ	J
SW8468260B	1,4-Dioxane	ug/l	25 U	U	25 UJ	J	25 U	U	25 U	U	25 UJ	J
SW8468260B	2-Butanone	ug/l	5 U	U	5 UJ	J	5 U	U	5 U	U	5 UJ	J
SW8468260B	2-Hexanone	ug/l	5 U	U	5 UJ	J						
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U	U	5 UJ	J	5 U	U	5 U	U	5 UJ	J
SW8468260B	Acetic acid, methyl ester	ug/l	5 U	U	5 UJ	J	5 U	U	5 U	U	5 UJ	J
SW8468260B	Acetone	ug/l	5 U	U	5 UJ	J						
SW8468260B	Benzene	ug/l	0.5 U	U	0.5 UJ	J	0.5 U	U	0.5 U	U	0.5 UJ	J
SW8468260B	Bromochloromethane	ug/l	5 U	U	5 UJ	J	5 U	U	5 U	U	5 UJ	J
SW8468260B	Bromodichloromethane	ug/l	1 U	U	1 UJ	J	1 U	U	1 U	U	1 UJ	J
SW8468260B	Bromoform	ug/l	1 U	U	1 UJ	J	1 U	U	1 U	U	1 UJ	J
SW8468260B	Bromomethane	ug/l	2 U	U	2 UJ	J	2 U	U	2 U	U	2 UJ	J
SW8468260B	Carbon disulfide	ug/l	5 U	U	5 UJ	J	5 U	U	5 U	U	5 UJ	J
SW8468260B	Carbon tetrachloride	ug/l	1 U	U	1 UJ	J	1 U	U	1 U	U	1 UJ	J
SW8468260B	Chlorobenzene	ug/l	1 U	U	1 UJ	J	1 U	U	1 U	U	1 UJ	J
SW8468260B	Chlorodibromomethane	ug/l	1 U	U	1 UJ	J	1 U	U	1 U	U	1 UJ	J
SW8468260B	Chloroethane	ug/l	2 U	U	2 UJ	J	2 U	U	2 U	U	2 UJ	J
SW8468260B	Chloroform	ug/l	1 U	U	1 UJ	J	1 U	U	1 U	U	1 UJ	J
SW8468260B	Chloromethane	ug/l	2 UJ	J	2 UJ	J	2 U	U	2 U	U	2 UJ	J
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U	U	1 UJ	J	1 U	U	1 U	U	1 UJ	J
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U	U	0.5 UJ	J	0.5 U	U	0.5 U	U	0.5 UJ	J
SW8468260B	Cyclohexane	ug/l	5 U	U	5 UJ	J	5 U	U	5 U	U	5 UJ	J
SW8468260B	Dichlorodifluoromethane	ug/l	2 U	U	2 UJ	J	2 U	U	2 U	U	2 UJ	J
SW8468260B	Ethyl benzene	ug/l	1 U	U	1 UJ	J	1 U	U	1 U	U	1 UJ	J
SW8468260B	Isopropylbenzene	ug/l	5 U	U	5 UJ	J	5 U	U	5 U	U	5 UJ	J
SW8468260B	Methyl cyclohexane	ug/l	5 U	U	5 UJ	J	5 U	U	5 U	U	5 UJ	J
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U	U	1 UJ	J	1 U	U	1 U	U	1 UJ	J
SW8468260B	Methylene chloride	ug/l	2 U	U	2 UJ	J	2 U	U	2 U	U	2 UJ	J
SW8468260B	Styrene	ug/l	5 U	U	5 UJ	J	5 U	U	5 U	U	5 UJ	J
SW8468260B	Tetrachloroethene	ug/l	1 U	U	1 UJ	J	1 U	U	1 U	U	1 UJ	J
SW8468260B	Toluene	ug/l	1 U	U	1 UJ	J	1 U	U	1 U	U	1 UJ	J
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U	U	1 UJ	J	1 U	U	1 U	U	1 UJ	J
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U	U	0.5 UJ	J	0.5 U	U	0.5 U	U	0.5 UJ	J
SW8468260B	Trichloroethene	ug/l	1 U	U	1 UJ	J	1 U	U	1 U	U	1 UJ	J
SW8468260B	Trichlorofluoromethane	ug/l	1 U	U	1 UJ	J	1 U	U	1 U	U	1 UJ	J
SW8468260B	Vinyl chloride	ug/l	1 U	U	1 UJ	J	1 U	U	1 U	U	1 UJ	J
SW8468260B	Xylenes, Total	ug/l	1 U	U	1 UJ	J	1 U	U	1 U	U	1 UJ	J

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87118		M87118		M87118		M87118		M87118	
Location			DP-4		DP-4		DP-4		DP-4		DP-4	
Sample Date			11/4/2009		11/4/2009		11/4/2009		11/4/2009		11/4/2009	
Sample ID			130056GW00410X		130056GW00415X		130056GW00420X		130056GW00425X		130056GW00430X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1	UJ								
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	UJ								
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	UJ								
SW8468260B	1,1,2-Trichloroethane	ug/l	1	UJ								
SW8468260B	1,1-Dichloroethane	ug/l	1	UJ								
SW8468260B	1,1-Dichloroethene	ug/l	1	UJ								
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5	UJ								
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	UJ								
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	UJ								
SW8468260B	1,2-Dibromoethane	ug/l	2	UJ								
SW8468260B	1,2-Dichlorobenzene	ug/l	1	UJ	2.6	J	1	UJ	1	UJ	1	UJ
SW8468260B	1,2-Dichloroethane	ug/l	1	UJ								
SW8468260B	1,2-Dichloropropane	ug/l	2	UJ								
SW8468260B	1,3-Dichlorobenzene	ug/l	1	UJ								
SW8468260B	1,4-Dichlorobenzene	ug/l	1	UJ	2.7	J	1	UJ	1	UJ	1	UJ
SW8468260B	1,4-Dioxane	ug/l	25	UJ								
SW8468260B	2-Butanone	ug/l	5	UJ								
SW8468260B	2-Hexanone	ug/l	5	UJ								
SW8468260B	4-Methyl-2-pentanone	ug/l	5	UJ								
SW8468260B	Acetic acid, methyl ester	ug/l	5	UJ								
SW8468260B	Acetone	ug/l	5	UJ								
SW8468260B	Benzene	ug/l	0.5	UJ								
SW8468260B	Bromochloromethane	ug/l	5	UJ								
SW8468260B	Bromodichloromethane	ug/l	1	UJ								
SW8468260B	Bromoform	ug/l	1	UJ								
SW8468260B	Bromomethane	ug/l	2	UJ								
SW8468260B	Carbon disulfide	ug/l	5	UJ								
SW8468260B	Carbon tetrachloride	ug/l	1	UJ								
SW8468260B	Chlorobenzene	ug/l	1	UJ	3.3	J	1.1	J	1	UJ	1	UJ
SW8468260B	Chlorodibromomethane	ug/l	1	UJ								
SW8468260B	Chloroethane	ug/l	2	UJ								
SW8468260B	Chloroform	ug/l	1	UJ								
SW8468260B	Chloromethane	ug/l	2	UJ								
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	UJ								
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	UJ								
SW8468260B	Cyclohexane	ug/l	5	UJ								
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ								
SW8468260B	Ethyl benzene	ug/l	1	UJ								
SW8468260B	Isopropylbenzene	ug/l	5	UJ								
SW8468260B	Methyl cyclohexane	ug/l	5	UJ								
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	UJ	1	UJ	1	UJ	2.3	J	1.2	J
SW8468260B	Methylene chloride	ug/l	2	UJ								
SW8468260B	Styrene	ug/l	5	UJ								
SW8468260B	Tetrachloroethene	ug/l	1	UJ								
SW8468260B	Toluene	ug/l	1	UJ								
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	UJ								
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	UJ								
SW8468260B	Trichloroethene	ug/l	1	UJ								
SW8468260B	Trichlorofluoromethane	ug/l	1	UJ								
SW8468260B	Vinyl chloride	ug/l	1	UJ								
SW8468260B	Xylenes, Total	ug/l	1	UJ								

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87118		M87118		M87118		M87118		M87118	
Location			DP-4		DP-4		DP-4		DP-4		DP-4	
Sample Date			11/4/2009		11/4/2009		11/4/2009		11/4/2009		11/4/2009	
Sample ID			130056GW00435X		130056GW00440X		130056GW00445X		130056GW00450D		130056GW00450X	
Qc Code			FS		FS		FS		FD		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1	UJ								
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	UJ								
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	UJ								
SW8468260B	1,1,2-Trichloroethane	ug/l	1	UJ								
SW8468260B	1,1-Dichloroethane	ug/l	1	UJ								
SW8468260B	1,1-Dichloroethene	ug/l	1	UJ								
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5	UJ								
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	UJ								
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	UJ								
SW8468260B	1,2-Dibromoethane	ug/l	2	UJ								
SW8468260B	1,2-Dichlorobenzene	ug/l	1	UJ								
SW8468260B	1,2-Dichloroethane	ug/l	1	UJ								
SW8468260B	1,2-Dichloropropane	ug/l	2	UJ								
SW8468260B	1,3-Dichlorobenzene	ug/l	1	UJ								
SW8468260B	1,4-Dichlorobenzene	ug/l	1	UJ								
SW8468260B	1,4-Dioxane	ug/l	25	UJ								
SW8468260B	2-Butanone	ug/l	5	UJ								
SW8468260B	2-Hexanone	ug/l	5	UJ								
SW8468260B	4-Methyl-2-pentanone	ug/l	5	UJ								
SW8468260B	Acetic acid, methyl ester	ug/l	5	UJ								
SW8468260B	Acetone	ug/l	5	UJ								
SW8468260B	Benzene	ug/l	0.5	UJ								
SW8468260B	Bromochloromethane	ug/l	5	UJ								
SW8468260B	Bromodichloromethane	ug/l	1	UJ								
SW8468260B	Bromoform	ug/l	1	UJ								
SW8468260B	Bromomethane	ug/l	2	UJ								
SW8468260B	Carbon disulfide	ug/l	5	UJ								
SW8468260B	Carbon tetrachloride	ug/l	1	UJ								
SW8468260B	Chlorobenzene	ug/l	1	UJ								
SW8468260B	Chlorodibromomethane	ug/l	1	UJ								
SW8468260B	Chloroethane	ug/l	2	UJ								
SW8468260B	Chloroform	ug/l	1	UJ								
SW8468260B	Chloromethane	ug/l	2	UJ								
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	UJ								
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	UJ								
SW8468260B	Cyclohexane	ug/l	5	UJ								
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ								
SW8468260B	Ethyl benzene	ug/l	1	UJ								
SW8468260B	Isopropylbenzene	ug/l	5	UJ								
SW8468260B	Methyl cyclohexane	ug/l	5	UJ								
SW8468260B	Methyl Tertbutyl Ether	ug/l	1.4	J	5.7	J	9.3	J	1.1	J	1	UJ
SW8468260B	Methylene chloride	ug/l	2	UJ								
SW8468260B	Styrene	ug/l	5	UJ								
SW8468260B	Tetrachloroethene	ug/l	1	UJ								
SW8468260B	Toluene	ug/l	1	UJ								
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	UJ								
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	UJ								
SW8468260B	Trichloroethene	ug/l	1	UJ								
SW8468260B	Trichlorofluoromethane	ug/l	1	UJ								
SW8468260B	Vinyl chloride	ug/l	1	UJ								
SW8468260B	Xylenes, Total	ug/l	1	UJ								

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87118		M87118		M87118		M87118		M87118	
Location			DP-4		DP-4		DP-4		DP-4		DP-4	
Sample Date			11/4/2009		11/4/2009		11/4/2009		11/4/2009		11/4/2009	
Sample ID			130056GW00455X		130056GW00460X		130056GW00465X		130056GW00470X		130056GW00475X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1	UJ								
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	UJ								
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	UJ								
SW8468260B	1,1,2-Trichloroethane	ug/l	1	UJ								
SW8468260B	1,1-Dichloroethane	ug/l	1	UJ								
SW8468260B	1,1-Dichloroethene	ug/l	1	UJ								
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5	UJ								
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	UJ								
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	UJ								
SW8468260B	1,2-Dibromoethane	ug/l	2	UJ								
SW8468260B	1,2-Dichlorobenzene	ug/l	1	UJ								
SW8468260B	1,2-Dichloroethane	ug/l	1	UJ								
SW8468260B	1,2-Dichloropropane	ug/l	2	UJ								
SW8468260B	1,3-Dichlorobenzene	ug/l	1	UJ								
SW8468260B	1,4-Dichlorobenzene	ug/l	1	UJ								
SW8468260B	1,4-Dioxane	ug/l	25	UJ								
SW8468260B	2-Butanone	ug/l	5	UJ								
SW8468260B	2-Hexanone	ug/l	5	UJ								
SW8468260B	4-Methyl-2-pentanone	ug/l	5	UJ								
SW8468260B	Acetic acid, methyl ester	ug/l	5	UJ								
SW8468260B	Acetone	ug/l	5	UJ								
SW8468260B	Benzene	ug/l	0.5	UJ								
SW8468260B	Bromochloromethane	ug/l	5	UJ								
SW8468260B	Bromodichloromethane	ug/l	1	UJ								
SW8468260B	Bromoform	ug/l	1	UJ								
SW8468260B	Bromomethane	ug/l	2	UJ								
SW8468260B	Carbon disulfide	ug/l	5	UJ								
SW8468260B	Carbon tetrachloride	ug/l	1	UJ								
SW8468260B	Chlorobenzene	ug/l	1	UJ								
SW8468260B	Chlorodibromomethane	ug/l	1	UJ								
SW8468260B	Chloroethane	ug/l	2	UJ								
SW8468260B	Chloroform	ug/l	1	UJ								
SW8468260B	Chloromethane	ug/l	2	UJ								
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	UJ								
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	UJ								
SW8468260B	Cyclohexane	ug/l	5	UJ								
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ								
SW8468260B	Ethyl benzene	ug/l	1	UJ								
SW8468260B	Isopropylbenzene	ug/l	5	UJ								
SW8468260B	Methyl cyclohexane	ug/l	5	UJ								
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	UJ	1	UJ	1	UJ	9	J	21.4	J
SW8468260B	Methylene chloride	ug/l	2	UJ								
SW8468260B	Styrene	ug/l	5	UJ								
SW8468260B	Tetrachloroethene	ug/l	1	UJ								
SW8468260B	Toluene	ug/l	1	UJ								
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	UJ								
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	UJ								
SW8468260B	Trichloroethene	ug/l	1	UJ								
SW8468260B	Trichlorofluoromethane	ug/l	1	UJ								
SW8468260B	Vinyl chloride	ug/l	1	UJ								
SW8468260B	Xylenes, Total	ug/l	1	UJ								

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87118		M87118		M87118		M87118		M87118	
Location			DP-4		DP-4		DP-4		DP-5		DP-5	
Sample Date			11/4/2009		11/4/2009		11/4/2009		11/4/2009		11/4/2009	
Sample ID			130056GW00480D		130056GW00480X		130056GW00485X		130056GW00550X		130056GW00555X	
Qc Code			FD		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1	UJ								
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	UJ								
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	UJ								
SW8468260B	1,1,2-Trichloroethane	ug/l	1	UJ								
SW8468260B	1,1-Dichloroethane	ug/l	1	UJ								
SW8468260B	1,1-Dichloroethene	ug/l	1	UJ								
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5	UJ								
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	UJ								
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	UJ								
SW8468260B	1,2-Dibromoethane	ug/l	2	UJ								
SW8468260B	1,2-Dichlorobenzene	ug/l	1	UJ								
SW8468260B	1,2-Dichloroethane	ug/l	1	UJ								
SW8468260B	1,2-Dichloropropane	ug/l	2	UJ								
SW8468260B	1,3-Dichlorobenzene	ug/l	1	UJ								
SW8468260B	1,4-Dichlorobenzene	ug/l	1	UJ								
SW8468260B	1,4-Dioxane	ug/l	25	UJ								
SW8468260B	2-Butanone	ug/l	5	UJ								
SW8468260B	2-Hexanone	ug/l	5	UJ								
SW8468260B	4-Methyl-2-pentanone	ug/l	5	UJ								
SW8468260B	Acetic acid, methyl ester	ug/l	5	UJ								
SW8468260B	Acetone	ug/l	5	UJ								
SW8468260B	Benzene	ug/l	0.5	UJ								
SW8468260B	Bromochloromethane	ug/l	5	UJ								
SW8468260B	Bromodichloromethane	ug/l	1	UJ								
SW8468260B	Bromoform	ug/l	1	UJ								
SW8468260B	Bromomethane	ug/l	2	UJ								
SW8468260B	Carbon disulfide	ug/l	5	UJ								
SW8468260B	Carbon tetrachloride	ug/l	1	UJ								
SW8468260B	Chlorobenzene	ug/l	1	UJ								
SW8468260B	Chlorodibromomethane	ug/l	1	UJ								
SW8468260B	Chloroethane	ug/l	2	UJ								
SW8468260B	Chloroform	ug/l	1	UJ								
SW8468260B	Chloromethane	ug/l	2	UJ								
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	UJ								
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	UJ								
SW8468260B	Cyclohexane	ug/l	5	UJ								
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ								
SW8468260B	Ethyl benzene	ug/l	1	UJ								
SW8468260B	Isopropylbenzene	ug/l	5	UJ								
SW8468260B	Methyl cyclohexane	ug/l	5	UJ								
SW8468260B	Methyl Tertbutyl Ether	ug/l	6.1	J	6.1	J	6.7	J	1	UJ	1	UJ
SW8468260B	Methylene chloride	ug/l	2	UJ								
SW8468260B	Styrene	ug/l	5	UJ								
SW8468260B	Tetrachloroethene	ug/l	1	UJ	1	UJ	1	UJ	11.6	J	5	J
SW8468260B	Toluene	ug/l	1	UJ								
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	UJ								
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	UJ								
SW8468260B	Trichloroethene	ug/l	1	UJ								
SW8468260B	Trichlorofluoromethane	ug/l	1	UJ								
SW8468260B	Vinyl chloride	ug/l	1	UJ								
SW8468260B	Xylenes, Total	ug/l	1	UJ								

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87118		M87118		M87118		M87118		M87118	
Location			DP-5		DP-5		DP-5		DP-5		DP-5	
Sample Date			11/4/2009		11/4/2009		11/4/2009		11/4/2009		11/4/2009	
Sample ID			130056GW00560X		130056GW00565X		130056GW00570X		130056GW00575X		130056GW00580X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1	UJ								
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	UJ								
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	UJ								
SW8468260B	1,1,2-Trichloroethane	ug/l	1	UJ								
SW8468260B	1,1-Dichloroethane	ug/l	1	UJ								
SW8468260B	1,1-Dichloroethene	ug/l	1	UJ								
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5	UJ								
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	UJ								
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	UJ								
SW8468260B	1,2-Dibromoethane	ug/l	2	UJ								
SW8468260B	1,2-Dichlorobenzene	ug/l	1	UJ								
SW8468260B	1,2-Dichloroethane	ug/l	1	UJ								
SW8468260B	1,2-Dichloropropane	ug/l	2	UJ								
SW8468260B	1,3-Dichlorobenzene	ug/l	1	UJ								
SW8468260B	1,4-Dichlorobenzene	ug/l	1	UJ								
SW8468260B	1,4-Dioxane	ug/l	25	UJ								
SW8468260B	2-Butanone	ug/l	5	UJ								
SW8468260B	2-Hexanone	ug/l	5	UJ								
SW8468260B	4-Methyl-2-pentanone	ug/l	5	UJ								
SW8468260B	Acetic acid, methyl ester	ug/l	5	UJ								
SW8468260B	Acetone	ug/l	5	UJ								
SW8468260B	Benzene	ug/l	0.5	UJ								
SW8468260B	Bromochloromethane	ug/l	5	UJ								
SW8468260B	Bromodichloromethane	ug/l	1	UJ								
SW8468260B	Bromoform	ug/l	1	UJ								
SW8468260B	Bromomethane	ug/l	2	UJ								
SW8468260B	Carbon disulfide	ug/l	5	UJ								
SW8468260B	Carbon tetrachloride	ug/l	1	UJ								
SW8468260B	Chlorobenzene	ug/l	1	UJ								
SW8468260B	Chlorodibromomethane	ug/l	1	UJ								
SW8468260B	Chloroethane	ug/l	2	UJ								
SW8468260B	Chloroform	ug/l	1	UJ								
SW8468260B	Chloromethane	ug/l	2	UJ								
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	UJ								
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	UJ								
SW8468260B	Cyclohexane	ug/l	5	UJ								
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ								
SW8468260B	Ethyl benzene	ug/l	1	UJ								
SW8468260B	Isopropylbenzene	ug/l	5	UJ								
SW8468260B	Methyl cyclohexane	ug/l	5	UJ								
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	UJ								
SW8468260B	Methylene chloride	ug/l	2	UJ								
SW8468260B	Styrene	ug/l	5	UJ								
SW8468260B	Tetrachloroethene	ug/l	3.3	J	2.4	J	2.3	J	3.2	J	2.8	J
SW8468260B	Toluene	ug/l	1	UJ								
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	UJ								
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	UJ								
SW8468260B	Trichloroethene	ug/l	1	UJ								
SW8468260B	Trichlorofluoromethane	ug/l	1	UJ								
SW8468260B	Vinyl chloride	ug/l	1	UJ								
SW8468260B	Xylenes, Total	ug/l	1	UJ								

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87118		M87118		M87118		M87118		M87118	
Location			DP-5		DP-5		DP-6		DP-6		DP-6	
Sample Date			11/4/2009		11/4/2009		11/6/2009		11/6/2009		11/6/2009	
Sample ID			130056GW00585X		130056GW00590X		130056GW00610X		130056GW00615X		130056GW00620X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	UJ	5	UJ	5	U	5	U	5	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5	UJ	5	UJ	5	U	5	U	5	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	UJ	5	UJ	5	U	5	U	5	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	UJ	5	UJ	5	U	5	U	5	U
SW8468260B	1,2-Dibromoethane	ug/l	2	UJ	2	UJ	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	1,2-Dichloropropane	ug/l	2	UJ	2	UJ	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	1,4-Dioxane	ug/l	25	UJ	25	UJ	25	U	25	U	25	U
SW8468260B	2-Butanone	ug/l	5	UJ	5	UJ	5	U	5	U	5	UJ
SW8468260B	2-Hexanone	ug/l	5	UJ	5	UJ	5	U	5	U	5	UJ
SW8468260B	4-Methyl-2-pentanone	ug/l	5	UJ	5	UJ	5	U	5	U	5	U
SW8468260B	Acetic acid, methyl ester	ug/l	5	UJ	5	UJ	5	U	5	U	5	U
SW8468260B	Acetone	ug/l	5	UJ	5	UJ	5	U	5	U	5	UJ
SW8468260B	Benzene	ug/l	0.5	UJ	0.5	UJ	0.5	U	0.5	U	0.5	U
SW8468260B	Bromochloromethane	ug/l	5	UJ	5	UJ	5	U	5	U	5	U
SW8468260B	Bromodichloromethane	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	Bromoform	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	Bromomethane	ug/l	2	UJ	2	UJ	2	U	2	U	2	U
SW8468260B	Carbon disulfide	ug/l	5	UJ	5	UJ	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	Chlorobenzene	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	Chloroethane	ug/l	2	UJ	2	UJ	2	U	2	U	2	U
SW8468260B	Chloroform	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	Chloromethane	ug/l	2	UJ								
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	UJ	0.5	UJ	0.5	U	0.5	U	0.5	U
SW8468260B	Cyclohexane	ug/l	5	UJ	5	UJ	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ								
SW8468260B	Ethyl benzene	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	5	UJ	5	UJ	5	U	5	U	5	U
SW8468260B	Methyl cyclohexane	ug/l	5	UJ	5	UJ	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	UJ	2	UJ	2	U	2	U	2	U
SW8468260B	Styrene	ug/l	5	UJ	5	UJ	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	8.9	J	6.9	J	1	U	1	U	1	U
SW8468260B	Toluene	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	UJ	0.5	UJ	0.5	U	0.5	U	0.5	U
SW8468260B	Trichloroethene	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	Trichlorofluoromethane	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	Vinyl chloride	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	1	UJ	1	UJ	1	U	1	U	1	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
DATA USABILITY SUMMARY REPORT
2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group			M87118		M87118		M87118		M87118		M87118	
Location			DP-6		DP-6		DP-6		DP-6		DP-6	
Sample Date			11/6/2009		11/6/2009		11/6/2009		11/6/2009		11/6/2009	
Sample ID			130056GW00625X		130056GW00630X		130056GW00635X		130056GW00640X		130056GW00645X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dioxane	ug/l	25	U								
SW8468260B	2-Butanone	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	2-Hexanone	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Acetic acid, methyl ester	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Acetone	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Benzene	ug/l	0.5	U								
SW8468260B	Bromochloromethane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromoform	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromomethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloroethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	Chloroform	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloromethane	ug/l	2	UJ								
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U								
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ								
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	Styrene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Toluene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	U								
SW8468260B	Trichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	1	U	1	U	1	U	1	U	1	U

Notes:
QC Code: FS =field sample; FD=field duplicate.
Qualifiers: U=non detect; J=estimated
Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87118		M87118		M87118		M87118		M87118	
Location			DP-6		DP-6		DP-6		DP-6		DP-6	
Sample Date			11/6/2009		11/6/2009		11/6/2009		11/6/2009		11/6/2009	
Sample ID			130056GW00650X		130056GW00655X		130056GW00660X		130056GW00665X		130056GW00670X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromoethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloropropane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dioxane	ug/l	25 U	U								
SW8468260B	2-Butanone	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	2-Hexanone	ug/l	5 UJ	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Acetic acid, methyl ester	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Acetone	ug/l	5 UJ	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Benzene	ug/l	0.5 U	U								
SW8468260B	Bromochloromethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Bromodichloromethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromoform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromomethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Carbon disulfide	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Carbon tetrachloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorodibromomethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloroethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Chloroform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloromethane	ug/l	2 UJ	U								
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U	U								
SW8468260B	Cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Dichlorodifluoromethane	ug/l	2 UJ	U								
SW8468260B	Ethyl benzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Isopropylbenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Methylene chloride	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Styrene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Tetrachloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Toluene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U	U								
SW8468260B	Trichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Trichlorofluoromethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Vinyl chloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Xylenes, Total	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87699		M87699		M87699		M87699		M87699	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 UJ	J	1 UJ	J
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U	5 UJ	J	5 UJ	J
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U	5 UJ	J	5 UJ	J
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U	U	5 U	U	5 U	U	5 UJ	J	5 UJ	J
SW8468260B	1,2-Dibromoethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 UJ	J	1 UJ	J
SW8468260B	1,2-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloropropane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 UJ	J	1 UJ	J
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 UJ	J	1 UJ	J
SW8468260B	1,4-Dioxane	ug/l	25 U	U	25 UJ	J						
SW8468260B	2-Butanone	ug/l	5 UJ	J								
SW8468260B	2-Hexanone	ug/l	5 UJ	J								
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Acetic acid, methyl ester	ug/l	5 UJ	J								
SW8468260B	Acetone	ug/l	5 UJ	J								
SW8468260B	Benzene	ug/l	0.5 U	U								
SW8468260B	Bromochloromethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Bromodichloromethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromoform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromomethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Carbon disulfide	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Carbon tetrachloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorodibromomethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloroethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Chloroform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloromethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U	U								
SW8468260B	Cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Dichlorodifluoromethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Ethyl benzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Isopropylbenzene	ug/l	5 UJ	J								
SW8468260B	Methyl cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Methylene chloride	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Styrene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Tetrachloroethene	ug/l	1 U	U	99.3	U	215	U	32.7	U	14.8	U
SW8468260B	Toluene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U	U								
SW8468260B	Trichloroethene	ug/l	1 U	U	2.8	U	8.2	U	1 U	U	1 U	U
SW8468260B	Trichlorofluoromethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Vinyl chloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Xylenes, Total	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87699		M87699		M87699		M87699		M87699	
Location			DP-11		DP-11		DP-11		DP-11		DP-11	
Sample Date			11/30/2009		11/30/2009		11/30/2009		11/30/2009		11/30/2009	
Sample ID			130056GW01135D		130056GW01135X		130056GW01140X		130056GW01145X		130056GW01150X	
Qc Code			FD		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 UJ									
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 UJ									
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 UJ									
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 UJ									
SW8468260B	1,2-Dibromoethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1 UJ									
SW8468260B	1,2-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloropropane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1 UJ									
SW8468260B	1,4-Dichlorobenzene	ug/l	1 UJ									
SW8468260B	1,4-Dioxane	ug/l	25 U									
SW8468260B	2-Butanone	ug/l	5 UJ									
SW8468260B	2-Hexanone	ug/l	5 UJ									
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Acetic acid, methyl ester	ug/l	5 UJ									
SW8468260B	Acetone	ug/l	5 UJ									
SW8468260B	Benzene	ug/l	0.5 U									
SW8468260B	Bromochloromethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Bromodichloromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromoform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromomethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Carbon disulfide	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Carbon tetrachloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorodibromomethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloroethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Chloroform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloromethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	2.8		3		6.2		7.5		2.8	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Dichlorodifluoromethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Ethyl benzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Isopropylbenzene	ug/l	5 UJ									
SW8468260B	Methyl cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U		1 U		1 U		1.3		1 U	
SW8468260B	Methylene chloride	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Styrene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Tetrachloroethene	ug/l	27.7		26.9		47.4		51.7		34	
SW8468260B	Toluene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Trichloroethene	ug/l	1 U		1 U		4		5.4		1 U	
SW8468260B	Trichlorofluoromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Vinyl chloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Xylenes, Total	ug/l	1 U		1 U		1 U		1 U		1 U	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87699		M87699		M87699		M87699		M87699	
Location			DP-11		DP-11		DP-11		DP-11		DP-11	
Sample Date			11/30/2009		11/30/2009		11/30/2009		11/30/2009		11/30/2009	
Sample ID			130056GW01155X		130056GW01160X		130056GW01165X		130056GW01170X		130056GW01175X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 UJ									
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 UJ									
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 UJ									
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 UJ									
SW8468260B	1,2-Dibromoethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1 UJ									
SW8468260B	1,2-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloropropane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1 UJ									
SW8468260B	1,4-Dichlorobenzene	ug/l	1 UJ									
SW8468260B	1,4-Dioxane	ug/l	25 U									
SW8468260B	2-Butanone	ug/l	5 UJ									
SW8468260B	2-Hexanone	ug/l	5 UJ									
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Acetic acid, methyl ester	ug/l	5 UJ									
SW8468260B	Acetone	ug/l	5 UJ									
SW8468260B	Benzene	ug/l	0.5 U									
SW8468260B	Bromochloromethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Bromodichloromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromoform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromomethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Carbon disulfide	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Carbon tetrachloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorodibromomethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloroethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Chloroform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloromethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Dichlorodifluoromethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Ethyl benzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Isopropylbenzene	ug/l	5 UJ									
SW8468260B	Methyl cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U		1 U		1		1 U		1 U	
SW8468260B	Methylene chloride	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Styrene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Tetrachloroethene	ug/l	1.6		30.4		52		26		11.6	
SW8468260B	Toluene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Trichloroethene	ug/l	1 U		1 U		1.7		1 U		1 U	
SW8468260B	Trichlorofluoromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Vinyl chloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Xylenes, Total	ug/l	1 U		1 U		1 U		1 U		1 U	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87699		M87699		M87699		M87699		M87699	
Location			DP-11		DP-11		DP-11		DP-15		DP-15	
Sample Date			11/30/2009		11/30/2009		11/30/2009		11/30/2009		11/30/2009	
Sample ID			130056GW01180X		130056GW01185X		130056GW01190X		130056GW01510X		130056GW01515X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 UJ		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 UJ		5 U		5 U		5 U		5 U	
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 UJ		5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 UJ		5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromoethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1 UJ		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloropropane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1 UJ		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dichlorobenzene	ug/l	1 UJ		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dioxane	ug/l	25 UJ									
SW8468260B	2-Butanone	ug/l	5 UJ		5 U		5 U		5 U		5 U	
SW8468260B	2-Hexanone	ug/l	5 UJ		5 U		5 U		5 U		5 U	
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Acetic acid, methyl ester	ug/l	5 UJ		5 U		5 U		5 U		5 U	
SW8468260B	Acetone	ug/l	5 UJ									
SW8468260B	Benzene	ug/l	0.5 U									
SW8468260B	Bromochloromethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Bromodichloromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromoform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromomethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Carbon disulfide	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Carbon tetrachloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorodibromomethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloroethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Chloroform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloromethane	ug/l	2 U		2 UJ		2 UJ		2 UJ		2 UJ	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Dichlorodifluoromethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Ethyl benzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Isopropylbenzene	ug/l	5 UJ		5 U		5 U		5 U		5 U	
SW8468260B	Methyl cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Methylene chloride	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Styrene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Tetrachloroethene	ug/l	7.7		10.2		11.9		1 U		12.4	
SW8468260B	Toluene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Trichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Trichlorofluoromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Vinyl chloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Xylenes, Total	ug/l	1 U		1 U		1 U		1 U		1 U	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87699		M87699		M87699		M87699		M87699	
Location			DP-15		DP-15		DP-15		DP-15		DP-15	
Sample Date			11/30/2009		11/30/2009		11/30/2009		11/30/2009		11/30/2009	
Sample ID			130056GW01520X		130056GW01525X		130056GW01530X		130056GW01535D		130056GW01535X	
Qc Code			FS		FS		FS		FD		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromoethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloropropane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dioxane	ug/l	25 UJ	UJ								
SW8468260B	2-Butanone	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	2-Hexanone	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Acetic acid, methyl ester	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Acetone	ug/l	5 UJ	UJ								
SW8468260B	Benzene	ug/l	0.5 U	U								
SW8468260B	Bromochloromethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Bromodichloromethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromoform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromomethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Carbon disulfide	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Carbon tetrachloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorodibromomethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloroethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Chloroform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloromethane	ug/l	2 UJ	UJ								
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U	U								
SW8468260B	Cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Dichlorodifluoromethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Ethyl benzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Isopropylbenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Methylene chloride	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Styrene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Tetrachloroethene	ug/l	171		69.8		124		19.4		19.3	
SW8468260B	Toluene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U	U								
SW8468260B	Trichloroethene	ug/l	4.5		1.5		1.6		1 U		1 U	
SW8468260B	Trichlorofluoromethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Vinyl chloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Xylenes, Total	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87699		M87699		M87699		M87699		M87699	
Location			DP-15		DP-15		DP-15		DP-15		DP-15	
Sample Date			11/30/2009		11/30/2009		11/30/2009		11/30/2009		11/30/2009	
Sample ID			130056GW01540X		130056GW01545X		130056GW01550X		130056GW01555X		130056GW01560X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromoethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloropropane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dioxane	ug/l	25 UJ									
SW8468260B	2-Butanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	2-Hexanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Acetic acid, methyl ester	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Acetone	ug/l	5 UJ									
SW8468260B	Benzene	ug/l	0.5 U									
SW8468260B	Bromochloromethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Bromodichloromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromoform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromomethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Carbon disulfide	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Carbon tetrachloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorodibromomethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloroethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Chloroform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloromethane	ug/l	2 UJ									
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Dichlorodifluoromethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Ethyl benzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Isopropylbenzene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Methylene chloride	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Styrene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Tetrachloroethene	ug/l	9.2		6.2		6.5		4.5		7.1	
SW8468260B	Toluene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Trichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Trichlorofluoromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Vinyl chloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Xylenes, Total	ug/l	1 U		1 U		1 U		1 U		1 U	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87699		M87699		M87768		M87768		M87768	
Location			DP-15		DP-15		DP-07		DP-07		DP-07	
Sample Date			11/30/2009		11/30/2009		12/1/2009		12/1/2009		12/1/2009	
Sample ID			130056GW01565D		130056GW01565X		130056GW00710X		130056GW00715X		130056GW00720X	
Qc Code			FD		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromoethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloropropane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dioxane	ug/l	25 UJ		25 UJ		25 U		25 U		25 U	
SW8468260B	2-Butanone	ug/l	5 U	U	5 U	U	5 UJ		5 UJ		5 UJ	
SW8468260B	2-Hexanone	ug/l	5 U	U	5 U	U	5 UJ		5 UJ		5 UJ	
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Acetic acid, methyl ester	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Acetone	ug/l	5 UJ									
SW8468260B	Benzene	ug/l	0.5 U	U								
SW8468260B	Bromochloromethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Bromodichloromethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromoform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromomethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Carbon disulfide	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Carbon tetrachloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorodibromomethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloroethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Chloroform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloromethane	ug/l	2 UJ		2 UJ		2 U		2 U		2 U	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U	U								
SW8468260B	Cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Dichlorodifluoromethane	ug/l	2 U	U	2 U	U	2 UJ		2 UJ		2 UJ	
SW8468260B	Ethyl benzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Isopropylbenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Methylene chloride	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Styrene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Tetrachloroethene	ug/l	5.6		6.3		1 U		1.2		1 U	
SW8468260B	Toluene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U	U								
SW8468260B	Trichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Trichlorofluoromethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Vinyl chloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Xylenes, Total	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87768		M87768		M87768		M87768		M87768	
Location			DP-07		DP-07		DP-07		DP-07		DP-07	
Sample Date			12/1/2009		12/1/2009		12/1/2009		12/1/2009		12/1/2009	
Sample ID			130056GW00725X		130056GW00730X		130056GW00735X		130056GW00740X		130056GW00745X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromoethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloropropane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dioxane	ug/l	25 U	U								
SW8468260B	2-Butanone	ug/l	5 UJ	J								
SW8468260B	2-Hexanone	ug/l	5 UJ	J								
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Acetic acid, methyl ester	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Acetone	ug/l	5 UJ	J								
SW8468260B	Benzene	ug/l	0.5 U	U								
SW8468260B	Bromochloromethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Bromodichloromethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromoform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromomethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Carbon disulfide	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Carbon tetrachloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorodibromomethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloroethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Chloroform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloromethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U	U								
SW8468260B	Cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Dichlorodifluoromethane	ug/l	2 UJ	J								
SW8468260B	Ethyl benzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Isopropylbenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U	U	1 U	U	9.3		5.3		3.6	
SW8468260B	Methylene chloride	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Styrene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Tetrachloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Toluene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U	U								
SW8468260B	Trichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Trichlorofluoromethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Vinyl chloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Xylenes, Total	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87768		M87768		M87768		M87768		M87768	
Location			DP-07		DP-07		DP-07		DP-07		DP-07	
Sample Date			12/2/2009		12/2/2009		12/2/2009		12/2/2009		12/2/2009	
Sample ID			130056GW00750X		130056GW00755D		130056GW00755X		130056GW00760X		130056GW00765X	
Qc Code			FS		FD		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1	UJ								
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	UJ								
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dioxane	ug/l	25	U								
SW8468260B	2-Butanone	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	2-Hexanone	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Acetic acid, methyl ester	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Acetone	ug/l	5	UJ								
SW8468260B	Benzene	ug/l	0.5	U								
SW8468260B	Bromochloromethane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Bromodichloromethane	ug/l	1	UJ								
SW8468260B	Bromoform	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromomethane	ug/l	2	UJ								
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	UJ								
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	UJ								
SW8468260B	Chloroethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	Chloroform	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloromethane	ug/l	2	UJ								
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U								
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ								
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	Styrene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Toluene	ug/l	1	U	1	U	1	U	1	U	2.9	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	U								
SW8468260B	Trichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Trichlorofluoromethane	ug/l	1	UJ								
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	1	U	1	U	1	U	1	U	1	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87768		M87768		M87768		M87768		M87768	
Location			DP-07		DP-07		DP-08		DP-08		DP-08	
Sample Date			12/2/2009		12/2/2009		12/1/2009		12/1/2009		12/1/2009	
Sample ID			130056GW00770X		130056GW00775X		130056GW00810X		130056GW00815X		130056GW00820X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1	UJ	1	UJ	1	UJ	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	UJ	5	UJ	5	UJ	5	U	5	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dioxane	ug/l	25	U								
SW8468260B	2-Butanone	ug/l	5	U	5	U	5	U	5	UJ	5	UJ
SW8468260B	2-Hexanone	ug/l	5	U	5	U	5	U	5	UJ	5	UJ
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Acetic acid, methyl ester	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Acetone	ug/l	5	UJ								
SW8468260B	Benzene	ug/l	0.5	U								
SW8468260B	Bromochloromethane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Bromodichloromethane	ug/l	1	UJ	1	UJ	1	UJ	1	U	1	U
SW8468260B	Bromoform	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromomethane	ug/l	2	UJ	2	UJ	2	UJ	2	U	2	U
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	UJ	1	UJ	1	UJ	1	U	1	U
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	UJ	1	UJ	1	UJ	1	U	1	U
SW8468260B	Chloroethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	Chloroform	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloromethane	ug/l	2	UJ	2	UJ	2	UJ	2	U	2	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1.8		1.3	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U								
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ								
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	Styrene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	1	U	1	U	7.9		5.2		7.6	
SW8468260B	Toluene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	U								
SW8468260B	Trichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Trichlorofluoromethane	ug/l	1	UJ	1	UJ	1	UJ	1	U	1	U
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	1	U	1	U	1	U	1	U	1	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87768		M87768		M87768		M87768		M87768	
Location			DP-08		DP-08		DP-08		DP-08		DP-08	
Sample Date			12/1/2009		12/1/2009		12/1/2009		12/1/2009		12/1/2009	
Sample ID			130056GW00825X		130056GW00830X		130056GW00835X		130056GW00840X		130056GW00845X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dioxane	ug/l	25	U								
SW8468260B	2-Butanone	ug/l	5	UJ								
SW8468260B	2-Hexanone	ug/l	5	UJ								
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Acetic acid, methyl ester	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Acetone	ug/l	5	UJ								
SW8468260B	Benzene	ug/l	0.5	U								
SW8468260B	Bromochloromethane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromoform	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromomethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloroethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	Chloroform	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloromethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U								
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ								
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	2.9		2.2		2.5		1.6		1	
SW8468260B	Methylene chloride	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	Styrene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	1.3		1		3		7.3		1	
SW8468260B	Toluene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	U								
SW8468260B	Trichloroethene	ug/l	1	U	1	U	1.1		3		1	
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	1	U	1	U	1	U	1	U	1	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87768		M87768		M87768		M87768		M87768	
Location			DP-08		DP-08		DP-08		DP-08		DP-08	
Sample Date			12/1/2009		12/1/2009		12/1/2009		12/1/2009		12/1/2009	
Sample ID			130056GW00850X		130056GW00855X		130056GW00860X		130056GW00865X		130056GW00870D	
Qc Code			FS		FS		FS		FS		FD	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1	UJ	1	U	1	U	1	U	1	UJ
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	UJ	5	U	5	U	5	U	5	UJ
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dioxane	ug/l	25	U								
SW8468260B	2-Butanone	ug/l	5	U	5	UJ	5	UJ	5	UJ	5	U
SW8468260B	2-Hexanone	ug/l	5	U	5	UJ	5	UJ	5	UJ	5	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Acetic acid, methyl ester	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Acetone	ug/l	5	UJ								
SW8468260B	Benzene	ug/l	0.5	U								
SW8468260B	Bromochloromethane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Bromodichloromethane	ug/l	1	UJ	1	U	1	U	1	U	1	UJ
SW8468260B	Bromoform	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromomethane	ug/l	2	UJ	2	U	2	U	2	U	2	UJ
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	UJ	1	U	1	U	1	U	1	UJ
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	UJ	1	U	1	U	1	U	1	UJ
SW8468260B	Chloroethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	Chloroform	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloromethane	ug/l	2	UJ	2	U	2	U	2	U	2	UJ
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U								
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ								
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	Styrene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Toluene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	U								
SW8468260B	Trichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Trichlorofluoromethane	ug/l	1	UJ	1	U	1	U	1	U	1	UJ
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	1	U	1	U	1	U	1	U	1	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87768		M87768		M87768		M87768		M87768	
Location			DP-08		DP-08		DP-08		DP-08		DP-09	
Sample Date			12/1/2009		12/1/2009		12/1/2009		12/1/2009		12/1/2009	
Sample ID			130056GW00870X		130056GW00875X		130056GW00880X		130056GW00885X		130056GW00910X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U	UJ								
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 UJ	UJ								
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromoethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloropropane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dioxane	ug/l	25 U	U								
SW8468260B	2-Butanone	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	2-Hexanone	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Acetic acid, methyl ester	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Acetone	ug/l	5 UJ	UJ								
SW8468260B	Benzene	ug/l	0.5 U	U								
SW8468260B	Bromochloromethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Bromodichloromethane	ug/l	1 UJ	UJ								
SW8468260B	Bromoform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromomethane	ug/l	2 UJ	UJ								
SW8468260B	Carbon disulfide	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Carbon tetrachloride	ug/l	1 UJ	UJ								
SW8468260B	Chlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorodibromomethane	ug/l	1 UJ	UJ								
SW8468260B	Chloroethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Chloroform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloromethane	ug/l	2 UJ	UJ								
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U	U								
SW8468260B	Cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Dichlorodifluoromethane	ug/l	2 UJ	UJ								
SW8468260B	Ethyl benzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Isopropylbenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Methylene chloride	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Styrene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Tetrachloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Toluene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U	U								
SW8468260B	Trichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Trichlorofluoromethane	ug/l	1 UJ	UJ								
SW8468260B	Vinyl chloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Xylenes, Total	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87768		M87768		M87768		M87768		M87768	
Location			DP-09		DP-09		DP-09		DP-09		DP-09	
Sample Date			12/1/2009		12/1/2009		12/1/2009		12/1/2009		12/1/2009	
Sample ID			130056GW00915X		130056GW00920X		130056GW00925X		130056GW00930X		130056GW00935D	
Qc Code			FS		FS		FS		FS		FD	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	UJ								
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5	U	5	U	5	UJ	5	UJ	5	UJ
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dioxane	ug/l	25	U								
SW8468260B	2-Butanone	ug/l	5	U	5	U	5	UJ	5	UJ	5	UJ
SW8468260B	2-Hexanone	ug/l	5	U	5	U	5	UJ	5	UJ	5	UJ
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	UJ	5	UJ	5	UJ
SW8468260B	Acetic acid, methyl ester	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Acetone	ug/l	5	UJ								
SW8468260B	Benzene	ug/l	0.5	U								
SW8468260B	Bromochloromethane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Bromodichloromethane	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	Bromoform	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromomethane	ug/l	2	UJ								
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	Chloroethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	Chloroform	ug/l	8.7		1	U	1	U	1	U	1	U
SW8468260B	Chloromethane	ug/l	2	UJ	2	UJ	2	U	2	U	2	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U								
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ								
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	Styrene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	8.3		978		198		89.2		44.2	
SW8468260B	Toluene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	U								
SW8468260B	Trichloroethene	ug/l	1	U	14.3		2.1		1	U	1	U
SW8468260B	Trichlorofluoromethane	ug/l	1	UJ	1	UJ	1	U	1	U	1	U
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	1	U	1	U	1	U	1	U	1	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87768		M87768		M87768		M87768		M87768	
Location			DP-09		DP-09		DP-09		DP-09		DP-09	
Sample Date			12/1/2009		12/1/2009		12/1/2009		12/1/2009		12/1/2009	
Sample ID			130056GW00935X		130056GW00940X		130056GW00945X		130056GW00950X		130056GW00955X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	UJ								
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5	UJ								
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dioxane	ug/l	25	U								
SW8468260B	2-Butanone	ug/l	5	UJ								
SW8468260B	2-Hexanone	ug/l	5	UJ								
SW8468260B	4-Methyl-2-pentanone	ug/l	5	UJ								
SW8468260B	Acetic acid, methyl ester	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Acetone	ug/l	5	UJ								
SW8468260B	Benzene	ug/l	0.5	U								
SW8468260B	Bromochloromethane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromoform	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromomethane	ug/l	2	UJ								
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloroethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	Chloroform	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloromethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U								
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ								
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	Styrene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	42.9		40.5		6		3.5		1.8	
SW8468260B	Toluene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	U								
SW8468260B	Trichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	1	U	1	U	1	U	1	U	1	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87768		M87768		M87768		M87768		M87768	
Location			DP-09		DP-09		DP-09		DP-09		DP-09	
Sample Date			12/1/2009		12/1/2009		12/1/2009		12/1/2009		12/1/2009	
Sample ID			130056GW00960X		130056GW00965D		130056GW00965X		130056GW00970X		130056GW00975X	
Qc Code			FS		FD		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 UJ	J								
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 UJ	J								
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromoethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloropropane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dioxane	ug/l	25 U	U								
SW8468260B	2-Butanone	ug/l	5 UJ	J								
SW8468260B	2-Hexanone	ug/l	5 UJ	J								
SW8468260B	4-Methyl-2-pentanone	ug/l	5 UJ	J								
SW8468260B	Acetic acid, methyl ester	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Acetone	ug/l	5 UJ	J								
SW8468260B	Benzene	ug/l	0.5 U	U								
SW8468260B	Bromochloromethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Bromodichloromethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromoform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromomethane	ug/l	2 UJ	J								
SW8468260B	Carbon disulfide	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Carbon tetrachloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorodibromomethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloroethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Chloroform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloromethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U	U								
SW8468260B	Cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Dichlorodifluoromethane	ug/l	2 UJ	J								
SW8468260B	Ethyl benzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Isopropylbenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Methylene chloride	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Styrene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Tetrachloroethene	ug/l	2.7		4.3		4		5.7		4	
SW8468260B	Toluene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U	U								
SW8468260B	Trichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Trichlorofluoromethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Vinyl chloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Xylenes, Total	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87768		M87768		M87768		M87768		M87768	
Location			DP-10		DP-10		DP-10		DP-10		DP-10	
Sample Date			12/2/2009		12/2/2009		12/2/2009		12/2/2009		12/2/2009	
Sample ID			130056GW01010X		130056GW01015X		130056GW01020X		130056GW01025X		130056GW01030X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromoethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloropropane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dioxane	ug/l	25 U									
SW8468260B	2-Butanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	2-Hexanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Acetic acid, methyl ester	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Acetone	ug/l	5 UJ									
SW8468260B	Benzene	ug/l	0.5 U									
SW8468260B	Bromochloromethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Bromodichloromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromoform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromomethane	ug/l	2 UJ									
SW8468260B	Carbon disulfide	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Carbon tetrachloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorodibromomethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloroethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Chloroform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloromethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Dichlorodifluoromethane	ug/l	2 UJ									
SW8468260B	Ethyl benzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Isopropylbenzene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Methylene chloride	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Styrene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Tetrachloroethene	ug/l	1 U		1.6		667 J		446 J		17.7	
SW8468260B	Toluene	ug/l	1 U		1 U		1 U		1 U		1.7	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Trichloroethene	ug/l	1 U		1 U		25.7		16		1 U	
SW8468260B	Trichlorofluoromethane	ug/l	1 UJ									
SW8468260B	Vinyl chloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Xylenes, Total	ug/l	1 U		1 U		1 U		1 U		1 U	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87768		M87768		M87768		M87768		M87768	
Location	Sample Date	Sample ID	DP-10									
Sample Date	Sample ID	Qc Code	12/2/2009	12/2/2009	12/2/2009	12/2/2009	12/2/2009	12/2/2009	12/2/2009	12/2/2009	12/2/2009	12/2/2009
Sample ID	Sample ID	Qc Code	130056GW01035X	130056GW01040D	130056GW01040X	130056GW01040X	130056GW01045X	130056GW01050X	130056GW01050X	130056GW01050X	130056GW01050X	130056GW01050X
Units	Units	Units	FS	FD	FS							
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U	UJ	5 UJ	UJ	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromoethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloropropane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dioxane	ug/l	25 U	U								
SW8468260B	2-Butanone	ug/l	5 U	UJ	5 UJ	UJ	5 U	U	5 U	U	5 U	U
SW8468260B	2-Hexanone	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Acetic acid, methyl ester	ug/l	5 U	UJ	5 UJ	UJ	5 U	U	5 U	U	5 U	U
SW8468260B	Acetone	ug/l	5 UJ	UJ								
SW8468260B	Benzene	ug/l	0.5 U	U								
SW8468260B	Bromochloromethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Bromodichloromethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromoform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromomethane	ug/l	2 UJ	UJ								
SW8468260B	Carbon disulfide	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Carbon tetrachloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorodibromomethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloroethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Chloroform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloromethane	ug/l	2 U	UJ	2 UJ	UJ	2 U	U	2 U	U	2 U	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U	U	0.5 UJ	UJ	0.5 U	U	0.5 U	U	0.5 U	U
SW8468260B	Cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Dichlorodifluoromethane	ug/l	2 UJ	UJ	2 U	U	2 UJ	UJ	2 UJ	UJ	2 UJ	UJ
SW8468260B	Ethyl benzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Isopropylbenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Methylene chloride	ug/l	2 U	UJ	2 UJ	UJ	2 U	U	2 U	U	2 U	U
SW8468260B	Styrene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Tetrachloroethene	ug/l	11.9		6.7		5.7		4.2		1.9	
SW8468260B	Toluene	ug/l	1.5		1.5		1.6		1.7		1 U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U	U	0.5 UJ	UJ	0.5 U	U	0.5 U	U	0.5 U	U
SW8468260B	Trichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Trichlorofluoromethane	ug/l	1 UJ	UJ	1 U	U	1 UJ	UJ	1 UJ	UJ	1 UJ	UJ
SW8468260B	Vinyl chloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Xylenes, Total	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87768									
Location	Sample Date	Sample ID	DP-10									
Qc Code			12/2/2009		12/2/2009		12/2/2009		12/2/2009		12/2/2009	
			130056GW01055X		130056GW01060X		130056GW01065X		130056GW01070X		130056GW01075X	
			FS									
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U	U	5 U	U	5 U	UJ	5 UJ	U	5 UJ	U
SW8468260B	1,2-Dibromoethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloropropane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dioxane	ug/l	25 U	U								
SW8468260B	2-Butanone	ug/l	5 U	U	5 U	U	5 U	UJ	5 UJ	U	5 UJ	U
SW8468260B	2-Hexanone	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Acetic acid, methyl ester	ug/l	5 U	U	5 U	U	5 U	UJ	5 UJ	U	5 UJ	U
SW8468260B	Acetone	ug/l	5 UJ	U								
SW8468260B	Benzene	ug/l	0.5 U	U	0.5 U	U	0.5 U	U	0.5 U	UJ	0.5 U	U
SW8468260B	Bromochloromethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Bromodichloromethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromoform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromomethane	ug/l	2 UJ	U								
SW8468260B	Carbon disulfide	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Carbon tetrachloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorodibromomethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloroethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Chloroform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloromethane	ug/l	2 U	U	2 U	U	2 U	UJ	2 UJ	U	2 UJ	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U	U	0.5 U	U	0.5 U	U	0.5 UJ	U	0.5 UJ	U
SW8468260B	Cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Dichlorodifluoromethane	ug/l	2 UJ	U	2 UJ	U	2 UJ	U	2 U	U	2 U	U
SW8468260B	Ethyl benzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Isopropylbenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Methylene chloride	ug/l	2 U	U	2 U	U	2 U	U	2 UJ	U	2 UJ	U
SW8468260B	Styrene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Tetrachloroethene	ug/l	1.2	U	1.2	U	1 U	U	1 U	U	1.7	U
SW8468260B	Toluene	ug/l	1.3	U	1 U	U	1.3	U	1 U	U	1 U	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U	U	0.5 U	U	0.5 U	U	0.5 UJ	U	0.5 UJ	U
SW8468260B	Trichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Trichlorofluoromethane	ug/l	1 UJ	U	1 UJ	U	1 UJ	U	1 U	U	1 U	U
SW8468260B	Vinyl chloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Xylenes, Total	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87768		M87768		M87768		M87768		M87768	
Location			DP-10		DP-15		DP-15		DP-16		DP-16	
Sample Date			12/2/2009		12/1/2009		12/1/2009		12/2/2009		12/2/2009	
Sample ID			130056GW01080X		130056GW01570X		130056GW01575X		130056GW01610X		130056GW01615X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U	U	5 UJ	J	5 UJ	J	5 U	U	5 U	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U	U	5 UJ	J	5 UJ	J	5 U	U	5 U	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 UJ	J	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromoethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloropropane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dioxane	ug/l	25 U	U								
SW8468260B	2-Butanone	ug/l	5 UJ	J	5 UJ	J	5 UJ	J	5 U	U	5 U	U
SW8468260B	2-Hexanone	ug/l	5 U	U	5 UJ	J	5 UJ	J	5 U	U	5 U	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U	U	5 UJ	J	5 UJ	J	5 U	U	5 U	U
SW8468260B	Acetic acid, methyl ester	ug/l	5 UJ	J	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Acetone	ug/l	5 UJ	J								
SW8468260B	Benzene	ug/l	0.5 U	U								
SW8468260B	Bromochloromethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Bromodichloromethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromoform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromomethane	ug/l	2 UJ	J								
SW8468260B	Carbon disulfide	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Carbon tetrachloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorodibromomethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloroethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Chloroform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloromethane	ug/l	2 UJ	J	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 UJ	J	0.5 U	U						
SW8468260B	Cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Dichlorodifluoromethane	ug/l	2 U	U	2 UJ	J						
SW8468260B	Ethyl benzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Isopropylbenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Methylene chloride	ug/l	2 UJ	J	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Styrene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Tetrachloroethene	ug/l	1.1		1.2		1 U	U	1 U	U	1 U	U
SW8468260B	Toluene	ug/l	1 U	U	1 U	U	1 U	U	1.2		1.3	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 UJ	J	0.5 U	U						
SW8468260B	Trichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Trichlorofluoromethane	ug/l	1 U	U	1 U	U	1 U	U	1 UJ	J	1 UJ	J
SW8468260B	Vinyl chloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Xylenes, Total	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87768		M87768		M87768		M87768		M87768	
Location			DP-16		DP-16		DP-16		DP-16		DP-16	
Sample Date			12/2/2009		12/2/2009		12/2/2009		12/2/2009		12/2/2009	
Sample ID			130056GW01620X		130056GW01625X		130056GW01630X		130056GW01635X		130056GW01640X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	UJ
SW8468260B	1,2-Dibromoethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloropropane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dioxane	ug/l	25 U	U								
SW8468260B	2-Butanone	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	UJ
SW8468260B	2-Hexanone	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Acetic acid, methyl ester	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	UJ
SW8468260B	Acetone	ug/l	5 UJ	UJ								
SW8468260B	Benzene	ug/l	0.5 U	U								
SW8468260B	Bromochloromethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Bromodichloromethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromoform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromomethane	ug/l	2 UJ	UJ								
SW8468260B	Carbon disulfide	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Carbon tetrachloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorodibromomethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloroethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Chloroform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloromethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	UJ
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U	U	0.5 U	UJ						
SW8468260B	Cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Dichlorodifluoromethane	ug/l	2 UJ	UJ	2 U	U						
SW8468260B	Ethyl benzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Isopropylbenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Methylene chloride	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	UJ
SW8468260B	Styrene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Tetrachloroethene	ug/l	2.6	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Toluene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U	U	0.5 U	UJ						
SW8468260B	Trichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Trichlorofluoromethane	ug/l	1 UJ	UJ	1 U	U						
SW8468260B	Vinyl chloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Xylenes, Total	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87768									
Location	Sample Date	Sample ID	DP-16									
Qc Code			12/2/2009		12/2/2009		12/2/2009		12/2/2009		12/2/2009	
			130056GW01645X		130056GW01650X		130056GW01655X		130056GW01660X		130056GW01665X	
			FS									
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 UJ	U	5 U	U	5 U	U	5 UJ	U	5 UJ	U
SW8468260B	1,2-Dibromoethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloropropane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dioxane	ug/l	25 U	U								
SW8468260B	2-Butanone	ug/l	5 UJ	U	5 U	U	5 U	U	5 UJ	U	5 UJ	U
SW8468260B	2-Hexanone	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Acetic acid, methyl ester	ug/l	5 UJ	U	5 U	U	5 U	U	5 UJ	U	5 UJ	U
SW8468260B	Acetone	ug/l	5 UJ	U	5 U	U	5 U	U	5 UJ	U	5 UJ	U
SW8468260B	Benzene	ug/l	0.5 U	U								
SW8468260B	Bromochloromethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Bromodichloromethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromoform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromomethane	ug/l	2 UJ	U	2 U	U	2 U	U	2 UJ	U	2 UJ	U
SW8468260B	Carbon disulfide	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Carbon tetrachloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorodibromomethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloroethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Chloroform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloromethane	ug/l	2 UJ	U	2 U	U	2 U	U	2 UJ	U	2 UJ	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 UJ	U	0.5 U	U	0.5 U	U	0.5 UJ	U	0.5 UJ	U
SW8468260B	Cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Dichlorodifluoromethane	ug/l	2 U	U	2 UJ	U	2 UJ	U	2 U	U	2 U	U
SW8468260B	Ethyl benzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Isopropylbenzene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Methylene chloride	ug/l	2 UJ	U	2 U	U	2 U	U	2 UJ	U	2 UJ	U
SW8468260B	Styrene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Tetrachloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Toluene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 UJ	U	0.5 U	U	0.5 U	U	0.5 UJ	U	0.5 UJ	U
SW8468260B	Trichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Trichlorofluoromethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Vinyl chloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Xylenes, Total	ug/l	1 U	U	1 U	U	1 U	U	1 U	U	1 U	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87768		M87768		M87768	
Location			DP-16		DP-16		DP-16	
Sample Date			12/2/2009		12/2/2009		12/2/2009	
Sample ID			130056GW01670X		130056GW01675X		130056GW01680X	
Qc Code			FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 UJ	UJ	5 UJ	UJ	5 UJ	UJ
SW8468260B	1,2-Dibromoethane	ug/l	2 U	U	2 U	U	2 U	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloropropane	ug/l	2 U	U	2 U	U	2 U	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dioxane	ug/l	25 U	U	25 U	U	25 U	U
SW8468260B	2-Butanone	ug/l	5 UJ	UJ	5 UJ	UJ	5 UJ	UJ
SW8468260B	2-Hexanone	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	Acetic acid, methyl ester	ug/l	5 UJ	UJ	5 UJ	UJ	5 UJ	UJ
SW8468260B	Acetone	ug/l	5 UJ	UJ	5 UJ	UJ	5 UJ	UJ
SW8468260B	Benzene	ug/l	0.5 U	U	0.5 U	U	0.5 U	U
SW8468260B	Bromochloromethane	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	Bromodichloromethane	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Bromoform	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Bromomethane	ug/l	2 UJ	UJ	2 UJ	UJ	2 UJ	UJ
SW8468260B	Carbon disulfide	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	Carbon tetrachloride	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorobenzene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorodibromomethane	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Chloroethane	ug/l	2 U	U	2 U	U	2 U	U
SW8468260B	Chloroform	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Chloromethane	ug/l	2 UJ	UJ	2 UJ	UJ	2 UJ	UJ
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 UJ	UJ	0.5 UJ	UJ	0.5 UJ	UJ
SW8468260B	Cyclohexane	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	Dichlorodifluoromethane	ug/l	2 U	U	2 U	U	2 U	U
SW8468260B	Ethyl benzene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Isopropylbenzene	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl cyclohexane	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Methylene chloride	ug/l	2 UJ	UJ	2 UJ	UJ	2 UJ	UJ
SW8468260B	Styrene	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	Tetrachloroethene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Toluene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 UJ	UJ	0.5 UJ	UJ	0.5 UJ	UJ
SW8468260B	Trichloroethene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Trichlorofluoromethane	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Vinyl chloride	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Xylenes, Total	ug/l	1 U	U	1 U	U	1 U	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87839		M87839		M87839		M87839		M87839	
Location			DP-12		DP-12		DP-12		DP-12		DP-12	
Sample Date			12/3/2009		12/3/2009		12/3/2009		12/3/2009		12/3/2009	
Sample ID			130056GW01210X		130056GW01215X		130056GW01220D		130056GW01220X		130056GW01225X	
Qc Code			FS		FS		FD		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U		5 U		5 UJ		5 U		5 U	
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U		5 U		5 UJ		5 U		5 U	
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 UJ		5 UJ		5 U		5 UJ		5 UJ	
SW8468260B	1,2-Dibromoethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloropropane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dioxane	ug/l	25 U									
SW8468260B	2-Butanone	ug/l	5 UJ									
SW8468260B	2-Hexanone	ug/l	5 U		5 U		5 UJ		5 U		5 U	
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Acetic acid, methyl ester	ug/l	5 UJ		5 UJ		5 U		5 UJ		5 UJ	
SW8468260B	Acetone	ug/l	5 UJ									
SW8468260B	Benzene	ug/l	0.5 U									
SW8468260B	Bromochloromethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Bromodichloromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromoform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromomethane	ug/l	2 UJ		2 UJ		2 U		2 UJ		2 UJ	
SW8468260B	Carbon disulfide	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Carbon tetrachloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorodibromomethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloroethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Chloroform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloromethane	ug/l	2 UJ		2 UJ		2 U		2 UJ		2 UJ	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U		1.5		1 U		1 U		1 U	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 UJ		0.5 UJ		0.5 U		0.5 UJ		0.5 UJ	
SW8468260B	Cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Dichlorodifluoromethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Ethyl benzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Isopropylbenzene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Methylene chloride	ug/l	2 UJ		2 UJ		2 U		2 UJ		2 UJ	
SW8468260B	Styrene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Tetrachloroethene	ug/l	1 U		1.8		31.5		36.9		30.9	
SW8468260B	Toluene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 UJ		0.5 UJ		0.5 U		0.5 UJ		0.5 UJ	
SW8468260B	Trichloroethene	ug/l	1 U		1 U		3.9		3.8		2.3	
SW8468260B	Trichlorofluoromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Vinyl chloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Xylenes, Total	ug/l	1 U		1 U		1 U		1 U		1 U	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87839		M87839		M87839		M87839		M87839	
Location			DP-12		DP-12		DP-12		DP-12		DP-12	
Sample Date			12/3/2009		12/3/2009		12/3/2009		12/3/2009		12/4/2009	
Sample ID			130056GW01230X		130056GW01235X		130056GW01240X		130056GW01245X		130056GW01250X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	UJ
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	UJ
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	UJ	5	UJ	5	U	5	U	5	U
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dioxane	ug/l	25	U								
SW8468260B	2-Butanone	ug/l	5	UJ								
SW8468260B	2-Hexanone	ug/l	5	U	5	U	5	UJ	5	UJ	5	UJ
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Acetic acid, methyl ester	ug/l	5	UJ	5	UJ	5	UJ	5	UJ	5	U
SW8468260B	Acetone	ug/l	5	UJ								
SW8468260B	Benzene	ug/l	0.5	U								
SW8468260B	Bromochloromethane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromoform	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromomethane	ug/l	2	UJ	2	UJ	2	U	2	U	2	U
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloroethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	Chloroform	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloromethane	ug/l	2	UJ	2	UJ	2	U	2	U	2	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	UJ	0.5	UJ	0.5	U	0.5	U	0.5	U
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	5	U	5	U	5	UJ	5	UJ	5	U
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	UJ	2	UJ	2	U	2	U	2	U
SW8468260B	Styrene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	6.3		2.3		1	U	1	U	1	U
SW8468260B	Toluene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	UJ	0.5	UJ	0.5	U	0.5	U	0.5	U
SW8468260B	Trichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	1	U	1	U	1	U	1	U	1	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87839		M87839		M87839		M87839		M87839	
Location			DP-12		DP-12		DP-12		DP-12		DP-12	
Sample Date			12/4/2009		12/4/2009		12/4/2009		12/4/2009		12/4/2009	
Sample ID			130056GW01255X		130056GW01260X		130056GW01265X		130056GW01270X		130056GW01275X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 UJ		5 UJ		5 UJ		5 U		5 UJ	
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 UJ		5 UJ		5 UJ		5 U		5 UJ	
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromoethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloropropane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dioxane	ug/l	25 U									
SW8468260B	2-Butanone	ug/l	5 UJ									
SW8468260B	2-Hexanone	ug/l	5 UJ		5 UJ		5 UJ		5 U		5 UJ	
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Acetic acid, methyl ester	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Acetone	ug/l	5 UJ									
SW8468260B	Benzene	ug/l	0.5 U									
SW8468260B	Bromochloromethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Bromodichloromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromoform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromomethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Carbon disulfide	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Carbon tetrachloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorodibromomethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloroethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Chloroform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloromethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Dichlorodifluoromethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Ethyl benzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Isopropylbenzene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Methylene chloride	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Styrene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Tetrachloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Toluene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Trichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Trichlorofluoromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Vinyl chloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Xylenes, Total	ug/l	1 U		1 U		1 U		1 U		1 U	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87839		M87839		M87839		M87839		M87839	
Location			DP-13		DP-13		DP-13		DP-13		DP-13	
Sample Date			12/3/2009		12/3/2009		12/3/2009		12/3/2009		12/3/2009	
Sample ID			130056GW01310X		130056GW01315X		130056GW01320X		130056GW01325X		130056GW01330X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromoethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloropropane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dioxane	ug/l	25 U									
SW8468260B	2-Butanone	ug/l	5 UJ									
SW8468260B	2-Hexanone	ug/l	5 UJ									
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Acetic acid, methyl ester	ug/l	5 UJ									
SW8468260B	Acetone	ug/l	5 UJ									
SW8468260B	Benzene	ug/l	0.5 U									
SW8468260B	Bromochloromethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Bromodichloromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromoform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromomethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Carbon disulfide	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Carbon tetrachloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorodibromomethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloroethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Chloroform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloromethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Dichlorodifluoromethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Ethyl benzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Isopropylbenzene	ug/l	5 UJ									
SW8468260B	Methyl cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Methylene chloride	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Styrene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Tetrachloroethene	ug/l	1 U		2.2		1 U		1 U		1 U	
SW8468260B	Toluene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Trichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Trichlorofluoromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Vinyl chloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Xylenes, Total	ug/l	1 U		1 U		1 U		1 U		1 U	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87839		M87839		M87839		M87839		M87839	
Location			DP-13		DP-13		DP-13		DP-13		DP-13	
Sample Date			12/3/2009		12/3/2009		12/3/2009		12/3/2009		12/3/2009	
Sample ID			130056GW01335X		130056GW01340D		130056GW01340X		130056GW01345X		130056GW01350X	
Qc Code			FS		FD		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromoethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloropropane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dioxane	ug/l	25 U									
SW8468260B	2-Butanone	ug/l	5 UJ									
SW8468260B	2-Hexanone	ug/l	5 UJ									
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Acetic acid, methyl ester	ug/l	5 UJ									
SW8468260B	Acetone	ug/l	5 UJ									
SW8468260B	Benzene	ug/l	0.5 U									
SW8468260B	Bromochloromethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Bromodichloromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromoform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromomethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Carbon disulfide	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Carbon tetrachloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorodibromomethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloroethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Chloroform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloromethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Dichlorodifluoromethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Ethyl benzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Isopropylbenzene	ug/l	5 UJ									
SW8468260B	Methyl cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Methylene chloride	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Styrene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Tetrachloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Toluene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Trichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Trichlorofluoromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Vinyl chloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Xylenes, Total	ug/l	1 U		1 U		1 U		1 U		1 U	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87839		M87839		M87839		M87839		M87839	
Location			DP-13		DP-13		DP-13		DP-13		DP-13	
Sample Date			12/3/2009		12/3/2009		12/3/2009		12/3/2009		12/3/2009	
Sample ID			130056GW01355X		130056GW01360X		130056GW01365X		130056GW01370X		130056GW01375X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromoethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloropropane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dioxane	ug/l	25 U									
SW8468260B	2-Butanone	ug/l	5 UJ									
SW8468260B	2-Hexanone	ug/l	5 UJ									
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Acetic acid, methyl ester	ug/l	5 UJ									
SW8468260B	Acetone	ug/l	5 UJ									
SW8468260B	Benzene	ug/l	0.5 U									
SW8468260B	Bromochloromethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Bromodichloromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromoform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromomethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Carbon disulfide	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Carbon tetrachloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorodibromomethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloroethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Chloroform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloromethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Dichlorodifluoromethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Ethyl benzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Isopropylbenzene	ug/l	5 UJ									
SW8468260B	Methyl cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Methylene chloride	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Styrene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Tetrachloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Toluene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Trichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Trichlorofluoromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Vinyl chloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Xylenes, Total	ug/l	1 U		1 U		1 U		1 U		1 U	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87839	M87839	M87839	M87839	M87839	
Location			DP-14	DP-14	DP-14	DP-14	DP-14	
Sample Date			12/3/2009	12/3/2009	12/3/2009	12/3/2009	12/3/2009	
Sample ID			130056GW01410X	130056GW01415X	130056GW01420X	130056GW01425X	130056GW01430X	
Qc Code			FS	FS	FS	FS	FS	
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	1,2-Dibromoethane	ug/l	2 U	U	2 U	U	2 U	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloropropane	ug/l	2 U	U	2 U	U	2 U	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	1,4-Dioxane	ug/l	25 U	U	25 U	U	25 U	U
SW8468260B	2-Butanone	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	2-Hexanone	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	Acetic acid, methyl ester	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	Acetone	ug/l	5 UJ	UJ	5 UJ	UJ	5 UJ	UJ
SW8468260B	Benzene	ug/l	0.5 U	U	0.5 U	U	0.5 U	U
SW8468260B	Bromochloromethane	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	Bromodichloromethane	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Bromoform	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Bromomethane	ug/l	2 U	U	2 U	U	2 U	U
SW8468260B	Carbon disulfide	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	Carbon tetrachloride	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorobenzene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorodibromomethane	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Chloroethane	ug/l	2 U	U	2 U	U	2 U	U
SW8468260B	Chloroform	ug/l	2.5	U	1 U	U	1 U	U
SW8468260B	Chloromethane	ug/l	2 U	U	2 U	U	2 U	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U	U	0.5 U	U	0.5 U	U
SW8468260B	Cyclohexane	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	Dichlorodifluoromethane	ug/l	2 UJ	UJ	2 UJ	UJ	2 UJ	UJ
SW8468260B	Ethyl benzene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Isopropylbenzene	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl cyclohexane	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Methylene chloride	ug/l	2 U	U	2 U	U	2 U	U
SW8468260B	Styrene	ug/l	5 U	U	5 U	U	5 U	U
SW8468260B	Tetrachloroethene	ug/l	1 U	U	8.9	U	22.5	U
SW8468260B	Toluene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U	U	0.5 U	U	0.5 U	U
SW8468260B	Trichloroethene	ug/l	1 U	U	1.4	U	1.6	U
SW8468260B	Trichlorofluoromethane	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Vinyl chloride	ug/l	1 U	U	1 U	U	1 U	U
SW8468260B	Xylenes, Total	ug/l	1 U	U	1 U	U	1 U	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87839		M87839		M87839		M87839		M87839	
Location			DP-14		DP-14		DP-14		DP-14		DP-14	
Sample Date			12/3/2009		12/3/2009		12/3/2009		12/3/2009		12/3/2009	
Sample ID			130056GW01435X		130056GW01440X		130056GW01445X		130056GW01450X		130056GW01455X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromoethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloropropane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dioxane	ug/l	25 U									
SW8468260B	2-Butanone	ug/l	5 U		5 U		5 UJ		5 U		5 U	
SW8468260B	2-Hexanone	ug/l	5 U		5 U		5 UJ		5 U		5 U	
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Acetic acid, methyl ester	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Acetone	ug/l	5 UJ									
SW8468260B	Benzene	ug/l	0.5 U									
SW8468260B	Bromochloromethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Bromodichloromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromoform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromomethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Carbon disulfide	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Carbon tetrachloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorodibromomethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloroethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Chloroform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloromethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Dichlorodifluoromethane	ug/l	2 UJ									
SW8468260B	Ethyl benzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Isopropylbenzene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Methylene chloride	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Styrene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Tetrachloroethene	ug/l	5.3		1.7		1 J		1 U		1 U	
SW8468260B	Toluene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Trichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Trichlorofluoromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Vinyl chloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Xylenes, Total	ug/l	1 U		1 U		1 U		1 U		1 U	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87839		M87839		M87839		M87839		M87839	
Location			DP-14		DP-14		DP-14		DP-14		DP-14	
Sample Date			12/3/2009		12/3/2009		12/3/2009		12/3/2009		12/3/2009	
Sample ID			130056GW01460X		130056GW01465D		130056GW01465X		130056GW01470X		130056GW01475X	
Qc Code			FS		FD		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		5 U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U		1 U		1 U		1 U		5 U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U		5 U		5 U		5 U		25 U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		5 U	
SW8468260B	1,1-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		5 U	
SW8468260B	1,1-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		5 U	
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 UJ		25 UJ	
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 UJ		25 UJ	
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U		5 U		5 U		5 U		25 U	
SW8468260B	1,2-Dibromoethane	ug/l	2 U		2 U		2 U		2 U		10 U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		5 U	
SW8468260B	1,2-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		5 U	
SW8468260B	1,2-Dichloropropane	ug/l	2 U		2 U		2 U		2 U		10 U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		5 U	
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		5 U	
SW8468260B	1,4-Dioxane	ug/l	25 U		25 U		25 U		25 U		130 U	
SW8468260B	2-Butanone	ug/l	5 U		5 U		5 U		5 UJ		25 UJ	
SW8468260B	2-Hexanone	ug/l	5 U		5 U		5 U		5 UJ		25 UJ	
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U		5 U		5 U		5 U		25 U	
SW8468260B	Acetic acid, methyl ester	ug/l	5 U		5 U		5 U		5 U		25 U	
SW8468260B	Acetone	ug/l	5 UJ		5 UJ		5 UJ		5 UJ		25 UJ	
SW8468260B	Benzene	ug/l	0.5 U		0.5 U		0.5 U		0.5 U		2.5 U	
SW8468260B	Bromochloromethane	ug/l	5 U		5 U		5 U		5 U		25 U	
SW8468260B	Bromodichloromethane	ug/l	1 U		1 U		1 U		1 U		5 U	
SW8468260B	Bromoform	ug/l	1 U		1 U		1 U		1 U		5 U	
SW8468260B	Bromomethane	ug/l	2 U		2 U		2 U		2 U		10 U	
SW8468260B	Carbon disulfide	ug/l	5 U		5 U		5 U		5 U		25 U	
SW8468260B	Carbon tetrachloride	ug/l	1 U		1 U		1 U		1 U		5 U	
SW8468260B	Chlorobenzene	ug/l	1 U		1 U		1 U		1 U		5 U	
SW8468260B	Chlorodibromomethane	ug/l	1 U		1 U		1 U		1 U		5 U	
SW8468260B	Chloroethane	ug/l	2 U		2 U		2 U		2 U		10 U	
SW8468260B	Chloroform	ug/l	1 U		1 U		1 U		1 U		5 U	
SW8468260B	Chloromethane	ug/l	2 U		2 U		2 U		2 U		10 U	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		5 U	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U		0.5 U		0.5 U		0.5 U		2.5 U	
SW8468260B	Cyclohexane	ug/l	5 U		5 U		5 U		5 U		25 U	
SW8468260B	Dichlorodifluoromethane	ug/l	2 UJ		2 UJ		2 UJ		2 U		10 U	
SW8468260B	Ethyl benzene	ug/l	1 U		1 U		1 U		1 U		5 U	
SW8468260B	Isopropylbenzene	ug/l	5 U		5 U		5 U		5 U		25 U	
SW8468260B	Methyl cyclohexane	ug/l	5 U		5 U		5 U		5 U		25 U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U		1 U		1 U		1 U		5 U	
SW8468260B	Methylene chloride	ug/l	2 U		2 U		2 U		2 U		10 U	
SW8468260B	Styrene	ug/l	5 U		5 U		5 U		5 U		25 U	
SW8468260B	Tetrachloroethene	ug/l	1 U		1 U		1 U		1 U		5 U	
SW8468260B	Toluene	ug/l	1 U		1 U		1 U		1 U		5 U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		5 U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U		0.5 U		0.5 U		0.5 U		2.5 U	
SW8468260B	Trichloroethene	ug/l	1 U		1 U		1 U		1 U		5 U	
SW8468260B	Trichlorofluoromethane	ug/l	1 U		1 U		1 U		1 U		5 U	
SW8468260B	Vinyl chloride	ug/l	1 U		1 U		1 U		1 U		5 U	
SW8468260B	Xylenes, Total	ug/l	1 U		1 U		1 U		1 U		5 U	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87839		M87839		M87839		M87839		M87839	
Location			DP-14		DP-14		DP-17		DP-17		DP-17	
Sample Date			12/3/2009		12/3/2009		12/4/2009		12/4/2009		12/4/2009	
Sample ID			130056GW01480X		130056GW01485X		130056GW01710X		130056GW01715X		130056GW01720D	
Qc Code			FS		FS		FS		FS		FD	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	10	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	10	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	50	U	5	U	5	U	5	U	5	U
SW8468260B	1,1,2-Trichloroethane	ug/l	10	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	10	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	10	U	1	U	1	U	1	U	1	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	50	UJ	5	UJ	5	UJ	5	U	5	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	50	UJ	5	UJ	5	UJ	5	U	5	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	50	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromoethane	ug/l	20	U	2	U	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	10	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	10	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloropropane	ug/l	20	U	2	U	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	10	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	10	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dioxane	ug/l	250	U	25	U	25	U	25	U	25	U
SW8468260B	2-Butanone	ug/l	50	UJ	5	UJ	5	UJ	5	UJ	5	UJ
SW8468260B	2-Hexanone	ug/l	50	UJ	5	UJ	5	UJ	5	U	5	U
SW8468260B	4-Methyl-2-pentanone	ug/l	50	U	5	U	5	U	5	U	5	U
SW8468260B	Acetic acid, methyl ester	ug/l	50	U	5	U	5	U	5	U	5	U
SW8468260B	Acetone	ug/l	50	UJ	5	UJ	5	UJ	5	UJ	5	UJ
SW8468260B	Benzene	ug/l	5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW8468260B	Bromochloromethane	ug/l	50	U	5	U	5	U	5	U	5	U
SW8468260B	Bromodichloromethane	ug/l	10	U	1	U	1	U	1	U	1	U
SW8468260B	Bromoform	ug/l	10	U	1	U	1	U	1	U	1	U
SW8468260B	Bromomethane	ug/l	20	U	2	U	2	U	2	U	2	U
SW8468260B	Carbon disulfide	ug/l	50	U	5	U	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	10	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorobenzene	ug/l	10	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	10	U	1	U	1	U	1	U	1	U
SW8468260B	Chloroethane	ug/l	20	U	2	U	2	U	2	U	2	U
SW8468260B	Chloroform	ug/l	10	U	1	U	1	U	1	U	1	U
SW8468260B	Chloromethane	ug/l	20	U	2	U	2	U	2	U	2	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	10	U	1	U	1	U	1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW8468260B	Cyclohexane	ug/l	50	U	5	U	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	20	U	2	U	2	U	2	U	2	U
SW8468260B	Ethyl benzene	ug/l	10	U	1	U	1	U	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	50	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl cyclohexane	ug/l	50	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	10	U	1	U	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	20	U	2	U	2	U	2	U	2	U
SW8468260B	Styrene	ug/l	50	U	5	U	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	10	U	1	U	2.6		26.6		16.9	
SW8468260B	Toluene	ug/l	10	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	10	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW8468260B	Trichloroethene	ug/l	10	U	1	U	1	U	1	U	1	U
SW8468260B	Trichlorofluoromethane	ug/l	10	U	1	U	1	U	1	U	1	U
SW8468260B	Vinyl chloride	ug/l	10	U	1	U	1	U	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	10	U	1	U	1	U	1	U	1	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87839	M87839	M87839	M87839	M87839			
Location			DP-17	DP-17	DP-17	DP-17	DP-17			
Sample Date			12/4/2009	12/4/2009	12/4/2009	12/4/2009	12/4/2009			
Sample ID			130056GW01720X	130056GW01725X	130056GW01730X	130056GW01735X	130056GW01740X			
Qc Code			FS	FS	FS	FS	FS			
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U	U	1 U	U	1 UJ	U	1 U	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,1-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 UJ	UJ	5 UJ	UJ	5 UJ	UJ	5 U	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 UJ	UJ	5 UJ	UJ	5 UJ	UJ	5 U	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U	U	5 U	U	5 UJ	U	5 U	U
SW8468260B	1,2-Dibromoethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U	U	1 U	UJ	1 U	U	1 U	U
SW8468260B	1,2-Dichloroethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	1,2-Dichloropropane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U	U	1 U	UJ	1 U	U	1 U	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U	U	1 U	UJ	1 U	U	1 U	U
SW8468260B	1,4-Dioxane	ug/l	25 U	U	25 U	U	25 U	U	25 U	U
SW8468260B	2-Butanone	ug/l	5 UJ	UJ	5 UJ	UJ	5 UJ	UJ	5 UJ	UJ
SW8468260B	2-Hexanone	ug/l	5 UJ	UJ	5 UJ	UJ	5 UJ	UJ	5 UJ	UJ
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Acetic acid, methyl ester	ug/l	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Acetone	ug/l	5 UJ	UJ	5 UJ	UJ	5 UJ	UJ	5 UJ	UJ
SW8468260B	Benzene	ug/l	0.5 U	U	0.5 U	U	0.5 U	U	0.5 U	U
SW8468260B	Bromochloromethane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Bromodichloromethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromoform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Bromomethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Carbon disulfide	ug/l	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Carbon tetrachloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorobenzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chlorodibromomethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloroethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Chloroform	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Chloromethane	ug/l	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U	U	0.5 U	U	0.5 U	U	0.5 U	U
SW8468260B	Cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Dichlorodifluoromethane	ug/l	2 U	U	2 U	U	2 UJ	U	2 UJ	U
SW8468260B	Ethyl benzene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Isopropylbenzene	ug/l	5 U	U	5 U	UJ	5 U	U	5 U	U
SW8468260B	Methyl cyclohexane	ug/l	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Methylene chloride	ug/l	2 U	U	2 U	U	2 U	U	2 U	U
SW8468260B	Styrene	ug/l	5 U	U	5 U	U	5 U	U	5 U	U
SW8468260B	Tetrachloroethene	ug/l	15.2		21.5		3	1.8 J		1 UJ
SW8468260B	Toluene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U	U	0.5 U	U	0.5 U	U	0.5 U	U
SW8468260B	Trichloroethene	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Trichlorofluoromethane	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Vinyl chloride	ug/l	1 U	U	1 U	U	1 U	U	1 U	U
SW8468260B	Xylenes, Total	ug/l	1 U	U	1 U	U	1 U	U	1 U	U

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87839		M87839		M87839		M87839		M87839	
Location			DP-17		DP-17		DP-17		DP-17		DP-17	
Sample Date			12/4/2009		12/4/2009		12/4/2009		12/4/2009		12/4/2009	
Sample ID			130056GW01745X		130056GW01750X		130056GW01755X		130056GW01760X		130056GW01765X	
Qc Code			FS		FS		FS		FS		FS	
Analysis	Parameter	Units	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromoethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloropropane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dioxane	ug/l	25 U									
SW8468260B	2-Butanone	ug/l	5 UJ									
SW8468260B	2-Hexanone	ug/l	5 UJ									
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Acetic acid, methyl ester	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Acetone	ug/l	5 UJ									
SW8468260B	Benzene	ug/l	0.5 U									
SW8468260B	Bromochloromethane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Bromodichloromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromoform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromomethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Carbon disulfide	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Carbon tetrachloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorodibromomethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloroethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Chloroform	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloromethane	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Dichlorodifluoromethane	ug/l	2 UJ									
SW8468260B	Ethyl benzene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Isopropylbenzene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Methylene chloride	ug/l	2 U		2 U		2 U		2 U		2 U	
SW8468260B	Styrene	ug/l	5 U		5 U		5 U		5 U		5 U	
SW8468260B	Tetrachloroethene	ug/l	1 UJ									
SW8468260B	Toluene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U									
SW8468260B	Trichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Trichlorofluoromethane	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Vinyl chloride	ug/l	1 U		1 U		1 U		1 U		1 U	
SW8468260B	Xylenes, Total	ug/l	1 U		1 U		1 U		1 U		1 U	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87839		M87839	
Location			DP-17		DP-17	
Sample Date			12/4/2009		12/4/2009	
Sample ID			130056GW01770X		130056GW01775X	
Qc Code			FS		FS	
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U		1 U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U		1 U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U		5 U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U		1 U	
SW8468260B	1,1-Dichloroethane	ug/l	1 U		1 U	
SW8468260B	1,1-Dichloroethene	ug/l	1 U		1 U	
SW8468260B	1,2,3-Trichlorobenzene	ug/l	5 U		5 U	
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U		5 U	
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U		5 U	
SW8468260B	1,2-Dibromoethane	ug/l	2 U		2 U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U		1 U	
SW8468260B	1,2-Dichloroethane	ug/l	1 U		1 U	
SW8468260B	1,2-Dichloropropane	ug/l	2 U		2 U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U		1 U	
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U		1 U	
SW8468260B	1,4-Dioxane	ug/l	25 U		25 U	
SW8468260B	2-Butanone	ug/l	5 UJ		5 UJ	
SW8468260B	2-Hexanone	ug/l	5 UJ		5 U	
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U		5 U	
SW8468260B	Acetic acid, methyl ester	ug/l	5 U		5 U	
SW8468260B	Acetone	ug/l	5 UJ		5 UJ	
SW8468260B	Benzene	ug/l	0.5 U		0.5 U	
SW8468260B	Bromochloromethane	ug/l	5 U		5 U	
SW8468260B	Bromodichloromethane	ug/l	1 U		1 U	
SW8468260B	Bromoform	ug/l	1 U		1 U	
SW8468260B	Bromomethane	ug/l	2 U		2 U	
SW8468260B	Carbon disulfide	ug/l	5 U		5 U	
SW8468260B	Carbon tetrachloride	ug/l	1 U		1 U	
SW8468260B	Chlorobenzene	ug/l	1 U		1 U	
SW8468260B	Chlorodibromomethane	ug/l	1 U		1 U	
SW8468260B	Chloroethane	ug/l	2 U		2 U	
SW8468260B	Chloroform	ug/l	1 U		1 U	
SW8468260B	Chloromethane	ug/l	2 U		2 U	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U		1 U	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U		0.5 U	
SW8468260B	Cyclohexane	ug/l	5 U		5 U	
SW8468260B	Dichlorodifluoromethane	ug/l	2 UJ		2 U	
SW8468260B	Ethyl benzene	ug/l	1 U		1 U	
SW8468260B	Isopropylbenzene	ug/l	5 U		5 U	
SW8468260B	Methyl cyclohexane	ug/l	5 U		5 U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U		1 U	
SW8468260B	Methylene chloride	ug/l	2 U		2 U	
SW8468260B	Styrene	ug/l	5 U		5 U	
SW8468260B	Tetrachloroethene	ug/l	1 UJ		1 U	
SW8468260B	Toluene	ug/l	1 U		1 U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U		1 U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U		0.5 U	
SW8468260B	Trichloroethene	ug/l	1 U		1 U	
SW8468260B	Trichlorofluoromethane	ug/l	1 U		1 U	
SW8468260B	Vinyl chloride	ug/l	1 U		1 U	
SW8468260B	Xylenes, Total	ug/l	1 U		1 U	

Notes:
 QC Code: FS =field sample; FD=field duplicate.
 Qualifiers: U=non detect; J=estimated
 Units: ug/l = micrograms per liter

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY
 STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87036		M87036	
Location			DP-2		DP-2	
Sample Date			11/3/2009		11/3/2009	
Sample ID			130056GW00250X		130056GW00270X	
Qc Code			FS		FS	
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier
SW8468270C	2,4,5-Trichlorophenol	ug/l	11	U	11	U
SW8468270C	2,4,6-Trichlorophenol	ug/l	11	U	11	U
SW8468270C	2,4-Dichlorophenol	ug/l	11	U	11	U
SW8468270C	2,4-Dimethylphenol	ug/l	11	U	11	U
SW8468270C	2,4-Dinitrophenol	ug/l	22	U	22	U
SW8468270C	2,4-Dinitrotoluene	ug/l	11	U	11	U
SW8468270C	2,6-Dinitrotoluene	ug/l	11	U	11	U
SW8468270C	2-Chloronaphthalene	ug/l	5.6	U	5.5	U
SW8468270C	2-Chlorophenol	ug/l	5.6	U	5.5	U
SW8468270C	2-Methylnaphthalene	ug/l	72.9		43	
SW8468270C	2-Methylphenol	ug/l	11	U	11	U
SW8468270C	2-Nitroaniline	ug/l	11	U	11	U
SW8468270C	2-Nitrophenol	ug/l	11	U	11	U
SW8468270C	3 and 4 Methylphenol	ug/l	11	U	11	U
SW8468270C	3,3'-Dichlorobenzidine	ug/l	5.6	U	5.5	U
SW8468270C	3-Nitroaniline	ug/l	11	U	11	U
SW8468270C	4,6-Dinitro-2-methylphenol	ug/l	11	U	11	U
SW8468270C	4-Bromophenyl phenyl ether	ug/l	5.6	U	5.5	U
SW8468270C	4-Chloro-3-methylphenol	ug/l	11	U	11	U
SW8468270C	4-Chloroaniline	ug/l	11	U	11	U
SW8468270C	4-Chlorophenyl phenyl ether	ug/l	5.6	U	5.5	U
SW8468270C	4-Nitroaniline	ug/l	11	U	11	U
SW8468270C	4-Nitrophenol	ug/l	22	U	22	U
SW8468270C	Acenaphthene	ug/l	61.6		58.3	
SW8468270C	Acenaphthylene	ug/l	21.4		18.9	
SW8468270C	Acetophenone	ug/l	11	U	11	U
SW8468270C	Anthracene	ug/l	11.2		19.4	
SW8468270C	Atrazine	ug/l	11	U	11	U
SW8468270C	Benzaldehyde	ug/l	22	U	22	U
SW8468270C	Benzo(a)anthracene	ug/l	5.6	U	7.8	
SW8468270C	Benzo(a)pyrene	ug/l	5.6	U	5.5	U
SW8468270C	Benzo(b)fluoranthene	ug/l	5.6	U	5.5	U
SW8468270C	Benzo(ghi)perylene	ug/l	5.6	U	5.5	U
SW8468270C	Benzo(k)fluoranthene	ug/l	5.6	U	5.5	U
SW8468270C	Biphenyl	ug/l	20.1		14.4	
SW8468270C	Bis(2-Chloroethoxy)methane	ug/l	5.6	U	5.5	U
SW8468270C	Bis(2-Chloroethyl)ether	ug/l	5.6	U	5.5	U
SW8468270C	Bis(2-Chloroisopropyl)ether	ug/l	5.6	U	5.5	U
SW8468270C	Bis(2-Ethylhexyl)phthalate	ug/l	2.9	U	11.3	
SW8468270C	Butylbenzylphthalate	ug/l	5.6	U	5.5	U
SW8468270C	Caprolactum	ug/l	11	UJ	11	UJ
SW8468270C	Carbazole	ug/l	10.9		17.7	
SW8468270C	Chrysene	ug/l	5.6	U	6.6	
SW8468270C	Di-n-butylphthalate	ug/l	5.6	U	5.5	U
SW8468270C	Di-n-octylphthalate	ug/l	5.6	U	5.5	U
SW8468270C	Dibenz(a,h)anthracene	ug/l	5.6	U	5.5	U
SW8468270C	Dibenzofuran	ug/l	9.1		10.1	
SW8468270C	Diethylphthalate	ug/l	5.6	U	5.5	U
SW8468270C	Dimethylphthalate	ug/l	5.6	U	5.5	U
SW8468270C	Fluoranthene	ug/l	7.5		19.7	

TABLE 2 - SUMMARY OF RESULTS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY
 STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

Sample Delivery Group			M87036	M87036		
Location			DP-2	DP-2		
Sample Date			11/3/2009	11/3/2009		
Sample ID			130056GW00250X	130056GW00270X		
Qc Code			FS	FS		
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier
SW8468270C	Fluorene	ug/l	30.6		38.8	
SW8468270C	Hexachlorobenzene	ug/l	5.6 U		5.5 U	
SW8468270C	Hexachlorobutadiene	ug/l	5.6 U		5.5 U	
SW8468270C	Hexachlorocyclopentadiene	ug/l	11 U		11 U	
SW8468270C	Hexachloroethane	ug/l	5.6 U		5.5 U	
SW8468270C	Indeno(1,2,3-cd)pyrene	ug/l	5.6 U		5.5 U	
SW8468270C	Isophorone	ug/l	5.6 U		5.5 U	
SW8468270C	N-Nitrosodi-n-propylamine	ug/l	5.6 U		5.5 U	
SW8468270C	N-Nitrosodiphenylamine	ug/l	5.6 U		5.5 U	
SW8468270C	Naphthalene	ug/l	52.1		34.4	
SW8468270C	Nitrobenzene	ug/l	5.6 U		5.5 U	
SW8468270C	Pentachlorophenol	ug/l	11 U		11 U	
SW8468270C	Phenanthrene	ug/l	48.9		80.2	
SW8468270C	Phenol	ug/l	5.6 U		5.5 U	
SW8468270C	Pyrene	ug/l	9.1		26.8	

Notes:

QC Code: FS =field sample; FD=field duplicate.

Qualifiers: U=non detect; J=estimated

Units: ug/l = micrograms per liter

TABLE 3 - VOC TICs
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

SDG	Sample ID	Lab Sample ID	CAS No	Compound	Final Result (µg/L)	Qualifier	Sample Date	Analysis Date
M87036	130056GW00290X	M87036-1	115-11-7	1-Propene, 2-methyl-	670	JN	11/3/2009	11/6/2009
M87036	130056GW00295X	M87036-10	115-11-7	1-Propene, 2-methyl-	390	JN	11/3/2009	11/9/2009
M87036	130056GW00255X	M87036-10	90-12-0	Naphthalene, 1-methyl-	5.4	JN	11/3/2009	11/9/2009
M87036	130056GW00255X	M87036-10	90-12-0	Naphthalene, 1-methyl-	5.4	JN	11/3/2009	11/9/2009
M87036	130056GW00255X	M87036-10	91-20-3	Naphthalene	59	JN	11/3/2009	11/9/2009
M87036	130056GW00250X	M87036-11	115-11-7	1-Propene, 2-methyl-	350	JN	11/3/2009	11/9/2009
M87036	130056GW00250X	M87036-11	90-12-0	Naphthalene, 1-methyl-	5.3	JN	11/3/2009	11/9/2009
M87036	130056GW00250X	M87036-11	91-20-3	Naphthalene	60	JN	11/3/2009	11/9/2009
M87036	130056GW00250X	M87036-11	91-57-6	Naphthalene, 2-methyl-	6.0	JN	11/3/2009	11/9/2009
M87036	130056GW00245X	M87036-12	106-97-8	Butane	200	JN	11/3/2009	11/9/2009
M87036	130056GW00245X	M87036-12	109-67-1	1-Pentene	93	JN	11/3/2009	11/9/2009
M87036	130056GW00245X	M87036-12	115-11-7	1-Propene, 2-methyl-	510	JN	11/3/2009	11/9/2009
M87036	130056GW00245X	M87036-12	767-59-9	1H-Indene, 1-methyl-	5.8	JN	11/3/2009	11/9/2009
M87036	130056GW00245X	M87036-12	90-12-0	Naphthalene, 1-methyl-	14	JN	11/3/2009	11/9/2009
M87036	130056GW00245X	M87036-12	91-20-3	Naphthalene	96	JN	11/3/2009	11/9/2009
M87036	130056GW00245X	M87036-12	91-57-6	Naphthalene, 2-methyl-	13	JN	11/3/2009	11/9/2009
M87036	130056GW00245X	M87036-12	95-13-6	Indene	5.3	JN	11/3/2009	11/9/2009
M87036	130056GW00240X	M87036-13	115-11-7	1-Propene, 2-methyl-	150	JN	11/3/2009	11/9/2009
M87036	130056GW00240X	M87036-13	90-12-0	Naphthalene, 1-methyl-	14	JN	11/3/2009	11/9/2009
M87036	130056GW00240X	M87036-13	91-20-3	Naphthalene	110	JN	11/3/2009	11/9/2009
M87036	130056GW00240X	M87036-13	91-57-6	Naphthalene, 2-methyl-	13	JN	11/3/2009	11/9/2009
M87036	130056GW00235X	M87036-14	106-97-8	Butane	580	JN	11/2/2009	11/9/2009
M87036	130056GW00235X	M87036-14	106-98-9	1-Butene	180	JN	11/2/2009	11/9/2009
M87036	130056GW00235X	M87036-14	107-81-3	Pentane, 2-bromo-	90	JN	11/2/2009	11/9/2009
M87036	130056GW00235X	M87036-14	109-66-0	Pentane	420	JN	11/2/2009	11/9/2009
M87036	130056GW00235X	M87036-14	109-67-1	1-Pentene	300	JN	11/2/2009	11/9/2009
M87036	130056GW00235X	M87036-14	115-11-7	1-Propene, 2-methyl-	740	JN	11/2/2009	11/9/2009
M87036	130056GW00235X	M87036-14	563-45-1	1-Butene, 3-methyl-	100	JN	11/2/2009	11/9/2009
M87036	130056GW00235X	M87036-14	6921-35-3	Oxetane, 3,3-dimethyl-	71	JN	11/2/2009	11/9/2009
M87036	130056GW00235X	M87036-14	760-20-3	1-Pentene, 3-methyl-	77	JN	11/2/2009	11/9/2009
M87036	130056GW00235X	M87036-14	78-78-4	Butane, 2-methyl-	240	JN	11/2/2009	11/9/2009
M87036	130056GW00230X	M87036-15	106-97-8	Butane	270	JN	11/2/2009	11/7/2009
M87036	130056GW00230X	M87036-15	107-01-7	2-Butene	220	JN	11/2/2009	11/7/2009
M87036	130056GW00225X	M87036-16	106-97-8	Butane	580	JN	11/2/2009	11/9/2009
M87036	130056GW00225X	M87036-16	107-83-5	Pentane, 2-methyl-	77	JN	11/2/2009	11/9/2009
M87036	130056GW00225X	M87036-16	109-66-0	Pentane	380	JN	11/2/2009	11/9/2009
M87036	130056GW00225X	M87036-16	109-67-1	1-Pentene	280	JN	11/2/2009	11/9/2009
M87036	130056GW00225X	M87036-16	115-11-7	1-Propene, 2-methyl-	640	JN	11/2/2009	11/9/2009

TABLE 3 - VOC TICs
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

SDG	Sample ID	Lab Sample ID	CAS No	Compound	Final Result (µg/L)	Qualifier	Sample Date	Analysis Date
M87036	130056GW00225X	M87036-16	115-11-7	1-Propene, 2-methyl-	130	JN	11/2/2009	11/9/2009
M87036	130056GW00225X	M87036-16	78-78-4	Butane, 2-methyl-	230	JN	11/2/2009	11/9/2009
M87036	130056GW00225X	M87036-16	930-18-7	Cyclopropane, 1,2-dimethyl-, cis-	79	JN	11/2/2009	11/9/2009
M87036	130056GW00220X	M87036-17	106-97-8	Butane	1100	JN	11/2/2009	11/7/2009
M87036	130056GW00220X	M87036-17	109-66-0	Pentane	650	JN	11/2/2009	11/7/2009
M87036	130056GW00220X	M87036-17	109-67-1	1-Pentene	510	JN	11/2/2009	11/7/2009
M87036	130056GW00220X	M87036-17	115-11-7	1-Propene, 2-methyl-	1200	JN	11/2/2009	11/7/2009
M87036	130056GW00220X	M87036-17	78-78-4	Butane, 2-methyl-	410	JN	11/2/2009	11/7/2009
M87036	130056GW00290D	M87036-2	106-97-8	Butane	210	JN	11/3/2009	11/6/2009
M87036	130056GW00290D	M87036-2	115-11-7	1-Propene, 2-methyl-	730	JN	11/3/2009	11/6/2009
M87036	130056GW00290D	M87036-2	91-20-3	Naphthalene	6.9	JN	11/3/2009	11/6/2009
M87036	130056GW00545X	M87036-20	106-97-8	Butane	390	JN	11/3/2009	11/9/2009
M87036	130056GW00545X	M87036-20	109-66-0	Pentane	270	JN	11/3/2009	11/9/2009
M87036	130056GW00545X	M87036-20	109-67-1	1-Pentene	160	JN	11/3/2009	11/9/2009
M87036	130056GW00545X	M87036-20	115-11-7	1-Propene, 2-methyl-	480	JN	11/3/2009	11/9/2009
M87036	130056GW00545X	M87036-20	563-46-2	1-Butene, 2-methyl-	68	JN	11/3/2009	11/9/2009
M87036	130056GW00545X	M87036-20	763-29-1	1-Pentene, 2-methyl-	130	JN	11/3/2009	11/9/2009
M87036	130056GW00545X	M87036-20	78-78-4	Butane, 2-methyl-	130	JN	11/3/2009	11/9/2009
M87036	130056GW00540X	M87036-21	106-97-8	Butane	71	JN	11/3/2009	11/9/2009
M87036	130056GW00540X	M87036-21	115-11-7	1-Propene, 2-methyl-	100	JN	11/3/2009	11/9/2009
M87036	130056GW00535X	M87036-22	109-66-0	Pentane	95	JN	11/3/2009	11/9/2009
M87036	130056GW00535X	M87036-22	115-11-7	1-Propene, 2-methyl-	150	JN	11/3/2009	11/9/2009
M87036	130056GW00530X	M87036-23	115-11-7	1-Propene, 2-methyl-	140	JN	11/3/2009	11/9/2009
M87036	130056GW00525X	M87036-24	106-88-7	Oxirane, ethyl-	76	JN	11/3/2009	11/10/2009
M87036	130056GW00525X	M87036-24	106-97-8	Butane	86	JN	11/3/2009	11/10/2009
M87036	130056GW00525X	M87036-24	115-11-7	1-Propene, 2-methyl-	140	JN	11/3/2009	11/10/2009
M87036	130056GW00285X	M87036-3	115-11-7	1-Propene, 2-methyl-	750	JN	11/3/2009	11/6/2009
M87036	130056GW00285X	M87036-3	91-20-3	Naphthalene	8.3	JN	11/3/2009	11/6/2009
M87036	130056GW00280X	M87036-4	115-11-7	1-Propene, 2-methyl-	780	JN	11/3/2009	11/6/2009
M87036	130056GW00280X	M87036-4	91-20-3	Naphthalene	22	JN	11/3/2009	11/6/2009
M87036	130056GW00275X	M87036-5	115-11-7	1-Propene, 2-methyl-	510	JN	11/3/2009	11/6/2009
M87036	130056GW00275X	M87036-5	91-20-3	Naphthalene	40	JN	11/3/2009	11/6/2009
M87036	130056GW00270X	M87036-6	106-97-8	Butane	240	JN	11/3/2009	11/7/2009
M87036	130056GW00270X	M87036-6	115-11-7	1-Propene, 2-methyl-	960	JN	11/3/2009	11/7/2009
M87036	130056GW00270X	M87036-6	91-20-3	Naphthalene	32	JN	11/3/2009	11/7/2009
M87036	130056GW00265X	M87036-7	106-97-8	Butane	210	JN	11/3/2009	11/9/2009
M87036	130056GW00265X	M87036-7	109-67-1	1-Pentene	130	JN	11/3/2009	11/9/2009
M87036	130056GW00265X	M87036-7	115-11-7	1-Propene, 2-methyl-	990	JN	11/3/2009	11/9/2009

TABLE 3 - VOC TICs
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

SDG	Sample ID	Lab Sample ID	CAS No	Compound	Final Result (µg/L)	Qualifier	Sample Date	Analysis Date
M87036	130056GW00265X	M87036-7	3769-23-1	1-Hexene, 4-methyl-	100	JN	11/3/2009	11/9/2009
M87036	130056GW00265X	M87036-7	542-92-7	1,3-Cyclopentadiene	68	JN	11/3/2009	11/9/2009
M87036	130056GW00265X	M87036-7	91-20-3	Naphthalene	24	JN	11/3/2009	11/9/2009
M87036	130056GW00260X	M87036-8	106-97-8	Butane	170	JN	11/3/2009	11/9/2009
M87036	130056GW00260X	M87036-8	115-11-7	1-Propene, 2-methyl-	730	JN	11/3/2009	11/9/2009
M87036	130056GW00260X	M87036-8	115-11-7	1-Propene, 2-methyl-	72	JN	11/3/2009	11/9/2009
M87036	130056GW00260X	M87036-8	1191-96-4	Cyclopropane, ethyl-	98	JN	11/3/2009	11/9/2009
M87036	130056GW00260X	M87036-8	91-20-3	Naphthalene	44	JN	11/3/2009	11/9/2009
M87036	130056GW00260D	M87036-9	115-11-7	1-Propene, 2-methyl-	650	JN	11/3/2009	11/9/2009
M87036	130056GW00260D	M87036-9	91-20-3	Naphthalene	37	JN	11/3/2009	11/9/2009
M87118	130056GW00175X	M87118-1	106-97-8	Butane	220	JN	11/5/2009	11/12/2009
M87118	130056GW00175X	M87118-1	106-98-9	1-Butene	260	JN	11/5/2009	11/12/2009
M87118	130056GW00175X	M87118-1	109-66-0	Pentane	140	JN	11/5/2009	11/12/2009
M87118	130056GW00175X	M87118-1	115-11-7	1-Propene, 2-methyl-	97	JN	11/5/2009	11/12/2009
M87118	130056GW00175X	M87118-1	126-58-9	1,3-Propanediol, 2,2'-oxybis(methylene)	63	JN	11/5/2009	11/12/2009
M87118	130056GW00175X	M87118-1	5145-01-7	2(3H)-Furanone, dihydro-3,5-dimethyl-	61	JN	11/5/2009	11/12/2009
M87118	130056GW00175X	M87118-1	82989-67-1	4,6-Dimethyl-5H-1,3,5-dithiazine	53	JN	11/5/2009	11/12/2009
M87118	130056GW00135X	M87118-10	106-97-8	Butane	140	JN	11/5/2009	11/12/2009
M87118	130056GW00135X	M87118-10	109-66-0	Pentane	82	JN	11/5/2009	11/12/2009
M87118	130056GW00135X	M87118-10	115-11-7	1-Propene, 2-methyl-	170	JN	11/5/2009	11/12/2009
M87118	130056GW00130X	M87118-11	106-97-8	Butane	54	JN	11/5/2009	11/12/2009
M87118	130056GW00130X	M87118-11	106-98-9	1-Butene	89	JN	11/5/2009	11/12/2009
M87118	130056GW00125X	M87118-12	115-11-7	1-Propene, 2-methyl-	100	JN	11/5/2009	11/12/2009
M87118	130056GW00120X	M87118-13	106-97-8	Butane	100	JN	11/5/2009	11/12/2009
M87118	130056GW00120X	M87118-13	115-11-7	1-Propene, 2-methyl-	160	JN	11/5/2009	11/12/2009
M87118	130056GW00120X	M87118-13	1191-96-4	Cyclopropane, ethyl-	50	JN	11/5/2009	11/12/2009
M87118	130056GW00120X	M87118-13	287-92-3	Cyclopentane	86	JN	11/5/2009	11/12/2009
M87118	130056GW00120X	M87118-13	74-99-7	1-Propyne	55	JN	11/5/2009	11/12/2009
M87118	130056GW00115X	M87118-14	115-11-7	1-Propene, 2-methyl-	54	JN	11/5/2009	11/12/2009
M87118	130056GW00115X	M87118-14	3238-40-2	2,5-Furandicarboxylic acid	55	JN	11/5/2009	11/12/2009
M87118	130056GW00110X	M87118-15	1823-52-5	2-Oxetanone, 4,4-dimethyl-	90	JN	11/5/2009	11/12/2009
M87118	130056GW00365X	M87118-16	106-97-8	Butane	250	JN	11/5/2009	11/12/2009
M87118	130056GW00365X	M87118-16	109-66-0	Pentane	170	JN	11/5/2009	11/12/2009
M87118	130056GW00365X	M87118-16	109-67-1	1-Pentene	86	JN	11/5/2009	11/12/2009
M87118	130056GW00365X	M87118-16	115-11-7	1-Propene, 2-methyl-	81	JN	11/5/2009	11/12/2009
M87118	130056GW00365X	M87118-16	25368-52-9	Propenal dimethylhydrazone	86	JN	11/5/2009	11/12/2009
M87118	130056GW00365X	M87118-16	624-64-6	2-Butene, (E)-	260	JN	11/5/2009	11/12/2009
M87118	130056GW00360X	M87118-17	115-11-7	1-Propene, 2-methyl-	80	JN	11/5/2009	11/12/2009

TABLE 3 - VOC TICs
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

SDG	Sample ID	Lab Sample ID	CAS No	Compound	Final Result (µg/L)	Qualifier	Sample Date	Analysis Date
M87118	130056GW00355X	M87118-18	5273-85-8	Benzene, 1,2,3-trimethoxy-5-(1-propenyl)	59	JN	11/5/2009	11/13/2009
M87118	130056GW00350X	M87118-19	115-11-7	1-Propene, 2-methyl-	76	JN	11/5/2009	11/12/2009
M87118	130056GW00350X	M87118-19	55162-43-1	Thiophene, 2,5-bis(1,1-dimethylethoxy)-	79	JN	11/5/2009	11/12/2009
M87118	130056GW00170X	M87118-2	106-97-8	Butane	160	JN	11/5/2009	11/12/2009
M87118	130056GW00170X	M87118-2	107-01-7	2-Butene	73	JN	11/5/2009	11/12/2009
M87118	130056GW00170X	M87118-2	109-67-1	1-Pentene	72	JN	11/5/2009	11/12/2009
M87118	130056GW00170X	M87118-2	111-66-0	1-Octene	110	JN	11/5/2009	11/12/2009
M87118	130056GW00170X	M87118-2	115-11-7	1-Propene, 2-methyl-	210	JN	11/5/2009	11/12/2009
M87118	130056GW00170X	M87118-2	78-78-4	Butane, 2-methyl-	54	JN	11/5/2009	11/12/2009
M87118	130056GW00345X	M87118-20	106-97-8	Butane	60	JN	11/5/2009	11/13/2009
M87118	130056GW00345X	M87118-20	1823-52-5	2-Oxetanone, 4,4-dimethyl-	78	JN	11/5/2009	11/13/2009
M87118	130056GW00340X	M87118-21	106-97-8	Butane	91	JN	11/5/2009	11/13/2009
M87118	130056GW00340X	M87118-21	115-11-7	1-Propene, 2-methyl-	110	JN	11/5/2009	11/13/2009
M87118	130056GW00335X	M87118-22	106-97-8	Butane	94	JN	11/5/2009	11/13/2009
M87118	130056GW00335X	M87118-22	109-66-0	Pentane	77	JN	11/5/2009	11/13/2009
M87118	130056GW00335X	M87118-22	115-11-7	1-Propene, 2-methyl-	130	JN	11/5/2009	11/13/2009
M87118	130056GW00330X	M87118-23	106-97-8	Butane	120	JN	11/5/2009	11/13/2009
M87118	130056GW00330X	M87118-23	109-66-0	Pentane	72	JN	11/5/2009	11/13/2009
M87118	130056GW00330X	M87118-23	115-11-7	1-Propene, 2-methyl-	150	JN	11/5/2009	11/13/2009
M87118	130056GW00325X	M87118-24	106-88-7	Oxirane, ethyl-	73	JN	11/5/2009	11/13/2009
M87118	130056GW00325X	M87118-24	106-97-8	Butane	97	JN	11/5/2009	11/13/2009
M87118	130056GW00325X	M87118-24	106-98-9	1-Butene	130	JN	11/5/2009	11/13/2009
M87118	130056GW00325X	M87118-24	109-67-1	1-Pentene	53	JN	11/5/2009	11/13/2009
M87118	130056GW00165X	M87118-3	106-97-8	Butane	270	JN	11/5/2009	11/12/2009
M87118	130056GW00165X	M87118-3	109-67-1	1-Pentene	88	JN	11/5/2009	11/12/2009
M87118	130056GW00165X	M87118-3	115-11-7	1-Propene, 2-methyl-	280	JN	11/5/2009	11/12/2009
M87118	130056GW00165X	M87118-3	115-11-7	1-Propene, 2-methyl-	100	JN	11/5/2009	11/12/2009
M87118	130056GW00165X	M87118-3	1191-96-4	Cyclopropane, ethyl-	170	JN	11/5/2009	11/12/2009
M87118	130056GW00165X	M87118-3	78-78-4	Butane, 2-methyl-	89	JN	11/5/2009	11/12/2009
M87118	130056GW00460X	M87118-34	106-97-8	Butane	74	JN	11/4/2009	11/13/2009
M87118	130056GW00460X	M87118-34	106-98-9	1-Butene	100	JN	11/4/2009	11/13/2009
M87118	130056GW00455X	M87118-35	109-66-0	Pentane	130	JN	11/4/2009	11/13/2009
M87118	130056GW00455X	M87118-35	109-67-1	1-Pentene	70	JN	11/4/2009	11/13/2009
M87118	130056GW00455X	M87118-35	115-11-7	1-Propene, 2-methyl-	210	JN	11/4/2009	11/13/2009
M87118	130056GW00450X	M87118-36	106-97-8	Butane	190	JN	11/4/2009	11/13/2009
M87118	130056GW00450X	M87118-36	106-98-9	1-Butene	77	JN	11/4/2009	11/13/2009
M87118	130056GW00450X	M87118-36	109-66-0	Pentane	130	JN	11/4/2009	11/13/2009
M87118	130056GW00450X	M87118-36	115-11-7	1-Propene, 2-methyl-	250	JN	11/4/2009	11/13/2009

TABLE 3 - VOC TICs
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

SDG	Sample ID	Lab Sample ID	CAS No	Compound	Final Result (µg/L)	Qualifier	Sample Date	Analysis Date
M87118	130056GW00450X	M87118-36	1191-96-4	Cyclopropane, ethyl-	75	JN	11/4/2009	11/13/2009
M87118	130056GW00450D	M87118-37	106-97-8	Butane	320	JN	11/4/2009	11/13/2009
M87118	130056GW00450D	M87118-37	109-66-0	Pentane	220	JN	11/4/2009	11/13/2009
M87118	130056GW00450D	M87118-37	109-67-1	1-Pentene	120	JN	11/4/2009	11/13/2009
M87118	130056GW00450D	M87118-37	115-11-7	1-Propene, 2-methyl-	360	JN	11/4/2009	11/13/2009
M87118	130056GW00450D	M87118-37	115-11-7	1-Propene, 2-methyl-	94	JN	11/4/2009	11/13/2009
M87118	130056GW00450D	M87118-37	2402-06-4	Cyclopropane, 1,2-dimethyl-, trans-	50	JN	11/4/2009	11/13/2009
M87118	130056GW00445X	M87118-38	109-66-0	Pentane	110	JN	11/4/2009	11/13/2009
M87118	130056GW00445X	M87118-38	109-67-1	1-Pentene	71	JN	11/4/2009	11/13/2009
M87118	130056GW00445X	M87118-38	115-11-7	1-Propene, 2-methyl-	210	JN	11/4/2009	11/13/2009
M87118	130056GW00445X	M87118-38	78-78-4	Butane, 2-methyl-	64	JN	11/4/2009	11/13/2009
M87118	130056GW00440X	M87118-39	115-11-7	1-Propene, 2-methyl-	99	JN	11/4/2009	11/13/2009
M87118	130056GW00440X	M87118-39	75-19-4	Cyclopropane	55	JN	11/4/2009	11/13/2009
M87118	130056GW00160X	M87118-4	106-97-8	Butane	200	JN	11/5/2009	11/12/2009
M87118	130056GW00160X	M87118-4	109-66-0	Pentane	150	JN	11/5/2009	11/12/2009
M87118	130056GW00160X	M87118-4	115-11-7	1-Propene, 2-methyl-	250	JN	11/5/2009	11/12/2009
M87118	130056GW00160X	M87118-4	115-11-7	1-Propene, 2-methyl-	83	JN	11/5/2009	11/12/2009
M87118	130056GW00160X	M87118-4	1191-96-4	Cyclopropane, ethyl-	77	JN	11/5/2009	11/12/2009
M87118	130056GW00160X	M87118-4	78-78-4	Butane, 2-methyl-	67	JN	11/5/2009	11/12/2009
M87118	130056GW00435X	M87118-40	106-97-8	Butane	77	JN	11/4/2009	11/13/2009
M87118	130056GW00435X	M87118-40	115-11-7	1-Propene, 2-methyl-	120	JN	11/4/2009	11/13/2009
M87118	130056GW00430X	M87118-41	109-66-0	Pentane	72	JN	11/4/2009	11/13/2009
M87118	130056GW00430X	M87118-41	115-11-7	1-Propene, 2-methyl-	130	JN	11/4/2009	11/13/2009
M87118	130056GW00425X	M87118-42	109-66-0	Pentane	73	JN	11/4/2009	11/13/2009
M87118	130056GW00425X	M87118-42	115-11-7	1-Propene, 2-methyl-	140	JN	11/4/2009	11/13/2009
M87118	130056GW00420X	M87118-43	106-97-8	Butane	150	JN	11/4/2009	11/13/2009
M87118	130056GW00420X	M87118-43	109-66-0	Pentane	110	JN	11/4/2009	11/13/2009
M87118	130056GW00420X	M87118-43	109-67-1	1-Pentene	77	JN	11/4/2009	11/13/2009
M87118	130056GW00420X	M87118-43	115-11-7	1-Propene, 2-methyl-	200	JN	11/4/2009	11/13/2009
M87118	130056GW00415X	M87118-44	1823-52-5	2-Oxetanone, 4,4-dimethyl-	74	JN	11/4/2009	11/13/2009
M87118	130056GW00590X	M87118-46	106-98-9	1-Butene	100	JN	11/4/2009	11/13/2009
M87118	130056GW00585X	M87118-47	115-11-7	1-Propene, 2-methyl-	97	JN	11/4/2009	11/14/2009
M87118	130056GW00580X	M87118-48	106-88-7	Oxirane, ethyl-	99	JN	11/4/2009	11/14/2009
M87118	130056GW00580X	M87118-48	106-97-8	Butane	130	JN	11/4/2009	11/14/2009
M87118	130056GW00580X	M87118-48	115-11-7	1-Propene, 2-methyl-	180	JN	11/4/2009	11/14/2009
M87118	130056GW00575X	M87118-49	109-66-0	Pentane	73	JN	11/4/2009	11/14/2009
M87118	130056GW00575X	M87118-49	115-11-7	1-Propene, 2-methyl-	150	JN	11/4/2009	11/14/2009
M87118	130056GW00155X	M87118-5	106-97-8	Butane	280	JN	11/5/2009	11/12/2009

TABLE 3 - VOC TICs
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

SDG	Sample ID	Lab Sample ID	CAS No	Compound	Final Result (µg/L)	Qualifier	Sample Date	Analysis Date
M87118	130056GW00155X	M87118-5	109-66-0	Pentane	160	JN	11/5/2009	11/12/2009
M87118	130056GW00155X	M87118-5	115-11-7	1-Propene, 2-methyl-	290	JN	11/5/2009	11/12/2009
M87118	130056GW00155X	M87118-5	115-11-7	1-Propene, 2-methyl-	110	JN	11/5/2009	11/12/2009
M87118	130056GW00155X	M87118-5	1191-96-4	Cyclopropane, ethyl-	90	JN	11/5/2009	11/12/2009
M87118	130056GW00155X	M87118-5	78-78-4	Butane, 2-methyl-	100	JN	11/5/2009	11/12/2009
M87118	130056GW00570X	M87118-50	1823-52-5	2-Oxetanone, 4,4-dimethyl-	120	JN	11/4/2009	11/14/2009
M87118	130056GW00570X	M87118-50	75-19-4	Cyclopropane	55	JN	11/4/2009	11/14/2009
M87118	130056GW00560X	M87118-52	106-97-8	Butane	310	JN	11/4/2009	11/14/2009
M87118	130056GW00560X	M87118-52	109-66-0	Pentane	190	JN	11/4/2009	11/14/2009
M87118	130056GW00560X	M87118-52	109-67-1	1-Pentene	120	JN	11/4/2009	11/14/2009
M87118	130056GW00560X	M87118-52	115-11-7	1-Propene, 2-methyl-	390	JN	11/4/2009	11/14/2009
M87118	130056GW00560X	M87118-52	115-11-7	1-Propene, 2-methyl-	110	JN	11/4/2009	11/14/2009
M87118	130056GW00560X	M87118-52	78-78-4	Butane, 2-methyl-	100	JN	11/4/2009	11/14/2009
M87118	130056GW00555X	M87118-53	106-97-8	Butane	280	JN	11/4/2009	11/14/2009
M87118	130056GW00555X	M87118-53	109-66-0	Pentane	180	JN	11/4/2009	11/14/2009
M87118	130056GW00555X	M87118-53	109-67-1	1-Pentene	110	JN	11/4/2009	11/14/2009
M87118	130056GW00555X	M87118-53	115-11-7	1-Propene, 2-methyl-	390	JN	11/4/2009	11/14/2009
M87118	130056GW00555X	M87118-53	3769-23-1	1-Hexene, 4-methyl-	94	JN	11/4/2009	11/14/2009
M87118	130056GW00550X	M87118-54	109-66-0	Pentane	120	JN	11/4/2009	11/13/2009
M87118	130056GW00550X	M87118-54	115-11-7	1-Propene, 2-methyl-	280	JN	11/4/2009	11/13/2009
M87118	130056GW00550X	M87118-54	115-11-7	1-Propene, 2-methyl-	71	JN	11/4/2009	11/13/2009
M87118	130056GW00550X	M87118-54	1191-99-7	Furan, 2,3-dihydro-	78	JN	11/4/2009	11/13/2009
M87118	130056GW00550X	M87118-54	78-78-4	Butane, 2-methyl-	58	JN	11/4/2009	11/13/2009
M87118	130056GW00670X	M87118-55	600-32-8	Butanoic acid, 2,3-dichloro-	53	JN	11/6/2009	11/13/2009
M87118	130056GW00650X	M87118-59	106-97-8	Butane	59	JN	11/6/2009	11/13/2009
M87118	130056GW00650X	M87118-59	115-11-7	1-Propene, 2-methyl-	64	JN	11/6/2009	11/13/2009
M87118	130056GW00150X	M87118-6	115-11-7	1-Propene, 2-methyl-	94	JN	11/5/2009	11/12/2009
M87118	130056GW00150X	M87118-6	928-90-5	5-Hexyn-1-ol	89	JN	11/5/2009	11/12/2009
M87118	130056GW00645X	M87118-60	115-11-7	1-Propene, 2-methyl-	64	JN	11/6/2009	11/13/2009
M87118	130056GW00645X	M87118-60	75-07-0	Acetaldehyde	560	JN	11/6/2009	11/13/2009
M87118	130056GW00640X	M87118-61	106-97-8	Butane	53	JN	11/6/2009	11/13/2009
M87118	130056GW00640X	M87118-61	106-98-9	1-Butene	78	JN	11/6/2009	11/13/2009
M87118	130056GW00640X	M87118-61	1668-10-6	Glycinamide hydrochloride	480	JN	11/6/2009	11/13/2009
M87118	130056GW00640X	M87118-61	72088-02-9	5-Pyrimidinecarboxylic acid, hexahydro-5	50	JN	11/6/2009	11/13/2009
M87118	130056GW00625X	M87118-64	75-07-0	Acetaldehyde	340	JN	11/6/2009	11/13/2009
M87118	130056GW00615X	M87118-66	106-97-8	Butane	80	JN	11/6/2009	11/13/2009
M87118	130056GW00615X	M87118-66	115-07-1	Propene	430	JN	11/6/2009	11/13/2009
M87118	130056GW00615X	M87118-66	115-11-7	1-Propene, 2-methyl-	110	JN	11/6/2009	11/13/2009

TABLE 3 - VOC TICs
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

SDG	Sample ID	Lab Sample ID	CAS No	Compound	Final Result (µg/L)	Qualifier	Sample Date	Analysis Date
M87118	130056GW00615X	M87118-66	115-11-7	1-Propene, 2-methyl-	53	JN	11/6/2009	11/13/2009
M87118	130056GW00610X	M87118-67	75-07-0	Acetaldehyde	76	JN	11/6/2009	11/13/2009
M87118	130056GW00610X	M87118-67	75-21-8	Ethylene oxide	290	JN	11/6/2009	11/13/2009
M87118	130056GW00370X	M87118-69	106-97-8	Butane	160	JN	11/5/2009	11/13/2009
M87118	130056GW00370X	M87118-69	109-67-1	1-Pentene	62	JN	11/5/2009	11/13/2009
M87118	130056GW00370X	M87118-69	115-07-1	Propene	370	JN	11/5/2009	11/13/2009
M87118	130056GW00370X	M87118-69	115-11-7	1-Propene, 2-methyl-	170	JN	11/5/2009	11/13/2009
M87118	130056GW00370X	M87118-69	115-11-7	1-Propene, 2-methyl-	56	JN	11/5/2009	11/13/2009
M87118	130056GW00370X	M87118-69	18346-78-6	Bicyclo[3.3.1]nonan-2-one, 9-isopropylid	120	JN	11/5/2009	11/13/2009
M87118	130056GW00370X	M87118-69	78-78-4	Butane, 2-methyl-	52	JN	11/5/2009	11/13/2009
M87118	130056GW00150D	M87118-7	106-97-8	Butane	75	JN	11/5/2009	11/12/2009
M87118	130056GW00150D	M87118-7	115-11-7	1-Propene, 2-methyl-	76	JN	11/5/2009	11/12/2009
M87118	130056GW00145X	M87118-8	1823-52-5	2-Oxetanone, 4,4-dimethyl-	77	JN	11/5/2009	11/12/2009
M87118	130056GW00145X	M87118-8	3031-75-2	Hydroperoxide, 1-methylethyl	58	JN	11/5/2009	11/12/2009
M87118	130056GW00140X	M87118-9	115-11-7	1-Propene, 2-methyl-	73	JN	11/5/2009	11/12/2009
M87699	130056GW01150X	M87699-10	106-97-8	Butane	67	JN	11/30/2009	12/1/2009
M87699	130056GW01150X	M87699-10	115-11-7	1-Propene, 2-methyl-	99	JN	11/30/2009	12/1/2009
M87699	130056GW01150X	M87699-10	78-83-1	1-Propanol, 2-methyl-	290	JN	11/30/2009	12/1/2009
M87699	130056GW01170X	M87699-14	106-97-8	Butane	53	JN	11/30/2009	12/1/2009
M87699	130056GW01170X	M87699-14	115-11-7	1-Propene, 2-methyl-	60	JN	11/30/2009	12/1/2009
M87699	130056GW01175X	M87699-15	115-11-7	1-Propene, 2-methyl-	81	JN	11/30/2009	12/1/2009
M87699	130056GW01180X	M87699-16	106-97-8	Butane	90	JN	11/30/2009	12/1/2009
M87699	130056GW01180X	M87699-16	115-11-7	1-Propene, 2-methyl-	130	JN	11/30/2009	12/1/2009
M87699	130056GW01180X	M87699-16	1191-96-4	Cyclopropane, ethyl-	58	JN	11/30/2009	12/1/2009
M87699	130056GW01185X	M87699-17	1191-96-4	Cyclopropane, ethyl-	10	JN	11/30/2009	12/1/2009
M87699	130056GW01185X	M87699-17	71-41-0	1-Pentanol	7.0	JN	11/30/2009	12/1/2009
M87699	130056GW01190X	M87699-18	115-07-1	Propene	11	JN	11/30/2009	12/1/2009
M87699	130056GW01190X	M87699-18	5157-08-4	3(2H)-Pyridazinone, 4,5-dihydro-6-methyl	5.3	JN	11/30/2009	12/1/2009
M87699	130056GW01510X	M87699-19	109-67-1	1-Pentene	6.0	JN	11/30/2009	12/1/2009
M87699	130056GW01560X	M87699-30	109-67-1	1-Pentene	6.5	JN	11/30/2009	12/2/2009
M87699	130056GW01560X	M87699-30	75-19-4	Cyclopropane	10	JN	11/30/2009	12/2/2009
M87699	130056GW01565D	M87699-31	558-30-5	Oxirane, 2,2-dimethyl-	9.7	JN	11/30/2009	12/2/2009
M87699	130056GW01565X	M87699-32	75-19-4	Cyclopropane	7.3	JN	11/30/2009	12/2/2009
M87768	130056GW00765X	M87768-13	106-97-8	Butane	56	JN	12/2/2009	12/6/2009
M87768	130056GW00820X	M87768-18	5883-17-0	2-Propenamide, N-ethyl-	5.5	JN	12/1/2009	12/6/2009
M87768	130056GW00825X	M87768-19	109-67-1	1-Pentene	7.6	JN	12/1/2009	12/6/2009
M87768	130056GW00825X	M87768-19	111-86-4	1-Octanamine	6.3	JN	12/1/2009	12/6/2009
M87768	130056GW00825X	M87768-19	598-61-8	Cyclobutane, methyl-	9.3	JN	12/1/2009	12/6/2009

TABLE 3 - VOC TICs
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

SDG	Sample ID	Lab Sample ID	CAS No	Compound	Final Result (µg/L)	Qualifier	Sample Date	Analysis Date
M87768	130056GW00715X	M87768-2	5963-74-6	Hydroxylamine, O-pentyl-	6.0	JN	12/1/2009	12/6/2009
M87768	130056GW00830X	M87768-20	109-67-1	1-Pentene	5.5	JN	12/1/2009	12/6/2009
M87768	130056GW00830X	M87768-20	71-36-3	1-Butanol	7.8	JN	12/1/2009	12/6/2009
M87768	130056GW00835X	M87768-21	115-07-1	Propene	5.4	JN	12/1/2009	12/6/2009
M87768	130056GW00840X	M87768-22	109-66-0	Pentane	7.5	JN	12/1/2009	12/6/2009
M87768	130056GW00845X	M87768-23	109-66-0	Pentane	8.2	JN	12/1/2009	12/6/2009
M87768	130056GW00855X	M87768-25	109-67-1	1-Pentene	7.0	JN	12/1/2009	12/6/2009
M87768	130056GW00860X	M87768-26	109-66-0	Pentane	11	JN	12/1/2009	12/6/2009
M87768	130056GW00860X	M87768-26	1191-96-4	Cyclopropane, ethyl-	7.4	JN	12/1/2009	12/6/2009
M87768	130056GW00865X	M87768-27	109-66-0	Pentane	9.8	JN	12/1/2009	12/6/2009
M87768	130056GW00865X	M87768-27	71-41-0	1-Pentanol	6.1	JN	12/1/2009	12/6/2009
M87768	130056GW00865X	M87768-27	75-21-8	Ethylene oxide	6.7	JN	12/1/2009	12/6/2009
M87768	130056GW00720X	M87768-3	56554-43-9	3,6-Octadecadiynoic acid, methyl ester	5.5	JN	12/1/2009	12/6/2009
M87768	130056GW00925X	M87768-36	106-88-7	Oxirane, ethyl-	7.5	JN	12/1/2009	12/7/2009
M87768	130056GW00925X	M87768-36	1191-96-4	Cyclopropane, ethyl-	5.3	JN	12/1/2009	12/7/2009
M87768	130056GW00930X	M87768-37	75-19-4	Cyclopropane	110	JN	12/1/2009	12/7/2009
M87768	130056GW00930X	M87768-37	764-60-3	2-Hexyn-1-ol	76	JN	12/1/2009	12/7/2009
M87768	130056GW00935D	M87768-38	106-88-7	Oxirane, ethyl-	150	JN	12/1/2009	12/7/2009
M87768	130056GW00935D	M87768-38	1191-96-4	Cyclopropane, ethyl-	77	JN	12/1/2009	12/7/2009
M87768	130056GW00935D	M87768-38	78-78-4	Butane, 2-methyl-	63	JN	12/1/2009	12/7/2009
M87768	130056GW00935X	M87768-39	115-07-1	Propene	84	JN	12/1/2009	12/7/2009
M87768	130056GW00935X	M87768-39	123-73-9	2-Butenal, (E)-	53	JN	12/1/2009	12/7/2009
M87768	130056GW00725X	M87768-4	3913-81-3	2-Decenal, (E)-	5.3	JN	12/1/2009	12/6/2009
M87768	130056GW00940X	M87768-40	106-88-7	Oxirane, ethyl-	120	JN	12/1/2009	12/7/2009
M87768	130056GW00940X	M87768-40	1191-96-4	Cyclopropane, ethyl-	75	JN	12/1/2009	12/7/2009
M87768	130056GW00945X	M87768-41	109-66-0	Pentane	160	JN	12/1/2009	12/7/2009
M87768	130056GW00945X	M87768-41	5145-01-7	2(3H)-Furanone, dihydro-3,5-dimethyl-	81	JN	12/1/2009	12/7/2009
M87768	130056GW00950X	M87768-42	109-66-0	Pentane	130	JN	12/1/2009	12/7/2009
M87768	130056GW00950X	M87768-42	109-67-1	1-Pentene	89	JN	12/1/2009	12/7/2009
M87768	130056GW00955X	M87768-43	109-66-0	Pentane	100	JN	12/1/2009	12/7/2009
M87768	130056GW00955X	M87768-43	1191-96-4	Cyclopropane, ethyl-	87	JN	12/1/2009	12/7/2009
M87768	130056GW00960X	M87768-44	1191-96-4	Cyclopropane, ethyl-	110	JN	12/1/2009	12/7/2009
M87768	130056GW00960X	M87768-44	513-36-0	Propane, 1-chloro-2-methyl-	200	JN	12/1/2009	12/7/2009
M87768	130056GW00965D	M87768-45	107-83-5	Pentane, 2-methyl-	55	JN	12/1/2009	12/7/2009
M87768	130056GW00965D	M87768-45	109-66-0	Pentane	270	JN	12/1/2009	12/7/2009
M87768	130056GW00965D	M87768-45	109-67-1	1-Pentene	150	JN	12/1/2009	12/7/2009
M87768	130056GW00965D	M87768-45	590-18-1	2-Butene, (Z)-	130	JN	12/1/2009	12/7/2009
M87768	130056GW00965D	M87768-45	78-78-4	Butane, 2-methyl-	87	JN	12/1/2009	12/7/2009

TABLE 3 - VOC TICs
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

SDG	Sample ID	Lab Sample ID	CAS No	Compound	Final Result (µg/L)	Qualifier	Sample Date	Analysis Date
M87768	130056GW00965X	M87768-46	107-83-5	Pentane, 2-methyl-	65	JN	12/1/2009	12/7/2009
M87768	130056GW00965X	M87768-46	109-66-0	Pentane	280	JN	12/1/2009	12/7/2009
M87768	130056GW00965X	M87768-46	109-97-7	Pyroole	75	JN	12/1/2009	12/7/2009
M87768	130056GW00965X	M87768-46	115-11-7	1-Propene, 2-methyl-	130	JN	12/1/2009	12/7/2009
M87768	130056GW00965X	M87768-46	1191-96-4	Cyclopropane, ethyl-	140	JN	12/1/2009	12/7/2009
M87768	130056GW00965X	M87768-46	78-78-4	Butane, 2-methyl-	120	JN	12/1/2009	12/7/2009
M87768	130056GW00970X	M87768-47	106-98-9	1-Butene	93	JN	12/1/2009	12/7/2009
M87768	130056GW00970X	M87768-47	109-66-0	Pentane	160	JN	12/1/2009	12/7/2009
M87768	130056GW00970X	M87768-47	5145-01-7	2(3H)-Furanone, dihydro-3,5-dimethyl-	97	JN	12/1/2009	12/7/2009
M87768	130056GW00970X	M87768-47	78-78-4	Butane, 2-methyl-	61	JN	12/1/2009	12/7/2009
M87768	130056GW00975X	M87768-48	109-66-0	Pentane	100	JN	12/1/2009	12/7/2009
M87768	130056GW00975X	M87768-48	5145-01-7	2(3H)-Furanone, dihydro-3,5-dimethyl-	57	JN	12/1/2009	12/7/2009
M87768	130056GW01055X	M87768-58	109-66-0	Pentane	210	JN	12/2/2009	12/8/2009
M87768	130056GW01055X	M87768-58	109-67-1	1-Pentene	130	JN	12/2/2009	12/8/2009
M87768	130056GW01055X	M87768-58	78-78-4	Butane, 2-methyl-	71	JN	12/2/2009	12/8/2009
M87768	130056GW00735X	M87768-6	109-66-0	Pentane	9.4	JN	12/1/2009	12/6/2009
M87768	130056GW01065X	M87768-60	1191-96-4	Cyclopropane, ethyl-	59	JN	12/2/2009	12/8/2009
M87768	130056GW01570X	M87768-64	109-67-1	1-Pentene	64	JN	12/1/2009	12/8/2009
M87768	130056GW01570X	M87768-64	86241-90-9	2,4,6-Trimethyl-5H-1,3,5-dithiazine	110	JN	12/1/2009	12/8/2009
M87768	130056GW01575X	M87768-65	1191-96-4	Cyclopropane, ethyl-	71	JN	12/1/2009	12/8/2009
M87768	130056GW01615X	M87768-67	109-67-1	1-Pentene	54	JN	12/2/2009	12/8/2009
M87768	130056GW01620X	M87768-68	106-88-7	Oxirane, ethyl-	72	JN	12/2/2009	12/8/2009
M87768	130056GW00740X	M87768-7	600-32-8	Butanoic acid, 2,3-dichloro-	9.7	JN	12/1/2009	12/6/2009
M87768	130056GW00740X	M87768-7	71-41-0	1-Pentanol	5.7	JN	12/1/2009	12/6/2009
M87768	130056GW01635X	M87768-71	106-88-7	Oxirane, ethyl-	70	JN	12/2/2009	12/8/2009
M87768	130056GW00745X	M87768-8	1191-96-4	Cyclopropane, ethyl-	7.6	JN	12/1/2009	12/6/2009
M87839	130056GW01255X	M87839-10	106-97-8	Butane	65	JN	12/4/2009	12/9/2009
M87839	130056GW01255X	M87839-10	1823-52-5	2-Oxetanone, 4,4-dimethyl-	75	JN	12/4/2009	12/9/2009
M87839	130056GW01255X	M87839-10	75-07-0	Acetaldehyde	66	JN	12/4/2009	12/9/2009
M87839	130056GW01260X	M87839-11	106-97-8	Butane	150	JN	12/4/2009	12/9/2009
M87839	130056GW01260X	M87839-11	109-66-0	Pentane	90	JN	12/4/2009	12/9/2009
M87839	130056GW01260X	M87839-11	111-27-3	1-Hexanol	57	JN	12/4/2009	12/9/2009
M87839	130056GW01260X	M87839-11	115-11-7	1-Propene, 2-methyl-	170	JN	12/4/2009	12/9/2009
M87839	130056GW01260X	M87839-11	5145-01-7	2(3H)-Furanone, dihydro-3,5-dimethyl-	58	JN	12/4/2009	12/9/2009
M87839	130056GW01260X	M87839-11	78-78-4	Butane, 2-methyl-	57	JN	12/4/2009	12/9/2009
M87839	130056GW01265X	M87839-12	106-97-8	Butane	170	JN	12/4/2009	12/9/2009
M87839	130056GW01265X	M87839-12	109-66-0	Pentane	74	JN	12/4/2009	12/9/2009
M87839	130056GW01265X	M87839-12	115-11-7	1-Propene, 2-methyl-	150	JN	12/4/2009	12/9/2009

TABLE 3 - VOC TICs
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

SDG	Sample ID	Lab Sample ID	CAS No	Compound	Final Result (µg/L)	Qualifier	Sample Date	Analysis Date
M87839	130056GW01265X	M87839-12	646-97-9	4-Penten-2-ol, 1,1,1-trifluoro-2-(triflu	56	JN	12/4/2009	12/9/2009
M87839	130056GW01275X	M87839-14	106-97-8	Butane	220	JN	12/4/2009	12/9/2009
M87839	130056GW01275X	M87839-14	106-98-9	1-Butene	50	JN	12/4/2009	12/9/2009
M87839	130056GW01275X	M87839-14	109-66-0	Pentane	85	JN	12/4/2009	12/9/2009
M87839	130056GW01275X	M87839-14	115-11-7	1-Propene, 2-methyl-	220	JN	12/4/2009	12/9/2009
M87839	130056GW01275X	M87839-14	115-11-7	1-Propene, 2-methyl-	71	JN	12/4/2009	12/9/2009
M87839	130056GW01320X	M87839-17	109-67-1	1-Pentene	66	JN	12/3/2009	12/8/2009
M87839	130056GW01325X	M87839-18	123-51-3	1-Butanol, 3-methyl-	56	JN	12/3/2009	12/9/2009
M87839	130056GW01330X	M87839-19	2402-06-4	Cyclopropane, 1,2-dimethyl-, trans-	54	JN	12/3/2009	12/9/2009
M87839	130056GW01335X	M87839-20	109-67-1	1-Pentene	53	JN	12/3/2009	12/9/2009
M87839	130056GW01340X	M87839-22	1708-29-8	Furan, 2,5-dihydro-	69	JN	12/3/2009	12/9/2009
M87839	130056GW01345X	M87839-23	123-51-3	1-Butanol, 3-methyl-	87	JN	12/3/2009	12/9/2009
M87839	130056GW01345X	M87839-23	598-61-8	Cyclobutane, methyl-	61	JN	12/3/2009	12/9/2009
M87839	130056GW01350X	M87839-24	5145-01-7	2(3H)-Furanone, dihydro-3,5-dimethyl-	53	JN	12/3/2009	12/9/2009
M87839	130056GW01350X	M87839-24	86241-90-9	2,4,6-Trimethyl-5H-1,3,5-dithiazine	79	JN	12/3/2009	12/9/2009
M87839	130056GW01355X	M87839-25	107-01-7	2-Butene	89	JN	12/3/2009	12/9/2009
M87839	130056GW01355X	M87839-25	1191-96-4	Cyclopropane, ethyl-	77	JN	12/3/2009	12/9/2009
M87839	130056GW01355X	M87839-25	2610-95-9	2H-Pyran-2-one, tetrahydro-6,6-dimethyl-	130	JN	12/3/2009	12/9/2009
M87839	130056GW01365X	M87839-27	109-67-1	1-Pentene	88	JN	12/3/2009	12/9/2009
M87839	130056GW01375X	M87839-29	109-66-0	Pentane	99	JN	12/3/2009	12/9/2009
M87839	130056GW01375X	M87839-29	1191-96-4	Cyclopropane, ethyl-	71	JN	12/3/2009	12/9/2009
M87839	130056GW01430X	M87839-34	71-41-0	1-Pentanol	57	JN	12/3/2009	12/9/2009
M87839	130056GW01435X	M87839-35	1191-96-4	Cyclopropane, ethyl-	53	JN	12/3/2009	12/9/2009
M87839	130056GW01460X	M87839-40	106-97-8	Butane	270	JN	12/3/2009	12/9/2009
M87839	130056GW01460X	M87839-40	107-83-5	Pentane, 2-methyl-	55	JN	12/3/2009	12/9/2009
M87839	130056GW01460X	M87839-40	109-66-0	Pentane	220	JN	12/3/2009	12/9/2009
M87839	130056GW01460X	M87839-40	115-11-7	1-Propene, 2-methyl-	82	JN	12/3/2009	12/9/2009
M87839	130056GW01460X	M87839-40	1191-96-4	Cyclopropane, ethyl-	130	JN	12/3/2009	12/9/2009
M87839	130056GW01460X	M87839-40	78-78-4	Butane, 2-methyl-	85	JN	12/3/2009	12/9/2009
M87839	130056GW01470X	M87839-43	106-97-8	Butane	230	JN	12/3/2009	12/9/2009
M87839	130056GW01470X	M87839-43	109-66-0	Pentane	120	JN	12/3/2009	12/9/2009
M87839	130056GW01470X	M87839-43	109-67-1	1-Pentene	65	JN	12/3/2009	12/9/2009
M87839	130056GW01470X	M87839-43	115-11-7	1-Propene, 2-methyl-	230	JN	12/3/2009	12/9/2009
M87839	130056GW01470X	M87839-43	115-11-7	1-Propene, 2-methyl-	71	JN	12/3/2009	12/9/2009
M87839	130056GW01470X	M87839-43	592-41-6	1-Hexene	120	JN	12/3/2009	12/9/2009
M87839	130056GW01480X	M87839-45	74-98-6	Propane	810	JN	12/3/2009	12/9/2009
M87839	130056GW01485X	M87839-46	106-97-8	Butane	330	JN	12/3/2009	12/9/2009
M87839	130056GW01485X	M87839-46	106-98-9	1-Butene	84	JN	12/3/2009	12/9/2009

TABLE 3 - VOC TICS
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

SDG	Sample ID	Lab Sample ID	CAS No	Compound	Final Result (µg/L)	Qualifier	Sample Date	Analysis Date
M87839	130056GW01485X	M87839-46	109-66-0	Pentane	140	JN	12/3/2009	12/9/2009
M87839	130056GW01485X	M87839-46	109-67-1	1-Pentene	59	JN	12/3/2009	12/9/2009
M87839	130056GW01485X	M87839-46	115-11-7	1-Propene, 2-methyl-	320	JN	12/3/2009	12/9/2009
M87839	130056GW01485X	M87839-46	115-11-7	1-Propene, 2-methyl-	98	JN	12/3/2009	12/9/2009
M87839	130056GW01485X	M87839-46	78-78-4	Butane, 2-methyl-	62	JN	12/3/2009	12/9/2009
M87839	130056GW01220D	M87839-47	106-97-8	Butane	120	JN	12/3/2009	12/9/2009
M87839	130056GW01220D	M87839-47	115-11-7	1-Propene, 2-methyl-	130	JN	12/3/2009	12/9/2009
M87839	130056GW01220D	M87839-47	16929-37-6	Benzoic acid, 3-[(1-carboxyethenyl)oxy]-	56	JN	12/3/2009	12/9/2009
M87839	130056GW01775X	M87839-47	71-41-0	1-Pentanol	59	JN	12/3/2009	12/9/2009
M87839	130056GW01775X	M87839-48	106-97-8	Butane	100	JN	12/4/2009	12/10/2009
M87839	130056GW01710X	M87839-50	640-19-7	Acetamide, 2-fluoro-	96	JN	12/4/2009	12/9/2009
M87839	130056GW01725X	M87839-54	5157-08-4	3(2H)-Pyridazinone, 4,5-dihydro-6-methyl	110	JN	12/4/2009	12/9/2009
M87839	130056GW01725X	M87839-54	624-64-6	2-Butene, (E)-	130	JN	12/4/2009	12/9/2009
M87839	130056GW01725X	M87839-54	823-22-3	2H-Pyran-2-one, tetrahydro-6-methyl-	56	JN	12/4/2009	12/9/2009
M87839	130056GW01730X	M87839-55	115-11-7	1-Propene, 2-methyl-	71	JN	12/4/2009	12/9/2009
M87839	130056GW01755X	M87839-60	109-66-0	Pentane	96	JN	12/4/2009	12/9/2009
M87839	130056GW01760X	M87839-61	109-66-0	Pentane	68	JN	12/4/2009	12/9/2009
M87839	130056GW01765X	M87839-62	109-66-0	Pentane	52	JN	12/4/2009	12/9/2009
M87839	130056GW01240X	M87839-7	5145-01-7	2(3H)-Furanone, dihydro-3,5-dimethyl-	57	JN	12/3/2009	12/8/2009
M87839	130056GW01245X	M87839-8	1191-96-4	Cyclopropane, ethyl-	58	JN	12/3/2009	12/8/2009
M87839	130056GW01250X	M87839-9	106-97-8	Butane	53	JN	12/4/2009	12/9/2009
M87839	130056GW01250X	M87839-9	1823-52-5	2-Oxetanone, 4,4-dimethyl-	68	JN	12/4/2009	12/9/2009
M87839	130056GW01250X	M87839-9	463-49-0	1,2-Propadiene	57	JN	12/4/2009	12/9/2009

TABLE 3 - SVOC TICs
 DATA USABILITY SUMMARY REPORT
 2009 DIRECT PUSH GROUNDWATER SAMPLING PROGRAM IN SUPPORT OF THE REMEDIAL INVESTIGATION/FEASIBILITY STUDY
 GENT UNIFORM RENTAL SERVICE SITE
 MASSAPEQUA, NEW YORK

SDG	Sample ID	Lab Sample ID	CAS No	Compound	Final Result (µg/L)	Qualifier	Sample Date	Analysis Date
M87036	130056GW00250X	M87036-11	1127-76-0	Naphthalene, 1-ethyl-	26	JN	11/3/2009	11/10/2009
M87036	130056GW00250X	M87036-11	203-80-5	1H-Phenylene	12	JN	11/3/2009	11/10/2009
M87036	130056GW00250X	M87036-11	558-37-2	1-Butene, 3,3-dimethyl-	13	JN	11/3/2009	11/10/2009
M87036	130056GW00250X	M87036-11	575-43-9	Naphthalene, 1,6-dimethyl-	36	JN	11/3/2009	11/10/2009
M87036	130056GW00250X	M87036-11	581-40-8	Naphthalene, 2,3-dimethyl-	15	JN	11/3/2009	11/10/2009
M87036	130056GW00250X	M87036-11	581-42-0	Naphthalene, 2,6-dimethyl-	13	JN	11/3/2009	11/10/2009
M87036	130056GW00250X	M87036-11	582-16-1	Naphthalene, 2,7-dimethyl-	25	JN	11/3/2009	11/10/2009
M87036	130056GW00250X	M87036-11	86-73-7	Fluorene	8.0	JN	11/3/2009	11/10/2009
M87036	130056GW00250X	M87036-11	90-43-7	o-Hydroxybiphenyl	30	JN	11/3/2009	11/10/2009
M87036	130056GW00250X	M87036-11	90-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	8.7	JN	11/3/2009	11/10/2009
M87036	130056GW00250X	M87036-11	91-57-6	Naphthalene, 2-methyl-	61	JN	11/3/2009	11/10/2009
M87036	130056GW00270X	M87036-6	1127-76-0	Naphthalene, 1-ethyl-	16	JN	11/3/2009	11/10/2009
M87036	130056GW00270X	M87036-6	2026-08-6	1,8-Naphthalenedimethanol	12	JN	11/3/2009	11/10/2009
M87036	130056GW00270X	M87036-6	203-80-5	1H-Phenylene	15	JN	11/3/2009	11/10/2009
M87036	130056GW00270X	M87036-6	581-40-8	Naphthalene, 2,3-dimethyl-	26	JN	11/3/2009	11/10/2009
M87036	130056GW00270X	M87036-6	581-40-8	Naphthalene, 2,3-dimethyl-	11	JN	11/3/2009	11/10/2009
M87036	130056GW00270X	M87036-6	581-42-0	Naphthalene, 2,6-dimethyl-	17	JN	11/3/2009	11/10/2009
M87036	130056GW00270X	M87036-6	593-45-3	Octadecane	12	JN	11/3/2009	11/10/2009
M87036	130056GW00270X	M87036-6	674-76-0	2-Pentene, 4-methyl-, (E)-	12	JN	11/3/2009	11/10/2009
M87036	130056GW00270X	M87036-6	779-02-2	Anthracene, 9-methyl-	13	JN	11/3/2009	11/10/2009
M87036	130056GW00270X	M87036-6	84-65-1	9,10-Anthracenedione	12	JN	11/3/2009	11/10/2009
M87036	130056GW00270X	M87036-6	90-43-7	o-Hydroxybiphenyl	82	JN	11/3/2009	11/10/2009
M87036	130056GW00270X	M87036-6	90-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	18	JN	11/3/2009	11/10/2009
M87036	130056GW00270X	M87036-6	91-57-6	Naphthalene, 2-methyl-	32	JN	11/3/2009	11/10/2009

**DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK**

1.0 INTRODUCTION

Groundwater samples were collected during sampling events completed in December 2010, and January and February 2011, at the Gent Uniform Rental Service Site (Site) in Massapequa, New York and submitted for analysis to Accutest Laboratories located in Marlborough, Massachusetts. Results were reported in Sample Delivery Groups (SDGs): M96612, M96680, and M97511. A listing of samples included in this Data Usability Summary Report is presented in Table 1. A summary of the analytical results is presented in Table 2. A summary of samples qualified during this review is presented in Table 3 (Summary of Validation Actions). Tentatively Identified Compounds (TICs) that were detected in samples are presented in Table 4. Samples were analyzed for one or more of the following parameters:

- Volatile organic compounds (VOC) by USEPA Method 8260B
- Semivolatile organic compounds (SVOC) by USEPA Method 8270C
- Metals by USEPA Method 6010B/7470

Deliverables for the off-site laboratory analyses included a Category B deliverable as defined in the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols (NYSDEC, 2005).

A project chemist review was completed based on NYSDEC Division of Environmental Remediation guidance for Data Usability Summary Reports (NYSDEC, 2010) for SDGs M96612, M96680, and M97511. USEPA Region 2 QC limits were used during the data evaluation unless noted otherwise (USEPA, 2006; USEPA, 2009). The project chemist review included evaluations of sample collection, data package completeness, holding times, QC data (blanks, instrument calibrations, duplicates, surrogate recovery, internal standard response, and spike recovery), data transcription, electronic data reporting, calculations, and data qualification.

The following laboratory or data validation qualifiers are used in the final data presentation.

U = target analyte is not detected at the reported detection limit

UJ = target analyte is not detected at the reported detection limit and is estimated

R = target analyte result is rejected

Results are interpreted to be usable as reported by the laboratory unless discussed in the following sections.

2.0 VOC

VOC - Initial and Continuing Calibration

A subset of VOC results have been qualified due to initial or continuing calibration data. Qualified sample results are summarized on Table 3 with reason codes ICVRSD, CCVRRF, or CCV%D. Qualification actions are described in the following subsections.

All SDGs

The percent differences between the relative response factors (RRFs) in the continuing calibration standard and the average RRFs in the initial calibration were calculated and reported by the laboratory. If regression (linear or quadratic) was used in the initial calibration, then the percent difference was calculated between the known continuing calibration standard concentration and the amount recovered in the continuing calibration standard analysis.

SDG M96612

The continuing calibration standard (analyzed December 16, 2010) associated with a subset of samples in SDG M96612 had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Bromomethane	30	UJ	130056GW02107X, 130056GW02112X,
Chloroethane	21	UJ	130056GW02117X, 130056GW02122X,
Isopropylbenzene	-24	UJ	130056GW02127X, 130056GW02132X, 130056GW02137X, 130056GW02142X, 130056GW02147X, 130056GW02152X, 130056GW02207X, 130056GW02212X

Bromomethane, chloroethane, and isopropylbenzene were not detected in the above samples and quantitation limits were qualified as estimated (UJ) as indicated in the above table.

The continuing calibration standard (analyzed December 17, 2010) associated with a subset of samples in SDG M96612 had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Chloroethane	32	UJ	130056GW02217X, 130056GW02222X,
Acetone	-41	UJ	130056GW02227X, 130056GW02232X,
Methyl acetate	-49	UJ	130056GW02237X, 130056GW02242X,
2-Butanone	-48	UJ	130056GW02247X, 130056GW02252X,
Carbon tetrachloride	-25	UJ	130056GW02412X, 130056GW02412D,
1,2-Dichloroethane	-33	UJ	130056GW02417X, 130056GW02422X,
t-1,3-Dichloropropene	-29	UJ	130056GW02422D, 130056GW02427X,
2-Hexanone	-40	UJ	130056GW02432X, 130056GW02437X,
Isopropylbenzene	-33	UJ	130056GW02442X
1,1,2,2-Tetrachloroethane	-22	UJ	
1,2-Dibromo-3-chloropropane	-36	UJ	

Analyte, cont'd	%D	Qual	Affected Samples, cont'd
1,2,4-Trichlorobenzene	-51	UJ	
Dichlorodifluoromethane	20.3	UJ	

The above analytes were not detected in the associated samples and quantitation limits were qualified as estimated (UJ) as indicated in the above table.

The continuing calibration standard (analyzed December 18, 2010, 11:57) associated with a subset of samples in SDG M96612 had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Dichlorodifluoromethane	34	UJ	130056GW02447X, 130056GW02452X,
Bromomethane	49	UJ	130056GW02512X, 130056GW02517X,
Chloroethane	-25	UJ	130056GW02522X, 130056GW02527X,
m,p-Xylene*	20.1	UJ	130056GW02532X, 130056GW02537X,
o-Xylene*	21	UJ	130056GW02542X, 130056GW02547X,
Bromoform	22	UJ	130056GW02552X, 130056GW02812X,
			130056GW02812D, 130056GW02817X,
			130056GW02822X, 130056GW02827X,
			130056GW02832X, 130056GW02837X,
			130056GW02842X

* Total Xylenes, not the individual isomers, were reported in the final data set and results were qualified as estimated (UJ).

The above analytes were not detected in the associated samples and quantitation limits were qualified as estimated (UJ) as indicated in the above table.

The continuing calibration standard (analyzed December 18, 2010, 13:39) associated with a subset of samples in SDG M96612 had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Dichlorodifluoromethane	25	UJ	130056GW02847X, 130056GW02852X,
Methyl acetate	-28	UJ	130056GW02912X, 130056GW02917X,
1,2-Dichloroethane	-33	UJ	130056GW02922X, 130056GW02927X,
trans-1,3-Dichloropropene	-23	UJ	130056GW02932X, 130056GW02937X,
Isopropylbenzene	-24	UJ	130056GW02942X, 130056GW02947X,
1,2,4-Trichlorobenzene	-21	UJ	130056GW02952X

The above analytes were not detected in the associated samples and quantitation limits were qualified as estimated (UJ) as indicated in the above table.

SDG M96680

The continuing calibration standard (analyzed December 18, 2010, 13:39) associated with a subset of samples in SDG M96680 had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Dichlorodifluoromethane	25	UJ	130056GW01812X, 130056GW01817X,
Methyl acetate	-28	UJ	130056GW01822X, 130056GW01827X,
1,2-Dichloroethane	-33	UJ	130056GW01832X, 130056GW01837X
trans-1,3-Dichloropropene	-23	UJ	
Isopropylbenzene	-24	UJ	As above
1,2,4-Trichlorobenzene	-21	UJ	

The above analytes were not detected in the associated samples and quantitation limits were qualified as estimated (UJ) as indicated in the above table.

The continuing calibration standard (analyzed December 20, 2010, 10:58) associated with a subset of samples in SDG M96680 had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Dichlorodifluoromethane	41	UJ	130056GW01842X, 130056GW01847X,
Bromomethane	29	UJ	130056GW01852X, 130056GW01912X,
Chloroethane	-46	UJ	130056GW01917X, 130056GW01922X,
			130056GW01927X, 130056GW01932X,
			130056GW01937X, 130056GW01942X,
			130056GW01947X, 130056GW01952X,
			130056GW02007X, 130056GW02017X,
			130056GW02017D

The above analytes were not detected in the associated samples and quantitation limits were qualified as estimated (UJ) as indicated in the above table.

The continuing calibration standard (analyzed December 20, 2010, 14:57) associated with a subset of samples in SDG M96680 had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Chloroethane	32	UJ	130056GW02022X, 130056GW02022D,
Methylene chloride	20.5	UJ	130056GW02027X, 130056GW03017X,
1,1-Dichloroethane	21	UJ	130056GW02032X, 130056GW02037X,
Carbon tetrachloride	-22	UJ	130056GW02042X, 130056GW02047X,
1,2-Dichloroethane	-25	UJ	130056GW02052X, 130056GW02317X,
Tetrachloroethene	-20.4	UJ	130056GW02322X, 130056GW02312X
Dibromochloromethane	-32	UJ	
Bromoform	-25	UJ	
1,2,4-Trichlorobenzene	-26	UJ	

The above analytes were not detected in the associated samples and quantitation limits were qualified as estimated (UJ) as indicated in the above table.

The continuing calibration standard (analyzed December 21, 2010, 16:04) associated with a subset of samples in SDG M96680 had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Dichlorodifluoromethane	-20.3	UJ	130056GW02327X, 130056GW02332X,
Chloromethane	-38	UJ	130056GW02337X, 130056GW02342X,
Chloroethane	-31	UJ	130056GW02347X, 130056GW02352X,
Methyl acetate	-43	UJ	130056GW02612X, 130056GW02617X,
4-Methyl-2-pentanone	-21	UJ	130056GW02622X, 130056GW02627X,
			130056GW02632X, 130056GW02637X,
			130056GW02642X, 130056GW02647X,
			130056GW02652X, 130056GW03012X,
			130056GW03022X

The above analytes were not detected in the associated samples and quantitation limits were qualified as estimated (UJ) as indicated in the above table.

The continuing calibration standard (analyzed December 21, 2010, 16:56) associated with a subset of samples in SDG M96680 had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Dichlorodifluoromethane	-38	UJ	130056GW03027X, 130056GW03032X,
Methyl acetate	21	UJ	130056GW03112X, 130056GW03042X,
Carbon tetrachloride	-31	UJ	130056GW03047X, 130056GW03052X,
1,2-Dichloroethane	-32	UJ	130056GW03117X, 130056GW03122X,
Dibromochloromethane	-28	UJ	130056GW03127X, 130056GW03132X,
1,2,4-Trichlorobenzene	-20.4	UJ	130056GW03137X, 130056GW03142X,
			130056GW03147X, 130056GW03152X,
			130056GW03037X

The above analytes were not detected in the associated samples and quantitation limits were qualified as estimated (UJ) as indicated in the above table.

SDG M97511

In the initial calibration (analyzed January 13, 2011) the average RRF for 2-butanone (0.033) was below the Region 2 control limit of 0.05. 2-Butanone was not detected in the associated samples and results were qualified as rejected (R) in the following samples:

130056MW00201404XX	130056MW08D07004XX
130056MW00301504XX	130056MW00903504XX
130056MW00401804XX	130056MW015S00904XX
130056AS00502204XX	130056MW015I02104XX
130056MW00601804XX	130056MW01602204XX
130056MW00701704XX	130056MW1RR01904XX
130056MW08S01604XX	130056MW2RR01704XX
130056MW08I03504XX	

The continuing calibration standard (analyzed February 4, 2011) associated with a subset of samples in SDG M97511 had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Dichlorodifluoromethane	-47	UJ	130056MW00201404XX,
Methyl acetate	20.3	UJ	130056MW00301504XX,
2-Butanone	31	R	130056MW00401804XX,
4-Methyl-2-pentanone	27	UJ	130056AS00502204XX,
2-Hexanone	27	UJ	130056MW00601804XX,
1,2-Dibromo-3-chloropropane	24	UJ	130056MW00701704XX,
			130056MW08S01604XX, 130056MW08I03504XX, 130056MW08D07004XX, 130056MW00903504XX, 130056MW015S00904XX, 130056MW015I02104XX, 130056MW01602204XX, 130056MW1RR01904XX, 130056MW2RR01704XX

The above analytes were not detected in the associated samples and quantitation limits were qualified as estimated (UJ) as indicated in the above table. In addition, the RRF for 2-butanone was less than 0.05. 2-Butanone was not detected in the above samples and results for 2-butanone were qualified as rejected (R).

The continuing calibration standard (analyzed February 7, 2011) associated with a subset of samples in SDG M97511 had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Acetone	-36	UJ	130056MW03A08404XX,
2-Butanone	-24	UJ	130056MW03B06204XX, 130056MW03C04804XX, 130056MW03D06704XX, 130056MW01002504XX, 130056MW01102504XX, 130056MW01102504XD, 130056MW01201204XX, 130056MW01301204XX, 130056MW01402004XX, 130056MW1RR01904XD, 130056MW4MM01504XX

The above analytes were not detected in the associated samples and quantitation limits were qualified as estimated (UJ) as indicated in the above table.

The continuing calibration standard (analyzed February 8, 2011) associated with a subset of samples in SDG M97511 had percent differences greater than the control limit of 20 for the following target analytes:

Analyte	%D	Qual	Affected Samples
Acetone	-37	UJ	130056MW5MM01604XX,
2-Butanone	-24	UJ	130056SW001XXX04XX

The above analytes were not detected in the associated samples and quantitation limits were qualified as estimated (UJ) as indicated in the above table.

VOC – Surrogates

A subset of VOC results have been qualified due to surrogate data. Qualified sample results are summarized on Table 3 with reason codes SS-L or SS-H. Qualification actions are described in the following subsections.

SDG M96680

Percent recoveries for surrogate bromofluorobenzene were outside control limits in samples 130056GW01822X (121) and 130056GW02017X (79). A high bias was indicated for sample 130056GW01822X, and the positive detection of tetrachloroethene was qualified as estimated (J). A slight low bias was indicated for sample 130056GW02017X. No target compounds were detected; therefore, quantitation limits for all target analytes were qualified as estimated (UJ).

VOC - Laboratory Control Samples (LCS)

A subset of VOC results have been qualified due LCS data. Qualified sample results are summarized on Table 3 with reason codes LCS-L or LCS-H. Qualification actions are described in the following subsections.

SDG M96612

In the LCS (analyzed December 16, 2010) associated with a subset of samples percent recoveries and/or relative percent differences (RPDs) between recoveries for the following target analytes were outside the Region 2 control limits:

Analyte	%R	RPD	Qualifier
2-Butanone	147	23	UJ
Carbon disulfide		24	UJ
Chloroethane		30	UJ
1,1-Dichloroethene		25	UJ
trans-1,2-Dichloroethene		22	UJ
Methylene chloride		23	J/UJ

Positive and/or non-detect results for the above target analytes in the following samples were qualified as estimated (J/UJ) as indicated in the table:

130056GW02107X	130056GW02137X
130056GW02112X	130056GW02142X
130056GW02117X	130056GW02147X
130056GW02122X	130056GW02152X
130056GW02127X	130056GW02207X
130056GW02132X	130056GW02212X

SDG M96680

In the LCS (analyzed December 20, 2010, 11:27) associated with a subset of samples percent recovery of dichlorodifluoromethane (55) was below the Region 2 control limits and resulted in data qualifiers. Dichlorodifluoromethane was not detected in the associated samples and quantitation limits for dichlorodifluoromethane were qualified as estimated (UJ) in the following samples:

130056GW01842X	130056GW01937X
130056GW01847X	130056GW01942X
130056GW01852X	130056GW01947X
130056GW01912X	130056GW01952X
130056GW01917X	130056GW02007X
130056GW01922X	130056GW02017X
130056GW01927X	130056GW02017D
130056GW01932X	

In the LCS (analyzed December 20, 2010, 14:57) associated with a subset of samples percent recovery of chloroethane (68) was below the Region 2 control limits. Chloroethane was not detected in the associated samples and quantitation limits for dichlorodifluoromethane were qualified as estimated (UJ) in the following samples:

130056GW02022X	130056GW02042X
130056GW02022D	130056GW02047X
130056GW02027X	130056GW02052X
130056GW03017X	130056GW02317X
130056GW02032X	130056GW02322X
130056GW02037X	130056GW02312X

In the LCS/LCSD (analyzed December 21, 2010, 17:27) associated with a subset of samples percent recovery of chloroethane (67) was below the Region 2 control limits. Chloroethane was not detected in the associated samples and quantitation limits for dichlorodifluoromethane were qualified as estimated (UJ) in the following samples:

130056GW03027X	130056GW03127X
130056GW03032X	130056GW03132X
130056GW03112X	130056GW03137X
130056GW03042X	130056GW03142X
130056GW03047X	130056GW03147X
130056GW03052X	130056GW03152X
130056GW03117X	130056GW03037X
130056GW03122X	

SDG M97511

In the LCS/LCSD (analyzed February 7, 2011) associated with a subset of samples percent recovery of isopropylbenzene (136) was above the Region 2 control limits of 70-130. The positive detection of isopropylbenzene in sample 130056MW4MM01504XX was qualified as estimated (J) and may represent a potential high bias.

VOC - Matrix Spikes (MS/MSD)

A subset of VOC results have been qualified due MS/MSD data. Qualified sample results are summarized on Table 3 with reason codes MS-L or MS-RPD. Qualification actions are described in the following subsections.

SDG M96612

Matrix spike and matrix spike duplicate (MS/MSD) analyses were performed on sample 130056GW02117X. Relative percent differences (RPDs) between percent recoveries for bromomethane (27) and chloroethane (22) were above the Region 2 control limit of 20. Bromomethane and chloroethane were not detected in sample 130056GW02117X and quantitation limits were qualified as estimated (UJ).

MS/MSD analyses were performed on sample 130056GW02222X. Percent recoveries for chloroethane (65) and methyl acetate (136) were outside Region 2 control limits of 70-130. RPDs between percent recoveries for bromomethane (35), chloroethane (26), chloromethane (31), methyl acetate (21), methylene chloride (21), and vinyl chloride (23) were above the Region 2 control limit of 20. These analytes were not detected in sample 130056GW02222X and quantitation limits were qualified as estimated (UJ).

MS/MSD analyses were performed on sample 130056GW02517X. Percent recoveries for methyl acetate (144, 178) and the RPD between percent recoveries for methyl acetate (21) were outside Region 2 control limits. Methyl acetate was not detected in sample 130056GW02517X and the quantitation limit was qualified as estimated (UJ).

SDG M96680

MS/MSD analyses were performed on sample 130056GW01817X. Percent recovery for 2-butanone (68) was below Region 2 control limits. 2-Butanone was not detected in sample 130056GW01817X and the quantitation limit was qualified as estimated (UJ).

MS/MSD analyses were performed on sample 130056GW01912X. Relative percent differences (RPDs) between percent recoveries for acetone (25) and bromomethane (23) were above the Region 2 control limit of 20. In addition, percent recovery of bromomethane (61) was below the control limits of 70-130. Bromomethane and acetone were not detected in sample 130056GW01912X and quantitation limits were qualified as estimated (UJ).

MS/MSD analyses were performed on sample 130056GW03017X. Percent recoveries for acetone (64, 62) and 2-butanone (68) were below Region 2 control limits of 70-130. Acetone and 2-butanone were not detected in sample 130056GW03017X and quantitation limits were qualified as estimated (UJ).

MS/MSD analyses were performed on sample 130056GW03112X. Percent recoveries for acetone (66, 66) and chloroethane (64) were below Region 2 control limits of 70-130. RPDs between percent recoveries for bromomethane (24) and chloromethane (22) were above the Region 2 control limit of 20. These analytes were not detected in sample 130056GW03112X and quantitation limits were qualified as estimated (UJ).

SDG M97511

MS/MSD analyses were performed on sample 130056MW00601804XX. The RPD between percent recoveries for 2-butanone (27) was above the Region 2 control limit of 20. 2-Butanone was not detected in sample 130056MW00601804XX and was previously qualified as rejected (R) due to low RRFs in the initial and continuing calibrations. No further qualification was required.

VOC – Field Duplicates

SDG M97511

Inconsistent results were obtained for trans-1,2-dichloroethene in the analyses of sample 130056MW1RR01904XX and field duplicate 130056MW1RR01904XD. trans-1,2-Dichloroethene was not detected in sample 130056MW1RR01904XX but was detected above the reporting limit in the field duplicate (4.5 ug/L). The positive and non-detected results for trans-1,2-dichloroethene in 130056MW1RR01904XX and 130056MW1RR01904XD were qualified as estimated (J/UJ).

VOC - Tentatively Identified Compounds

Final Tentatively Identified Compounds (TICs) results are summarized in Table 4.

SDG M96612

The target compound methylene chloride was incorrectly reported as a TIC in sample 130056GW02207X. The laboratory was contacted for resolution and reissued the methylene chloride result as a target compound concentration.

TICs included substituted alkanes, alkenes, and ketones and were reported in the following samples:

130056GW02212X	130056GW02512X
130056GW02237X	130056GW02517X
130056GW02252X	130056GW02522X
130056GW02427X	130056GW02527X
130056GW02447X	130056GW02532X
130056GW02452X	

SDG M96680

TICs included substituted alkanes, alkenes, and ketones and were reported in the following samples:

130056GW01847X	130056GW02327X
130056GW01852X	130056GW02332X
130056GW01927X	130056GW02612X
130056GW01947X	130056GW02617X
130056GW02017D	130056GW03037X

SDG M97511

The laboratory initially reported TICs for 2 of 3 VOC analytical sequences, omitting TICs for a subset of samples. The laboratory was contacted for follow up and reissued a corrected TIC summary.

TICs included substituted alkanes and alkenes and were reported in sample 130056MW4MM01504XX.

VOC - Target Compound Quantitation

All SDGs

The laboratory reported positive detections down to the reporting limit and not the method detection limit. Detections below the reporting limit were not included in the sample data summaries.

3.0 SVOC

SVOC - Initial and Continuing Calibration

SDG M97511

The continuing calibration standards (analyzed February 10-11, 2011) had percent differences greater than the control limit of 20 for 4-chloroaniline (42, 59) and n-nitrosodiphenylamine (22, 22). These analytes were not detected in the associated samples, and quantitation limits were qualified as estimated (UJ) in all samples in SDG M97511 except 130056MW00701704XX.

SVOC - Laboratory Control Samples

A subset of SVOC results have been qualified due LCS data. Qualified sample results are summarized on Table 3 with reason codes LCS-L or LCS-H. Qualification actions are described in the following subsections.

SDG M97511

In the LCS (analyzed February 10, 2011) associated with a subset of samples percent recoveries of caprolactam (26) and 4-chloroaniline (31) were below the Region 2 control limits of 50-140 and resulted in data qualifiers. Caprolactam and 4-chloroaniline were not detected in the associated samples and quantitation limits for these analytes were qualified as estimated (UJ) in the following samples:

130056MW00701704XX	130056MW1RR01904XD
130056MW015S00904XX	130056MW2RR01704XX
130056MW015I02104XX	130056MW4MM01504XX
130056MW01602204XX	130056MW5MM01604XX
130056MW1RR01904XX	130056SW001XXX04XX

In the LCS (analyzed February 11, 2011) associated with a subset of samples percent recoveries of caprolactam (31) and 4-chloroaniline (21) were below the Region 2 control limits of 50-140 and resulted in data qualifiers. Caprolactam and 4-chloroaniline were not detected in the associated samples and quantitation limits for these analytes were qualified as estimated (UJ) in the following samples:

130056MW00201404XX	130056MW08I03504XX
130056MW00301504XX	130056MW08D07004XX
130056MW03A08404XX	130056MW00903504XX
130056MW03B06204XX	130056MW01002504XX
130056MW03C04804XX	130056MW01102504XX
130056MW03D06704XX	130056MW01102504XD
Qualified Samples, cont'd.	
130056MW00401804XX	130056MW01201204XX
130056AS00502204XX	130056MW01301204XX
130056MW00601804XX	130056MW01402004XX
130056MW08S01604XX	

SVOC – Matrix Spikes

A subset of SVOC results have been qualified due MS/MSD data. Qualified sample results are summarized on Table 3 with reason codes MS-L or MS-RPD. Qualification actions are described in the following subsections.

SDG M97511

MS/MSD analyses were performed on sample 130056MW00701704XX. Percent recoveries for 4-chloroaniline (17, 35) and caprolactam (29, 32) were below control limits indicating potential low biases. In addition, RPDs between percent recoveries for 4-chloroaniline (67), 3,3'-dichlorobenzidine (27), and 3-nitroaniline (26) were above the control limit of 20. These analytes were not detected in sample 130056MW00701704XX, and quantitation limits were qualified as estimated (UJ).

MS/MSD analyses were performed on sample 130056MW00601804XX. Percent recoveries and/or RPDs between recoveries for the following target analytes were outside the Region 2 control limits and resulted in data qualifiers:

Analyte	MS %R	MSD%R	RPD	Qualifier
2-Chlorophenol			24	UJ
2-Methylphenol			23	UJ
2-Nitrophenol			21	UJ
Phenol			21	UJ
Acetophenone			22	UJ
Benzaldehyde			22	UJ
Caprolactam	26	21		UJ
4-Chloroaniline	18	16		UJ
bis(2-Chloroethoxy)methane			21	UJ
bis(2-Chloroethyl)ether			21	UJ
bis(2-Chloroisopropyl)ether			22	UJ
3,3'-Dichlorobenzidine	45	38		UJ

Analyte, cont'd	MS %R	MSD%R	RPD	Qualifier
Di-n-octyl phthalate			22	UJ
Hexachlorobutadiene			23	UJ
Hexachlorocyclopentadiene			23	UJ
Hexachloroethane			28	UJ
Isophorone			22	UJ
2-Methylnaphthalene			22	UJ
3-Nitroaniline	40	36		UJ
4-Nitroaniline			22	UJ
Naphthalene			22	UJ
Nitrobenzene			22	UJ
N-Nitroso-di-n-propylamine			21	UJ

The above target analytes were not detected in sample 130056MW00601804XX and quantitation limits were qualified as estimated (UJ) in the sample.

SVOC - Tentatively Identified Compounds

SDG M97511

Final TIC results are summarized in Table 4. The VOC target compound tetrachloroethene was reported as a tentatively identified compound (TIC) in several SVOC samples. Tetrachloroethene was also reported as target compound detections in the corresponding VOC samples. Blank contaminants, GC/MS artifacts, and tetrachloroethene were removed from the SVOC TICs during validation.

SVOC - Target Compound Quantitation

SDG M97511

The laboratory reported positive detections down to the reporting limit and not the method detection limit. Detections below the reporting limit were not reported.

4.0 METALS

Metals – Field Duplicates

SDG M97511

Inconsistent results were obtained for manganese in the analyses of sample 130056MW01602204XX and field duplicate 130056MW01602204XD. Manganese was not detected in the field duplicate but was detected above the reporting limit in the sample (15.3 ug/L). The positive and non-detected results for manganese in 130056MW01602204XX and 130056MW01602204XD were qualified as estimated (J/UJ).

Metals - Target Compound Quantitation

SDG M97511

The laboratory reported positive detections down to the reporting limit and not the instrument detection limit. Detections below the reporting limit were not reported.

Reference:

New York State Department of Environmental Conservation (NYSDEC), 2005. "Analytical Services Protocols"; July 2005.

New York State Department of Environmental Conservation (NYSDEC), 2010. "Technical Guidance for Site Investigation and Remediation-Appendix 2B"; DER-10; Division of Environmental Remediation; May 2010.

USEPA Region 2, 2006. "Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B"; SOP # HW-24, Revision 2, Hazardous Waste Support Branch; October 2006.

USEPA Region 2, 2009. "Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8270"; SOP # HW-22, Revision 4, Hazardous Waste Support Branch; August 2009.

Data Validator: Julie Ricardi



Date: March 11, 2011

Reviewed by Chris Ricardi, NRCC-EAC
Quality Assurance Officer



Date: March 22, 2011

TABLE 1
SUMMARY OF SAMPLES AND ANALYTICAL METHODS
DATA USABILITY SUMMARY REPORT
DEC 2010 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

						Class	VOC
						Analysis Method	SW8468260B
						Fraction	T
SDG	Media	Location	Sample ID	Sample Date	Qc Code		
M96612	GW	DP-21	130056GW02107X	12/13/2010	FS		X
M96612	GW	DP-21	130056GW02112X	12/13/2010	FS		X
M96612	GW	DP-21	130056GW02117X	12/13/2010	FS		X
M96612	GW	DP-21	130056GW02122X	12/13/2010	FS		X
M96612	GW	DP-21	130056GW02127X	12/13/2010	FS		X
M96612	GW	DP-21	130056GW02132X	12/13/2010	FS		X
M96612	GW	DP-21	130056GW02137X	12/13/2010	FS		X
M96612	GW	DP-21	130056GW02142X	12/13/2010	FS		X
M96612	GW	DP-21	130056GW02147X	12/13/2010	FS		X
M96612	GW	DP-21	130056GW02152X	12/13/2010	FS		X
M96612	GW	DP-22	130056GW02207X	12/13/2010	FS		X
M96612	GW	DP-22	130056GW02212X	12/13/2010	FS		X
M96612	GW	DP-22	130056GW02217X	12/13/2010	FS		X
M96612	GW	DP-22	130056GW02222X	12/13/2010	FS		X
M96612	GW	DP-22	130056GW02227X	12/13/2010	FS		X
M96612	GW	DP-22	130056GW02232X	12/13/2010	FS		X
M96612	GW	DP-22	130056GW02237X	12/13/2010	FS		X
M96612	GW	DP-22	130056GW02242X	12/13/2010	FS		X
M96612	GW	DP-22	130056GW02247X	12/13/2010	FS		X
M96612	GW	DP-22	130056GW02252X	12/13/2010	FS		X
M96612	GW	DP-24	130056GW02412D	12/14/2010	FD		X
M96612	GW	DP-24	130056GW02412X	12/14/2010	FS		X
M96612	GW	DP-24	130056GW02417X	12/14/2010	FS		X
M96612	GW	DP-24	130056GW02422D	12/14/2010	FD		X
M96612	GW	DP-24	130056GW02422X	12/14/2010	FS		X
M96612	GW	DP-24	130056GW02427X	12/14/2010	FS		X
M96612	GW	DP-24	130056GW02432X	12/14/2010	FS		X
M96612	GW	DP-24	130056GW02437X	12/14/2010	FS		X
M96612	GW	DP-24	130056GW02442X	12/14/2010	FS		X
M96612	GW	DP-24	130056GW02447X	12/14/2010	FS		X
M96612	GW	DP-24	130056GW02452X	12/14/2010	FS		X
M96612	GW	DP-25	130056GW02512X	12/14/2010	FS		X
M96612	GW	DP-25	130056GW02517X	12/14/2010	FS		X
M96612	GW	DP-25	130056GW02522X	12/14/2010	FS		X
M96612	GW	DP-25	130056GW02527X	12/14/2010	FS		X
M96612	GW	DP-25	130056GW02532X	12/14/2010	FS		X
M96612	GW	DP-25	130056GW02537X	12/14/2010	FS		X
M96612	GW	DP-25	130056GW02542X	12/14/2010	FS		X
M96612	GW	DP-25	130056GW02547X	12/14/2010	FS		X
M96612	GW	DP-25	130056GW02552X	12/14/2010	FS		X
M96612	GW	DP-28	130056GW02812D	12/14/2010	FD		X
M96612	GW	DP-28	130056GW02812X	12/14/2010	FS		X
M96612	GW	DP-28	130056GW02817X	12/14/2010	FS		X
M96612	GW	DP-28	130056GW02822X	12/14/2010	FS		X
M96612	GW	DP-28	130056GW02827X	12/14/2010	FS		X
M96612	GW	DP-28	130056GW02832X	12/14/2010	FS		X
M96612	GW	DP-28	130056GW02837X	12/14/2010	FS		X

TABLE 1
SUMMARY OF SAMPLES AND ANALYTICAL METHODS
DATA USABILITY SUMMARY REPORT
DEC 2010 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

						Class	VOC
						Analysis Method	SW8468260B
						Fraction	T
SDG	Media	Location	Sample ID	Sample Date	Qc Code		
M96612	GW	DP-28	130056GW02842X	12/14/2010	FS		X
M96612	GW	DP-28	130056GW02847X	12/14/2010	FS		X
M96612	GW	DP-28	130056GW02852X	12/14/2010	FS		X
M96612	GW	DP-29	130056GW02912X	12/14/2010	FS		X
M96612	GW	DP-29	130056GW02917X	12/14/2010	FS		X
M96612	GW	DP-29	130056GW02922X	12/14/2010	FS		X
M96612	GW	DP-29	130056GW02927X	12/14/2010	FS		X
M96612	GW	DP-29	130056GW02932X	12/14/2010	FS		X
M96612	GW	DP-29	130056GW02937X	12/14/2010	FS		X
M96612	GW	DP-29	130056GW02942X	12/14/2010	FS		X
M96612	GW	DP-29	130056GW02947X	12/14/2010	FS		X
M96612	GW	DP-29	130056GW02952X	12/14/2010	FS		X
M96612	BW	QC	130056TB1	12/13/2010	TB		X
M96680	GW	DP-18	130056GW01812X	12/15/2010	FS		X
M96680	GW	DP-18	130056GW01817X	12/15/2010	FS		X
M96680	GW	DP-18	130056GW01822X	12/15/2010	FS		X
M96680	GW	DP-18	130056GW01827X	12/15/2010	FS		X
M96680	GW	DP-18	130056GW01832X	12/15/2010	FS		X
M96680	GW	DP-18	130056GW01837X	12/15/2010	FS		X
M96680	GW	DP-18	130056GW01842X	12/15/2010	FS		X
M96680	GW	DP-18	130056GW01847X	12/15/2010	FS		X
M96680	GW	DP-18	130056GW01852X	12/15/2010	FS		X
M96680	GW	DP-19	130056GW01912X	12/15/2010	FS		X
M96680	GW	DP-19	130056GW01917X	12/15/2010	FS		X
M96680	GW	DP-19	130056GW01922X	12/15/2010	FS		X
M96680	GW	DP-19	130056GW01927X	12/15/2010	FS		X
M96680	GW	DP-19	130056GW01932X	12/15/2010	FS		X
M96680	GW	DP-19	130056GW01937X	12/15/2010	FS		X
M96680	GW	DP-19	130056GW01942X	12/15/2010	FS		X
M96680	GW	DP-19	130056GW01947X	12/15/2010	FS		X
M96680	GW	DP-19	130056GW01952X	12/15/2010	FS		X
M96680	GW	DP-20	130056GW02007X	12/15/2010	FS		X
M96680	GW	DP-20	130056GW02017D	12/15/2010	FD		X
M96680	GW	DP-20	130056GW02017X	12/15/2010	FS		X
M96680	GW	DP-20	130056GW02022D	12/15/2010	FD		X
M96680	GW	DP-20	130056GW02022X	12/15/2010	FS		X
M96680	GW	DP-20	130056GW02027X	12/15/2010	FS		X
M96680	GW	DP-20	130056GW02032X	12/15/2010	FS		X
M96680	GW	DP-20	130056GW02037X	12/15/2010	FS		X
M96680	GW	DP-20	130056GW02042X	12/15/2010	FS		X
M96680	GW	DP-20	130056GW02047X	12/15/2010	FS		X
M96680	GW	DP-20	130056GW02052X	12/15/2010	FS		X
M96680	GW	DP-23	130056GW02312X	12/15/2010	FS		X
M96680	GW	DP-23	130056GW02317X	12/15/2010	FS		X
M96680	GW	DP-23	130056GW02322X	12/15/2010	FS		X
M96680	GW	DP-23	130056GW02327X	12/15/2010	FS		X
M96680	GW	DP-23	130056GW02332X	12/15/2010	FS		X

TABLE 1
SUMMARY OF SAMPLES AND ANALYTICAL METHODS
DATA USABILITY SUMMARY REPORT
DEC 2010 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

						Class	VOC
						Analysis Method	SW8468260B
						Fraction	T
SDG	Media	Location	Sample ID	Sample Date	Qc Code		
M96680	GW	DP-23	130056GW02337X	12/15/2010	FS	X	
M96680	GW	DP-23	130056GW02342X	12/15/2010	FS	X	
M96680	GW	DP-23	130056GW02347X	12/15/2010	FS	X	
M96680	GW	DP-23	130056GW02352X	12/15/2010	FS	X	
M96680	GW	DP-26	130056GW02612X	12/16/2010	FS	X	
M96680	GW	DP-26	130056GW02617X	12/16/2010	FS	X	
M96680	GW	DP-26	130056GW02622X	12/16/2010	FS	X	
M96680	GW	DP-26	130056GW02627X	12/16/2010	FS	X	
M96680	GW	DP-26	130056GW02632X	12/16/2010	FS	X	
M96680	GW	DP-26	130056GW02637X	12/16/2010	FS	X	
M96680	GW	DP-26	130056GW02642X	12/16/2010	FS	X	
M96680	GW	DP-26	130056GW02647X	12/16/2010	FS	X	
M96680	GW	DP-26	130056GW02652X	12/16/2010	FS	X	
M96680	GW	DP-30	130056GW03012X	12/16/2010	FS	X	
M96680	GW	DP-30	130056GW03017X	12/16/2010	FS	X	
M96680	GW	DP-30	130056GW03022X	12/16/2010	FS	X	
M96680	GW	DP-30	130056GW03027X	12/16/2010	FS	X	
M96680	GW	DP-30	130056GW03032X	12/16/2010	FS	X	
M96680	GW	DP-30	130056GW03037X	12/16/2010	FS	X	
M96680	GW	DP-30	130056GW03042X	12/16/2010	FS	X	
M96680	GW	DP-30	130056GW03047X	12/16/2010	FS	X	
M96680	GW	DP-30	130056GW03052X	12/16/2010	FS	X	
M96680	GW	DP-31	130056GW03112X	12/16/2010	FS	X	
M96680	GW	DP-31	130056GW03117X	12/16/2010	FS	X	
M96680	GW	DP-31	130056GW03122X	12/16/2010	FS	X	
M96680	GW	DP-31	130056GW03127X	12/16/2010	FS	X	
M96680	GW	DP-31	130056GW03132X	12/16/2010	FS	X	
M96680	GW	DP-31	130056GW03137X	12/16/2010	FS	X	
M96680	GW	DP-31	130056GW03142X	12/16/2010	FS	X	
M96680	GW	DP-31	130056GW03147X	12/16/2010	FS	X	
M96680	GW	DP-31	130056GW03152X	12/16/2010	FS	X	
M96680	BW	QC	130056TB2	12/15/2010	TB	X	

FOOTNOTES:

QC CODE

FS = field sample, FD = field duplicate, TB = trip blank

Media

GW = groundwater, BW = blank water

TABLE 1
SUMMARY OF SAMPLES AND ANALYTICAL METHODS
DATA USABILITY SUMMARY REPORT
JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

						Class	VOC	SVOC	Metals	Metals
						Analysis Method	SW8468260B	SW8468270C	SW8467470A	SW8466010C
						Fraction	T	T	T	T
SDG	Media	Location	Sample ID	Sample Date	Qc Code					
M97511	GW	AS-5	130056AS00502204XX	1/31/2011	FS		X	X		
M97511	GW	MW-1 (RR)	130056MW1RR01904XD	2/1/2011	FD		X	X		
M97511	GW	MW-1 (RR)	130056MW1RR01904XX	2/1/2011	FS		X	X		
M97511	GW	MW-10	130056MW01002504XX	2/2/2011	FS		X	X	X	X
M97511	GW	MW-11	130056MW01102504XD	2/2/2011	FD		X	X		
M97511	GW	MW-11	130056MW01102504XX	2/2/2011	FS		X	X		
M97511	GW	MW-12	130056MW01201204XX	2/2/2011	FS		X	X		
M97511	GW	MW-13	130056MW01301204XX	2/2/2011	FS		X	X		
M97511	GW	MW-14	130056MW01402004XX	2/2/2011	FS		X	X		
M97511	GW	MW-15I	130056MW015I02104XX	2/1/2011	FS		X	X		
M97511	GW	MW-15S	130056MW015S00904XX	2/1/2011	FS		X	X		
M97511	GW	MW-16	130056MW01602204XD	2/1/2011	FD				X	X
M97511	GW	MW-16	130056MW01602204XX	2/1/2011	FS		X	X	X	X
M97511	GW	MW-2	130056MW00201404XX	1/31/2011	FS		X	X		
M97511	GW	MW-2 (RR)	130056MW2RR01704XX	1/31/2011	FS		X	X		
M97511	GW	MW-3	130056MW00301504XX	1/31/2011	FS		X	X		
M97511	GW	MW-3A	130056MW03A08404XX	2/2/2011	FS		X	X		
M97511	GW	MW-3B	130056MW03B06204XX	2/2/2011	FS		X	X	X	X
M97511	GW	MW-3C	130056MW03C04804XX	2/2/2011	FS		X	X		
M97511	GW	MW-3D	130056MW03D06704XX	2/2/2011	FS		X	X		
M97511	GW	MW-4	130056MW00401804XX	2/1/2011	FS		X	X		
M97511	GW	MW-4 (MM)	130056MW4MM01504XX	2/2/2011	FS		X	X		
M97511	GW	MW-5 (MM)	130056MW5MM01604XX	2/2/2011	FS		X	X		
M97511	GW	MW-6	130056MW00601804XX	1/31/2011	FS		X	X		
M97511	GW	MW-7	130056MW00701704XX	1/31/2011	FS		X	X		
M97511	GW	MW-8D	130056MW08D07004XX	2/1/2011	FS		X	X		
M97511	GW	MW-8I	130056MW08I03504XX	2/1/2011	FS		X	X		
M97511	GW	MW-8S	130056MW08S01604XX	2/1/2011	FS		X	X		
M97511	GW	MW-9	130056MW00903504XX	2/1/2011	FS		X	X		
M97511	GW	SW-1	130056SW001XXX04XX	2/2/2011	FS		X	X		
M97511	BW	QC	130056TB00104	1/31/2011	TB		X			

FOOTNOTES:

QC CODE

FS = field sample, FD = field duplicate, TB = trip blank

Media

GW = groundwater, BW = blank water

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
DEC 2010 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location		DP-21		DP-21		DP-21		DP-21		DP-21		DP-21		DP-21			
Sample Date		12/13/2010		12/13/2010		12/13/2010		12/13/2010		12/13/2010		12/13/2010		12/13/2010			
Sample ID		130056GW02107X		130056GW02112X		130056GW02117X		130056GW02122X		130056GW02127X		130056GW02132X		130056GW02137X		130056GW02142X	
Qc Code		FS		FS		FS		FS		FS		FS		FS		FS	
Analysis	Param Name	Units	Result	Qualifier													
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,1-Dichloroethene	ug/l	1	UJ													
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,2-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	2-Butanone	ug/l	5	UJ													
SW8468260B	2-Hexanone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Acetic acid, methyl ester	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Acetone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Benzene	ug/l	0.5	U													
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Bromoform	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Bromomethane	ug/l	2	UJ													
SW8468260B	Carbon disulfide	ug/l	5	UJ													
SW8468260B	Carbon tetrachloride	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Chlorodibromomethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Chloroethane	ug/l	2	UJ													
SW8468260B	Chloroform	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Chloromethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U													
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Dichlorodifluoromethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Isopropylbenzene	ug/l	5	UJ													
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Methylene chloride	ug/l	2	UJ													
SW8468260B	Styrene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Tetrachloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Toluene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	UJ													
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	U													
SW8468260B	Trichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Xylenes, Total	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	

Notes:
ug/L = microgram per liter
Qualifiers
U = not detected at the reporting limit
J = estimated concentration
QC Code
FS = Field Sample, FD = Field Duplicate, TB = Trip Blank

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
DEC 2010 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location		DP-21		DP-21		DP-22												
Sample Date		12/13/2010		12/13/2010		12/13/2010		12/13/2010		12/13/2010		12/13/2010		12/13/2010		12/13/2010		
Sample ID		130056GW02147X		130056GW02152X		130056GW02207X		130056GW02212X		130056GW02217X		130056GW02222X		130056GW02227X		130056GW02232X		
Qc Code		FS		FS		FS		FS		FS		FS		FS		FS		
Analysis	Param Name	Units	Result	Qualifier	Result	Qualifier												
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	5	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	5	U	1	U	1	UJ	1	UJ	1	UJ	1	UJ
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U	25	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	5	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	5	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	UJ	1	UJ	5	UJ	1	UJ	1	U	1	U	1	U	1	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	U	5	U	25	U	5	U	5	UJ	5	UJ	5	UJ	5	UJ
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	U	25	U	5	U	5	UJ	5	UJ	5	UJ	5	UJ
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	10	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	5	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	U	1	U	5	U	1	U	1	UJ	1	UJ	1	UJ	1	UJ
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	10	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	5	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	5	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	2-Butanone	ug/l	5	UJ	5	UJ	25	UJ	5	UJ								
SW8468260B	2-Hexanone	ug/l	5	U	5	U	25	U	5	U	5	UJ	5	UJ	5	UJ	5	UJ
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U	25	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Acetic acid, methyl ester	ug/l	5	U	5	U	25	U	5	U	5	UJ	5	UJ	5	UJ	5	UJ
SW8468260B	Acetone	ug/l	5	U	5	U	25	U	5	U	5	UJ	5	UJ	5	UJ	5	UJ
SW8468260B	Benzene	ug/l	0.5	U	0.5	U	2.5	U	0.5	U								
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	5	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromoform	ug/l	1	U	1	U	5	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromomethane	ug/l	2	UJ	2	UJ	10	UJ	2	UJ	2	U	2	UJ	2	UJ	2	UJ
SW8468260B	Carbon disulfide	ug/l	5	UJ	5	UJ	25	UJ	5	UJ	5	U	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	U	1	U	5	U	1	U	1	UJ	1	UJ	1	UJ	1	UJ
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	5	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	U	1	U	5	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloroethane	ug/l	2	UJ	2	UJ	10	UJ	2	UJ								
SW8468260B	Chloroform	ug/l	1	U	1	U	5	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloromethane	ug/l	2	U	2	U	10	U	2	U	2	U	2	UJ	2	UJ	2	UJ
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	5	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U	0.5	U	2.5	U	0.5	U								
SW8468260B	Cyclohexane	ug/l	5	U	5	U	25	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	U	2	U	10	U	2	U	2	UJ	2	UJ	2	UJ	2	UJ
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	5	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	5	UJ	5	UJ	25	UJ	5	UJ								
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	25	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	5	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	UJ	2	UJ	15	J	2	UJ	2	UJ	2	UJ	2	UJ	2	UJ
SW8468260B	Styrene	ug/l	5	U	5	U	25	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	1	U	1	U	5	U	1.1		1	U	1	U	1	U	1	U
SW8468260B	Toluene	ug/l	1	U	1	U	5	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	UJ	1	UJ	5	UJ	1	UJ	1	U	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	U	0.5	U	2.5	U	0.5	U	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ
SW8468260B	Trichloroethene	ug/l	1	U	1	U	5	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	U	5	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	5	U	1	U	1	U	1	UJ	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	1	U	1	U	5	U	1	U	1	U	1	U	1	U	1	U

Notes:
ug/L = microgram per liter
Qualifiers
U = not detected at the reporting limit
J = estimated concentration
QC Code
FS = Field Sample, FD = Field Duplicate, TB = Trip Blank

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
DEC 2010 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location		DP-22		DP-22		DP-22		DP-22		DP-24		DP-24		DP-24		DP-24		
Sample Date		12/13/2010		12/13/2010		12/13/2010		12/13/2010		12/14/2010		12/14/2010		12/14/2010		12/14/2010		
Sample ID		130056GW02237X		130056GW02242X		130056GW02247X		130056GW02252X		130056GW02412D		130056GW02412X		130056GW02417X		130056GW02422D		
Qc Code		FS		FS		FS		FS		FD		FS		FS		FD		
Analysis	Param Name	Units	Result	Qualifier	Result	Qualifier												
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	UJ	1	UJ												
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	UJ	5	UJ												
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	UJ	5	UJ												
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	UJ	1	UJ												
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	2-Butanone	ug/l	5	UJ	5	UJ												
SW8468260B	2-Hexanone	ug/l	5	UJ	5	UJ												
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Acetic acid, methyl ester	ug/l	5	UJ	5	UJ												
SW8468260B	Acetone	ug/l	5	UJ	5	UJ												
SW8468260B	Benzene	ug/l	0.5	U	0.5	U												
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromoform	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromomethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	UJ	1	UJ												
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloroethane	ug/l	2	UJ	2	UJ												
SW8468260B	Chloroform	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloromethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U	0.5	U												
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ	2	UJ												
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	5	UJ	5	UJ												
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	UJ	2	UJ												
SW8468260B	Styrene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Toluene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	UJ	0.5	UJ												
SW8468260B	Trichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U

Notes:
ug/L = microgram per liter
Qualifiers
U = not detected at the reporting limit
J = estimated concentration
QC Code
FS = Field Sample, FD = Field Duplicate, TB = Trip Blank

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
DEC 2010 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location		DP-24		DP-24		DP-24		DP-24		DP-24		DP-24		DP-24		DP-25		
Sample Date		12/14/2010		12/14/2010		12/14/2010		12/14/2010		12/14/2010		12/14/2010		12/14/2010		12/14/2010		
Sample ID		130056GW02422X		130056GW02427X		130056GW02432X		130056GW02437X		130056GW02442X		130056GW02447X		130056GW02452X		130056GW02512X		
Qc Code		FS		FS		FS		FS		FS		FS		FS		FS		
Analysis	Param Name	Units	Result	Qualifier	Result	Qualifier												
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	UJ	1	U	1	U	1	U								
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	UJ	5	U	5	U	5	U								
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	UJ	5	U	5	U	5	U								
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	UJ	1	U	1	U	1	U								
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	2-Butanone	ug/l	5	UJ	5	U	5	U	5	U								
SW8468260B	2-Hexanone	ug/l	5	UJ	5	U	5	U	5	U								
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Acetic acid, methyl ester	ug/l	5	UJ	5	U	5	U	5	U								
SW8468260B	Acetone	ug/l	5	UJ	5	U	5	U	5	U								
SW8468260B	Benzene	ug/l	0.5	U	0.5	U												
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromoform	ug/l	1	U	1	U	1	U	1	U	1	U	1	UJ	1	UJ	1	UJ
SW8468260B	Bromomethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	UJ	2	UJ	2	UJ
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	UJ	1	U	1	U	1	U								
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloroethane	ug/l	2	UJ	2	UJ												
SW8468260B	Chloroform	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloromethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U	0.5	U												
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ	2	UJ												
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	5	UJ	5	U	5	U	5	U								
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	UJ	2	U	2	U	2	U								
SW8468260B	Styrene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Toluene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	UJ	0.5	U	0.5	U	0.5	U								
SW8468260B	Trichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	1	U	1	U	1	U	1	U	1	U	1	UJ	1	UJ	1	UJ

Notes:
ug/L = microgram per liter
Qualifiers
U = not detected at the reporting limit
J = estimated concentration
QC Code
FS = Field Sample, FD = Field Duplicate, TB = Trip Blank

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
DEC 2010 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location			DP-25		DP-25		DP-25		DP-25		DP-25		DP-25		DP-25	
Sample Date			12/14/2010		12/14/2010		12/14/2010		12/14/2010		12/14/2010		12/14/2010		12/14/2010	
Sample ID			130056GW02517X		130056GW02522X		130056GW02527X		130056GW02532X		130056GW02537X		130056GW02542X		130056GW02547X	
Qc Code			FS		FS		FS		FS		FS		FS		FS	
Analysis	Param Name	Units	Result	Qualifier												
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	2-Butanone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	2-Hexanone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Acetic acid, methyl ester	ug/l	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Acetone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Benzene	ug/l	0.5	U												
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromoform	ug/l	1	UJ												
SW8468260B	Bromomethane	ug/l	2	UJ												
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloroethane	ug/l	2	UJ												
SW8468260B	Chloroform	ug/l	1	U	1.2	U	3.4	U	1	U	1	U	1	U	1	U
SW8468260B	Chloromethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U												
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ												
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Styrene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Toluene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	U												
SW8468260B	Trichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	1	UJ												

Notes:
ug/L = microgram per liter
Qualifiers
U = not detected at the reporting limit
J = estimated concentration
QC Code
FS = Field Sample, FD = Field Duplicate, TB = Trip Blank

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
DEC 2010 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location		DP-28		DP-28		DP-28		DP-28		DP-28		DP-28		DP-28		DP-28		
Sample Date		12/14/2010		12/14/2010		12/14/2010		12/14/2010		12/14/2010		12/14/2010		12/14/2010		12/14/2010		
Sample ID		130056GW02812D		130056GW02812X		130056GW02817X		130056GW02822X		130056GW02827X		130056GW02832X		130056GW02837X		130056GW02842X		
Qc Code		FD		FS														
Analysis	Param Name	Units	Result	Qualifier	Result	Qualifier												
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	2-Butanone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	2-Hexanone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Acetic acid, methyl ester	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Acetone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Benzene	ug/l	0.5	U	0.5	U												
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromoform	ug/l	1	UJ	1	UJ												
SW8468260B	Bromomethane	ug/l	2	UJ	2	UJ												
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloroethane	ug/l	2	UJ	2	UJ												
SW8468260B	Chloroform	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloromethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U	0.5	U												
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ	2	UJ												
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Styrene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Toluene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	U	0.5	U												
SW8468260B	Trichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	1	UJ	1	UJ												

Notes:
ug/L = microgram per liter
Qualifiers
U = not detected at the reporting limit
J = estimated concentration
QC Code
FS = Field Sample, FD = Field Duplicate, TB = Trip Blank

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
DEC 2010 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location		DP-28		DP-28		DP-29										
Sample Date		12/14/2010		12/14/2010		12/14/2010		12/14/2010		12/14/2010		12/14/2010		12/14/2010		
Sample ID		130056GW02847X		130056GW02852X		130056GW02912X		130056GW02917X		130056GW02922X		130056GW02927X		130056GW02932X		
Qc Code		FS		FS		FS		FS		FS		FS		FS		
Analysis	Param Name	Units	Result	Qualifier	Result	Qualifier										
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	UJ	5	UJ										
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	UJ	1	UJ										
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	2-Butanone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	2-Hexanone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Acetic acid, methyl ester	ug/l	5	UJ	5	UJ										
SW8468260B	Acetone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Benzene	ug/l	0.5	U	0.5	U										
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromoform	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromomethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloroethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Chloroform	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloromethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U	0.5	U										
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ	2	UJ										
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	5	UJ	5	UJ										
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Styrene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Toluene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	UJ	0.5	UJ										
SW8468260B	Trichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U

Notes:
ug/L = microgram per liter
Qualifiers
U = not detected at the reporting limit
J = estimated concentration
QC Code
FS = Field Sample, FD = Field Duplicate, TB = Trip Blank

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
DEC 2010 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location		DP-29	DP-29	DP-29	QC					
Sample Date		12/14/2010	12/14/2010	12/14/2010	12/13/2010					
Sample ID		130056GW02942X	130056GW02947X	130056GW02952X	130056TB1					
Qc Code		FS	FS	FS	TB					
Analysis	Param Name	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U	5	U	5	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U	1	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	UJ	5	UJ	5	UJ	5	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	UJ	1	UJ	1	UJ	1	U
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U
SW8468260B	2-Butanone	ug/l	5	U	5	U	5	U	5	U
SW8468260B	2-Hexanone	ug/l	5	U	5	U	5	U	5	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	U	5	U
SW8468260B	Acetic acid, methyl ester	ug/l	5	UJ	5	UJ	5	UJ	5	U
SW8468260B	Acetone	ug/l	5	U	5	U	5	U	5	U
SW8468260B	Benzene	ug/l	0.5	U	0.5	U	0.5	U	0.5	U
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	1	U	1	U
SW8468260B	Bromoform	ug/l	1	U	1	U	1	U	1	U
SW8468260B	Bromomethane	ug/l	2	U	2	U	2	U	2	U
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	U	1	U	1	U	1	U
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	U	1	U	1	U	1	U
SW8468260B	Chloroethane	ug/l	2	U	2	U	2	U	2	U
SW8468260B	Chloroform	ug/l	1	U	1	U	1	U	1	U
SW8468260B	Chloromethane	ug/l	2	U	2	U	2	U	2	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U	0.5	U	0.5	U	0.5	U
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ	2	UJ	2	UJ	2	U
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	5	UJ	5	UJ	5	UJ	5	U
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	U	2	U	2	U	2	U
SW8468260B	Styrene	ug/l	5	U	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	1	U	1	U	1	U	1	U
SW8468260B	Toluene	ug/l	1	U	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	UJ	0.5	UJ	0.5	UJ	0.5	U
SW8468260B	Trichloroethene	ug/l	1	U	1	U	1	U	1	U
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	U	1	U	1	U
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	1	U	1	U	1	U	1	U

Notes:

ug/L = microgram per liter

Qualifiers

U = not detected at the reporting limit

J = estimated concentration

QC Code

FS = Field Sample, FD = Field

Duplicate, TB = Trip Blank

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
DEC 2010 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location		DP-18		DP-18		DP-18		DP-18		DP-18		DP-18		DP-18		DP-18			
Sample Date		12/15/2010		12/15/2010		12/15/2010		12/15/2010		12/15/2010		12/15/2010		12/15/2010		12/15/2010			
Sample ID		130056GW01812X		130056GW01817X		130056GW01822X		130056GW01827X		130056GW01832X		130056GW01837X		130056GW01842X		130056GW01847X		130056GW01852X	
QC Code		FS		FS		FS		FS		FS		FS		FS		FS		FS	
Analysis	Param Name	Units	Result	Qualifier															
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	UJ															
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,2-Dichloroethane	ug/l	1	UJ															
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	2-Butanone	ug/l	5	U	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	2-Hexanone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Acetic acid, methyl ester	ug/l	5	UJ															
SW8468260B	Acetone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Benzene	ug/l	0.5	U															
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Bromoform	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Bromomethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	UJ	2	UJ	2	UJ	
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Carbon tetrachloride	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Chlorodibromomethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Chloroethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	UJ	2	UJ	2	UJ	
SW8468260B	Chloroform	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Chloromethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U															
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ															
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Isopropylbenzene	ug/l	5	UJ															
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Methylene chloride	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	
SW8468260B	Styrene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Tetrachloroethene	ug/l	1	U	11.6		2.8	J	1	U	1	U	1.5		1	U	1	U	
SW8468260B	Toluene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	UJ															
SW8468260B	Trichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Xylenes, Total	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	

Notes:
ug/L = microgram per liter
Qualifiers
U = not detected at the reporting limit
J = estimated concentration
B = blank contaminant
QC Code
FS = Field Sample, FD = Field Duplicate, TB = Trip Blank

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
DEC 2010 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location		DP-19		DP-19		DP-19		DP-19		DP-19		DP-19		DP-19		DP-19		
Sample Date		12/15/2010		12/15/2010		12/15/2010		12/15/2010		12/15/2010		12/15/2010		12/15/2010		12/15/2010		
Sample ID		130056GW01912X		130056GW01917X		130056GW01922X		130056GW01927X		130056GW01932X		130056GW01937X		130056GW01942X		130056GW01947X		
QC Code		FS		FS		FS		FS		FS		FS		FS		FS		
Analysis	Param Name	Units	Result	Qualifier	Result	Qualifier												
SW8468260B	1,1,1-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U		5 U		5 U		5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,1-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5 U		5 U		5 U		5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5 U		5 U		5 U		5 U		5 U		5 U		5 U		5 U	
SW8468260B	1,2-Dibromoethane	ug/l	2 U		2 U		2 U		2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloroethane	ug/l	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,2-Dichloropropane	ug/l	2 U		2 U		2 U		2 U		2 U		2 U		2 U		2 U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8468260B	1,4-Dichlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8468260B	2-Butanone	ug/l	5 U		5 U		5 U		5 U		5 U		5 U		5 U		5 U	
SW8468260B	2-Hexanone	ug/l	5 U		5 U		5 U		5 U		5 U		5 U		5 U		5 U	
SW8468260B	4-Methyl-2-pentanone	ug/l	5 U		5 U		5 U		5 U		5 U		5 U		5 U		5 U	
SW8468260B	Acetic acid, methyl ester	ug/l	5 U		5 U		5 U		5 U		5 U		5 U		5 U		5 U	
SW8468260B	Acetone	ug/l	5 UJ		5 U		5 U		5 U		5 U		5 U		5 U		5 U	
SW8468260B	Benzene	ug/l	0.5 U		0.5 U													
SW8468260B	Bromodichloromethane	ug/l	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromoform	ug/l	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8468260B	Bromomethane	ug/l	2 UJ		2 UJ													
SW8468260B	Carbon disulfide	ug/l	5 U		5 U		5 U		5 U		5 U		5 U		5 U		5 U	
SW8468260B	Carbon tetrachloride	ug/l	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorobenzene	ug/l	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chlorodibromomethane	ug/l	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloroethane	ug/l	2 UJ		2 UJ													
SW8468260B	Chloroform	ug/l	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8468260B	Chloromethane	ug/l	2 U		2 U		2 U		2 U		2 U		2 U		2 U		2 U	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5 U		0.5 U													
SW8468260B	Cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U		5 U		5 U		5 U	
SW8468260B	Dichlorodifluoromethane	ug/l	2 UJ		2 UJ													
SW8468260B	Ethyl benzene	ug/l	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8468260B	Isopropylbenzene	ug/l	5 U		5 U		5 U		5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl cyclohexane	ug/l	5 U		5 U		5 U		5 U		5 U		5 U		5 U		5 U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8468260B	Methylene chloride	ug/l	2 U		2 U		2 U		2 U		2 U		2 U		2 U		2 U	
SW8468260B	Styrene	ug/l	5 U		5 U		5 U		5 U		5 U		5 U		5 U		5 U	
SW8468260B	Tetrachloroethene	ug/l	1 U		1 U		1.6		1 U		1 U		1 U		1 U		1 U	
SW8468260B	Toluene	ug/l	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5 U		0.5 U													
SW8468260B	Trichloroethene	ug/l	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8468260B	Trichlorofluoromethane	ug/l	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8468260B	Vinyl chloride	ug/l	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	
SW8468260B	Xylenes, Total	ug/l	1 U		1 U		1 U		1 U		1 U		1 U		1 U		1 U	

Notes:
ug/L = microgram per liter
Qualifiers
U = not detected at the reporting limit
J = estimated concentration
B = blank contaminant
QC Code
FS = Field Sample, FD = Field Duplicate, TB = Trip Blank

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
DEC 2010 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location		DP-20		DP-20		DP-20		DP-20		DP-20		DP-20		DP-20		DP-20			
Sample Date		12/15/2010		12/15/2010		12/15/2010		12/15/2010		12/15/2010		12/15/2010		12/15/2010		12/15/2010			
Sample ID		130056GW02007X		130056GW02017D		130056GW02017X		130056GW02022D		130056GW02022X		130056GW02027X		130056GW02032X		130056GW02037X		130056GW02042X	
QC Code		FS		FD		FS		FD		FS									
Analysis	Param Name	Units	Result	Qualifier															
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U	5	UJ	5	U	5	U	5	U	5	U	5	U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	UJ											
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	U	5	U	5	UJ											
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	U	5	UJ	5	U	5	U	5	U	5	U	5	U	
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	UJ	2	U	2	U	2	U	2	U	2	U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,2-Dichloroethane	ug/l	1	U	1	U	1	UJ											
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	UJ	2	U	2	U	2	U	2	U	2	U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	
SW8468260B	2-Butanone	ug/l	5	U	5	U	5	UJ	5	U	5	U	5	U	5	U	5	U	
SW8468260B	2-Hexanone	ug/l	5	U	5	U	5	UJ	5	U	5	U	5	U	5	U	5	U	
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	UJ	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Acetic acid, methyl ester	ug/l	5	U	5	U	5	UJ	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Acetone	ug/l	5	U	5	U	5	UJ	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Benzene	ug/l	0.5	U	0.5	U	0.5	UJ	0.5	U									
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Bromoform	ug/l	1	U	1	U	1	UJ											
SW8468260B	Bromomethane	ug/l	2	UJ	2	UJ	2	UJ	2	U	2	U	2	U	2	U	2	U	
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	UJ	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Carbon tetrachloride	ug/l	1	U	1	U	1	UJ											
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Chlorodibromomethane	ug/l	1	U	1	U	1	UJ											
SW8468260B	Chloroethane	ug/l	2	UJ															
SW8468260B	Chloroform	ug/l	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Chloromethane	ug/l	2	U	2	U	2	UJ	2	U	2	U	2	U	2	U	2	U	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U	0.5	U	0.5	UJ	0.5	U									
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	UJ	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ	2	UJ	2	UJ	2	U	2	U	2	U	2	U	2	U	
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Isopropylbenzene	ug/l	5	U	5	U	5	UJ	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	UJ	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Methylene chloride	ug/l	2	U	2	U	2	UJ											
SW8468260B	Styrene	ug/l	5	U	5	U	5	UJ	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Tetrachloroethene	ug/l	1	U	1	U	1	UJ											
SW8468260B	Toluene	ug/l	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	U	0.5	U	0.5	UJ	0.5	U									
SW8468260B	Trichloroethene	ug/l	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Xylenes, Total	ug/l	1	U	1	U	1	UJ	1	U	1	U	1	U	1	U	1	U	

Notes:
ug/L = microgram per liter
Qualifiers
U = not detected at the reporting limit
J = estimated concentration
B = blank contaminant
QC Code
FS = Field Sample, FD = Field
Duplicate, TB = Trip Blank

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
DEC 2010 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location		DP-20		DP-20		DP-23												
Sample Date		12/15/2010		12/15/2010		12/15/2010		12/15/2010		12/15/2010		12/15/2010		12/15/2010		12/15/2010		
Sample ID		130056GW02047X		130056GW02052X		130056GW02312X		130056GW02317X		130056GW02322X		130056GW02327X		130056GW02332X		130056GW02337X		
QC Code		FS		FS		FS		FS		FS		FS		FS		FS		
Analysis	Param Name	Units	Result	Qualifier	Result	Qualifier												
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	UJ	1	UJ												
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	UJ	5	UJ												
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	UJ	1	UJ												
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	2-Butanone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	2-Hexanone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	U	5	U	5	UJ	5	UJ	5	UJ	5	UJ
SW8468260B	Acetic acid, methyl ester	ug/l	5	U	5	U	5	U	5	U	5	UJ	5	UJ	5	UJ	5	UJ
SW8468260B	Acetone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Benzene	ug/l	0.5	U	0.5	U												
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromoform	ug/l	1	UJ	1	UJ												
SW8468260B	Bromomethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	UJ	1	UJ												
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	UJ	1	UJ												
SW8468260B	Chloroethane	ug/l	2	UJ	2	UJ												
SW8468260B	Chloroform	ug/l	1	U	1	U	1	U	1.8	U	1	U	1	U	1	U	1	U
SW8468260B	Chloromethane	ug/l	2	U	2	U	2	U	2	U	2	UJ	2	UJ	2	UJ	2	UJ
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U	0.5	U												
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	U	2	U	2	U	2	U	2	UJ	2	UJ	2	UJ	2	UJ
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1.3	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	UJ	2	UJ												
SW8468260B	Styrene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	1	UJ	1	UJ												
SW8468260B	Toluene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	U	0.5	U												
SW8468260B	Trichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U

Notes:

ug/L = microgram per liter

Qualifiers

U = not detected at the reporting limit

J = estimated concentration

B = blank contaminant

QC Code

FS = Field Sample, FD = Field

Duplicate, TB = Trip Blank

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
DEC 2010 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location		DP-23		DP-23		DP-26												
Sample Date		12/15/2010		12/15/2010		12/16/2010		12/16/2010		12/16/2010		12/16/2010		12/16/2010		12/16/2010		
Sample ID		130056GW02347X		130056GW02352X		130056GW02612X		130056GW02617X		130056GW02622X		130056GW02627X		130056GW02632X		130056GW02642X		
QC Code		FS		FS		FS		FS		FS		FS		FS		FS		
Analysis	Param Name	Units	Result	Qualifier	Result	Qualifier												
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	2-Butanone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	2-Hexanone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5	UJ	5	UJ												
SW8468260B	Acetic acid, methyl ester	ug/l	5	UJ	5	UJ												
SW8468260B	Acetone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Benzene	ug/l	0.5	U	0.5	U												
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromoform	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromomethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloroethane	ug/l	2	UJ	2	UJ												
SW8468260B	Chloroform	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloromethane	ug/l	2	UJ	2	UJ												
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U	0.5	U												
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ	2	UJ												
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Styrene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Toluene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	U	0.5	U												
SW8468260B	Trichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U

Notes:
ug/L = microgram per liter
Qualifiers
U = not detected at the reporting limit
J = estimated concentration
B = blank contaminant
QC Code
FS = Field Sample, FD = Field Duplicate, TB = Trip Blank

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
DEC 2010 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location		DP-26		DP-26		DP-30													
Sample Date		12/16/2010		12/16/2010		12/16/2010		12/16/2010		12/16/2010		12/16/2010		12/16/2010		12/16/2010			
Sample ID		130056GW02647X		130056GW02652X		130056GW03012X		130056GW03017X		130056GW03022X		130056GW03027X		130056GW03032X		130056GW03037X		130056GW03042X	
QC Code		FS		FS		FS		FS		FS		FS		FS		FS		FS	
Analysis	Param Name	Units	Result	Qualifier															
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,2-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	2-Butanone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	2-Hexanone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Acetic acid, methyl ester	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Acetone	ug/l	5	U	5	U	7.4	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Benzene	ug/l	0.5	U															
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Bromoform	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Bromomethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Carbon tetrachloride	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Chlorodibromomethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Chloroethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	
SW8468260B	Chloroform	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Chloromethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U															
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Dichlorodifluoromethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Isopropylbenzene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Methylene chloride	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	
SW8468260B	Styrene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	
SW8468260B	Tetrachloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Toluene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	U															
SW8468260B	Trichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	
SW8468260B	Xylenes, Total	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	

Notes:
ug/L = microgram per liter
Qualifiers
U = not detected at the reporting limit
J = estimated concentration
B = blank contaminant
QC Code
FS = Field Sample, FD = Field Duplicate, TB = Trip Blank

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
DEC 2010 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location		DP-30		DP-30		DP-31												
Sample Date		12/16/2010		12/16/2010		12/16/2010		12/16/2010		12/16/2010		12/16/2010		12/16/2010		12/16/2010		
Sample ID		130056GW03047X		130056GW03052X		130056GW03112X		130056GW03117X		130056GW03122X		130056GW03127X		130056GW03132X		130056GW03137X		
QC Code		FS		FS		FS		FS		FS		FS		FS		FS		
Analysis	Param Name	Units	Result	Qualifier	Result	Qualifier												
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	UJ	5	UJ												
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	UJ	1	UJ												
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	2-Butanone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	2-Hexanone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Acetic acid, methyl ester	ug/l	5	UJ	5	UJ												
SW8468260B	Acetone	ug/l	5	U	5	U	5	UJ	5	UJ	5	U	5	U	5	U	5	U
SW8468260B	Benzene	ug/l	0.5	U	0.5	U												
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromoform	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromomethane	ug/l	2	U	2	U	2	UJ	2	U	2	U	2	U	2	U	2	U
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	UJ	1	UJ												
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	UJ	1	UJ												
SW8468260B	Chloroethane	ug/l	2	UJ	2	UJ												
SW8468260B	Chloroform	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloromethane	ug/l	2	U	2	U	2	UJ	2	U	2	U	2	U	2	U	2	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U	0.5	U												
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ	2	UJ												
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Styrene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Toluene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	U	0.5	U												
SW8468260B	Trichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U

Notes:
ug/L = microgram per liter
Qualifiers
U = not detected at the reporting limit
J = estimated concentration
B = blank contaminant
QC Code
FS = Field Sample, FD = Field
Duplicate, TB = Trip Blank

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
DEC 2010 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location		DP-31	DP-31	QC				
Sample Date		12/16/2010	12/16/2010	12/15/2010				
Sample ID		130056GW03147X	130056GW03152X	130056TB2				
Qc Code		FS	FS	TB				
Analysis	Param Name	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U	5	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	UJ	5	UJ	5	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	U	5	U
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	UJ	1	UJ	1	U
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U
SW8468260B	2-Butanone	ug/l	5	U	5	U	5	U
SW8468260B	2-Hexanone	ug/l	5	U	5	U	5	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	U
SW8468260B	Acetic acid, methyl ester	ug/l	5	UJ	5	UJ	5	U
SW8468260B	Acetone	ug/l	5	U	5	U	5	U
SW8468260B	Benzene	ug/l	0.5	U	0.5	U	0.5	U
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	1	U
SW8468260B	Bromoform	ug/l	1	U	1	U	1	U
SW8468260B	Bromomethane	ug/l	2	U	2	U	11.6	B
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	UJ	1	UJ	1	U
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	UJ	1	UJ	1	U
SW8468260B	Chloroethane	ug/l	2	UJ	2	UJ	2	U
SW8468260B	Chloroform	ug/l	1	U	1	U	1	U
SW8468260B	Chloromethane	ug/l	2	U	2	U	2	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U	0.5	U	0.5	U
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ	2	UJ	2	U
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	5	U	5	U	5	U
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	U	2	U	2	U
SW8468260B	Styrene	ug/l	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	1	U	1	U	1	U
SW8468260B	Toluene	ug/l	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	U	0.5	U	0.5	U
SW8468260B	Trichloroethene	ug/l	1	U	1	U	1	U
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	U	1	U
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	1	U	1	U	1	U

Notes:

ug/L = microgram per liter

Qualifiers

U = not detected at the reporting limit

J = estimated concentration

B = blank contaminant

QC Code

FS = Field Sample, FD = Field

Duplicate, TB = Trip Blank

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location			AS-5		MW-1 (RR)		MW-1 (RR)		MW-10		MW-11		MW-11		MW-12	
Sample Date			1/31/2011		2/1/2011		2/1/2011		2/2/2011		2/2/2011		2/2/2011		2/2/2011	
Sample ID			130056AS00502204XX		130056MW1RR01904XD		130056MW1RR01904XX		130056MW01002504XX		130056MW01102504XD		130056MW0102504XX		130056MW01201204XX	
Qc Code			FS		FD		FS		FS		FD		FS		FS	
Analysis	Param Name	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	UJ	5	U	5	UJ	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	2-Butanone	ug/l	R		5	UJ	R		5	UJ	5	UJ	5	UJ	5	UJ
SW8468260B	2-Hexanone	ug/l	5	UJ	5	U	5	UJ	5	U	5	U	5	U	5	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5	UJ	5	U	5	UJ	5	U	5	U	5	U	5	U
SW8468260B	Acetic acid, methyl ester	ug/l	5	UJ	5	U	5	UJ	5	U	5	U	5	U	5	U
SW8468260B	Acetone	ug/l	5	U	5	UJ	5	U	5	UJ	5	UJ	5	UJ	5	UJ
SW8468260B	Benzene	ug/l	0.5	U	0.5	U	0.5	U								
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromoform	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromomethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloroethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Chloroform	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloromethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	138		147		1	U	1	U	1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U	0.5	U	0.5	U								
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ	2	U	2	UJ	2	U	2	U	2	U	2	U
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Styrene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	1	U	281		300		165		116		121		1	U
SW8468260B	Toluene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	4.5	J	1	UJ	1	U	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	U	0.5	U	0.5	U								
SW8468260B	Trichloroethene	ug/l	1	U	108		124		5.8		1.9		2.1		1	U
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U

Notes:
ug/L = microgram per liter
Qualifiers
U = not detected at the reporting limit
J = estimated concentration
R = result is rejected
QC Code
FS = Field Sample, FD = Field Duplicate, TB = Trip Blank

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location			MW-13		MW-14		MW-15I		MW-15S		MW-16		MW-2		MW-2 (RR)	
Sample Date			2/2/2011		2/2/2011		2/1/2011		2/1/2011		2/1/2011		1/31/2011		1/31/2011	
Sample ID			130056MW01301204XX		130056MW01402004XX		130056MW015I02104XX		130056MW015S00904XX		130056MW01602204XX		130056MW0201404XX		130056MW2RR01704XX	
Qc Code			FS		FS		FS		FS		FS		FS		FS	
Analysis	Param Name	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	U	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	2-Butanone	ug/l	5	UJ	5	UJ		R		R		R		R		R
SW8468260B	2-Hexanone	ug/l	5	U	5	U	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ
SW8468260B	Acetic acid, methyl ester	ug/l	5	U	5	U	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ
SW8468260B	Acetone	ug/l	5	UJ	5	UJ	5	U	5	U	5	U	5	U	5	U
SW8468260B	Benzene	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromoform	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromomethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloroethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Chloroform	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	3.5	
SW8468260B	Chloromethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	U	2	U	2	UJ	2	UJ	2	UJ	2	UJ	2	UJ
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Styrene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	1	U	146		101		3.7		1	U	3.6		4.8	
SW8468260B	Toluene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW8468260B	Trichloroethene	ug/l	1	U	3.4		1.9		1	U	1	U	1	U	1	U
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U

Notes:
ug/L = microgram per liter
Qualifiers
U = not detected at the reporting limit
J = estimated concentration
R = result is rejected
QC Code
FS = Field Sample, FD = Field Duplicate, TB = Trip Blank

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location			MW-3		MW-3A		MW-3B		MW-3C		MW-3D		MW-4		MW-4 (MM)	
Sample Date			1/31/2011		2/2/2011		2/2/2011		2/2/2011		2/2/2011		2/1/2011		2/2/2011	
Sample ID			130056MW00301504XX		130056MW03A08404XX		130056MW03B06204XX		130056MW03C04804XX		130056MW03D06704XX		130056MW0401804XX		130056MW4MM01504XX	
Qc Code			FS		FS		FS		FS		FS		FS		FS	
Analysis	Param Name	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier								
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	4.4	
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	UJ	5	U	5	U	5	U	5	U	5	UJ	5	U
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	2-Butanone	ug/l	R		5	UJ	5	UJ	5	UJ	5	UJ	R		5	UJ
SW8468260B	2-Hexanone	ug/l	5	UJ	5	U	5	U	5	U	5	U	5	UJ	5	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5	UJ	5	U	5	U	5	U	5	U	5	UJ	5	U
SW8468260B	Acetic acid, methyl ester	ug/l	5	UJ	5	U	5	U	5	U	5	U	5	UJ	5	U
SW8468260B	Acetone	ug/l	5	U	5	UJ	5	UJ	5	UJ	5	UJ	5	U	5	UJ
SW8468260B	Benzene	ug/l	0.5	U	0.5	U	0.5	U								
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromoform	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromomethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloroethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Chloroform	ug/l	11.7		1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloromethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	11100	
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U	0.5	U	0.5	U								
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	48.3	
SW8468260B	Dichlorodifluoromethane	ug/l	2	UJ	2	U	2	U	2	U	2	U	2	UJ	2	U
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	96.9	
SW8468260B	Isopropylbenzene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	49.4	J
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	50.8	
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Styrene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	3.2		13.4		11.1		1	U	85.7		7.7		2.2	
SW8468260B	Toluene	ug/l	1	U	1.1		1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	182	
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	U	0.5	U	0.5	U								
SW8468260B	Trichloroethene	ug/l	1	U	1	U	1	U	1	U	6.7		1	U	4.1	
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	4	
SW8468260B	Xylenes, Total	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	46.1	

Notes:
ug/L = microgram per liter
Qualifiers
U = not detected at the reporting limit
J = estimated concentration
R = result is rejected
QC Code
FS = Field Sample, FD = Field Duplicate, TB = Trip Blank

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location			MW-5 (MM)		MW-6		MW-7		MW-8D		MW-8I		MW-8S		MW-9	
Sample Date			2/2/2011		1/31/2011		1/31/2011		2/1/2011		2/1/2011		2/1/2011		2/1/2011	
Sample ID			130056MW5MM01604XX		130056MW00601804XX		130056MW00701704XX		130056MW08D07004XX		130056MW08I03504XX		130056MW08S01604XX		130056MW00903504XX	
Qc Code			FS		FS		FS		FS		FS		FS		FS	
Analysis	Param Name	Units	Result	Qualifier												
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,1,2-Tetrachloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	UJ										
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	2-Butanone	ug/l	5	UJ		R		R		R		R		R		R
SW8468260B	2-Hexanone	ug/l	5	UJ												
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	UJ										
SW8468260B	Acetic acid, methyl ester	ug/l	5	U	5	UJ										
SW8468260B	Acetone	ug/l	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Benzene	ug/l	0.5	U												
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromoform	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Bromomethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Carbon disulfide	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloroethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Chloroform	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Chloromethane	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U												
SW8468260B	Cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	U	2	UJ										
SW8468260B	Ethyl benzene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U	1	U	1.8		1	U	1.4	
SW8468260B	Methylene chloride	ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW8468260B	Styrene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	6.6		253	
SW8468260B	Toluene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	U												
SW8468260B	Trichloroethene	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	6.6	
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	1	U	1	U	1	U	1	U	1	U	1	U	1	U

Notes:
ug/L = microgram per liter
Qualifiers
U = not detected at the reporting limit
J = estimated concentration
R = result is rejected
QC Code
FS = Field Sample, FD = Field Duplicate, TB = Trip Blank

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location			QC		SW-1	
Sample Date			1/31/2011		2/2/2011	
Sample ID			130056TB00104		130056SW001XXX04XX	
Qc Code			TB		FS	
Analysis	Param Name	Units	Result	Qualifier	Result	Qualifier
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	U	5	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	U
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	U	1	U
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U
SW8468260B	2-Butanone	ug/l	5	U	5	UJ
SW8468260B	2-Hexanone	ug/l	5	U	5	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U
SW8468260B	Acetic acid, methyl ester	ug/l	5	U	5	U
SW8468260B	Acetone	ug/l	5	U	5	UJ
SW8468260B	Benzene	ug/l	0.5	U	0.5	U
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U
SW8468260B	Bromoform	ug/l	1	U	1	U
SW8468260B	Bromomethane	ug/l	2	U	2	U
SW8468260B	Carbon disulfide	ug/l	5	U	5	U
SW8468260B	Carbon tetrachloride	ug/l	1	U	1	U
SW8468260B	Chlorobenzene	ug/l	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	U	1	U
SW8468260B	Chloroethane	ug/l	2	U	2	U
SW8468260B	Chloroform	ug/l	1	U	1	U
SW8468260B	Chloromethane	ug/l	2	U	2	U
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U	0.5	U
SW8468260B	Cyclohexane	ug/l	5	U	5	U
SW8468260B	Dichlorodifluoromethane	ug/l	2	U	2	U
SW8468260B	Ethyl benzene	ug/l	1	U	1	U
SW8468260B	Isopropylbenzene	ug/l	5	U	5	U
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	U	2	U
SW8468260B	Styrene	ug/l	5	U	5	U
SW8468260B	Tetrachloroethene	ug/l	1	U	1	U
SW8468260B	Toluene	ug/l	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	U	0.5	U
SW8468260B	Trichloroethene	ug/l	1	U	1	U
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	U
SW8468260B	Vinyl chloride	ug/l	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	1	U	1	U

Notes:

ug/L = microgram per liter

Qualifiers

U = not detected at the reporting limit

J = estimated concentration

R = result is rejected

QC Code

FS = Field Sample, FD = Field

Duplicate, TB = Trip Blank

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location			AS-5		MW-1 (RR)		MW-1 (RR)		MW-10		MW-11		MW-11	
Sample Date			1/31/2011		2/1/2011		2/1/2011		2/2/2011		2/2/2011		2/2/2011	
Sample ID			130056AS00502204XX		130056MW1RR01904XD		130056MW1RR01904XX		130056MW01002504XX		130056MW01102504XD		130056MW01102504XX	
Qc Code			FS		FD		FS		FS		FD		FS	
Analysis	Param Name	Units	Result	Qualifier										
SW8468270C	2,4,5-Trichlorophenol	ug/l	10	U	11	U	10	U	10	U	10	U	10	U
SW8468270C	2,4,6-Trichlorophenol	ug/l	10	U	11	U	10	U	10	U	10	U	10	U
SW8468270C	2,4-Dichlorophenol	ug/l	10	U	11	U	10	U	10	U	10	U	10	U
SW8468270C	2,4-Dimethylphenol	ug/l	10	U	11	U	10	U	10	U	10	U	10	U
SW8468270C	2,4-Dinitrophenol	ug/l	20	U	21	U	21	U	20	U	20	U	20	U
SW8468270C	2,4-Dinitrotoluene	ug/l	10	U	11	U	10	U	10	U	10	U	10	U
SW8468270C	2,6-Dinitrotoluene	ug/l	10	U	11	U	10	U	10	U	10	U	10	U
SW8468270C	2-Chloronaphthalene	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	2-Chlorophenol	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	2-Methylnaphthalene	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	2-Methylphenol	ug/l	10	U	11	U	10	U	10	U	10	U	10	U
SW8468270C	2-Nitroaniline	ug/l	10	U	11	U	10	U	10	U	10	U	10	U
SW8468270C	2-Nitrophenol	ug/l	10	U	11	U	10	U	10	U	10	U	10	U
SW8468270C	3 & 4 Methylphenol	ug/l	10	U	11	U	10	U	10	U	10	U	10	U
SW8468270C	3,3'-Dichlorobenzidine	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	3-Nitroaniline	ug/l	10	U	11	U	10	U	10	U	10	U	10	U
SW8468270C	4,6-Dinitro-2-methylphenol	ug/l	10	U	11	U	10	U	10	U	10	U	10	U
SW8468270C	4-Bromophenyl phenyl ether	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	4-Chloro-3-methylphenol	ug/l	10	U	11	U	10	U	10	U	10	U	10	U
SW8468270C	4-Chloroaniline	ug/l	10	UJ	11	UJ	10	UJ	10	UJ	10	UJ	10	UJ
SW8468270C	4-Chlorophenyl phenyl ether	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	4-Nitroaniline	ug/l	10	U	11	U	10	U	10	U	10	U	10	U
SW8468270C	4-Nitrophenol	ug/l	20	U	21	U	21	U	20	U	20	U	20	U
SW8468270C	Acenaphthene	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Acenaphthylene	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Acetophenone	ug/l	10	U	11	U	10	U	10	U	10	U	10	U
SW8468270C	Anthracene	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Atrazine	ug/l	10	U	11	U	10	U	10	U	10	U	10	U
SW8468270C	Benzaldehyde	ug/l	20	U	21	U	21	U	20	U	20	U	20	U
SW8468270C	Benzo(a)anthracene	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Benzo(a)pyrene	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Benzo(b)fluoranthene	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Benzo(ghi)perylene	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Benzo(k)fluoranthene	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Biphenyl	ug/l	10	U	11	U	10	U	10	U	10	U	10	U
SW8468270C	Bis(2-Chloroethoxy)methane	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Bis(2-Chloroethyl)ether	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Bis(2-Chloroisopropyl)ether	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Bis(2-Ethylhexyl)phthalate	ug/l	2	U	2.1	U	2.1	U	2	U	2	U	2	U
SW8468270C	Butylbenzylphthalate	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Caprolactum	ug/l	10	UJ	11	UJ	10	UJ	10	UJ	10	UJ	10	UJ
SW8468270C	Carbazole	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Chrysene	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Di-n-butylphthalate	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location		AS-5		MW-1 (RR)		MW-1 (RR)		MW-10		MW-11		MW-11		
Sample Date		1/31/2011		2/1/2011		2/1/2011		2/2/2011		2/2/2011		2/2/2011		
Sample ID		130056AS00502204XX		130056MW1RR01904XD		130056MW1RR01904XX		130056MW01002504XX		130056MW01102504XD		130056MW01102504XX		
Qc Code		FS		FD		FS		FS		FD		FS		
Analysis	Param Name	Units	Result	Qualifier	Result	Qualifier								
SW8468270C	Di-n-octylphthalate	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Dibenz(a,h)anthracene	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Dibenzofuran	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Diethylphthalate	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Dimethylphthalate	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Fluoranthene	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Fluorene	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Hexachlorobenzene	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Hexachlorobutadiene	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Hexachlorocyclopentadiene	ug/l	10	U	11	U	10	U	10	U	10	U	10	U
SW8468270C	Hexachloroethane	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Indeno(1,2,3-cd)pyrene	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Isophorone	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	N-Nitrosodi-n-propylamine	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	N-Nitrosodiphenylamine	ug/l	5	UJ	5.3	UJ	5.2	UJ	5	UJ	5	UJ	5.1	UJ
SW8468270C	Naphthalene	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Nitrobenzene	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Pentachlorophenol	ug/l	10	U	11	U	10	U	10	U	10	U	10	U
SW8468270C	Phenanthrene	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Phenol	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U
SW8468270C	Pyrene	ug/l	5	U	5.3	U	5.2	U	5	U	5	U	5.1	U

Notes:

ug/L = microgram per liter

Qualifiers

U = not detected at the reporting limit

J = estimated concentration

QC Code

FS = Field Sample, FD = Field

Duplicate

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location			MW-12		MW-13		MW-14		MW-15I		MW-15S		MW-16	
Sample Date			2/2/2011		2/2/2011		2/2/2011		2/1/2011		2/1/2011		2/1/2011	
Sample ID			130056MW01201204XX		130056MW01301204XX		130056MW01402004XX		130056MW015I02104XX		130056MW015S00904XX		130056MW01602204XX	
Qc Code			FS		FS		FS		FS		FS		FS	
Analysis	Param Name	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8468270C	2,4,5-Trichlorophenol	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
SW8468270C	2,4,6-Trichlorophenol	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
SW8468270C	2,4-Dichlorophenol	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
SW8468270C	2,4-Dimethylphenol	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
SW8468270C	2,4-Dinitrophenol	ug/l	20	U	20	U	20	U	20	U	20	U	20	U
SW8468270C	2,4-Dinitrotoluene	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
SW8468270C	2,6-Dinitrotoluene	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
SW8468270C	2-Chloronaphthalene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	2-Chlorophenol	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	2-Methylnaphthalene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	2-Methylphenol	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
SW8468270C	2-Nitroaniline	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
SW8468270C	2-Nitrophenol	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
SW8468270C	3 & 4 Methylphenol	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
SW8468270C	3,3'-Dichlorobenzidine	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	3-Nitroaniline	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
SW8468270C	4,6-Dinitro-2-methylphenol	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
SW8468270C	4-Bromophenyl phenyl ether	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	4-Chloro-3-methylphenol	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
SW8468270C	4-Chloroaniline	ug/l	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
SW8468270C	4-Chlorophenyl phenyl ether	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	4-Nitroaniline	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
SW8468270C	4-Nitrophenol	ug/l	20	U	20	U	20	U	20	U	20	U	20	U
SW8468270C	Acenaphthene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Acenaphthylene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Acetophenone	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
SW8468270C	Anthracene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Atrazine	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
SW8468270C	Benzaldehyde	ug/l	20	U	20	U	20	U	20	U	20	U	20	U
SW8468270C	Benzo(a)anthracene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Benzo(a)pyrene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Benzo(b)fluoranthene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Benzo(ghi)perylene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Benzo(k)fluoranthene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Biphenyl	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
SW8468270C	Bis(2-Chloroethoxy)methane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Bis(2-Chloroethyl)ether	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Bis(2-Chloroisopropyl)ether	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Bis(2-Ethylhexyl)phthalate	ug/l	2	U	2	U	2	U	2	U	2	U	2	U
SW8468270C	Butylbenzylphthalate	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Caprolactum	ug/l	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
SW8468270C	Carbazole	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Chrysene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Di-n-butylphthalate	ug/l	5	U	5	U	5	U	5	U	5	U	5	U

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location			MW-12		MW-13		MW-14		MW-15I		MW-15S		MW-16	
Sample Date			2/2/2011		2/2/2011		2/2/2011		2/1/2011		2/1/2011		2/1/2011	
Sample ID			130056MW01201204XX		130056MW01301204XX		130056MW01402004XX		130056MW015I02104XX		130056MW015S00904XX		130056MW01602204XX	
Qc Code			FS		FS		FS		FS		FS		FS	
Analysis	Param Name	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8468270C	Di-n-octylphthalate	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Dibenz(a,h)anthracene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Dibenzofuran	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Diethylphthalate	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Dimethylphthalate	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Fluoranthene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Fluorene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Hexachlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Hexachlorobutadiene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Hexachlorocyclopentadiene	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
SW8468270C	Hexachloroethane	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Indeno(1,2,3-cd)pyrene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Isophorone	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	N-Nitrosodi-n-propylamine	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	N-Nitrosodiphenylamine	ug/l	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ
SW8468270C	Naphthalene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Nitrobenzene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Pentachlorophenol	ug/l	10	U	10	U	10	U	10	U	10	U	10	U
SW8468270C	Phenanthrene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Phenol	ug/l	5	U	5	U	5	U	5	U	5	U	5	U
SW8468270C	Pyrene	ug/l	5	U	5	U	5	U	5	U	5	U	5	U

Notes:

ug/L = microgram per liter

Qualifiers

U = not detected at the reporting limit

J = estimated concentration

QC Code

FS = Field Sample, FD = Field

Duplicate

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location			MW-2		MW-2 (RR)		MW-3		MW-3A		MW-3B		MW-3C	
Sample Date			1/31/2011		1/31/2011		1/31/2011		2/2/2011		2/2/2011		2/2/2011	
Sample ID			130056MW00201404XX		130056MW2RR01704XX		130056MW00301504XX		130056MW03A08404XX		130056MW03B06204XX		130056MW03C04804XX	
Qc Code			FS		FS		FS		FS		FS		FS	
Analysis	Param Name	Units	Result	Qualifier										
SW8468270C	2,4,5-Trichlorophenol	ug/l	10	U	11	U	10	U	10	U	12	U	10	U
SW8468270C	2,4,6-Trichlorophenol	ug/l	10	U	11	U	10	U	10	U	12	U	10	U
SW8468270C	2,4-Dichlorophenol	ug/l	10	U	11	U	10	U	10	U	12	U	10	U
SW8468270C	2,4-Dimethylphenol	ug/l	10	U	11	U	10	U	10	U	12	U	10	U
SW8468270C	2,4-Dinitrophenol	ug/l	20	U	21	U	20	U	21	U	23	U	20	U
SW8468270C	2,4-Dinitrotoluene	ug/l	10	U	11	U	10	U	10	U	12	U	10	U
SW8468270C	2,6-Dinitrotoluene	ug/l	10	U	11	U	10	U	10	U	12	U	10	U
SW8468270C	2-Chloronaphthalene	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	2-Chlorophenol	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	2-Methylnaphthalene	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	2-Methylphenol	ug/l	10	U	11	U	10	U	10	U	12	U	10	U
SW8468270C	2-Nitroaniline	ug/l	10	U	11	U	10	U	10	U	12	U	10	U
SW8468270C	2-Nitrophenol	ug/l	10	U	11	U	10	U	10	U	12	U	10	U
SW8468270C	3 & 4 Methylphenol	ug/l	10	U	11	U	10	U	10	U	12	U	10	U
SW8468270C	3,3'-Dichlorobenzidine	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	3-Nitroaniline	ug/l	10	U	11	U	10	U	10	U	12	U	10	U
SW8468270C	4,6-Dinitro-2-methylphenol	ug/l	10	U	11	U	10	U	10	U	12	U	10	U
SW8468270C	4-Bromophenyl phenyl ether	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	4-Chloro-3-methylphenol	ug/l	10	U	11	U	10	U	10	U	12	U	10	U
SW8468270C	4-Chloroaniline	ug/l	10	UJ	11	UJ	10	UJ	10	UJ	12	UJ	10	UJ
SW8468270C	4-Chlorophenyl phenyl ether	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	4-Nitroaniline	ug/l	10	U	11	U	10	U	10	U	12	U	10	U
SW8468270C	4-Nitrophenol	ug/l	20	U	21	U	20	U	21	U	23	U	20	U
SW8468270C	Acenaphthene	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Acenaphthylene	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Acetophenone	ug/l	10	U	11	U	10	U	10	U	12	U	10	U
SW8468270C	Anthracene	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Atrazine	ug/l	10	U	11	U	10	U	10	U	12	U	10	U
SW8468270C	Benzaldehyde	ug/l	20	U	21	U	20	U	21	U	23	U	20	U
SW8468270C	Benzo(a)anthracene	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Benzo(a)pyrene	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Benzo(b)fluoranthene	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Benzo(ghi)perylene	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Benzo(k)fluoranthene	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Biphenyl	ug/l	10	U	11	U	10	U	10	U	12	U	10	U
SW8468270C	Bis(2-Chloroethoxy)methane	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Bis(2-Chloroethyl)ether	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Bis(2-Chloroisopropyl)ether	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Bis(2-Ethylhexyl)phthalate	ug/l	2	U	2.1	U	2	U	2.1	U	10.8		4.3	
SW8468270C	Butylbenzylphthalate	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Caprolactum	ug/l	10	UJ	11	UJ	10	UJ	10	UJ	12	UJ	10	UJ
SW8468270C	Carbazole	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Chrysene	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Di-n-butylphthalate	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location		MW-2		MW-2 (RR)		MW-3		MW-3A		MW-3B		MW-3C		
Sample Date		1/31/2011		1/31/2011		1/31/2011		2/2/2011		2/2/2011		2/2/2011		
Sample ID		130056MW00201404XX		130056MW2RR01704XX		130056MW00301504XX		130056MW03A08404XX		130056MW03B06204XX		130056MW03C04804XX		
Qc Code		FS		FS		FS		FS		FS		FS		
Analysis	Param Name	Units	Result	Qualifier	Result	Qualifier								
SW8468270C	Di-n-octylphthalate	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Dibenz(a,h)anthracene	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Dibenzofuran	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Diethylphthalate	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Dimethylphthalate	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Fluoranthene	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Fluorene	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Hexachlorobenzene	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Hexachlorobutadiene	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Hexachlorocyclopentadiene	ug/l	10	U	11	U	10	U	10	U	12	U	10	U
SW8468270C	Hexachloroethane	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Indeno(1,2,3-cd)pyrene	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Isophorone	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	N-Nitrosodi-n-propylamine	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	N-Nitrosodiphenylamine	ug/l	5	UJ	5.3	UJ	5	UJ	5.2	UJ	5.8	UJ	5	UJ
SW8468270C	Naphthalene	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Nitrobenzene	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Pentachlorophenol	ug/l	10	U	11	U	10	U	10	U	12	U	10	U
SW8468270C	Phenanthrene	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Phenol	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U
SW8468270C	Pyrene	ug/l	5	U	5.3	U	5	U	5.2	U	5.8	U	5	U

Notes:

ug/L = microgram per liter

Qualifiers

U = not detected at the reporting limit

J = estimated concentration

QC Code

FS = Field Sample, FD = Field

Duplicate

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location			MW-3D		MW-4		MW-4 (MM)		MW-5 (MM)		MW-6		MW-7	
Sample Date			2/2/2011		2/1/2011		2/2/2011		2/2/2011		1/31/2011		1/31/2011	
Sample ID			130056MW03D06704XX		130056MW00401804XX		130056MW4MM01504XX		130056MW5MM01604XX		130056MW00601804XX		130056MW00701704XX	
Qc Code			FS		FS		FS		FS		FS		FS	
Analysis	Param Name	Units	Result	Qualifier										
SW8468270C	2,4,5-Trichlorophenol	ug/l	10	U										
SW8468270C	2,4,6-Trichlorophenol	ug/l	10	U										
SW8468270C	2,4-Dichlorophenol	ug/l	10	U										
SW8468270C	2,4-Dimethylphenol	ug/l	10	U										
SW8468270C	2,4-Dinitrophenol	ug/l	20	U	20	U	20	U	21	U	20	U	20	U
SW8468270C	2,4-Dinitrotoluene	ug/l	10	U										
SW8468270C	2,6-Dinitrotoluene	ug/l	10	U										
SW8468270C	2-Chloronaphthalene	ug/l	5	U	5	U	5	U	5.2	U	5	U	5	U
SW8468270C	2-Chlorophenol	ug/l	5	U	5	U	5	U	5.2	U	5	UJ	5	U
SW8468270C	2-Methylnaphthalene	ug/l	5	U	5	U	5	U	5.2	U	5	UJ	5	U
SW8468270C	2-Methylphenol	ug/l	10	U	10	U	10	U	10	U	10	UJ	10	U
SW8468270C	2-Nitroaniline	ug/l	10	U										
SW8468270C	2-Nitrophenol	ug/l	10	U	10	U	10	U	10	U	10	UJ	10	U
SW8468270C	3 & 4 Methylphenol	ug/l	10	U										
SW8468270C	3,3'-Dichlorobenzidine	ug/l	5	U	5	U	5	U	5.2	U	5	UJ	5	UJ
SW8468270C	3-Nitroaniline	ug/l	10	U	10	U	10	U	10	U	10	UJ	10	UJ
SW8468270C	4,6-Dinitro-2-methylphenol	ug/l	10	U										
SW8468270C	4-Bromophenyl phenyl ether	ug/l	5	U	5	U	5	U	5.2	U	5	U	5	U
SW8468270C	4-Chloro-3-methylphenol	ug/l	10	U										
SW8468270C	4-Chloroaniline	ug/l	10	UJ										
SW8468270C	4-Chlorophenyl phenyl ether	ug/l	5	U	5	U	5	U	5.2	U	5	U	5	U
SW8468270C	4-Nitroaniline	ug/l	10	U	10	U	10	U	10	U	10	UJ	10	U
SW8468270C	4-Nitrophenol	ug/l	20	U	20	U	20	U	21	U	20	U	20	U
SW8468270C	Acenaphthene	ug/l	5	U	5	U	5	U	5.2	U	5	U	5	U
SW8468270C	Acenaphthylene	ug/l	5	U	5	U	5	U	5.2	U	5	U	5	U
SW8468270C	Acetophenone	ug/l	10	U	10	U	10	U	10	U	10	UJ	10	U
SW8468270C	Anthracene	ug/l	5	U	5	U	5	U	5.2	U	5	U	5	U
SW8468270C	Atrazine	ug/l	10	U										
SW8468270C	Benzaldehyde	ug/l	20	U	20	U	20	U	21	U	20	UJ	20	U
SW8468270C	Benzo(a)anthracene	ug/l	5	U	5	U	5	U	5.2	U	5	U	5	U
SW8468270C	Benzo(a)pyrene	ug/l	5	U	5	U	5	U	5.2	U	5	U	5	U
SW8468270C	Benzo(b)fluoranthene	ug/l	5	U	5	U	5	U	5.2	U	5	U	5	U
SW8468270C	Benzo(ghi)perylene	ug/l	5	U	5	U	5	U	5.2	U	5	U	5	U
SW8468270C	Benzo(k)fluoranthene	ug/l	5	U	5	U	5	U	5.2	U	5	U	5	U
SW8468270C	Biphenyl	ug/l	10	U										
SW8468270C	Bis(2-Chloroethoxy)methane	ug/l	5	U	5	U	5	U	5.2	U	5	UJ	5	U
SW8468270C	Bis(2-Chloroethyl)ether	ug/l	5	U	5	U	5	U	5.2	U	5	UJ	5	U
SW8468270C	Bis(2-Chloroisopropyl)ether	ug/l	5	U	5	U	5	U	5.2	U	5	UJ	5	U
SW8468270C	Bis(2-Ethylhexyl)phthalate	ug/l	9.1		2	U	2	U	2.1	U	2	U	2	U
SW8468270C	Butylbenzylphthalate	ug/l	5	U	5	U	5	U	5.2	U	5	U	5	U
SW8468270C	Caprolactum	ug/l	10	UJ										
SW8468270C	Carbazole	ug/l	5	U	5	U	5	U	5.2	U	5	U	5	U
SW8468270C	Chrysene	ug/l	5	U	5	U	5	U	5.2	U	5	U	5	U
SW8468270C	Di-n-butylphthalate	ug/l	5	U	5	U	5	U	5.2	U	5	U	5	U

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location		MW-3D	MW-4		MW-4 (MM)		MW-5 (MM)		MW-6		MW-7			
Sample Date		2/2/2011	2/1/2011		2/2/2011		2/2/2011		1/31/2011		1/31/2011			
Sample ID		130056MW03D06704XX	130056MW00401804XX		130056MW4MM01504XX		130056MW5MM01604XX		130056MW00601804XX		130056MW00701704XX			
Qc Code		FS		FS		FS		FS		FS		FS		
Analysis	Param Name	Units	Result	Qualifier	Result	Qualifier								
SW8468270C	Di-n-octylphthalate	ug/l	5	U	5	U	5	U	5.2	U	5	UJ	5	U
SW8468270C	Dibenz(a,h)anthracene	ug/l	5	U	5	U	5	U	5.2	U	5	U	5	U
SW8468270C	Dibenzofuran	ug/l	5	U	5	U	5	U	5.2	U	5	U	5	U
SW8468270C	Diethylphthalate	ug/l	5	U	5	U	5	U	5.2	U	5	U	5	U
SW8468270C	Dimethylphthalate	ug/l	5	U	5	U	5	U	5.2	U	5	U	5	U
SW8468270C	Fluoranthene	ug/l	5	U	5	U	5	U	5.2	U	5	U	5	U
SW8468270C	Fluorene	ug/l	5	U	5	U	5	U	5.2	U	5	U	5	U
SW8468270C	Hexachlorobenzene	ug/l	5	U	5	U	5	U	5.2	U	5	U	5	U
SW8468270C	Hexachlorobutadiene	ug/l	5	U	5	U	5	U	5.2	U	5	UJ	5	U
SW8468270C	Hexachlorocyclopentadiene	ug/l	10	U	10	U	10	U	10	U	10	UJ	10	U
SW8468270C	Hexachloroethane	ug/l	5	U	5	U	5	U	5.2	U	5	UJ	5	U
SW8468270C	Indeno(1,2,3-cd)pyrene	ug/l	5	U	5	U	5	U	5.2	U	5	U	5	U
SW8468270C	Isophorone	ug/l	5	U	5	U	5	U	5.2	U	5	UJ	5	U
SW8468270C	N-Nitrosodi-n-propylamine	ug/l	5	U	5	U	5	U	5.2	U	5	UJ	5	U
SW8468270C	N-Nitrosodiphenylamine	ug/l	5	UJ	5	UJ	5	UJ	5.2	UJ	5	UJ	5	U
SW8468270C	Naphthalene	ug/l	5	U	5	U	5	U	5.2	U	5	UJ	5	U
SW8468270C	Nitrobenzene	ug/l	5	U	5	U	5	U	5.2	U	5	UJ	5	U
SW8468270C	Pentachlorophenol	ug/l	10	U	10	U								
SW8468270C	Phenanthrene	ug/l	5	U	5	U	5	U	5.2	U	5	U	5	U
SW8468270C	Phenol	ug/l	5	U	5	U	5	U	5.2	U	5	UJ	5	U
SW8468270C	Pyrene	ug/l	5	U	5	U	5	U	5.2	U	5	U	5	U

Notes:

ug/L = microgram per liter

Qualifiers

U = not detected at the reporting limit

J = estimated concentration

QC Code

FS = Field Sample, FD = Field

Duplicate

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location		MW-8D	MW-8I		MW-8S		MW-9		SW-1			
Sample Date		2/1/2011	2/1/2011		2/1/2011		2/1/2011		2/2/2011			
Sample ID		130056MW08D07004XX	130056MW08I03504XX		130056MW08S01604XX		130056MW00903504XX		130056SW001XXX04XX			
Qc Code		FS		FS		FS		FS		FS		
Analysis	Param Name	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8468270C	2,4,5-Trichlorophenol	ug/l	10	U	10	U	10	U	10	U	10	U
SW8468270C	2,4,6-Trichlorophenol	ug/l	10	U	10	U	10	U	10	U	10	U
SW8468270C	2,4-Dichlorophenol	ug/l	10	U	10	U	10	U	10	U	10	U
SW8468270C	2,4-Dimethylphenol	ug/l	10	U	10	U	10	U	10	U	10	U
SW8468270C	2,4-Dinitrophenol	ug/l	20	U	20	U	20	U	20	U	20	U
SW8468270C	2,4-Dinitrotoluene	ug/l	10	U	10	U	10	U	10	U	10	U
SW8468270C	2,6-Dinitrotoluene	ug/l	10	U	10	U	10	U	10	U	10	U
SW8468270C	2-Chloronaphthalene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	2-Chlorophenol	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	2-Methylnaphthalene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	2-Methylphenol	ug/l	10	U	10	U	10	U	10	U	10	U
SW8468270C	2-Nitroaniline	ug/l	10	U	10	U	10	U	10	U	10	U
SW8468270C	2-Nitrophenol	ug/l	10	U	10	U	10	U	10	U	10	U
SW8468270C	3 & 4 Methylphenol	ug/l	10	U	10	U	10	U	10	U	10	U
SW8468270C	3,3'-Dichlorobenzidine	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	3-Nitroaniline	ug/l	10	U	10	U	10	U	10	U	10	U
SW8468270C	4,6-Dinitro-2-methylphenol	ug/l	10	U	10	U	10	U	10	U	10	U
SW8468270C	4-Bromophenyl phenyl ether	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	4-Chloro-3-methylphenol	ug/l	10	U	10	U	10	U	10	U	10	U
SW8468270C	4-Chloroaniline	ug/l	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
SW8468270C	4-Chlorophenyl phenyl ether	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	4-Nitroaniline	ug/l	10	U	10	U	10	U	10	U	10	U
SW8468270C	4-Nitrophenol	ug/l	20	U	20	U	20	U	20	U	20	U
SW8468270C	Acenaphthene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Acenaphthylene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Acetophenone	ug/l	10	U	10	U	10	U	10	U	10	U
SW8468270C	Anthracene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Atrazine	ug/l	10	U	10	U	10	U	10	U	10	U
SW8468270C	Benzaldehyde	ug/l	20	U	20	U	20	U	20	U	20	U
SW8468270C	Benzo(a)anthracene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Benzo(a)pyrene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Benzo(b)fluoranthene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Benzo(ghi)perylene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Benzo(k)fluoranthene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Biphenyl	ug/l	10	U	10	U	10	U	10	U	10	U
SW8468270C	Bis(2-Chloroethoxy)methane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Bis(2-Chloroethyl)ether	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Bis(2-Chloroisopropyl)ether	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Bis(2-Ethylhexyl)phthalate	ug/l	2	U	2	U	2	U	2	U	2	U
SW8468270C	Butylbenzylphthalate	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Caprolactum	ug/l	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
SW8468270C	Carbazole	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Chrysene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Di-n-butylphthalate	ug/l	5	U	5	U	5	U	5	U	5	U

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location		MW-8D		MW-8I		MW-8S		MW-9		SW-1		
Sample Date		2/1/2011		2/1/2011		2/1/2011		2/1/2011		2/2/2011		
Sample ID		130056MW08D07004XX		130056MW08I03504XX		130056MW08S01604XX		130056MW00903504XX		130056SW001XXX04XX		
Qc Code		FS		FS		FS		FS		FS		
Analysis	Param Name	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8468270C	Di-n-octylphthalate	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Dibenz(a,h)anthracene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Dibenzofuran	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Diethylphthalate	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Dimethylphthalate	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Fluoranthene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Fluorene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Hexachlorobenzene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Hexachlorobutadiene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Hexachlorocyclopentadiene	ug/l	10	U	10	U	10	U	10	U	10	U
SW8468270C	Hexachloroethane	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Indeno(1,2,3-cd)pyrene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Isophorone	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	N-Nitrosodi-n-propylamine	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	N-Nitrosodiphenylamine	ug/l	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ
SW8468270C	Naphthalene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Nitrobenzene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Pentachlorophenol	ug/l	10	U	10	U	10	U	10	U	10	U
SW8468270C	Phenanthrene	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Phenol	ug/l	5	U	5	U	5	U	5	U	5	U
SW8468270C	Pyrene	ug/l	5	U	5	U	5	U	5	U	5	U

Notes:

ug/L = microgram per liter

Qualifiers

U = not detected at the reporting limit

J = estimated concentration

QC Code

FS = Field Sample, FD = Field

Duplicate

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Location			MW-10		MW-16		MW-16		MW-3B	
Sample Date			2/2/2011		2/1/2011		2/1/2011		2/2/2011	
Sample ID			130056MW01002504XX		130056MW01602204XD		130056MW01602204XX		130056MW03B06204XX	
Qc Code			FS		FD		FS		FS	
Analysis	Param Name	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8466010C	Aluminum	ug/l	200	U	200	U	200	U	200	U
SW8466010C	Antimony	ug/l	6	U	6	U	6	U	6	U
SW8466010C	Arsenic	ug/l	4	U	4	U	4	U	4	U
SW8466010C	Barium	ug/l	50	U	50	U	50	U	50	U
SW8466010C	Beryllium	ug/l	4	U	4	U	4	U	4	U
SW8466010C	Cadmium	ug/l	4	U	4	U	4	U	4	U
SW8466010C	Calcium	ug/l	7,140		11,400		11,400		16,200	
SW8466010C	Chromium	ug/l	10	U	10	U	10	U	10	U
SW8466010C	Cobalt	ug/l	50	U	50	U	50	U	50	U
SW8466010C	Copper	ug/l	25	U	25	U	25	U	25	U
SW8466010C	Iron	ug/l	789		112		122		25000	
SW8466010C	Lead	ug/l	5	U	5	U	5	U	5	U
SW8466010C	Magnesium	ug/l	5,000	U	5,000	U	5,000	U	5,000	U
SW8466010C	Manganese	ug/l	463		15	UJ	15.3	J	102	
SW8466010C	Nickel	ug/l	40	U	40	U	40	U	40	U
SW8466010C	Potassium	ug/l	5,000	U	5,000	U	5,000	U	5,000	U
SW8466010C	Selenium	ug/l	10	U	10	U	10	U	10	U
SW8466010C	Silver	ug/l	5	U	5	U	5	U	5	U
SW8466010C	Sodium	ug/l	10,600		16,000		15,900		5,000	U
SW8466010C	Thallium	ug/l	5	U	5	U	5	U	5	U
SW8466010C	Vanadium	ug/l	10	U	10	U	10	U	10	U
SW8466010C	Zinc	ug/l	20	U	20	U	20	U	41.4	
SW8467470A	Mercury	ug/l	0.2	U	0.2	U	0.2	U	0.2	U

Notes:

ug/L = microgram per liter

Qualifiers

U = not detected at the reporting limit

J = estimated concentration

QC Code

FS = Field Sample, FD = Field

Duplicate

TABLE 3
SUMMARY OF DATA VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group	Lab Sample Id	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M96612	M96612-1	SW8468260B	130056GW02107X	1,1-Dichloroethene	1	U	1	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-1	SW8468260B	130056GW02107X	2-Butanone	5	U	5	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-1	SW8468260B	130056GW02107X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-1	SW8468260B	130056GW02107X	Carbon disulfide	5	U	5	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-1	SW8468260B	130056GW02107X	Chloroethane	2	U	2	UJ	CCV%D, LCS-RPD	ug/l	ACTM
M96612	M96612-1	SW8468260B	130056GW02107X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-1	SW8468260B	130056GW02107X	Methylene chloride	2	U	2	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-1	SW8468260B	130056GW02107X	trans-1,2-Dichloroethene	1	U	1	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-2	SW8468260B	130056GW02112X	1,1-Dichloroethene	1	U	1	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-2	SW8468260B	130056GW02112X	2-Butanone	5	U	5	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-2	SW8468260B	130056GW02112X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-2	SW8468260B	130056GW02112X	Carbon disulfide	5	U	5	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-2	SW8468260B	130056GW02112X	Chloroethane	2	U	2	UJ	CCV%D, LCS-RPD	ug/l	ACTM
M96612	M96612-2	SW8468260B	130056GW02112X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-2	SW8468260B	130056GW02112X	Methylene chloride	2	U	2	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-2	SW8468260B	130056GW02112X	trans-1,2-Dichloroethene	1	U	1	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-3	SW8468260B	130056GW02117X	1,1-Dichloroethene	1	U	1	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-3	SW8468260B	130056GW02117X	2-Butanone	5	U	5	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-3	SW8468260B	130056GW02117X	Bromomethane	2	U	2	UJ	CCV%D, MS-RPD	ug/l	ACTM
M96612	M96612-3	SW8468260B	130056GW02117X	Carbon disulfide	5	U	5	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-3	SW8468260B	130056GW02117X	Chloroethane	2	U	2	UJ	CCV%D, LCS-RPD, MS-RPD	ug/l	ACTM
M96612	M96612-3	SW8468260B	130056GW02117X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-3	SW8468260B	130056GW02117X	Methylene chloride	2	U	2	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-3	SW8468260B	130056GW02117X	trans-1,2-Dichloroethene	1	U	1	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-4	SW8468260B	130056GW02122X	1,1-Dichloroethene	1	U	1	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-4	SW8468260B	130056GW02122X	2-Butanone	5	U	5	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-4	SW8468260B	130056GW02122X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-4	SW8468260B	130056GW02122X	Carbon disulfide	5	U	5	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-4	SW8468260B	130056GW02122X	Chloroethane	2	U	2	UJ	CCV%D, LCS-RPD	ug/l	ACTM
M96612	M96612-4	SW8468260B	130056GW02122X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-4	SW8468260B	130056GW02122X	Methylene chloride	2	U	2	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-4	SW8468260B	130056GW02122X	trans-1,2-Dichloroethene	1	U	1	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-5	SW8468260B	130056GW02127X	1,1-Dichloroethene	1	U	1	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-5	SW8468260B	130056GW02127X	2-Butanone	5	U	5	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-5	SW8468260B	130056GW02127X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-5	SW8468260B	130056GW02127X	Carbon disulfide	5	U	5	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-5	SW8468260B	130056GW02127X	Chloroethane	2	U	2	UJ	CCV%D, LCS-RPD	ug/l	ACTM
M96612	M96612-5	SW8468260B	130056GW02127X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-5	SW8468260B	130056GW02127X	Methylene chloride	2	U	2	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-5	SW8468260B	130056GW02127X	trans-1,2-Dichloroethene	1	U	1	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-6	SW8468260B	130056GW02132X	1,1-Dichloroethene	1	U	1	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-6	SW8468260B	130056GW02132X	2-Butanone	5	U	5	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-6	SW8468260B	130056GW02132X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-6	SW8468260B	130056GW02132X	Carbon disulfide	5	U	5	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-6	SW8468260B	130056GW02132X	Chloroethane	2	U	2	UJ	CCV%D, LCS-RPD	ug/l	ACTM
M96612	M96612-6	SW8468260B	130056GW02132X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-6	SW8468260B	130056GW02132X	Methylene chloride	2	U	2	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-6	SW8468260B	130056GW02132X	trans-1,2-Dichloroethene	1	U	1	UJ	LCS-RPD	ug/l	ACTM

TABLE 3
SUMMARY OF DATA VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group	Lab Sample Id	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M96612	M96612-7	SW8468260B	130056GW02137X	1,1-Dichloroethene	1	U	1	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-7	SW8468260B	130056GW02137X	2-Butanone	5	U	5	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-7	SW8468260B	130056GW02137X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-7	SW8468260B	130056GW02137X	Carbon disulfide	5	U	5	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-7	SW8468260B	130056GW02137X	Chloroethane	2	U	2	UJ	CCV%D, LCS-RPD	ug/l	ACTM
M96612	M96612-7	SW8468260B	130056GW02137X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-7	SW8468260B	130056GW02137X	Methylene chloride	2	U	2	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-7	SW8468260B	130056GW02137X	trans-1,2-Dichloroethene	1	U	1	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-8	SW8468260B	130056GW02142X	1,1-Dichloroethene	1	U	1	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-8	SW8468260B	130056GW02142X	2-Butanone	5	U	5	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-8	SW8468260B	130056GW02142X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-8	SW8468260B	130056GW02142X	Carbon disulfide	5	U	5	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-8	SW8468260B	130056GW02142X	Chloroethane	2	U	2	UJ	CCV%D, LCS-RPD	ug/l	ACTM
M96612	M96612-8	SW8468260B	130056GW02142X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-8	SW8468260B	130056GW02142X	Methylene chloride	2	U	2	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-8	SW8468260B	130056GW02142X	trans-1,2-Dichloroethene	1	U	1	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-9	SW8468260B	130056GW02147X	1,1-Dichloroethene	1	U	1	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-9	SW8468260B	130056GW02147X	2-Butanone	5	U	5	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-9	SW8468260B	130056GW02147X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-9	SW8468260B	130056GW02147X	Carbon disulfide	5	U	5	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-9	SW8468260B	130056GW02147X	Chloroethane	2	U	2	UJ	CCV%D, LCS-RPD	ug/l	ACTM
M96612	M96612-9	SW8468260B	130056GW02147X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-9	SW8468260B	130056GW02147X	Methylene chloride	2	U	2	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-9	SW8468260B	130056GW02147X	trans-1,2-Dichloroethene	1	U	1	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-10	SW8468260B	130056GW02152X	1,1-Dichloroethene	1	U	1	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-10	SW8468260B	130056GW02152X	2-Butanone	5	U	5	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-10	SW8468260B	130056GW02152X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-10	SW8468260B	130056GW02152X	Carbon disulfide	5	U	5	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-10	SW8468260B	130056GW02152X	Chloroethane	2	U	2	UJ	CCV%D, LCS-RPD	ug/l	ACTM
M96612	M96612-10	SW8468260B	130056GW02152X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-10	SW8468260B	130056GW02152X	Methylene chloride	2	U	2	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-10	SW8468260B	130056GW02152X	trans-1,2-Dichloroethene	1	U	1	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-11	SW8468260B	130056GW02207X	1,1-Dichloroethene	5	U	5	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-11	SW8468260B	130056GW02207X	2-Butanone	25	U	25	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-11	SW8468260B	130056GW02207X	Bromomethane	10	U	10	UJ	CCV%D	ug/l	ACTM
M96612	M96612-11	SW8468260B	130056GW02207X	Carbon disulfide	25	U	25	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-11	SW8468260B	130056GW02207X	Chloroethane	10	U	10	UJ	CCV%D, LCS-RPD	ug/l	ACTM
M96612	M96612-11	SW8468260B	130056GW02207X	Isopropylbenzene	25	U	25	UJ	CCV%D	ug/l	ACTM
M96612	M96612-11	SW8468260B	130056GW02207X	Methylene chloride	10	U	15	J	LCS-RPD	ug/l	ACTM
M96612	M96612-11	SW8468260B	130056GW02207X	trans-1,2-Dichloroethene	5	U	5	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-12	SW8468260B	130056GW02212X	1,1-Dichloroethene	1	U	1	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-12	SW8468260B	130056GW02212X	2-Butanone	5	U	5	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-12	SW8468260B	130056GW02212X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-12	SW8468260B	130056GW02212X	Carbon disulfide	5	U	5	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-12	SW8468260B	130056GW02212X	Chloroethane	2	U	2	UJ	CCV%D, LCS-RPD	ug/l	ACTM
M96612	M96612-12	SW8468260B	130056GW02212X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-12	SW8468260B	130056GW02212X	Methylene chloride	2	U	2	UJ	LCS-RPD	ug/l	ACTM
M96612	M96612-12	SW8468260B	130056GW02212X	trans-1,2-Dichloroethene	1	U	1	UJ	LCS-RPD	ug/l	ACTM

TABLE 3
SUMMARY OF DATA VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group	Lab Sample Id	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M96612	M96612-13	SW8468260B	130056GW02217X	1,1,2,2-Tetrachloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-13	SW8468260B	130056GW02217X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-13	SW8468260B	130056GW02217X	1,2-Dibromo-3-chloropropane	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-13	SW8468260B	130056GW02217X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-13	SW8468260B	130056GW02217X	2-Butanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-13	SW8468260B	130056GW02217X	2-Hexanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-13	SW8468260B	130056GW02217X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-13	SW8468260B	130056GW02217X	Acetone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-13	SW8468260B	130056GW02217X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-13	SW8468260B	130056GW02217X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-13	SW8468260B	130056GW02217X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-13	SW8468260B	130056GW02217X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-13	SW8468260B	130056GW02217X	Methylene chloride	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-13	SW8468260B	130056GW02217X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-14	SW8468260B	130056GW02222X	1,1,2,2-Tetrachloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-14	SW8468260B	130056GW02222X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-14	SW8468260B	130056GW02222X	1,2-Dibromo-3-chloropropane	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-14	SW8468260B	130056GW02222X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-14	SW8468260B	130056GW02222X	2-Butanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-14	SW8468260B	130056GW02222X	2-Hexanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-14	SW8468260B	130056GW02222X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D, MS-RPD	ug/l	ACTM
M96612	M96612-14	SW8468260B	130056GW02222X	Acetone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-14	SW8468260B	130056GW02222X	Bromomethane	2	U	2	UJ	MS-RPD	ug/l	ACTM
M96612	M96612-14	SW8468260B	130056GW02222X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-14	SW8468260B	130056GW02222X	Chloroethane	2	U	2	UJ	CCV%D, MS-L, MS-RPD	ug/l	ACTM
M96612	M96612-14	SW8468260B	130056GW02222X	Chloromethane	2	U	2	UJ	MS-RPD	ug/l	ACTM
M96612	M96612-14	SW8468260B	130056GW02222X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-14	SW8468260B	130056GW02222X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-14	SW8468260B	130056GW02222X	Methylene chloride	2	U	2	UJ	CCV%D, MS-RPD	ug/l	ACTM
M96612	M96612-14	SW8468260B	130056GW02222X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-14	SW8468260B	130056GW02222X	Vinyl chloride	1	U	1	UJ	MS-RPD	ug/l	ACTM
M96612	M96612-15	SW8468260B	130056GW02227X	1,1,2,2-Tetrachloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-15	SW8468260B	130056GW02227X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-15	SW8468260B	130056GW02227X	1,2-Dibromo-3-chloropropane	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-15	SW8468260B	130056GW02227X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-15	SW8468260B	130056GW02227X	2-Butanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-15	SW8468260B	130056GW02227X	2-Hexanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-15	SW8468260B	130056GW02227X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-15	SW8468260B	130056GW02227X	Acetone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-15	SW8468260B	130056GW02227X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-15	SW8468260B	130056GW02227X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-15	SW8468260B	130056GW02227X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-15	SW8468260B	130056GW02227X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-15	SW8468260B	130056GW02227X	Methylene chloride	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-15	SW8468260B	130056GW02227X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-16	SW8468260B	130056GW02232X	1,1,2,2-Tetrachloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-16	SW8468260B	130056GW02232X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-16	SW8468260B	130056GW02232X	1,2-Dibromo-3-chloropropane	5	U	5	UJ	CCV%D	ug/l	ACTM

TABLE 3
SUMMARY OF DATA VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group	Lab Sample Id	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M96612	M96612-16	SW8468260B	130056GW02232X	1,2-Dichloroethane		1 U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-16	SW8468260B	130056GW02232X	2-Butanone		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-16	SW8468260B	130056GW02232X	2-Hexanone		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-16	SW8468260B	130056GW02232X	Acetic acid, methyl ester		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-16	SW8468260B	130056GW02232X	Acetone		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-16	SW8468260B	130056GW02232X	Carbon tetrachloride		1 U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-16	SW8468260B	130056GW02232X	Chloroethane		2 U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-16	SW8468260B	130056GW02232X	Dichlorodifluoromethane		2 U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-16	SW8468260B	130056GW02232X	Isopropylbenzene		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-16	SW8468260B	130056GW02232X	Methylene chloride		2 U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-16	SW8468260B	130056GW02232X	trans-1,3-Dichloropropene		0.5 U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-17	SW8468260B	130056GW02237X	1,1,2,2-Tetrachloroethane		1 U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-17	SW8468260B	130056GW02237X	1,2,4-Trichlorobenzene		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-17	SW8468260B	130056GW02237X	1,2-Dibromo-3-chloropropane		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-17	SW8468260B	130056GW02237X	1,2-Dichloroethane		1 U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-17	SW8468260B	130056GW02237X	2-Butanone		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-17	SW8468260B	130056GW02237X	2-Hexanone		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-17	SW8468260B	130056GW02237X	Acetic acid, methyl ester		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-17	SW8468260B	130056GW02237X	Acetone		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-17	SW8468260B	130056GW02237X	Carbon tetrachloride		1 U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-17	SW8468260B	130056GW02237X	Chloroethane		2 U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-17	SW8468260B	130056GW02237X	Dichlorodifluoromethane		2 U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-17	SW8468260B	130056GW02237X	Isopropylbenzene		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-17	SW8468260B	130056GW02237X	Methylene chloride		2 U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-17	SW8468260B	130056GW02237X	trans-1,3-Dichloropropene		0.5 U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-18	SW8468260B	130056GW02242X	1,1,2,2-Tetrachloroethane		1 U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-18	SW8468260B	130056GW02242X	1,2,4-Trichlorobenzene		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-18	SW8468260B	130056GW02242X	1,2-Dibromo-3-chloropropane		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-18	SW8468260B	130056GW02242X	1,2-Dichloroethane		1 U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-18	SW8468260B	130056GW02242X	2-Butanone		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-18	SW8468260B	130056GW02242X	2-Hexanone		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-18	SW8468260B	130056GW02242X	Acetic acid, methyl ester		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-18	SW8468260B	130056GW02242X	Acetone		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-18	SW8468260B	130056GW02242X	Carbon tetrachloride		1 U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-18	SW8468260B	130056GW02242X	Chloroethane		2 U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-18	SW8468260B	130056GW02242X	Dichlorodifluoromethane		2 U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-18	SW8468260B	130056GW02242X	Isopropylbenzene		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-18	SW8468260B	130056GW02242X	Methylene chloride		2 U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-18	SW8468260B	130056GW02242X	trans-1,3-Dichloropropene		0.5 U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-19	SW8468260B	130056GW02247X	1,1,2,2-Tetrachloroethane		1 U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-19	SW8468260B	130056GW02247X	1,2,4-Trichlorobenzene		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-19	SW8468260B	130056GW02247X	1,2-Dibromo-3-chloropropane		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-19	SW8468260B	130056GW02247X	1,2-Dichloroethane		1 U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-19	SW8468260B	130056GW02247X	2-Butanone		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-19	SW8468260B	130056GW02247X	2-Hexanone		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-19	SW8468260B	130056GW02247X	Acetic acid, methyl ester		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-19	SW8468260B	130056GW02247X	Acetone		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-19	SW8468260B	130056GW02247X	Carbon tetrachloride		1 U	1	UJ	CCV%D	ug/l	ACTM

TABLE 3
SUMMARY OF DATA VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group	Lab Sample Id	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M96612	M96612-19	SW8468260B	130056GW02247X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-19	SW8468260B	130056GW02247X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-19	SW8468260B	130056GW02247X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-19	SW8468260B	130056GW02247X	Methylene chloride	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-19	SW8468260B	130056GW02247X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-20	SW8468260B	130056GW02252X	1,1,2,2-Tetrachloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-20	SW8468260B	130056GW02252X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-20	SW8468260B	130056GW02252X	1,2-Dibromo-3-chloropropane	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-20	SW8468260B	130056GW02252X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-20	SW8468260B	130056GW02252X	2-Butanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-20	SW8468260B	130056GW02252X	2-Hexanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-20	SW8468260B	130056GW02252X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-20	SW8468260B	130056GW02252X	Acetone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-20	SW8468260B	130056GW02252X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-20	SW8468260B	130056GW02252X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-20	SW8468260B	130056GW02252X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-20	SW8468260B	130056GW02252X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-20	SW8468260B	130056GW02252X	Methylene chloride	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-20	SW8468260B	130056GW02252X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-22	SW8468260B	130056GW02412D	1,1,2,2-Tetrachloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-22	SW8468260B	130056GW02412D	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-22	SW8468260B	130056GW02412D	1,2-Dibromo-3-chloropropane	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-22	SW8468260B	130056GW02412D	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-22	SW8468260B	130056GW02412D	2-Butanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-22	SW8468260B	130056GW02412D	2-Hexanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-22	SW8468260B	130056GW02412D	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-22	SW8468260B	130056GW02412D	Acetone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-22	SW8468260B	130056GW02412D	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-22	SW8468260B	130056GW02412D	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-22	SW8468260B	130056GW02412D	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-22	SW8468260B	130056GW02412D	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-22	SW8468260B	130056GW02412D	Methylene chloride	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-22	SW8468260B	130056GW02412D	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-21	SW8468260B	130056GW02412X	1,1,2,2-Tetrachloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-21	SW8468260B	130056GW02412X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-21	SW8468260B	130056GW02412X	1,2-Dibromo-3-chloropropane	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-21	SW8468260B	130056GW02412X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-21	SW8468260B	130056GW02412X	2-Butanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-21	SW8468260B	130056GW02412X	2-Hexanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-21	SW8468260B	130056GW02412X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-21	SW8468260B	130056GW02412X	Acetone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-21	SW8468260B	130056GW02412X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-21	SW8468260B	130056GW02412X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-21	SW8468260B	130056GW02412X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-21	SW8468260B	130056GW02412X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-21	SW8468260B	130056GW02412X	Methylene chloride	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-21	SW8468260B	130056GW02412X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-23	SW8468260B	130056GW02417X	1,1,2,2-Tetrachloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM

TABLE 3
SUMMARY OF DATA VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group	Lab Sample Id	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M96612	M96612-23	SW8468260B	130056GW02417X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-23	SW8468260B	130056GW02417X	1,2-Dibromo-3-chloropropane	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-23	SW8468260B	130056GW02417X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-23	SW8468260B	130056GW02417X	2-Butanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-23	SW8468260B	130056GW02417X	2-Hexanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-23	SW8468260B	130056GW02417X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-23	SW8468260B	130056GW02417X	Acetone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-23	SW8468260B	130056GW02417X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-23	SW8468260B	130056GW02417X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-23	SW8468260B	130056GW02417X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-23	SW8468260B	130056GW02417X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-23	SW8468260B	130056GW02417X	Methylene chloride	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-23	SW8468260B	130056GW02417X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-25	SW8468260B	130056GW02422D	1,1,2,2-Tetrachloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-25	SW8468260B	130056GW02422D	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-25	SW8468260B	130056GW02422D	1,2-Dibromo-3-chloropropane	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-25	SW8468260B	130056GW02422D	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-25	SW8468260B	130056GW02422D	2-Butanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-25	SW8468260B	130056GW02422D	2-Hexanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-25	SW8468260B	130056GW02422D	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-25	SW8468260B	130056GW02422D	Acetone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-25	SW8468260B	130056GW02422D	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-25	SW8468260B	130056GW02422D	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-25	SW8468260B	130056GW02422D	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-25	SW8468260B	130056GW02422D	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-25	SW8468260B	130056GW02422D	Methylene chloride	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-25	SW8468260B	130056GW02422D	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-24	SW8468260B	130056GW02422X	1,1,2,2-Tetrachloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-24	SW8468260B	130056GW02422X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-24	SW8468260B	130056GW02422X	1,2-Dibromo-3-chloropropane	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-24	SW8468260B	130056GW02422X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-24	SW8468260B	130056GW02422X	2-Butanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-24	SW8468260B	130056GW02422X	2-Hexanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-24	SW8468260B	130056GW02422X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-24	SW8468260B	130056GW02422X	Acetone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-24	SW8468260B	130056GW02422X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-24	SW8468260B	130056GW02422X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-24	SW8468260B	130056GW02422X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-24	SW8468260B	130056GW02422X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-24	SW8468260B	130056GW02422X	Methylene chloride	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-24	SW8468260B	130056GW02422X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-26	SW8468260B	130056GW02427X	1,1,2,2-Tetrachloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-26	SW8468260B	130056GW02427X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-26	SW8468260B	130056GW02427X	1,2-Dibromo-3-chloropropane	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-26	SW8468260B	130056GW02427X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-26	SW8468260B	130056GW02427X	2-Butanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-26	SW8468260B	130056GW02427X	2-Hexanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-26	SW8468260B	130056GW02427X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM

TABLE 3
SUMMARY OF DATA VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group	Lab Sample Id	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M96612	M96612-26	SW8468260B	130056GW02427X	Acetone		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-26	SW8468260B	130056GW02427X	Carbon tetrachloride		1 U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-26	SW8468260B	130056GW02427X	Chloroethane		2 U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-26	SW8468260B	130056GW02427X	Dichlorodifluoromethane		2 U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-26	SW8468260B	130056GW02427X	Isopropylbenzene		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-26	SW8468260B	130056GW02427X	Methylene chloride		2 U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-26	SW8468260B	130056GW02427X	trans-1,3-Dichloropropene		0.5 U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-27	SW8468260B	130056GW02432X	1,1,2,2-Tetrachloroethane		1 U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-27	SW8468260B	130056GW02432X	1,2,4-Trichlorobenzene		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-27	SW8468260B	130056GW02432X	1,2-Dibromo-3-chloropropane		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-27	SW8468260B	130056GW02432X	1,2-Dichloroethane		1 U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-27	SW8468260B	130056GW02432X	2-Butanone		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-27	SW8468260B	130056GW02432X	2-Hexanone		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-27	SW8468260B	130056GW02432X	Acetic acid, methyl ester		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-27	SW8468260B	130056GW02432X	Acetone		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-27	SW8468260B	130056GW02432X	Carbon tetrachloride		1 U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-27	SW8468260B	130056GW02432X	Chloroethane		2 U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-27	SW8468260B	130056GW02432X	Dichlorodifluoromethane		2 U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-27	SW8468260B	130056GW02432X	Isopropylbenzene		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-27	SW8468260B	130056GW02432X	Methylene chloride		2 U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-27	SW8468260B	130056GW02432X	trans-1,3-Dichloropropene		0.5 U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-28	SW8468260B	130056GW02437X	1,1,2,2-Tetrachloroethane		1 U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-28	SW8468260B	130056GW02437X	1,2,4-Trichlorobenzene		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-28	SW8468260B	130056GW02437X	1,2-Dibromo-3-chloropropane		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-28	SW8468260B	130056GW02437X	1,2-Dichloroethane		1 U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-28	SW8468260B	130056GW02437X	2-Butanone		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-28	SW8468260B	130056GW02437X	2-Hexanone		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-28	SW8468260B	130056GW02437X	Acetic acid, methyl ester		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-28	SW8468260B	130056GW02437X	Acetone		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-28	SW8468260B	130056GW02437X	Carbon tetrachloride		1 U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-28	SW8468260B	130056GW02437X	Chloroethane		2 U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-28	SW8468260B	130056GW02437X	Dichlorodifluoromethane		2 U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-28	SW8468260B	130056GW02437X	Isopropylbenzene		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-28	SW8468260B	130056GW02437X	Methylene chloride		2 U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-28	SW8468260B	130056GW02437X	trans-1,3-Dichloropropene		0.5 U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-29	SW8468260B	130056GW02442X	1,1,2,2-Tetrachloroethane		1 U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-29	SW8468260B	130056GW02442X	1,2,4-Trichlorobenzene		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-29	SW8468260B	130056GW02442X	1,2-Dibromo-3-chloropropane		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-29	SW8468260B	130056GW02442X	1,2-Dichloroethane		1 U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-29	SW8468260B	130056GW02442X	2-Butanone		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-29	SW8468260B	130056GW02442X	2-Hexanone		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-29	SW8468260B	130056GW02442X	Acetic acid, methyl ester		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-29	SW8468260B	130056GW02442X	Acetone		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-29	SW8468260B	130056GW02442X	Carbon tetrachloride		1 U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-29	SW8468260B	130056GW02442X	Chloroethane		2 U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-29	SW8468260B	130056GW02442X	Dichlorodifluoromethane		2 U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-29	SW8468260B	130056GW02442X	Isopropylbenzene		5 U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-29	SW8468260B	130056GW02442X	Methylene chloride		2 U	2	UJ	CCV%D	ug/l	ACTM

TABLE 3
SUMMARY OF DATA VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group	Lab Sample Id	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M96612	M96612-29	SW8468260B	130056GW02442X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-30	SW8468260B	130056GW02447X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-30	SW8468260B	130056GW02447X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-30	SW8468260B	130056GW02447X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-30	SW8468260B	130056GW02447X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-30	SW8468260B	130056GW02447X	Xylenes, Total	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-31	SW8468260B	130056GW02452X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-31	SW8468260B	130056GW02452X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-31	SW8468260B	130056GW02452X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-31	SW8468260B	130056GW02452X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-31	SW8468260B	130056GW02452X	Xylenes, Total	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-32	SW8468260B	130056GW02512X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-32	SW8468260B	130056GW02512X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-32	SW8468260B	130056GW02512X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-32	SW8468260B	130056GW02512X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-32	SW8468260B	130056GW02512X	Xylenes, Total	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-33	SW8468260B	130056GW02517X	Acetic acid, methyl ester	5	U	5	UJ	MS-RPD	ug/l	ACTM
M96612	M96612-33	SW8468260B	130056GW02517X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-33	SW8468260B	130056GW02517X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-33	SW8468260B	130056GW02517X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-33	SW8468260B	130056GW02517X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-33	SW8468260B	130056GW02517X	Xylenes, Total	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-34	SW8468260B	130056GW02522X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-34	SW8468260B	130056GW02522X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-34	SW8468260B	130056GW02522X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-34	SW8468260B	130056GW02522X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-34	SW8468260B	130056GW02522X	Xylenes, Total	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-35	SW8468260B	130056GW02527X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-35	SW8468260B	130056GW02527X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-35	SW8468260B	130056GW02527X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-35	SW8468260B	130056GW02527X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-35	SW8468260B	130056GW02527X	Xylenes, Total	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-36	SW8468260B	130056GW02532X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-36	SW8468260B	130056GW02532X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-36	SW8468260B	130056GW02532X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-36	SW8468260B	130056GW02532X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-36	SW8468260B	130056GW02532X	Xylenes, Total	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-37	SW8468260B	130056GW02537X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-37	SW8468260B	130056GW02537X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-37	SW8468260B	130056GW02537X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-37	SW8468260B	130056GW02537X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-37	SW8468260B	130056GW02537X	Xylenes, Total	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-38	SW8468260B	130056GW02542X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-38	SW8468260B	130056GW02542X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-38	SW8468260B	130056GW02542X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-38	SW8468260B	130056GW02542X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-38	SW8468260B	130056GW02542X	Xylenes, Total	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-39	SW8468260B	130056GW02547X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM

TABLE 3
SUMMARY OF DATA VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group	Lab Sample Id	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M96612	M96612-39	SW8468260B	130056GW02547X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-39	SW8468260B	130056GW02547X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-39	SW8468260B	130056GW02547X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-39	SW8468260B	130056GW02547X	Xylenes, Total	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-40	SW8468260B	130056GW02552X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-40	SW8468260B	130056GW02552X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-40	SW8468260B	130056GW02552X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-40	SW8468260B	130056GW02552X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-40	SW8468260B	130056GW02552X	Xylenes, Total	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-42	SW8468260B	130056GW02812D	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-42	SW8468260B	130056GW02812D	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-42	SW8468260B	130056GW02812D	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-42	SW8468260B	130056GW02812D	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-42	SW8468260B	130056GW02812D	Xylenes, Total	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-41	SW8468260B	130056GW02812X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-41	SW8468260B	130056GW02812X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-41	SW8468260B	130056GW02812X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-41	SW8468260B	130056GW02812X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-41	SW8468260B	130056GW02812X	Xylenes, Total	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-43	SW8468260B	130056GW02817X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-43	SW8468260B	130056GW02817X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-43	SW8468260B	130056GW02817X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-43	SW8468260B	130056GW02817X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-43	SW8468260B	130056GW02817X	Xylenes, Total	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-44	SW8468260B	130056GW02822X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-44	SW8468260B	130056GW02822X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-44	SW8468260B	130056GW02822X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-44	SW8468260B	130056GW02822X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-44	SW8468260B	130056GW02822X	Xylenes, Total	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-45	SW8468260B	130056GW02827X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-45	SW8468260B	130056GW02827X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-45	SW8468260B	130056GW02827X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-45	SW8468260B	130056GW02827X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-45	SW8468260B	130056GW02827X	Xylenes, Total	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-46	SW8468260B	130056GW02832X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-46	SW8468260B	130056GW02832X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-46	SW8468260B	130056GW02832X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-46	SW8468260B	130056GW02832X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-46	SW8468260B	130056GW02832X	Xylenes, Total	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-47	SW8468260B	130056GW02837X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-47	SW8468260B	130056GW02837X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-47	SW8468260B	130056GW02837X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-47	SW8468260B	130056GW02837X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-47	SW8468260B	130056GW02837X	Xylenes, Total	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-48	SW8468260B	130056GW02842X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-48	SW8468260B	130056GW02842X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-48	SW8468260B	130056GW02842X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-48	SW8468260B	130056GW02842X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM

TABLE 3
SUMMARY OF DATA VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group	Lab Sample Id	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M96612	M96612-48	SW8468260B	130056GW02842X	Xylenes, Total	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-49	SW8468260B	130056GW02847X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-49	SW8468260B	130056GW02847X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-49	SW8468260B	130056GW02847X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-49	SW8468260B	130056GW02847X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-49	SW8468260B	130056GW02847X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-49	SW8468260B	130056GW02847X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-50	SW8468260B	130056GW02852X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-50	SW8468260B	130056GW02852X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-50	SW8468260B	130056GW02852X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-50	SW8468260B	130056GW02852X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-50	SW8468260B	130056GW02852X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-50	SW8468260B	130056GW02852X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-51	SW8468260B	130056GW02912X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-51	SW8468260B	130056GW02912X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-51	SW8468260B	130056GW02912X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-51	SW8468260B	130056GW02912X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-51	SW8468260B	130056GW02912X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-51	SW8468260B	130056GW02912X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-52	SW8468260B	130056GW02917X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-52	SW8468260B	130056GW02917X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-52	SW8468260B	130056GW02917X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-52	SW8468260B	130056GW02917X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-52	SW8468260B	130056GW02917X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-52	SW8468260B	130056GW02917X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-53	SW8468260B	130056GW02922X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-53	SW8468260B	130056GW02922X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-53	SW8468260B	130056GW02922X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-53	SW8468260B	130056GW02922X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-53	SW8468260B	130056GW02922X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-53	SW8468260B	130056GW02922X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-54	SW8468260B	130056GW02927X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-54	SW8468260B	130056GW02927X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-54	SW8468260B	130056GW02927X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-54	SW8468260B	130056GW02927X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-54	SW8468260B	130056GW02927X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-54	SW8468260B	130056GW02927X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-55	SW8468260B	130056GW02932X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-55	SW8468260B	130056GW02932X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-55	SW8468260B	130056GW02932X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-55	SW8468260B	130056GW02932X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-55	SW8468260B	130056GW02932X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-55	SW8468260B	130056GW02932X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-56	SW8468260B	130056GW02937X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-56	SW8468260B	130056GW02937X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-56	SW8468260B	130056GW02937X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-56	SW8468260B	130056GW02937X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-56	SW8468260B	130056GW02937X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM

TABLE 3
SUMMARY OF DATA VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group	Lab Sample Id	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M96612	M96612-56	SW8468260B	130056GW02937X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-57	SW8468260B	130056GW02942X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-57	SW8468260B	130056GW02942X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-57	SW8468260B	130056GW02942X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-57	SW8468260B	130056GW02942X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-57	SW8468260B	130056GW02942X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-57	SW8468260B	130056GW02942X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-58	SW8468260B	130056GW02947X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-58	SW8468260B	130056GW02947X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-58	SW8468260B	130056GW02947X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-58	SW8468260B	130056GW02947X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-58	SW8468260B	130056GW02947X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-58	SW8468260B	130056GW02947X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-59	SW8468260B	130056GW02952X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-59	SW8468260B	130056GW02952X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96612	M96612-59	SW8468260B	130056GW02952X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-59	SW8468260B	130056GW02952X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96612	M96612-59	SW8468260B	130056GW02952X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96612	M96612-59	SW8468260B	130056GW02952X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM

FOOTNOTES:

Validation Qualifiers-

U = Analyte was not detected above the method detection limit; concentration reported is the reporting limit

J = Value is estimated

Validation Qualifier Reason Codes-

MS-L = Matrix spike and/or matrix spike duplicate recovery below limit

MS-RPD = MS/MSD relative percent difference limit exceeded

LCS-RPD = Laboratory control sample/laboratory control sample duplicate RPD limit exceeded

CCV%D = Continuing calibration percent difference limit exceeded

TABLE 3
SUMMARY OF DATA VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSEPEQUA, NEW YORK

Sample Delivery Group	Lab Sample Id	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M96680	M96680-1	SW8468260B	130056GW01812X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-1	SW8468260B	130056GW01812X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-1	SW8468260B	130056GW01812X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-1	SW8468260B	130056GW01812X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-1	SW8468260B	130056GW01812X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-1	SW8468260B	130056GW01812X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-10	SW8468260B	130056GW01912X	Acetone	5	U	5	UJ	MS-RPD	ug/l	ACTM
M96680	M96680-10	SW8468260B	130056GW01912X	Bromomethane	2	U	2	UJ	CCV%D, MS-L, MS-RPD	ug/l	ACTM
M96680	M96680-10	SW8468260B	130056GW01912X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-10	SW8468260B	130056GW01912X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D, LCS-L	ug/l	ACTM
M96680	M96680-11	SW8468260B	130056GW01917X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-11	SW8468260B	130056GW01917X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-11	SW8468260B	130056GW01917X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D, LCS-L	ug/l	ACTM
M96680	M96680-12	SW8468260B	130056GW01922X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-12	SW8468260B	130056GW01922X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-12	SW8468260B	130056GW01922X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D, LCS-L	ug/l	ACTM
M96680	M96680-13	SW8468260B	130056GW01927X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-13	SW8468260B	130056GW01927X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-13	SW8468260B	130056GW01927X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D, LCS-L	ug/l	ACTM
M96680	M96680-14	SW8468260B	130056GW01932X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-14	SW8468260B	130056GW01932X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-14	SW8468260B	130056GW01932X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D, LCS-L	ug/l	ACTM
M96680	M96680-15	SW8468260B	130056GW01937X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-15	SW8468260B	130056GW01937X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-15	SW8468260B	130056GW01937X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D, LCS-L	ug/l	ACTM
M96680	M96680-16	SW8468260B	130056GW01942X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-16	SW8468260B	130056GW01942X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-16	SW8468260B	130056GW01942X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D, LCS-L	ug/l	ACTM
M96680	M96680-17	SW8468260B	130056GW01947X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-17	SW8468260B	130056GW01947X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-17	SW8468260B	130056GW01947X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D, LCS-L	ug/l	ACTM
M96680	M96680-18	SW8468260B	130056GW01952X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-18	SW8468260B	130056GW01952X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-18	SW8468260B	130056GW01952X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D, LCS-L	ug/l	ACTM
M96680	M96680-19	SW8468260B	130056GW02007X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-19	SW8468260B	130056GW02007X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-19	SW8468260B	130056GW02007X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D, LCS-L	ug/l	ACTM
M96680	M96680-2	SW8468260B	130056GW01817X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-2	SW8468260B	130056GW01817X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-2	SW8468260B	130056GW01817X	2-Butanone	5	U	5	UJ	MS-L	ug/l	ACTM
M96680	M96680-2	SW8468260B	130056GW01817X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-2	SW8468260B	130056GW01817X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-2	SW8468260B	130056GW01817X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-2	SW8468260B	130056GW01817X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	1,1,1-Trichloroethane	1	U	1	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	1,1,2,2-Tetrachloroethane	1	U	1	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	1,1,2-Trichloro-1,2,2-Trifluoroethane	5	U	5	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	1,1,2-Trichloroethane	1	U	1	UJ	SS-L	ug/l	ACTM

TABLE 3
SUMMARY OF DATA VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group	Lab Sample Id	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M96680	M96680-20	SW8468260B	130056GW02017X	1,1-Dichloroethane	1	U	1	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	1,1-Dichloroethene	1	U	1	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	1,2,4-Trichlorobenzene	5	U	5	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	1,2-Dibromo-3-chloropropane	5	U	5	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	1,2-Dibromoethane	2	U	2	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	1,2-Dichlorobenzene	1	U	1	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	1,2-Dichloroethane	1	U	1	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	1,2-Dichloropropane	2	U	2	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	1,3-Dichlorobenzene	1	U	1	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	1,4-Dichlorobenzene	1	U	1	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	2-Butanone	5	U	5	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	2-Hexanone	5	U	5	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	4-Methyl-2-pentanone	5	U	5	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Acetic acid, methyl ester	5	U	5	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Acetone	5	U	5	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Benzene	0.5	U	0.5	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Bromodichloromethane	1	U	1	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Bromoform	1	U	1	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Bromomethane	2	U	2	UJ	CCV%D, SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Carbon disulfide	5	U	5	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Carbon tetrachloride	1	U	1	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Chlorobenzene	1	U	1	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Chlorodibromomethane	1	U	1	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Chloroethane	2	U	2	UJ	CCV%D, SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Chloroform	1	U	1	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Chloromethane	2	U	2	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Cis-1,2-Dichloroethene	1	U	1	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	cis-1,3-Dichloropropene	0.5	U	0.5	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Cyclohexane	5	U	5	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D, LCS-L, SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Ethyl benzene	1	U	1	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Isopropylbenzene	5	U	5	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Methyl cyclohexane	5	U	5	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Methyl Tertbutyl Ether	1	U	1	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Methylene chloride	2	U	2	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Styrene	5	U	5	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Tetrachloroethene	1	U	1	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Toluene	1	U	1	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	trans-1,2-Dichloroethene	1	U	1	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Trichloroethene	1	U	1	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Trichlorofluoromethane	1	U	1	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Vinyl chloride	1	U	1	UJ	SS-L	ug/l	ACTM
M96680	M96680-20	SW8468260B	130056GW02017X	Xylenes, Total	1	U	1	UJ	SS-L	ug/l	ACTM
M96680	M96680-21	SW8468260B	130056GW02017D	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-21	SW8468260B	130056GW02017D	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-21	SW8468260B	130056GW02017D	Dichlorodifluoromethane	2	U	2	UJ	CCV%D, LCS-L	ug/l	ACTM
M96680	M96680-22	SW8468260B	130056GW02022X	1,1-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM

TABLE 3
SUMMARY OF DATA VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group	Lab Sample Id	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M96680	M96680-22	SW8468260B	130056GW02022X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-22	SW8468260B	130056GW02022X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-22	SW8468260B	130056GW02022X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-22	SW8468260B	130056GW02022X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-22	SW8468260B	130056GW02022X	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-22	SW8468260B	130056GW02022X	Chloroethane	2	U	2	UJ	CCV%D, LCS-L	ug/l	ACTM
M96680	M96680-22	SW8468260B	130056GW02022X	Methylene chloride	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-22	SW8468260B	130056GW02022X	Tetrachloroethene	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-23	SW8468260B	130056GW02022D	1,1-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-23	SW8468260B	130056GW02022D	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-23	SW8468260B	130056GW02022D	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-23	SW8468260B	130056GW02022D	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-23	SW8468260B	130056GW02022D	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-23	SW8468260B	130056GW02022D	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-23	SW8468260B	130056GW02022D	Chloroethane	2	U	2	UJ	CCV%D, LCS-L	ug/l	ACTM
M96680	M96680-23	SW8468260B	130056GW02022D	Methylene chloride	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-23	SW8468260B	130056GW02022D	Tetrachloroethene	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-24	SW8468260B	130056GW02027X	1,1-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-24	SW8468260B	130056GW02027X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-24	SW8468260B	130056GW02027X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-24	SW8468260B	130056GW02027X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-24	SW8468260B	130056GW02027X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-24	SW8468260B	130056GW02027X	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-24	SW8468260B	130056GW02027X	Chloroethane	2	U	2	UJ	CCV%D, LCS-L	ug/l	ACTM
M96680	M96680-24	SW8468260B	130056GW02027X	Methylene chloride	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-24	SW8468260B	130056GW02027X	Tetrachloroethene	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-25	SW8468260B	130056GW02032X	1,1-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-25	SW8468260B	130056GW02032X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-25	SW8468260B	130056GW02032X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-25	SW8468260B	130056GW02032X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-25	SW8468260B	130056GW02032X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-25	SW8468260B	130056GW02032X	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-25	SW8468260B	130056GW02032X	Chloroethane	2	U	2	UJ	CCV%D, LCS-L	ug/l	ACTM
M96680	M96680-25	SW8468260B	130056GW02032X	Methylene chloride	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-25	SW8468260B	130056GW02032X	Tetrachloroethene	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-26	SW8468260B	130056GW02037X	1,1-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-26	SW8468260B	130056GW02037X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-26	SW8468260B	130056GW02037X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-26	SW8468260B	130056GW02037X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-26	SW8468260B	130056GW02037X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-26	SW8468260B	130056GW02037X	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-26	SW8468260B	130056GW02037X	Chloroethane	2	U	2	UJ	CCV%D, LCS-L	ug/l	ACTM
M96680	M96680-26	SW8468260B	130056GW02037X	Methylene chloride	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-26	SW8468260B	130056GW02037X	Tetrachloroethene	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-27	SW8468260B	130056GW02042X	1,1-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-27	SW8468260B	130056GW02042X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-27	SW8468260B	130056GW02042X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-27	SW8468260B	130056GW02042X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM

TABLE 3
SUMMARY OF DATA VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group	Lab Sample Id	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M96680	M96680-27	SW8468260B	130056GW02042X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-27	SW8468260B	130056GW02042X	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-27	SW8468260B	130056GW02042X	Chloroethane	2	U	2	UJ	CCV%D, LCS-L	ug/l	ACTM
M96680	M96680-27	SW8468260B	130056GW02042X	Methylene chloride	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-27	SW8468260B	130056GW02042X	Tetrachloroethene	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-28	SW8468260B	130056GW02047X	1,1-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-28	SW8468260B	130056GW02047X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-28	SW8468260B	130056GW02047X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-28	SW8468260B	130056GW02047X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-28	SW8468260B	130056GW02047X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-28	SW8468260B	130056GW02047X	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-28	SW8468260B	130056GW02047X	Chloroethane	2	U	2	UJ	CCV%D, LCS-L	ug/l	ACTM
M96680	M96680-28	SW8468260B	130056GW02047X	Methylene chloride	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-28	SW8468260B	130056GW02047X	Tetrachloroethene	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-29	SW8468260B	130056GW02052X	1,1-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-29	SW8468260B	130056GW02052X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-29	SW8468260B	130056GW02052X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-29	SW8468260B	130056GW02052X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-29	SW8468260B	130056GW02052X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-29	SW8468260B	130056GW02052X	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-29	SW8468260B	130056GW02052X	Chloroethane	2	U	2	UJ	CCV%D, LCS-L	ug/l	ACTM
M96680	M96680-29	SW8468260B	130056GW02052X	Methylene chloride	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-29	SW8468260B	130056GW02052X	Tetrachloroethene	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-3	SW8468260B	130056GW01822X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-3	SW8468260B	130056GW01822X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-3	SW8468260B	130056GW01822X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-3	SW8468260B	130056GW01822X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-3	SW8468260B	130056GW01822X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-3	SW8468260B	130056GW01822X	Tetrachloroethene	2.8		2.8	J	SS-H	ug/l	ACTM
M96680	M96680-3	SW8468260B	130056GW01822X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-30	SW8468260B	130056GW02312X	1,1-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-30	SW8468260B	130056GW02312X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-30	SW8468260B	130056GW02312X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-30	SW8468260B	130056GW02312X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-30	SW8468260B	130056GW02312X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-30	SW8468260B	130056GW02312X	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-30	SW8468260B	130056GW02312X	Chloroethane	2	U	2	UJ	CCV%D, LCS-L	ug/l	ACTM
M96680	M96680-30	SW8468260B	130056GW02312X	Methylene chloride	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-30	SW8468260B	130056GW02312X	Tetrachloroethene	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-31	SW8468260B	130056GW02317X	1,1-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-31	SW8468260B	130056GW02317X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-31	SW8468260B	130056GW02317X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-31	SW8468260B	130056GW02317X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-31	SW8468260B	130056GW02317X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-31	SW8468260B	130056GW02317X	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-31	SW8468260B	130056GW02317X	Chloroethane	2	U	2	UJ	CCV%D, LCS-L	ug/l	ACTM
M96680	M96680-31	SW8468260B	130056GW02317X	Methylene chloride	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-31	SW8468260B	130056GW02317X	Tetrachloroethene	1	U	1	UJ	CCV%D	ug/l	ACTM

TABLE 3
SUMMARY OF DATA VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group	Lab Sample Id	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M96680	M96680-32	SW8468260B	130056GW02322X	1,1-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-32	SW8468260B	130056GW02322X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-32	SW8468260B	130056GW02322X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-32	SW8468260B	130056GW02322X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-32	SW8468260B	130056GW02322X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-32	SW8468260B	130056GW02322X	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-32	SW8468260B	130056GW02322X	Chloroethane	2	U	2	UJ	CCV%D, LCS-L	ug/l	ACTM
M96680	M96680-32	SW8468260B	130056GW02322X	Methylene chloride	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-32	SW8468260B	130056GW02322X	Tetrachloroethene	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-33	SW8468260B	130056GW02327X	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-33	SW8468260B	130056GW02327X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-33	SW8468260B	130056GW02327X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-33	SW8468260B	130056GW02327X	Chloromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-33	SW8468260B	130056GW02327X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-34	SW8468260B	130056GW02332X	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-34	SW8468260B	130056GW02332X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-34	SW8468260B	130056GW02332X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-34	SW8468260B	130056GW02332X	Chloromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-34	SW8468260B	130056GW02332X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-35	SW8468260B	130056GW02337X	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-35	SW8468260B	130056GW02337X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-35	SW8468260B	130056GW02337X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-35	SW8468260B	130056GW02337X	Chloromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-35	SW8468260B	130056GW02337X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-36	SW8468260B	130056GW02342X	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-36	SW8468260B	130056GW02342X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-36	SW8468260B	130056GW02342X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-36	SW8468260B	130056GW02342X	Chloromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-36	SW8468260B	130056GW02342X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-37	SW8468260B	130056GW02347X	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-37	SW8468260B	130056GW02347X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-37	SW8468260B	130056GW02347X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-37	SW8468260B	130056GW02347X	Chloromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-37	SW8468260B	130056GW02347X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-38	SW8468260B	130056GW02352X	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-38	SW8468260B	130056GW02352X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-38	SW8468260B	130056GW02352X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-38	SW8468260B	130056GW02352X	Chloromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-38	SW8468260B	130056GW02352X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-39	SW8468260B	130056GW02612X	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-39	SW8468260B	130056GW02612X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-39	SW8468260B	130056GW02612X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-39	SW8468260B	130056GW02612X	Chloromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-39	SW8468260B	130056GW02612X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-4	SW8468260B	130056GW01827X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-4	SW8468260B	130056GW01827X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-4	SW8468260B	130056GW01827X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-4	SW8468260B	130056GW01827X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM

TABLE 3
SUMMARY OF DATA VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group	Lab Sample Id	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M96680	M96680-4	SW8468260B	130056GW01827X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-4	SW8468260B	130056GW01827X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-40	SW8468260B	130056GW02617X	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-40	SW8468260B	130056GW02617X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-40	SW8468260B	130056GW02617X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-40	SW8468260B	130056GW02617X	Chloromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-40	SW8468260B	130056GW02617X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-41	SW8468260B	130056GW02622X	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-41	SW8468260B	130056GW02622X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-41	SW8468260B	130056GW02622X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-41	SW8468260B	130056GW02622X	Chloromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-41	SW8468260B	130056GW02622X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-42	SW8468260B	130056GW02627X	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-42	SW8468260B	130056GW02627X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-42	SW8468260B	130056GW02627X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-42	SW8468260B	130056GW02627X	Chloromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-42	SW8468260B	130056GW02627X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-43	SW8468260B	130056GW02632X	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-43	SW8468260B	130056GW02632X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-43	SW8468260B	130056GW02632X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-43	SW8468260B	130056GW02632X	Chloromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-43	SW8468260B	130056GW02632X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-44	SW8468260B	130056GW02637X	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-44	SW8468260B	130056GW02637X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-44	SW8468260B	130056GW02637X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-44	SW8468260B	130056GW02637X	Chloromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-44	SW8468260B	130056GW02637X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-45	SW8468260B	130056GW02642X	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-45	SW8468260B	130056GW02642X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-45	SW8468260B	130056GW02642X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-45	SW8468260B	130056GW02642X	Chloromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-45	SW8468260B	130056GW02642X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-46	SW8468260B	130056GW02647X	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-46	SW8468260B	130056GW02647X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-46	SW8468260B	130056GW02647X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-46	SW8468260B	130056GW02647X	Chloromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-46	SW8468260B	130056GW02647X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-47	SW8468260B	130056GW02652X	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-47	SW8468260B	130056GW02652X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-47	SW8468260B	130056GW02652X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-47	SW8468260B	130056GW02652X	Chloromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-47	SW8468260B	130056GW02652X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-48	SW8468260B	130056GW03012X	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-48	SW8468260B	130056GW03012X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-48	SW8468260B	130056GW03012X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-48	SW8468260B	130056GW03012X	Chloromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-48	SW8468260B	130056GW03012X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-49	SW8468260B	130056GW03017X	1,1-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM

TABLE 3
SUMMARY OF DATA VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group	Lab Sample Id	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M96680	M96680-49	SW8468260B	130056GW03017X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-49	SW8468260B	130056GW03017X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-49	SW8468260B	130056GW03017X	2-Butanone	5	U	5	UJ	MS-L	ug/l	ACTM
M96680	M96680-49	SW8468260B	130056GW03017X	Acetone	5	U	5	UJ	MS-L	ug/l	ACTM
M96680	M96680-49	SW8468260B	130056GW03017X	Bromoform	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-49	SW8468260B	130056GW03017X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-49	SW8468260B	130056GW03017X	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-49	SW8468260B	130056GW03017X	Chloroethane	2	U	2	UJ	CCV%D, LCS-L	ug/l	ACTM
M96680	M96680-49	SW8468260B	130056GW03017X	Methylene chloride	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-49	SW8468260B	130056GW03017X	Tetrachloroethene	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-5	SW8468260B	130056GW01832X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-5	SW8468260B	130056GW01832X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-5	SW8468260B	130056GW01832X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-5	SW8468260B	130056GW01832X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-5	SW8468260B	130056GW01832X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-5	SW8468260B	130056GW01832X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-50	SW8468260B	130056GW03022X	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-50	SW8468260B	130056GW03022X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-50	SW8468260B	130056GW03022X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-50	SW8468260B	130056GW03022X	Chloromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-50	SW8468260B	130056GW03022X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-51	SW8468260B	130056GW03027X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-51	SW8468260B	130056GW03027X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-51	SW8468260B	130056GW03027X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-51	SW8468260B	130056GW03027X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-51	SW8468260B	130056GW03027X	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-51	SW8468260B	130056GW03027X	Chloroethane	2	U	2	UJ	LCS-L	ug/l	ACTM
M96680	M96680-51	SW8468260B	130056GW03027X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-52	SW8468260B	130056GW03032X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-52	SW8468260B	130056GW03032X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-52	SW8468260B	130056GW03032X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-52	SW8468260B	130056GW03032X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-52	SW8468260B	130056GW03032X	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-52	SW8468260B	130056GW03032X	Chloroethane	2	U	2	UJ	LCS-L	ug/l	ACTM
M96680	M96680-52	SW8468260B	130056GW03032X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-53	SW8468260B	130056GW03037X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-53	SW8468260B	130056GW03037X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-53	SW8468260B	130056GW03037X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-53	SW8468260B	130056GW03037X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-53	SW8468260B	130056GW03037X	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-53	SW8468260B	130056GW03037X	Chloroethane	2	U	2	UJ	LCS-L	ug/l	ACTM
M96680	M96680-53	SW8468260B	130056GW03037X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-54	SW8468260B	130056GW03042X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-54	SW8468260B	130056GW03042X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-54	SW8468260B	130056GW03042X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-54	SW8468260B	130056GW03042X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-54	SW8468260B	130056GW03042X	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-54	SW8468260B	130056GW03042X	Chloroethane	2	U	2	UJ	LCS-L	ug/l	ACTM

TABLE 3
SUMMARY OF DATA VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group	Lab Sample Id	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M96680	M96680-54	SW8468260B	130056GW03042X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-55	SW8468260B	130056GW03047X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-55	SW8468260B	130056GW03047X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-55	SW8468260B	130056GW03047X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-55	SW8468260B	130056GW03047X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-55	SW8468260B	130056GW03047X	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-55	SW8468260B	130056GW03047X	Chloroethane	2	U	2	UJ	LCS-L	ug/l	ACTM
M96680	M96680-55	SW8468260B	130056GW03047X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-56	SW8468260B	130056GW03052X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-56	SW8468260B	130056GW03052X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-56	SW8468260B	130056GW03052X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-56	SW8468260B	130056GW03052X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-56	SW8468260B	130056GW03052X	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-56	SW8468260B	130056GW03052X	Chloroethane	2	U	2	UJ	LCS-L	ug/l	ACTM
M96680	M96680-56	SW8468260B	130056GW03052X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-57	SW8468260B	130056GW03112X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-57	SW8468260B	130056GW03112X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-57	SW8468260B	130056GW03112X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-57	SW8468260B	130056GW03112X	Acetone	5	U	5	UJ	MS-L	ug/l	ACTM
M96680	M96680-57	SW8468260B	130056GW03112X	Bromomethane	2	U	2	UJ	MS-L	ug/l	ACTM
M96680	M96680-57	SW8468260B	130056GW03112X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-57	SW8468260B	130056GW03112X	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-57	SW8468260B	130056GW03112X	Chloroethane	2	U	2	UJ	LCS-L, MS-L	ug/l	ACTM
M96680	M96680-57	SW8468260B	130056GW03112X	Chloromethane	2	U	2	UJ	MS-L	ug/l	ACTM
M96680	M96680-57	SW8468260B	130056GW03112X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-58	SW8468260B	130056GW03117X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-58	SW8468260B	130056GW03117X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-58	SW8468260B	130056GW03117X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-58	SW8468260B	130056GW03117X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-58	SW8468260B	130056GW03117X	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-58	SW8468260B	130056GW03117X	Chloroethane	2	U	2	UJ	LCS-L	ug/l	ACTM
M96680	M96680-58	SW8468260B	130056GW03117X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-59	SW8468260B	130056GW03122X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-59	SW8468260B	130056GW03122X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-59	SW8468260B	130056GW03122X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-59	SW8468260B	130056GW03122X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-59	SW8468260B	130056GW03122X	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-59	SW8468260B	130056GW03122X	Chloroethane	2	U	2	UJ	LCS-L	ug/l	ACTM
M96680	M96680-59	SW8468260B	130056GW03122X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-6	SW8468260B	130056GW01837X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-6	SW8468260B	130056GW01837X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-6	SW8468260B	130056GW01837X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-6	SW8468260B	130056GW01837X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-6	SW8468260B	130056GW01837X	Isopropylbenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-6	SW8468260B	130056GW01837X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-60	SW8468260B	130056GW03127X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-60	SW8468260B	130056GW03127X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-60	SW8468260B	130056GW03127X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM

TABLE 3
SUMMARY OF DATA VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group	Lab Sample Id	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M96680	M96680-60	SW8468260B	130056GW03127X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-60	SW8468260B	130056GW03127X	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-60	SW8468260B	130056GW03127X	Chloroethane	2	U	2	UJ	LCS-L	ug/l	ACTM
M96680	M96680-60	SW8468260B	130056GW03127X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-61	SW8468260B	130056GW03132X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-61	SW8468260B	130056GW03132X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-61	SW8468260B	130056GW03132X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-61	SW8468260B	130056GW03132X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-61	SW8468260B	130056GW03132X	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-61	SW8468260B	130056GW03132X	Chloroethane	2	U	2	UJ	LCS-L	ug/l	ACTM
M96680	M96680-61	SW8468260B	130056GW03132X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-62	SW8468260B	130056GW03137X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-62	SW8468260B	130056GW03137X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-62	SW8468260B	130056GW03137X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-62	SW8468260B	130056GW03137X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-62	SW8468260B	130056GW03137X	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-62	SW8468260B	130056GW03137X	Chloroethane	2	U	2	UJ	LCS-L	ug/l	ACTM
M96680	M96680-62	SW8468260B	130056GW03137X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-63	SW8468260B	130056GW03142X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-63	SW8468260B	130056GW03142X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-63	SW8468260B	130056GW03142X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-63	SW8468260B	130056GW03142X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-63	SW8468260B	130056GW03142X	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-63	SW8468260B	130056GW03142X	Chloroethane	2	U	2	UJ	LCS-L	ug/l	ACTM
M96680	M96680-63	SW8468260B	130056GW03142X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-64	SW8468260B	130056GW03147X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-64	SW8468260B	130056GW03147X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-64	SW8468260B	130056GW03147X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-64	SW8468260B	130056GW03147X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-64	SW8468260B	130056GW03147X	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-64	SW8468260B	130056GW03147X	Chloroethane	2	U	2	UJ	LCS-L	ug/l	ACTM
M96680	M96680-64	SW8468260B	130056GW03147X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-65	SW8468260B	130056GW03152X	1,2,4-Trichlorobenzene	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-65	SW8468260B	130056GW03152X	1,2-Dichloroethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-65	SW8468260B	130056GW03152X	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M96680	M96680-65	SW8468260B	130056GW03152X	Carbon tetrachloride	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-65	SW8468260B	130056GW03152X	Chlorodibromomethane	1	U	1	UJ	CCV%D	ug/l	ACTM
M96680	M96680-65	SW8468260B	130056GW03152X	Chloroethane	2	U	2	UJ	LCS-L	ug/l	ACTM
M96680	M96680-65	SW8468260B	130056GW03152X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-7	SW8468260B	130056GW01842X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-7	SW8468260B	130056GW01842X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-7	SW8468260B	130056GW01842X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D, LCS-L	ug/l	ACTM
M96680	M96680-8	SW8468260B	130056GW01847X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-8	SW8468260B	130056GW01847X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-8	SW8468260B	130056GW01847X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D, LCS-L	ug/l	ACTM
M96680	M96680-9	SW8468260B	130056GW01852X	Bromomethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-9	SW8468260B	130056GW01852X	Chloroethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M96680	M96680-9	SW8468260B	130056GW01852X	Dichlorodifluoromethane	2	U	2	UJ	CCV%D, LCS-L	ug/l	ACTM

TABLE 3
SUMMARY OF DATA VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group	Lab Sample Id	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
-----------------------	---------------	-----------------	-----------------	----------------	------------	---------------	------------------	----------------------	-----------------	--------------	--------

FOOTNOTES:

Validation Qualifiers-

U = Analyte was not detected above the method detection limit; concentration reported is the reporting limit

J = Value is estimated

Validation Qualifier Reason Codes-

SS-L = Surrogate recovery below limits

SS-H = Surrogate recovery above limits

MS-L = Matrix spike and/or matrix spike duplicate recovery below limit

MS-RPD = MS/MSD relative percent difference limit exceeded

LCS-L = Laboratory control sample recovery low

CCV%D = Continuing calibration percent difference limit exceeded

TABLE 3
SUMMARY OF DATA VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group	Lab Sample Id	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M97511	M97511-23	SW8466010C	130056MW01602204XX	Manganese	15.3		15.3	J	FD	ug/l	ACTM
M97511	M97511-24	SW8466010C	130056MW01602204XD	Manganese	15	U	15	UJ	FD	ug/l	ACTM
M97511	M97511-1	SW8468260B	130056MW00201404XX	1,2-Dibromo-3-chloropropane	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-1	SW8468260B	130056MW00201404XX	2-Butanone	5	U		R	ICVRRF, CCVRRF, CCV%D	ug/l	ACTM
M97511	M97511-1	SW8468260B	130056MW00201404XX	2-Hexanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-1	SW8468260B	130056MW00201404XX	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-1	SW8468260B	130056MW00201404XX	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-1	SW8468260B	130056MW00201404XX	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M97511	M97511-10	SW8468260B	130056MW00701704XX	1,2-Dibromo-3-chloropropane	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-10	SW8468260B	130056MW00701704XX	2-Butanone	5	U		R	ICVRRF, CCVRRF, CCV%D	ug/l	ACTM
M97511	M97511-10	SW8468260B	130056MW00701704XX	2-Hexanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-10	SW8468260B	130056MW00701704XX	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-10	SW8468260B	130056MW00701704XX	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-10	SW8468260B	130056MW00701704XX	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M97511	M97511-11	SW8468260B	130056MW08S01604XX	1,2-Dibromo-3-chloropropane	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-11	SW8468260B	130056MW08S01604XX	2-Butanone	5	U		R	ICVRRF, CCVRRF, CCV%D	ug/l	ACTM
M97511	M97511-11	SW8468260B	130056MW08S01604XX	2-Hexanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-11	SW8468260B	130056MW08S01604XX	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-11	SW8468260B	130056MW08S01604XX	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-11	SW8468260B	130056MW08S01604XX	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M97511	M97511-12	SW8468260B	130056MW08I03504XX	1,2-Dibromo-3-chloropropane	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-12	SW8468260B	130056MW08I03504XX	2-Butanone	5	U		R	ICVRRF, CCVRRF, CCV%D	ug/l	ACTM
M97511	M97511-12	SW8468260B	130056MW08I03504XX	2-Hexanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-12	SW8468260B	130056MW08I03504XX	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-12	SW8468260B	130056MW08I03504XX	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-12	SW8468260B	130056MW08I03504XX	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M97511	M97511-13	SW8468260B	130056MW08D07004XX	1,2-Dibromo-3-chloropropane	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-13	SW8468260B	130056MW08D07004XX	2-Butanone	5	U		R	ICVRRF, CCVRRF, CCV%D	ug/l	ACTM
M97511	M97511-13	SW8468260B	130056MW08D07004XX	2-Hexanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-13	SW8468260B	130056MW08D07004XX	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-13	SW8468260B	130056MW08D07004XX	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-13	SW8468260B	130056MW08D07004XX	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M97511	M97511-14	SW8468260B	130056MW00903504XX	1,2-Dibromo-3-chloropropane	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-14	SW8468260B	130056MW00903504XX	2-Butanone	5	U		R	ICVRRF, CCVRRF, CCV%D	ug/l	ACTM
M97511	M97511-14	SW8468260B	130056MW00903504XX	2-Hexanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-14	SW8468260B	130056MW00903504XX	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-14	SW8468260B	130056MW00903504XX	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-14	SW8468260B	130056MW00903504XX	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M97511	M97511-15	SW8468260B	130056MW01002504XX	2-Butanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-15	SW8468260B	130056MW01002504XX	Acetone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-16	SW8468260B	130056MW01102504XX	2-Butanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-16	SW8468260B	130056MW01102504XX	Acetone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-17	SW8468260B	130056MW01102504XD	2-Butanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-17	SW8468260B	130056MW01102504XD	Acetone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-18	SW8468260B	130056MW01201204XX	2-Butanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-18	SW8468260B	130056MW01201204XX	Acetone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-19	SW8468260B	130056MW01301204XX	2-Butanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-19	SW8468260B	130056MW01301204XX	Acetone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-2	SW8468260B	130056MW00301504XX	1,2-Dibromo-3-chloropropane	5	U	5	UJ	CCV%D	ug/l	ACTM

TABLE 3
SUMMARY OF DATA VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group	Lab Sample Id	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M97511	M97511-2	SW8468260B	130056MW00301504XX	2-Butanone	5	U		R	ICVRRF, CCVRRF, CCV%D	ug/l	ACTM
M97511	M97511-2	SW8468260B	130056MW00301504XX	2-Hexanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-2	SW8468260B	130056MW00301504XX	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-2	SW8468260B	130056MW00301504XX	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-2	SW8468260B	130056MW00301504XX	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M97511	M97511-20	SW8468260B	130056MW01402004XX	2-Butanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-20	SW8468260B	130056MW01402004XX	Acetone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-21	SW8468260B	130056MW015S00904XX	1,2-Dibromo-3-chloropropane	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-21	SW8468260B	130056MW015S00904XX	2-Butanone	5	U		R	ICVRRF, CCVRRF, CCV%D	ug/l	ACTM
M97511	M97511-21	SW8468260B	130056MW015S00904XX	2-Hexanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-21	SW8468260B	130056MW015S00904XX	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-21	SW8468260B	130056MW015S00904XX	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-21	SW8468260B	130056MW015S00904XX	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M97511	M97511-22	SW8468260B	130056MW015I02104XX	1,2-Dibromo-3-chloropropane	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-22	SW8468260B	130056MW015I02104XX	2-Butanone	5	U		R	ICVRRF, CCVRRF, CCV%D	ug/l	ACTM
M97511	M97511-22	SW8468260B	130056MW015I02104XX	2-Hexanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-22	SW8468260B	130056MW015I02104XX	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-22	SW8468260B	130056MW015I02104XX	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-22	SW8468260B	130056MW015I02104XX	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M97511	M97511-23	SW8468260B	130056MW01602204XX	1,2-Dibromo-3-chloropropane	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-23	SW8468260B	130056MW01602204XX	2-Butanone	5	U		R	ICVRRF, CCVRRF, CCV%D	ug/l	ACTM
M97511	M97511-23	SW8468260B	130056MW01602204XX	2-Hexanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-23	SW8468260B	130056MW01602204XX	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-23	SW8468260B	130056MW01602204XX	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-23	SW8468260B	130056MW01602204XX	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M97511	M97511-25	SW8468260B	130056MW1RR01904XX	1,2-Dibromo-3-chloropropane	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-25	SW8468260B	130056MW1RR01904XX	2-Butanone	5	U		R	ICVRRF, CCVRRF, CCV%D	ug/l	ACTM
M97511	M97511-25	SW8468260B	130056MW1RR01904XX	2-Hexanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-25	SW8468260B	130056MW1RR01904XX	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-25	SW8468260B	130056MW1RR01904XX	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-25	SW8468260B	130056MW1RR01904XX	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M97511	M97511-25	SW8468260B	130056MW1RR01904XX	trans-1,2-Dichloroethene	1	U	1	UJ	FD	ug/l	ACTM
M97511	M97511-26	SW8468260B	130056MW1RR01904XD	2-Butanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-26	SW8468260B	130056MW1RR01904XD	Acetone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-26	SW8468260B	130056MW1RR01904XD	trans-1,2-Dichloroethene	4.5		4.5	J	FD	ug/l	ACTM
M97511	M97511-27	SW8468260B	130056MW2RR01704XX	1,2-Dibromo-3-chloropropane	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-27	SW8468260B	130056MW2RR01704XX	2-Butanone	5	U		R	ICVRRF, CCVRRF, CCV%D	ug/l	ACTM
M97511	M97511-27	SW8468260B	130056MW2RR01704XX	2-Hexanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-27	SW8468260B	130056MW2RR01704XX	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-27	SW8468260B	130056MW2RR01704XX	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-27	SW8468260B	130056MW2RR01704XX	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M97511	M97511-28	SW8468260B	130056MW4MM01504XX	2-Butanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-28	SW8468260B	130056MW4MM01504XX	Acetone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-28	SW8468260B	130056MW4MM01504XX	Isopropylbenzene	49.4		49.4	J	LCS-H	ug/l	ACTM
M97511	M97511-29	SW8468260B	130056MW5MM01604XX	2-Butanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-29	SW8468260B	130056MW5MM01604XX	Acetone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-3	SW8468260B	130056MW03A08404XX	2-Butanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-3	SW8468260B	130056MW03A08404XX	Acetone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-30	SW8468260B	130056SW001XXX04XX	2-Butanone	5	U	5	UJ	CCV%D	ug/l	ACTM

TABLE 3
SUMMARY OF DATA VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group	Lab Sample Id	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M97511	M97511-30	SW8468260B	130056SW001XXX04XX	Acetone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-4	SW8468260B	130056MW03B06204XX	2-Butanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-4	SW8468260B	130056MW03B06204XX	Acetone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-5	SW8468260B	130056MW03C04804XX	2-Butanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-5	SW8468260B	130056MW03C04804XX	Acetone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-6	SW8468260B	130056MW03D06704XX	2-Butanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-6	SW8468260B	130056MW03D06704XX	Acetone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-7	SW8468260B	130056MW00401804XX	1,2-Dibromo-3-chloropropane	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-7	SW8468260B	130056MW00401804XX	2-Butanone	5	U		R	ICVRRF, CCVRRF, CCV%D	ug/l	ACTM
M97511	M97511-7	SW8468260B	130056MW00401804XX	2-Hexanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-7	SW8468260B	130056MW00401804XX	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-7	SW8468260B	130056MW00401804XX	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-7	SW8468260B	130056MW00401804XX	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M97511	M97511-8	SW8468260B	130056AS00502204XX	1,2-Dibromo-3-chloropropane	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-8	SW8468260B	130056AS00502204XX	2-Butanone	5	U		R	ICVRRF, CCVRRF, CCV%D	ug/l	ACTM
M97511	M97511-8	SW8468260B	130056AS00502204XX	2-Hexanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-8	SW8468260B	130056AS00502204XX	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-8	SW8468260B	130056AS00502204XX	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-8	SW8468260B	130056AS00502204XX	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M97511	M97511-9	SW8468260B	130056MW00601804XX	1,2-Dibromo-3-chloropropane	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-9	SW8468260B	130056MW00601804XX	2-Butanone	5	U		R	ICVRRF, CCVRRF, CCV%D, MS-RPD	ug/l	ACTM
M97511	M97511-9	SW8468260B	130056MW00601804XX	2-Hexanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-9	SW8468260B	130056MW00601804XX	4-Methyl-2-pentanone	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-9	SW8468260B	130056MW00601804XX	Acetic acid, methyl ester	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-9	SW8468260B	130056MW00601804XX	Dichlorodifluoromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
M97511	M97511-1	SW8468270C	130056MW00201404XX	4-Chloroaniline	10	U	10	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-1	SW8468270C	130056MW00201404XX	Caprolactum	10	U	10	UJ	LCS-L	ug/l	ACTM
M97511	M97511-1	SW8468270C	130056MW00201404XX	N-Nitrosodiphenylamine	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-10	SW8468270C	130056MW00701704XX	3,3'-Dichlorobenzidine	5	U	5	UJ	MS-RPD	ug/l	ACTM
M97511	M97511-10	SW8468270C	130056MW00701704XX	3-Nitroaniline	10	U	10	UJ	MS-RPD	ug/l	ACTM
M97511	M97511-10	SW8468270C	130056MW00701704XX	4-Chloroaniline	10	U	10	UJ	LCS-L, MS-L, MS-RPD	ug/l	ACTM
M97511	M97511-10	SW8468270C	130056MW00701704XX	Caprolactum	10	U	10	UJ	LCS-L, MS-L	ug/l	ACTM
M97511	M97511-11	SW8468270C	130056MW08S01604XX	4-Chloroaniline	10	U	10	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-11	SW8468270C	130056MW08S01604XX	Caprolactum	10	U	10	UJ	LCS-L	ug/l	ACTM
M97511	M97511-11	SW8468270C	130056MW08S01604XX	N-Nitrosodiphenylamine	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-12	SW8468270C	130056MW08I03504XX	4-Chloroaniline	10	U	10	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-12	SW8468270C	130056MW08I03504XX	Caprolactum	10	U	10	UJ	LCS-L	ug/l	ACTM
M97511	M97511-12	SW8468270C	130056MW08I03504XX	N-Nitrosodiphenylamine	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-13	SW8468270C	130056MW08D07004XX	4-Chloroaniline	10	U	10	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-13	SW8468270C	130056MW08D07004XX	Caprolactum	10	U	10	UJ	LCS-L	ug/l	ACTM
M97511	M97511-13	SW8468270C	130056MW08D07004XX	N-Nitrosodiphenylamine	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-14	SW8468270C	130056MW00903504XX	4-Chloroaniline	10	U	10	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-14	SW8468270C	130056MW00903504XX	Caprolactum	10	U	10	UJ	LCS-L	ug/l	ACTM
M97511	M97511-14	SW8468270C	130056MW00903504XX	N-Nitrosodiphenylamine	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-15	SW8468270C	130056MW01002504XX	4-Chloroaniline	10	U	10	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-15	SW8468270C	130056MW01002504XX	Caprolactum	10	U	10	UJ	LCS-L	ug/l	ACTM
M97511	M97511-15	SW8468270C	130056MW01002504XX	N-Nitrosodiphenylamine	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-16	SW8468270C	130056MW01102504XX	4-Chloroaniline	10	U	10	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-16	SW8468270C	130056MW01102504XX	Caprolactum	10	U	10	UJ	LCS-L	ug/l	ACTM

TABLE 3
SUMMARY OF DATA VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group	Lab Sample Id	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M97511	M97511-16	SW8468270C	130056MW01102504XX	N-Nitrosodiphenylamine	5.1	U	5.1	UJ	CCV%D	ug/l	ACTM
M97511	M97511-17	SW8468270C	130056MW01102504XD	4-Chloroaniline	10	U	10	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-17	SW8468270C	130056MW01102504XD	Caprolactum	10	U	10	UJ	LCS-L	ug/l	ACTM
M97511	M97511-17	SW8468270C	130056MW01102504XD	N-Nitrosodiphenylamine	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-18	SW8468270C	130056MW01201204XX	4-Chloroaniline	10	U	10	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-18	SW8468270C	130056MW01201204XX	Caprolactum	10	U	10	UJ	LCS-L	ug/l	ACTM
M97511	M97511-18	SW8468270C	130056MW01201204XX	N-Nitrosodiphenylamine	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-19	SW8468270C	130056MW01301204XX	4-Chloroaniline	10	U	10	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-19	SW8468270C	130056MW01301204XX	Caprolactum	10	U	10	UJ	LCS-L	ug/l	ACTM
M97511	M97511-19	SW8468270C	130056MW01301204XX	N-Nitrosodiphenylamine	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-2	SW8468270C	130056MW00301504XX	4-Chloroaniline	10	U	10	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-2	SW8468270C	130056MW00301504XX	Caprolactum	10	U	10	UJ	LCS-L	ug/l	ACTM
M97511	M97511-2	SW8468270C	130056MW00301504XX	N-Nitrosodiphenylamine	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-20	SW8468270C	130056MW01402004XX	4-Chloroaniline	10	U	10	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-20	SW8468270C	130056MW01402004XX	Caprolactum	10	U	10	UJ	LCS-L	ug/l	ACTM
M97511	M97511-20	SW8468270C	130056MW01402004XX	N-Nitrosodiphenylamine	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-21	SW8468270C	130056MW015S00904XX	4-Chloroaniline	10	U	10	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-21	SW8468270C	130056MW015S00904XX	Caprolactum	10	U	10	UJ	LCS-L	ug/l	ACTM
M97511	M97511-21	SW8468270C	130056MW015S00904XX	N-Nitrosodiphenylamine	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-22	SW8468270C	130056MW015I02104XX	4-Chloroaniline	10	U	10	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-22	SW8468270C	130056MW015I02104XX	Caprolactum	10	U	10	UJ	LCS-L	ug/l	ACTM
M97511	M97511-22	SW8468270C	130056MW015I02104XX	N-Nitrosodiphenylamine	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-23	SW8468270C	130056MW01602204XX	4-Chloroaniline	10	U	10	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-23	SW8468270C	130056MW01602204XX	Caprolactum	10	U	10	UJ	LCS-L	ug/l	ACTM
M97511	M97511-23	SW8468270C	130056MW01602204XX	N-Nitrosodiphenylamine	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-25	SW8468270C	130056MW1RR01904XX	4-Chloroaniline	10	U	10	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-25	SW8468270C	130056MW1RR01904XX	Caprolactum	10	U	10	UJ	LCS-L	ug/l	ACTM
M97511	M97511-25	SW8468270C	130056MW1RR01904XX	N-Nitrosodiphenylamine	5.2	U	5.2	UJ	CCV%D	ug/l	ACTM
M97511	M97511-26	SW8468270C	130056MW1RR01904XD	4-Chloroaniline	11	U	11	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-26	SW8468270C	130056MW1RR01904XD	Caprolactum	11	U	11	UJ	LCS-L	ug/l	ACTM
M97511	M97511-26	SW8468270C	130056MW1RR01904XD	N-Nitrosodiphenylamine	5.3	U	5.3	UJ	CCV%D	ug/l	ACTM
M97511	M97511-27	SW8468270C	130056MW2RR01704XX	4-Chloroaniline	11	U	11	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-27	SW8468270C	130056MW2RR01704XX	Caprolactum	11	U	11	UJ	LCS-L	ug/l	ACTM
M97511	M97511-27	SW8468270C	130056MW2RR01704XX	N-Nitrosodiphenylamine	5.3	U	5.3	UJ	CCV%D	ug/l	ACTM
M97511	M97511-28	SW8468270C	130056MW4MM01504XX	4-Chloroaniline	10	U	10	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-28	SW8468270C	130056MW4MM01504XX	Caprolactum	10	U	10	UJ	LCS-L	ug/l	ACTM
M97511	M97511-28	SW8468270C	130056MW4MM01504XX	N-Nitrosodiphenylamine	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-29	SW8468270C	130056MW5MM01604XX	4-Chloroaniline	10	U	10	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-29	SW8468270C	130056MW5MM01604XX	Caprolactum	10	U	10	UJ	LCS-L	ug/l	ACTM
M97511	M97511-29	SW8468270C	130056MW5MM01604XX	N-Nitrosodiphenylamine	5.2	U	5.2	UJ	CCV%D	ug/l	ACTM
M97511	M97511-3	SW8468270C	130056MW03A08404XX	4-Chloroaniline	10	U	10	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-3	SW8468270C	130056MW03A08404XX	Caprolactum	10	U	10	UJ	LCS-L	ug/l	ACTM
M97511	M97511-3	SW8468270C	130056MW03A08404XX	N-Nitrosodiphenylamine	5.2	U	5.2	UJ	CCV%D	ug/l	ACTM
M97511	M97511-30	SW8468270C	130056SW001XXX04XX	4-Chloroaniline	10	U	10	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-30	SW8468270C	130056SW001XXX04XX	Caprolactum	10	U	10	UJ	LCS-L	ug/l	ACTM
M97511	M97511-30	SW8468270C	130056SW001XXX04XX	N-Nitrosodiphenylamine	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-4	SW8468270C	130056MW03B06204XX	4-Chloroaniline	12	U	12	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-4	SW8468270C	130056MW03B06204XX	Caprolactum	12	U	12	UJ	LCS-L	ug/l	ACTM
M97511	M97511-4	SW8468270C	130056MW03B06204XX	N-Nitrosodiphenylamine	5.8	U	5.8	UJ	CCV%D	ug/l	ACTM

TABLE 3
SUMMARY OF DATA VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
DEC 2010 AND JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group	Lab Sample Id	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab Id
M97511	M97511-5	SW8468270C	130056MW03C04804XX	4-Chloroaniline	10	U	10	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-5	SW8468270C	130056MW03C04804XX	Caprolactum	10	U	10	UJ	LCS-L	ug/l	ACTM
M97511	M97511-5	SW8468270C	130056MW03C04804XX	N-Nitrosodiphenylamine	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-6	SW8468270C	130056MW03D06704XX	4-Chloroaniline	10	U	10	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-6	SW8468270C	130056MW03D06704XX	Caprolactum	10	U	10	UJ	LCS-L	ug/l	ACTM
M97511	M97511-6	SW8468270C	130056MW03D06704XX	N-Nitrosodiphenylamine	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-7	SW8468270C	130056MW00401804XX	4-Chloroaniline	10	U	10	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-7	SW8468270C	130056MW00401804XX	Caprolactum	10	U	10	UJ	LCS-L	ug/l	ACTM
M97511	M97511-7	SW8468270C	130056MW00401804XX	N-Nitrosodiphenylamine	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-8	SW8468270C	130056AS00502204XX	4-Chloroaniline	10	U	10	UJ	CCV%D, LCS-L	ug/l	ACTM
M97511	M97511-8	SW8468270C	130056AS00502204XX	Caprolactum	10	U	10	UJ	LCS-L	ug/l	ACTM
M97511	M97511-8	SW8468270C	130056AS00502204XX	N-Nitrosodiphenylamine	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-9	SW8468270C	130056MW00601804XX	2-Chlorophenol	5	U	5	UJ	MS-RPD	ug/l	ACTM
M97511	M97511-9	SW8468270C	130056MW00601804XX	2-Methylnaphthalene	5	U	5	UJ	MS-RPD	ug/l	ACTM
M97511	M97511-9	SW8468270C	130056MW00601804XX	2-Methylphenol	10	U	10	UJ	MS-RPD	ug/l	ACTM
M97511	M97511-9	SW8468270C	130056MW00601804XX	2-Nitrophenol	10	U	10	UJ	MS-RPD	ug/l	ACTM
M97511	M97511-9	SW8468270C	130056MW00601804XX	3,3'-Dichlorobenzidine	5	U	5	UJ	MS-L	ug/l	ACTM
M97511	M97511-9	SW8468270C	130056MW00601804XX	3-Nitroaniline	10	U	10	UJ	MS-L	ug/l	ACTM
M97511	M97511-9	SW8468270C	130056MW00601804XX	4-Chloroaniline	10	U	10	UJ	CCV%D, LCS-L, MS-L	ug/l	ACTM
M97511	M97511-9	SW8468270C	130056MW00601804XX	4-Nitroaniline	10	U	10	UJ	MS-RPD	ug/l	ACTM
M97511	M97511-9	SW8468270C	130056MW00601804XX	Acetophenone	10	U	10	UJ	MS-RPD	ug/l	ACTM
M97511	M97511-9	SW8468270C	130056MW00601804XX	Benzaldehyde	20	U	20	UJ	MS-RPD	ug/l	ACTM
M97511	M97511-9	SW8468270C	130056MW00601804XX	Bis(2-Chloroethoxy)methane	5	U	5	UJ	MS-RPD	ug/l	ACTM
M97511	M97511-9	SW8468270C	130056MW00601804XX	Bis(2-Chloroethyl)ether	5	U	5	UJ	MS-RPD	ug/l	ACTM
M97511	M97511-9	SW8468270C	130056MW00601804XX	Bis(2-Chloroisopropyl)ether	5	U	5	UJ	MS-RPD	ug/l	ACTM
M97511	M97511-9	SW8468270C	130056MW00601804XX	Caprolactum	10	U	10	UJ	LCS-L, MS-L	ug/l	ACTM
M97511	M97511-9	SW8468270C	130056MW00601804XX	Di-n-octylphthalate	5	U	5	UJ	MS-RPD	ug/l	ACTM
M97511	M97511-9	SW8468270C	130056MW00601804XX	Hexachlorobutadiene	5	U	5	UJ	MS-RPD	ug/l	ACTM
M97511	M97511-9	SW8468270C	130056MW00601804XX	Hexachlorocyclopentadiene	10	U	10	UJ	MS-RPD	ug/l	ACTM
M97511	M97511-9	SW8468270C	130056MW00601804XX	Hexachloroethane	5	U	5	UJ	MS-RPD	ug/l	ACTM
M97511	M97511-9	SW8468270C	130056MW00601804XX	Isophorone	5	U	5	UJ	MS-RPD	ug/l	ACTM
M97511	M97511-9	SW8468270C	130056MW00601804XX	N-Nitrosodi-n-propylamine	5	U	5	UJ	MS-RPD	ug/l	ACTM
M97511	M97511-9	SW8468270C	130056MW00601804XX	N-Nitrosodiphenylamine	5	U	5	UJ	CCV%D	ug/l	ACTM
M97511	M97511-9	SW8468270C	130056MW00601804XX	Naphthalene	5	U	5	UJ	MS-RPD	ug/l	ACTM
M97511	M97511-9	SW8468270C	130056MW00601804XX	Nitrobenzene	5	U	5	UJ	MS-RPD	ug/l	ACTM
M97511	M97511-9	SW8468270C	130056MW00601804XX	Phenol	5	U	5	UJ	MS-RPD	ug/l	ACTM

CCV%D = Continuing calibration percent difference limit exceeded

CCVRRF = Continuing calibration RRF below limit

FD = Field duplicate limit exceeded

FOOTNOTES:

ICVRRF = Initial calibration relative response factor (RRF) below limit

J = Value is estimated

LCS-L = Laboratory control sample recovery low

MS-L = Matrix spike and/or matrix spike duplicate recovery below limit

MS-RPD = MS/MSD relative percent difference limit exceeded

R = Result is rejected

U = Analyte was not detected above the method detection limit; concentration reported is the reporting limit

TABLE 4
TENTATIVELY IDENTIFIED COMPOUNDS
DATA USABILITY SUMMARY REPORT
DEC 2010 SAMPLING PROGRAM INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

SDG	Sample ID	Lab Sample ID	Analytical Method	CAS Number	Compound	Final Result (ug/L)	Qualifier	Analysis Date
M96680	130056GW01847X	M96680-8	SW846 8260B	75-19-4	Cyclopropane	57	JN	12/20/2010
M96680	130056GW01852X	M96680-9	SW846 8260B	109-67-1	1-Pentene	56	JN	12/20/2010
M96680	130056GW01852X	M96680-9	SW846 8260B	563-46-2	1-Butene, 2-methyl-	77	JN	12/20/2010
M96680	130056GW01927X	M96680-13	SW846 8260B	2610-95-9	2H-Pyran-2-one, tetrahydro-6,6-dimethyl-	54	JN	12/20/2010
M96680	130056GW01947X	M96680-17	SW846 8260B	12636-68-9	Vanadium, (.eta.7-cycloheptatrienylium)(57	JN	12/20/2010
M96680	130056GW02017D	M96680-21	SW846 8260B	513-35-9	2-Butene, 2-methyl-	55	JN	12/20/2010
M96680	130056GW02327X	M96680-33	SW846 8260B	109-67-1	1-Pentene	55	JN	12/21/2010
M96680	130056GW02332X	M96680-34	SW846 8260B	6921-27-3	1-Propyne, 3,3'-oxybis-	50	JN	12/21/2010
M96680	130056GW02612X	M96680-39	SW846 8260B	109-68-2	2-Pentene	92	JN	12/21/2010
M96680	130056GW02617X	M96680-40	SW846 8260B	115-07-1	Propene	60	JN	12/21/2010
M96680	130056GW03037X	M96680-53	SW846 8260B	1191-96-4	Cyclopropane, ethyl-	90	JN	12/22/2010
M96680	130056GW03037X	M96680-53	SW846 8260B	54340-76-0	1-Butanamine, N-nitro-N-propyl-	79	JN	12/22/2010
M96680	130056GW03037X	M96680-53	SW846 8260B	61142-01-6	Furan, tetrahydro-3-methyl-4-methylene-	77	JN	12/22/2010
M96680	130056GW03037X	M96680-53	SW846 8260B	75-19-4	Cyclopropane	75	JN	12/22/2010
M96612	130056GW02212X	M96612-12	SW846 8260B	109-67-1	1-Pentene	52	JN	12/17/2010
M96612	130056GW02212X	M96612-12	SW846 8260B	78-78-4	Butane, 2-methyl-	50	JN	12/17/2010
M96612	130056GW02237X	M96612-17	SW846 8260B	106-88-7	Oxirane, ethyl-	97	JN	12/17/2010
M96612	130056GW02237X	M96612-17	SW846 8260B	5145-01-7	2(3H)-Furanone, dihydro-3,5-dimethyl-	54	JN	12/17/2010
M96612	130056GW02252X	M96612-20	SW846 8260B	106-88-7	Oxirane, ethyl-	140	JN	12/17/2010
M96612	130056GW02252X	M96612-20	SW846 8260B	5145-01-7	2(3H)-Furanone, dihydro-3,5-dimethyl-	74	JN	12/17/2010
M96612	130056GW02252X	M96612-20	SW846 8260B	78-78-4	Butane, 2-methyl-	59	JN	12/17/2010
M96612	130056GW02427X	M96612-26	SW846 8260B	75-19-4	Cyclopropane	89	JN	12/17/2010
M96612	130056GW02447X	M96612-30	SW846 8260B	109-67-1	1-Pentene	51	JN	12/18/2010
M96612	130056GW02447X	M96612-30	SW846 8260B	75-19-4	Cyclopropane	90	JN	12/18/2010
M96612	130056GW02452X	M96612-31	SW846 8260B	109-67-1	1-Pentene	55	JN	12/18/2010
M96612	130056GW02512X	M96612-32	SW846 8260B	119-70-0	Benzenesulfonic acid, 5-amino-2-[(4-amin	58	JN	12/18/2010
M96612	130056GW02512X	M96612-32	SW846 8260B	1191-96-4	Cyclopropane, ethyl-	84	JN	12/18/2010
M96612	130056GW02517X	M96612-33	SW846 8260B	7446-09-5	Sulfur dioxide	77	JN	12/18/2010
M96612	130056GW02522X	M96612-34	SW846 8260B	1191-96-4	Cyclopropane, ethyl-	73	JN	12/18/2010
M96612	130056GW02527X	M96612-35	SW846 8260B	1191-96-4	Cyclopropane, ethyl-	75	JN	12/18/2010
M96612	130056GW02527X	M96612-35	SW846 8260B	78-78-4	Butane, 2-methyl-	53	JN	12/18/2010
M96612	130056GW02532X	M96612-36	SW846 8260B	1191-96-4	Cyclopropane, ethyl-	78	JN	12/18/2010
M96612	130056GW02532X	M96612-36	SW846 8260B	291-64-5	Cycloheptane	130	JN	12/18/2010
M96612	130056GW02532X	M96612-36	SW846 8260B	78-78-4	Butane, 2-methyl-	51	JN	12/18/2010
M96612	130056GW02537X	M96612-37	SW846 8260B	75-19-4	Cyclopropane, ethyl-	50	JN	12/18/2010
M96612	130056GW02537X	M96612-37	SW846 8260B	75-19-4	Cyclopropane	79	JN	12/18/2010
M96612	130056GW02547X	M96612-39	SW846 8260B	5145-01-7	2(3H)-Furanone, dihydro-3,5-dimethyl-	75	JN	12/18/2010
M96612	130056GW02547X	M96612-39	SW846 8260B	71-41-0	1-Pentanol	120	JN	12/18/2010
M96612	130056GW02547X	M96612-39	SW846 8260B	75-19-4	Cyclopropane	75	JN	12/18/2010
M96612	130056GW02552X	M96612-40	SW846 8260B	109-66-0	Pentane	82	JN	12/18/2010
M96612	130056GW02817X	M96612-43	SW846 8260B	106-98-9	1-Butene	64	JN	12/18/2010
M96612	130056GW02817X	M96612-43	SW846 8260B	109-67-1	1-Pentene	88	JN	12/18/2010
M96612	130056GW02817X	M96612-43	SW846 8260B	5963-74-6	Hydroxylamine, O-pentyl-	130	JN	12/18/2010
M96612	130056GW02822X	M96612-44	SW846 8260B	109-67-1	1-Pentene	58	JN	12/18/2010
M96612	130056GW02822X	M96612-44	SW846 8260B	111-66-0	1-Octene	100	JN	12/18/2010
M96612	130056GW02827X	M96612-45	SW846 8260B	111-66-0	1-Octene	78	JN	12/18/2010

FOOTNOTES:

Qualifiers

: evidence that the compound is present in the sample

TABLE 4
TENTATIVELY IDENTIFIED COMPOUNDS
DATA USABILITY SUMMARY REPORT
JAN/FEB 2011 SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

SDG	Sample ID	Lab Sample ID	Analytical Method	CAS Number	Compound	Final Result (ug/L)	Qualifier	Analysis Date
M97511	130056MW4MM01504XX	M97511-28	SW846 8260B	27133-93-3	2,3-Dihydro-1-methylindene	98	JN	2/7/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8260B	27133-93-3	2,3-Dihydro-1-methylindene	64	JN	2/7/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8260B	496-11-7	Indane	140	JN	2/7/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8260B	590-73-8	Hexane, 2,2-dimethyl-	81	JN	2/7/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8260B	622-96-8	Benzene, 1-ethyl-4-methyl-	120	JN	2/7/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8260B	78-78-4	Butane, 2-methyl-	510	JN	2/7/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8260B	95-93-2	Benzene, 1,2,4,5-tetramethyl-	58	JN	2/7/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8260B	95-93-2	Benzene, 1,2,4,5-tetramethyl-	77	JN	2/7/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8260B	96-14-0	Pentane, 3-methyl-	110	JN	2/7/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8260B	96-37-7	Cyclopentane, methyl-	140	JN	2/7/2011
M97511	130056MW08S01604XX	M97511-11	SW846 8270C	5717-37-3	(Carbathoxyethylidene)triphenylphosphora	38	JN	2/11/2011
M97511	130056MW08IQ3504XX	M97511-12	SW846 8270C	2605-67-6	Acetic acid, (triphenylphosphoranylidene	35	JN	2/11/2011
M97511	130056MW08D07004XX	M97511-13	SW846 8270C	2605-67-6	Acetic acid, (triphenylphosphoranylidene	32	JN	2/11/2011
M97511	130056MW00903504XX	M97511-14	SW846 8270C	2605-67-6	Acetic acid, (triphenylphosphoranylidene	34	JN	2/11/2011
M97511	130056MW01002504XX	M97511-15	SW846 8270C	2605-67-6	Acetic acid, (triphenylphosphoranylidene	35	JN	2/11/2011
M97511	130056MW01102504XX	M97511-16	SW846 8270C	791-28-6	Phosphine oxide, triphenyl-	36	JN	2/11/2011
M97511	130056MW01102504XD	M97511-17	SW846 8270C	5717-37-3	(Carbathoxyethylidene)triphenylphosphora	37	JN	2/11/2011
M97511	130056MW01201204XX	M97511-18	SW846 8270C	5717-37-3	(Carbathoxyethylidene)triphenylphosphora	30	JN	2/11/2011
M97511	130056MW01301204XX	M97511-19	SW846 8270C	791-28-6	Phosphine oxide, triphenyl-	28	JN	2/11/2011
M97511	130056MW01402004XX	M97511-20	SW846 8270C	2605-67-6	Acetic acid, (triphenylphosphoranylidene	27	JN	2/11/2011
M97511	130056MW01602204XX	M97511-23	SW846 8270C	58422-66-5	Ethaneperoxoic acid, 1-cyano-1-methyl-2-	7.7	JN	2/10/2011
M97511	130056MW2RR01704XX	M97511-27	SW846 8270C	108-11-2	2-Pentanol, 4-methyl-	5.7	JN	2/10/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8270C	100-43-6	Pyridine, 4-ethenyl-	8.7	JN	2/10/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8270C	140-66-9	Phenol, 4-(1,1,3,3-tetramethylbutyl)-	6.3	JN	2/10/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8270C	140-66-9	Phenol, 4-(1,1,3,3-tetramethylbutyl)-	7.5	JN	2/10/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8270C	141-93-5	Benzene, 1,3-diethyl-	17	JN	2/10/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8270C	141-93-5	Benzene, 1,3-diethyl-	9.9	JN	2/10/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8270C	2039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	25	JN	2/10/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8270C	2039-90-9	Benzene, 2-ethenyl-1,3-dimethyl-	12	JN	2/10/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8270C	25154-52-3	Phenol, nonyl-	11	JN	2/10/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8270C	25154-52-3	Phenol, nonyl-	8.2	JN	2/10/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8270C	25154-52-3	Phenol, nonyl-	7.9	JN	2/10/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8270C	3261-62-9	2-(p-Tolyl)ethylamine	19	JN	2/10/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8270C	496-11-7	Indane	36	JN	2/10/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8270C	526-73-8	Benzene, 1,2,3-trimethyl-	150	JN	2/10/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8270C	532-27-4	Ethanone, 2-chloro-1-phenyl-	42	JN	2/10/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8270C	620-14-4	Benzene, 1-ethyl-3-methyl-	12	JN	2/10/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8270C	620-23-5	Benzaldehyde, 3-methyl-	12	JN	2/10/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8270C	64-04-0	Benzeneethanamine	13	JN	2/10/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8270C	700-88-9	Benzene, cyclopentyl-	5.9	JN	2/10/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8270C	826-18-6	Benzene, 1-pentenyl-	6.2	JN	2/10/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8270C	94-59-7	1,3-Benzodioxole, 5-(2-propenyl)-	5.4	JN	2/10/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8270C	95-93-2	Benzene, 1,2,4,5-tetramethyl-	11	JN	2/10/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8270C	95-93-2	Benzene, 1,2,4,5-tetramethyl-	14	JN	2/10/2011
M97511	130056MW4MM01504XX	M97511-28	SW846 8270C	TIC2	Benzaldehyde, 4-benzoyloxy-2-fluoro-5-hyd	16	JN	2/10/2011
M97511	130056MW03A08404XX	M97511-3	SW846 8270C	7704-34-9	Sulfur	38	JN	2/11/2011
M97511	130056MW03A08404XX	M97511-3	SW846 8270C	TIC3	N,N'-Bis(pentamethylene)thiuramtetrasulf	4.3	JN	2/11/2011
M97511	130056MW03B06204XX	M97511-4	SW846 8270C	10544-50-0	Sulfur, mol. (S8)	5.3	JN	2/11/2011
M97511	130056MW03C04804XX	M97511-5	SW846 8270C	10544-50-0	Sulfur, mol. (S8)	5.6	JN	2/11/2011
M97511	130056MW03D06704XX	M97511-6	SW846 8270C	10544-50-0	Sulfur, mol. (S8)	5.7	JN	2/11/2011
M97511	130056MW03D06704XX	M97511-6	SW846 8270C	10544-50-0	Sulfur, mol. (S8)	40	JN	2/11/2011
M97511	130056MW00601804XX	M97511-9	SW846 8270C	791-28-6	Phosphine oxide, triphenyl-	41	JN	2/11/2011

FOOTNOTES:

Qualifiers

JN = estimated value with presumptive evidence that the compound is present in the sample

**DATA USABILITY SUMMARY REPORT
MARCH 2012 SURFACE WATER SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK**

1.0 INTRODUCTION

Surface water samples were collected during a sampling event complete on March 22, 2012 at the Gent Uniform Rental Service Site (Site) in Massapequa, New York and submitted for analysis to Accutest Laboratories located in Marlborough, Massachusetts. Results were reported in Sample Delivery Group (SDG) MC8964. A listing of samples included in this Data Usability Summary Report is presented in Table 1. A summary of the analytical results is presented in Table 2. A summary of samples qualified during this review is presented in Table 3 (Summary of Validation Actions).

Samples were analyzed for one or more of the following parameters:

- Volatile organic compounds (VOCs) by USEPA Method 8260B

Deliverables for the off-site laboratory analyses included a Category B deliverable as defined in the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocols (NYSDEC, 2005).

A project chemist review was completed based on NYSDEC Division of Environmental Remediation guidance for Data Usability Summary Reports (NYSDEC, 2010) for SDG MC8964. Laboratory quality control (QC) limits were used during the data evaluation unless noted otherwise. The project chemist review included evaluations of sample collection, data package completeness, holding times, QC data (blanks, instrument calibrations, duplicates, surrogate recovery, internal standard response, and spike recovery), data transcription, electronic data reporting, calculations, and data qualification.

The following laboratory or data validation qualifiers are used in the final data presentation.

U = target analyte is not detected at the reported detection limit

UJ = target analyte is not detected at the reported detection limit and is estimated

Results are interpreted to be usable as reported by the laboratory unless discussed in the following sections.

2.0 VOCs

Initial and Continuing Calibration

In the initial calibration, the percent relative standard deviations (RSD) for dichlorodifluoromethane (30), trichlorofluoromethane (26), carbon disulfide (27), cyclohexane (23), carbon tetrachloride (26), cis-1,3-dichloropropene (21), trans-1,3-dichloropropene (26),

and bromoform (36) exceeded the QC limit of 20. These compounds were not detected in samples, and the reporting limits were qualified estimated (UJ).

In the continuing calibration, the percent differences for chloromethane (23), carbon tetrachloride (-25), tetrachloroethene (-32), m,p-xylene (-30), o-xylene (-29), and styrene (-33) exceeded the QC limit of 20. Sample results for carbon tetrachloride were qualified previously under the initial calibration criteria. Chloromethane, tetrachloroethene, total-xylenes, and styrene were not detected in samples, and the reporting limits were qualified estimated (UJ).

Laboratory Control Samples

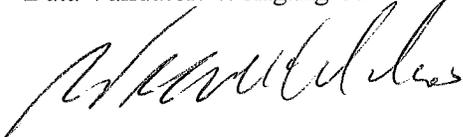
The LCS and/or LCSD percent recoveries of acetone (133) and dichlorodifluoromethane (66 and 66) were outside of the QC limits of 70 to 130. Acetone was not detected; no qualification was required. Dichlorodifluoromethane was not detected in samples, and reporting limits were qualified estimate (UJ).

Reference:

New York State Department of Environmental Conservation (NYSDEC), 2005. "Analytical Services Protocols"; July 2005.

New York State Department of Environmental Conservation (NYSDEC), 2010. "Technical Guidance for Site Investigation and Remediation-Appendix 2B"; DER-10; Division of Environmental Remediation; May 2010.

Data Validator: Wolfgang Calicchio



Date: April 12, 2012

Reviewed by Chris Ricardi, NRCC-EAC
Quality Assurance Officer



Date: April 30, 2012

TABLE 1
SUMMARY OF SAMPLES AND ANALYTICAL METHODS
DATA USABILITY SUMMARY REPORT
MARCH 2012 SURFACE WATER SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

SDG	Location	Sample Date	Sample ID	Qc Code	Class Method Fraction Media	VOC SW8468260B T
MC8964	QC	3/22/2012	130056-TB01	TB	BW	X
MC8964	SW-01	3/22/2012	130056-SW00101X	FS	SW	X
MC8964	SW-02	3/22/2012	130056-SW00201X	FS	SW	X

Notes:

BW = blank water
 FS = field sample
 QC = quality control
 SW = surface water
 TB = trip blank

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
DATA USABILITY SUMMARY REPORT
MARCH 2012 SURFACE WATER SAMPLING PROGRAM
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group			MC8964		MC8964		MC8964	
Location			QC		SW-01		SW-02	
Sample Date			3/22/2012		3/22/2012		3/22/2012	
Sample ID			130056-TB01		130056-SW00101X		130056-SW00201X	
Qc Code			TB		FS		FS	
Analysis	Parameter	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier
SW8468260B	1,1,1-Trichloroethane	ug/l	1	U	1	U	1	U
SW8468260B	1,1,2,2-Tetrachloroethane	ug/l	1	U	1	U	1	U
SW8468260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5	U	5	U	5	U
SW8468260B	1,1,2-Trichloroethane	ug/l	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethane	ug/l	1	U	1	U	1	U
SW8468260B	1,1-Dichloroethene	ug/l	1	U	1	U	1	U
SW8468260B	1,2,4-Trichlorobenzene	ug/l	5	U	5	U	5	U
SW8468260B	1,2-Dibromo-3-chloropropane	ug/l	5	U	5	U	5	U
SW8468260B	1,2-Dibromoethane	ug/l	2	U	2	U	2	U
SW8468260B	1,2-Dichlorobenzene	ug/l	1	U	1	U	1	U
SW8468260B	1,2-Dichloroethane	ug/l	1	U	1	U	1	U
SW8468260B	1,2-Dichloropropane	ug/l	2	U	2	U	2	U
SW8468260B	1,3-Dichlorobenzene	ug/l	1	U	1	U	1	U
SW8468260B	1,4-Dichlorobenzene	ug/l	1	U	1	U	1	U
SW8468260B	2-Butanone	ug/l	5	U	5	U	5	U
SW8468260B	2-Hexanone	ug/l	5	U	5	U	5	U
SW8468260B	4-Methyl-2-pentanone	ug/l	5	U	5	U	5	U
SW8468260B	Acetic acid, methyl ester	ug/l	5	U	5	U	5	U
SW8468260B	Acetone	ug/l	5	U	5	U	5	U
SW8468260B	Benzene	ug/l	0.5	U	0.5	U	0.5	U
SW8468260B	Bromodichloromethane	ug/l	1	U	1	U	1	U
SW8468260B	Bromoform	ug/l	1	U	1	UJ	1	UJ
SW8468260B	Bromomethane	ug/l	2	U	2	U	2	U
SW8468260B	Carbon disulfide	ug/l	5	U	5	UJ	5	UJ
SW8468260B	Carbon tetrachloride	ug/l	1	U	1	UJ	1	UJ
SW8468260B	Chlorobenzene	ug/l	1	U	1	U	1	U
SW8468260B	Chlorodibromomethane	ug/l	1	U	1	U	1	U
SW8468260B	Chloroethane	ug/l	2	U	2	U	2	U
SW8468260B	Chloroform	ug/l	1	U	1	U	1	U
SW8468260B	Chloromethane	ug/l	2	U	2	UJ	2	UJ
SW8468260B	Cis-1,2-Dichloroethene	ug/l	1	U	1	U	1	U
SW8468260B	cis-1,3-Dichloropropene	ug/l	0.5	U	0.5	UJ	0.5	UJ
SW8468260B	Cyclohexane	ug/l	5	U	5	UJ	5	UJ
SW8468260B	Dichlorodifluoromethane	ug/l	2	U	2	UJ	2	UJ
SW8468260B	Ethyl benzene	ug/l	1	U	1	UJ	1	UJ
SW8468260B	Isopropylbenzene	ug/l	5	U	5	U	5	U
SW8468260B	Methyl cyclohexane	ug/l	5	U	5	U	5	U
SW8468260B	Methyl Tertbutyl Ether	ug/l	1	U	1	U	1	U
SW8468260B	Methylene chloride	ug/l	2	U	2	U	2	U
SW8468260B	Styrene	ug/l	5	U	5	UJ	5	UJ
SW8468260B	Tetrachloroethene	ug/l	1	U	1	UJ	1	UJ
SW8468260B	Toluene	ug/l	1	U	1	U	1	U
SW8468260B	trans-1,2-Dichloroethene	ug/l	1	U	1	U	1	U
SW8468260B	trans-1,3-Dichloropropene	ug/l	0.5	U	0.5	UJ	0.5	UJ
SW8468260B	Trichloroethene	ug/l	1	U	1	U	1	U
SW8468260B	Trichlorofluoromethane	ug/l	1	U	1	UJ	1	UJ
SW8468260B	Vinyl chloride	ug/l	1	U	1	U	1	U
SW8468260B	Xylenes, Total	ug/l	1	U	1	UJ	1	UJ

Notes:
U = not detected
J = estimated
FS = field sample
TB = trip blank
QC = quality control

TABLE 3
SUMMARY OF VALIDATION ACTIONS
DATA USABILITY SUMMARY REPORT
MARCH 2012 SURFACE WATER SAMPLING PROGRAM
REMEDIATION INVESTIGATION/FEASIBILITY STUDY
GENT UNIFORM RENTAL SERVICE SITE
MASSAPEQUA, NEW YORK

Sample Delivery Group	Lab Sample ID	Analysis Method	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Validated Result	Validation Qualifier	Val Reason Code	Result Units	Lab ID
MC8964	MC8964-2	SW8468260B	130056-SW00101X	Bromoform	1	U	1	UJ	ICVRSD	ug/l	ACTM
MC8964	MC8964-3	SW8468260B	130056-SW00201X	Bromoform	1	U	1	UJ	ICVRSD	ug/l	ACTM
MC8964	MC8964-2	SW8468260B	130056-SW00101X	Carbon disulfide	5	U	5	UJ	ICVRSD	ug/l	ACTM
MC8964	MC8964-3	SW8468260B	130056-SW00201X	Carbon disulfide	5	U	5	UJ	ICVRSD	ug/l	ACTM
MC8964	MC8964-2	SW8468260B	130056-SW00101X	Carbon tetrachloride	1	U	1	UJ	ICVRSD, CCV%D	ug/l	ACTM
MC8964	MC8964-3	SW8468260B	130056-SW00201X	Carbon tetrachloride	1	U	1	UJ	ICVRSD, CCV%D	ug/l	ACTM
MC8964	MC8964-2	SW8468260B	130056-SW00101X	Chloromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
MC8964	MC8964-3	SW8468260B	130056-SW00201X	Chloromethane	2	U	2	UJ	CCV%D	ug/l	ACTM
MC8964	MC8964-2	SW8468260B	130056-SW00101X	cis-1,3-Dichloropropene	0.5	U	0.5	UJ	ICVRSD	ug/l	ACTM
MC8964	MC8964-3	SW8468260B	130056-SW00201X	cis-1,3-Dichloropropene	0.5	U	0.5	UJ	ICVRSD	ug/l	ACTM
MC8964	MC8964-2	SW8468260B	130056-SW00101X	Cyclohexane	5	U	5	UJ	ICVRSD	ug/l	ACTM
MC8964	MC8964-3	SW8468260B	130056-SW00201X	Cyclohexane	5	U	5	UJ	ICVRSD	ug/l	ACTM
MC8964	MC8964-2	SW8468260B	130056-SW00101X	Dichlorodifluoromethane	2	U	2	UJ	ICVRSD, LCS-L	ug/l	ACTM
MC8964	MC8964-3	SW8468260B	130056-SW00201X	Dichlorodifluoromethane	2	U	2	UJ	ICVRSD, LCS-L	ug/l	ACTM
MC8964	MC8964-2	SW8468260B	130056-SW00101X	Ethyl benzene	1	U	1	UJ	CCV%D	ug/l	ACTM
MC8964	MC8964-3	SW8468260B	130056-SW00201X	Ethyl benzene	1	U	1	UJ	CCV%D	ug/l	ACTM
MC8964	MC8964-2	SW8468260B	130056-SW00101X	Styrene	5	U	5	UJ	CCV%D	ug/l	ACTM
MC8964	MC8964-3	SW8468260B	130056-SW00201X	Styrene	5	U	5	UJ	CCV%D	ug/l	ACTM
MC8964	MC8964-2	SW8468260B	130056-SW00101X	Tetrachloroethene	1	U	1	UJ	CCV%D	ug/l	ACTM
MC8964	MC8964-3	SW8468260B	130056-SW00201X	Tetrachloroethene	1	U	1	UJ	CCV%D	ug/l	ACTM
MC8964	MC8964-2	SW8468260B	130056-SW00101X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	ICVRSD	ug/l	ACTM
MC8964	MC8964-3	SW8468260B	130056-SW00201X	trans-1,3-Dichloropropene	0.5	U	0.5	UJ	ICVRSD	ug/l	ACTM
MC8964	MC8964-2	SW8468260B	130056-SW00101X	Trichlorofluoromethane	1	U	1	UJ	ICVRSD	ug/l	ACTM
MC8964	MC8964-3	SW8468260B	130056-SW00201X	Trichlorofluoromethane	1	U	1	UJ	ICVRSD	ug/l	ACTM
MC8964	MC8964-2	SW8468260B	130056-SW00101X	Xylenes, Total	1	U	1	UJ	CCV%D	ug/l	ACTM
MC8964	MC8964-3	SW8468260B	130056-SW00201X	Xylenes, Total	1	U	1	UJ	CCV%D	ug/l	ACTM

Notes:

U = not detected

J = estimated

ICVRSD = initial calibration relative standard deviation limit exceeded

CCV%D = continuing calibration verification percent difference exceeded

LCS-L = laboratory control standard percent recovery low

APPENDIX G

MONITORED NATURAL ATTENUATION SCREENING PROTOCOL FORMS

Natural Attenuation Screening Protocol <small>The following is taken from the USEPA protocol (USEPA, 1998). The results of this scoring process have no regulatory significance.</small>	Interpretation		Score	MW-4 Score: 4 <i>Scroll to End of Table</i>
	Inadequate evidence for anaerobic biodegradation* of chlorinated organics		0 to 5	
	Limited evidence for anaerobic biodegradation* of chlorinated organics		6 to 14	
	Adequate evidence for anaerobic biodegradation* of chlorinated organics		15 to 20	
		Strong evidence for anaerobic biodegradation* of chlorinated organics	>20	

Analysis	Concentration in Most Contam. Zone	Interpretation	* reductive dechlorination		Points Awarded
			Yes	No	
Oxygen*	<0.5 mg/L	Tolerated, suppresses the reductive pathway at higher concentrations	<input type="radio"/>	<input checked="" type="radio"/>	0
	> 5mg/L	Not tolerated; however, VC may be oxidized aerobically	<input type="radio"/>	<input checked="" type="radio"/>	0
Nitrate*	<1 mg/L	At higher concentrations may compete with reductive pathway	<input checked="" type="radio"/>	<input type="radio"/>	2
Iron II*	>1 mg/L	Reductive pathway possible; VC may be oxidized under Fe(III)-reducing conditions	<input type="radio"/>	<input checked="" type="radio"/>	0
Sulfate*	<20 mg/L	At higher concentrations may compete with reductive pathway	<input checked="" type="radio"/>	<input type="radio"/>	2
Sulfide*	>1 mg/L	Reductive pathway possible	<input type="radio"/>	<input checked="" type="radio"/>	0
Methane*	>0.5 mg/L	Ultimate reductive daughter product, VC Accumulates	<input type="radio"/>	<input checked="" type="radio"/>	0
Oxidation Reduction Potential* (ORP)	<50 millivolts (mV)	Reductive pathway possible	<input type="radio"/>	<input checked="" type="radio"/>	0
	<-100mV	Reductive pathway likely	<input type="radio"/>	<input checked="" type="radio"/>	0
pH*	5 < pH < 9	Optimal range for reductive pathway	<input checked="" type="radio"/>	<input type="radio"/>	0
TOC	>20 mg/L	Carbon and energy source; drives dechlorination; can be natural or anthropogenic	<input type="radio"/>	<input checked="" type="radio"/>	0
Temperature*	>20°C	At T >20°C biochemical process is accelerated	<input type="radio"/>	<input checked="" type="radio"/>	0
Carbon Dioxide	>2x background	Ultimate oxidative daughter product	<input type="radio"/>	<input checked="" type="radio"/>	0
Alkalinity	>2x background	Results from interaction of carbon dioxide with aquifer minerals	<input type="radio"/>	<input checked="" type="radio"/>	0
Chloride*	>2x background	Daughter product of organic chlorine	<input type="radio"/>	<input checked="" type="radio"/>	0
Hydrogen	>1 nM	Reductive pathway possible, VC may accumulate	<input type="radio"/>	<input checked="" type="radio"/>	0
Volatile Fatty Acids	>0.1 mg/L	Intermediates resulting from biodegradation of aromatic compounds; carbon and energy source	<input type="radio"/>	<input checked="" type="radio"/>	0
BTEX*	>0.1 mg/L	Carbon and energy source; drives dechlorination	<input type="radio"/>	<input checked="" type="radio"/>	0
PCE*		Material released	<input checked="" type="radio"/>	<input type="radio"/>	0
TCE*		Daughter product of PCE ^{a/}	<input type="radio"/>	<input checked="" type="radio"/>	0
DCE*		Daughter product of TCE. If cis is greater than 80% of total DCE it is likely a daughter product of TCE ^{a/} ; 1,1-DCE can be a chem. reaction product of TCA	<input type="radio"/>	<input checked="" type="radio"/>	0
VC*		Daughter product of DCE ^{a/}	<input type="radio"/>	<input checked="" type="radio"/>	0
1,1,1-Trichloroethane*		Material released	<input type="radio"/>	<input checked="" type="radio"/>	0
DCA		Daughter product of TCA under reducing conditions	<input type="radio"/>	<input checked="" type="radio"/>	0
Carbon Tetrachloride		Material released	<input type="radio"/>	<input checked="" type="radio"/>	0
Chloroethane*		Daughter product of DCA or VC under reducing conditions	<input type="radio"/>	<input checked="" type="radio"/>	0
Ethene/Ethane	>0.01 mg/L	Daughter product of VC/ethene	<input type="radio"/>	<input checked="" type="radio"/>	0
	>0.1 mg/L	Daughter product of VC/ethene	<input type="radio"/>	<input checked="" type="radio"/>	0
Chloroform		Daughter product of Carbon Tetrachloride	<input type="radio"/>	<input checked="" type="radio"/>	0
Dichloromethane		Daughter product of Chloroform	<input type="radio"/>	<input checked="" type="radio"/>	0

* required analysis.

a/ Points awarded only if it can be shown that the compound is a daughter product (i.e., not a constituent of the source NAPL).

SCORE

Reset

Natural Attenuation Screening Protocol <small>The following is taken from the USEPA protocol (USEPA, 1998). The results of this scoring process have no regulatory significance.</small>	Interpretation		Score	<i>MW-10</i> Score: 9 <i>Scroll to End of Table</i>
	Inadequate evidence for anaerobic biodegradation* of chlorinated organics		0 to 5	
	Limited evidence for anaerobic biodegradation* of chlorinated organics		6 to 14	
	Adequate evidence for anaerobic biodegradation* of chlorinated organics		15 to 20	
		Strong evidence for anaerobic biodegradation* of chlorinated organics	>20	

Analysis	Concentration in Most Contam. Zone	Interpretation	* reductive dechlorination		Points Awarded
			Yes	No	
Oxygen*	<0.5 mg/L	Tolerated, suppresses the reductive pathway at higher concentrations	<input checked="" type="radio"/>	<input type="radio"/>	3
	> 5mg/L	Not tolerated; however, VC may be oxidized aerobically	<input type="radio"/>	<input checked="" type="radio"/>	0
Nitrate*	<1 mg/L	At higher concentrations may compete with reductive pathway	<input checked="" type="radio"/>	<input type="radio"/>	2
Iron II*	>1 mg/L	Reductive pathway possible; VC may be oxidized under Fe(III)-reducing conditions	<input type="radio"/>	<input checked="" type="radio"/>	0
Sulfate*	<20 mg/L	At higher concentrations may compete with reductive pathway	<input checked="" type="radio"/>	<input type="radio"/>	2
Sulfide*	>1 mg/L	Reductive pathway possible	<input type="radio"/>	<input checked="" type="radio"/>	0
Methane*	>0.5 mg/L	Ultimate reductive daughter product, VC Accumulates	<input type="radio"/>	<input checked="" type="radio"/>	0
Oxidation Reduction Potential* (ORP)	<50 millivolts (mV)	Reductive pathway possible	<input type="radio"/>	<input checked="" type="radio"/>	0
	<-100mV	Reductive pathway likely	<input type="radio"/>	<input checked="" type="radio"/>	0
pH*	5 < pH < 9	Optimal range for reductive pathway	<input checked="" type="radio"/>	<input type="radio"/>	0
TOC	>20 mg/L	Carbon and energy source; drives dechlorination; can be natural or anthropogenic	<input type="radio"/>	<input checked="" type="radio"/>	0
Temperature*	>20°C	At T >20°C biochemical process is accelerated	<input type="radio"/>	<input checked="" type="radio"/>	0
Carbon Dioxide	>2x background	Ultimate oxidative daughter product	<input type="radio"/>	<input checked="" type="radio"/>	0
Alkalinity	>2x background	Results from interaction of carbon dioxide with aquifer minerals	<input type="radio"/>	<input checked="" type="radio"/>	0
Chloride*	>2x background	Daughter product of organic chlorine	<input type="radio"/>	<input checked="" type="radio"/>	0
Hydrogen	>1 nM	Reductive pathway possible, VC may accumulate	<input type="radio"/>	<input checked="" type="radio"/>	0
Volatile Fatty Acids	>0.1 mg/L	Intermediates resulting from biodegradation of aromatic compounds; carbon and energy source	<input type="radio"/>	<input checked="" type="radio"/>	0
BTEX*	>0.1 mg/L	Carbon and energy source; drives dechlorination	<input type="radio"/>	<input checked="" type="radio"/>	0
PCE*		Material released	<input checked="" type="radio"/>	<input type="radio"/>	0
TCE*		Daughter product of PCE ^{a/}	<input checked="" type="radio"/>	<input type="radio"/>	2
DCE*		Daughter product of TCE. If cis is greater than 80% of total DCE it is likely a daughter product of TCE ^{a/} ; 1,1-DCE can be a chem. reaction product of TCA	<input type="radio"/>	<input checked="" type="radio"/>	0
VC*		Daughter product of DCE ^{a/}	<input type="radio"/>	<input checked="" type="radio"/>	0
1,1,1-Trichloroethane*		Material released	<input type="radio"/>	<input checked="" type="radio"/>	0
DCA		Daughter product of TCA under reducing conditions	<input type="radio"/>	<input checked="" type="radio"/>	0
Carbon Tetrachloride		Material released	<input type="radio"/>	<input checked="" type="radio"/>	0
Chloroethane*		Daughter product of DCA or VC under reducing conditions	<input type="radio"/>	<input checked="" type="radio"/>	0
Ethene/Ethane	>0.01 mg/L	Daughter product of VC/ethene	<input type="radio"/>	<input checked="" type="radio"/>	0
	>0.1 mg/L	Daughter product of VC/ethene	<input type="radio"/>	<input checked="" type="radio"/>	0
Chloroform		Daughter product of Carbon Tetrachloride	<input type="radio"/>	<input checked="" type="radio"/>	0
Dichloromethane		Daughter product of Chloroform	<input type="radio"/>	<input checked="" type="radio"/>	0

* required analysis.

a/ Points awarded only if it can be shown that the compound is a daughter product (i.e., not a constituent of the source NAPL).

SCORE

Reset

APPENDIX H

DETAILED COST ANALYSIS BACKUP

Appendix I - Alternative 2a and 2b Detailed Cost Backup
In-Situ Enhanced Biodegradation

Task	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Comments/ Assumptions
Subtask	Assembly (1)							
ALTERNATIVE CAPITAL COSTS								
Pre-Design Investigation								
Sampling Crew								
33010104	Sample collection, vehicle mileage charge, car or van	500	MI	\$ 0.49	\$ -	\$ -	\$ 245.00	RSMMeans 2004 ECHOS
33220108	Project Scientist	120	HR	\$ -	\$ 70.87	\$ -	\$ 8,504.40	RSMMeans 2004 ECHOS
33220112	Field Technician	60	HR	\$ -	\$ 39.13	\$ -	\$ 2,347.80	RSMMeans 2004 ECHOS
33010202	Per Diem	4.00	DAY	\$ 89.40	\$ -	\$ -	\$ 357.60	RSMMeans 2004 ECHOS
Surveying								
33029903	Ground penetrating radar	2	DAY	\$ 1,327.28	\$ -	\$ -	\$ 2,654.56	RSMMeans 2004 ECHOS
99041201	Surveying for new wells and proposed injection points - 2-man Crew	2	DAY	\$ -	\$ 1,004.76	\$ 240.97	\$ 2,491.46	RSMMeans 2004 ECHOS
Direct Push Rig								
	Geoprobe mob/demob	1	LS	\$ -	\$ -	\$ 525.00	\$ 525.00	Provided by Geologic
	Geoprobe and Crew	2	DAYS	\$ -	\$ 1,350.00	\$ -	\$ 2,700.00	Provided by Geologic, 80' per day, six sample locations to 30' deep
	Core Drill Rental with 6" Thin Wall	2	DAYS	\$ -	\$ -	\$ 125.00	\$ 250.00	Provided by Geologic, necessary to bore through pavement/concrete
	Per Diem	2	DAYS	\$ -	\$ 245.00	\$ -	\$ 490.00	Provided by Geologic
33231178	Move Rig/Equipment Around Site	5	EA	\$ 58.75	\$ 195.27	\$ 139.40	\$ 1,967.10	RSMMeans 2004 ECHOS
33231813	Portland Cement Grout	180	LF	\$ 9.78	\$ -	\$ -	\$ 1,760.40	RSMMeans 2004 ECHOS
33170808	Decontaminate Rig, Augers, Screen (Rental Equipment)	1	DAY	\$ 17.64	\$ 530.10	\$ -	\$ 547.74	RSMMeans 2004 ECHOS
Groundwater Sample Testing								
33021720	Testing, purgeable organics (624, 8260)	36	EA	\$ 146.90	\$ -	\$ -	\$ 5,288.40	six locations, up to six sample intervals
	Task Subtotal						\$ 30,129.46	
In-situ Enhanced Biodegradation Pilot Test/Bench-Scale Study								
	Estimated at 10% Capital Cost	1	LS		\$ 33,990.41		\$ 33,990.41	includes bench-scale study, soil/groundwater sampling and analysis, and pilot-scale injection
	Task Subtotal						\$ 33,990.41	
Institutional Controls								
33022037	Overnight Delivery, 8 oz Letter	4	EA	\$ 14.43	\$ -	\$ -	\$ 57.72	RSMMeans 2004 ECHOS
33220102	Project Manager	16	HR	\$ -	\$ 51.77	\$ -	\$ 828.32	RACER 2007
33220105	Project Engineer	20	HR	\$ -	\$ 50.20	\$ -	\$ 1,004.00	RACER 2007
33220106	Staff Engineer	40	HR	\$ -	\$ 43.93	\$ -	\$ 1,757.20	RACER 2007
33220110	QA/QC Officer	16	HR	\$ -	\$ 42.34	\$ -	\$ 677.44	RACER 2007
33220114	Word Processing/Clerical	40	HR	\$ -	\$ 22.35	\$ -	\$ 894.00	RACER 2007
33220115	Draftsman/CADD	40	HR	\$ -	\$ 29.22	\$ -	\$ 1,168.80	RACER 2007
33220120	Computer Data Entry	40	HR	\$ -	\$ 20.08	\$ -	\$ 803.20	RACER 2007
33220505	Attorney, Senior Associate, Real Estate	4	HR	\$ -	\$ 175.00	\$ -	\$ 700.00	RACER 2007
33220509	Paralegal, Real Estate	4	HR	\$ -	\$ 100.00	\$ -	\$ 400.00	RACER 2007
33240101	Other Direct Costs	1	LS	\$ 751.16	\$ -	\$ -	\$ 751.16	RACER 2007
99041205	Portable GPS Set with Mapping, 5 cm Accuracy	1	MO	\$ 689.22	\$ -	\$ -	\$ 689.22	RACER 2007
99130602	Local Fees	1	LS	\$ 200.00	\$ -	\$ -	\$ 200.00	RACER 2007
	Task Subtotal						\$ 9,931.06	

Appendix I - Alternative 2a and 2b Detailed Cost Backup
In-Situ Enhanced Biodegradation

Task Subtask	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Comments/ Assumptions
Assembly (1)								
Mobilization and Temporary Facilities and Controls (Alternative 2a)								
Temporary Utilities								
99040101	Temporary Office 20' x 8'	1.00	MO	\$ 206.42	\$ -	\$ -	206.42	RSMMeans 2004 ECHOS
99140201	Temporary Storage Trailer 16' x 8'	1.00	MO	\$ 80.72	\$ -	\$ -	80.72	RSMMeans 2004 ECHOS
99040501	Portable Toilets	1.00	MO	\$ 82.65	\$ -	\$ -	82.65	RSMMeans 2004 ECHOS
01510.050.0040	Temporary Power Service, overhead feed, 3 use, 200 amp	1.00	EA	\$ 745.00	\$ 335.00	\$ -	1,080.00	RSMMeans Site Work & Landscape Cost Data 2006
01520.550.0140	Telephone utility fee	1.00	MO	\$ 210.00	\$ -	\$ -	210.00	RSMMeans Site Work & Landscape Cost Data 2006
MACTEC	Electrical utility fee	1.00	MO	\$ 200.00	\$ -	\$ -	200.00	
01520.550.0100	Field office expenses, office equipment rental, average	1.00	MO	\$ 145.00	\$ -	\$ -	145.00	RSMMeans Site Work & Landscape Cost Data 2006
01560.250.0200	Rented chain link, 6' high, to 1,000'	1000	LF	\$ 3.03	\$ 1.10	\$ -	4,130.00	RSMMeans Site Work & Landscape Cost Data 2006
02220.350.0725	Dumpster, weekly rental, 1 dump/week, .20 cy capacity (8 tons)	4	WK	\$ 420.00	\$ -	\$ -	1,680.00	RSMMeans Site Work & Landscape Cost Data 2006
Decontamination Facility								
33290401	25 gpm, 1-1/2" discharge, cast iron sump pur	1	EA	\$ -	\$ -	\$ 2,317.00	2,317.00	RSMMeans 2004 ECHOS
33290704	50' Flexible, Product Discharge Hose	1	EA	\$ -	\$ -	\$ 175.00	175.00	RSMMeans 2004 ECHOS
02060.150.0300	3/4" crushed stone borrow, spread w/ 200 HP dozer, no compaction, 2 mi rt haul	28	CY	\$ 27.50	\$ 1.43	\$ 3.12	890.28	RSMMeans Site Work & Landscape Cost Data 2006, assume 30 ft by 25 ft by one foot thick
02315.310.5100	Compaction, General, riding vibrating roller, 12" lifts, 4 passes	28	ECY	\$ -	\$ 0.16	\$ 0.16	8.89	RSMMeans Site Work & Landscape Cost Data 2006
3308544	60-mil Polymeric Liner, Very Low Density P	83	SY	\$ 1.97	\$ -	\$ -	164.17	RSMMeans 2004 ECHOS, assume 30 ft by 25 ft
33080534	16 oz/sy nonwoven geotextile	83	SY	\$ 2.39	\$ -	\$ -	199.17	RSMMeans 2004 ECHOS
33170814	1,800 psi pressure washer, 6HP, 4.8 gpm	1	EA	\$ -	\$ -	\$ 1,635.00	1,635.00	RSMMeans 2004 ECHOS
19040605	2,000 gal steel sump, aboveground w/ supports and fittings	1	EA	\$ 2,233.00	\$ 853.69	\$ 123.26	3,209.95	RSMMeans 2004 ECHOS
33170823	Operation of pressure washer, including water, soap, electricity, and labor	80	HR	\$ -	\$ -	\$ 41.69	3,335.20	RSMMeans 2004 ECHOS, assume 4 hours per day, 5 days
33410101	Pump and motor maintenance/repair	1	EA	\$ -	\$ -	\$ 431.15	431.15	RSMMeans 2004 ECHOS
Task Subtotal							\$ 20,180.59	
Mobilization and Temporary Facilities and Controls (Alternative 2b)								
Temporary Utilities								
99040101	Temporary Office 20' x 8'	1.00	MO	\$ 206.42	\$ -	\$ -	206.42	RSMMeans 2004 ECHOS
99140201	Temporary Storage Trailer 16' x 8'	1.00	MO	\$ 80.72	\$ -	\$ -	80.72	RSMMeans 2004 ECHOS
99040501	Portable Toilets	1.00	MO	\$ 82.65	\$ -	\$ -	82.65	RSMMeans 2004 ECHOS
01510.050.0040	Temporary Power Service, overhead feed, 3 use, 200 amp	1.00	EA	\$ 745.00	\$ 335.00	\$ -	1,080.00	RSMMeans Site Work & Landscape Cost Data 2006
01520.550.0140	Telephone utility fee	1.00	MO	\$ 210.00	\$ -	\$ -	210.00	RSMMeans Site Work & Landscape Cost Data 2006
MACTEC	Electrical utility fee	1.00	MO	\$ 200.00	\$ -	\$ -	200.00	
01520.550.0100	Field office expenses, office equipment rental, average	1.00	MO	\$ 145.00	\$ -	\$ -	145.00	RSMMeans Site Work & Landscape Cost Data 2006
01560.250.0200	Rented chain link, 6' high, to 1,000'	1000	LF	\$ 3.03	\$ 1.10	\$ -	4,130.00	RSMMeans Site Work & Landscape Cost Data 2006
02220.350.0725	Dumpster, weekly rental, 1 dump/week, .20 cy capacity (8 tons)	4	WK	\$ 420.00	\$ -	\$ -	1,680.00	RSMMeans Site Work & Landscape Cost Data 2006

Appendix I - Alternative 2a and 2b Detailed Cost Backup
In-Situ Enhanced Biodegradation

Task	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Comments/ Assumptions
Subtask	Assembly (1)							
Decontamination Facility								
	33290401 25 gpm, 1-1/2" discharge, cast iron sump pump	1 EA		\$ -	\$ -	\$ 2,317.00	\$ 2,317.00	RSMMeans 2004 ECHOS
	33290704 50' Flexible, Product Discharge Hose	1 EA		\$ -	\$ -	\$ 175.00	\$ 175.00	RSMMeans 2004 ECHOS
02060.150.0300	3/4" crushed stone borrow, spread w/ 200 HP dozer, no compaction, 2 mi rt haul	28 CY		\$ 27.50	\$ 1.43	\$ 3.12	\$ 890.28	RSMMeans Site Work & Landscape Cost Data 2006, assume 30 ft by 25 ft by one foot thick
02315.310.5100	Compaction, General, riding vibrating roller, 12" lifts, 4 passes	28 ECY		\$ -	\$ 0.16	\$ 0.16	\$ 8.89	RSMMeans Site Work & Landscape Cost Data 2006
	3308544 60-mil Polymeric Liner, Very Low Density P	83 SY		\$ 1.97	\$ -	\$ -	\$ 164.17	RSMMeans 2004 ECHOS, assume 30 ft by 25 ft
	33080534 16 oz/sy nonwoven geotextile	83 SY		\$ 2.39	\$ -	\$ -	\$ 199.17	RSMMeans 2004 ECHOS
	33170814 1,800 psi pressure washer, 6HP, 4.8 gpm	1 EA		\$ -	\$ -	\$ 1,635.00	\$ 1,635.00	RSMMeans 2004 ECHOS
	19040605 2,000 gal steel sump, aboveground w/ supports and fittings	1 EA		\$ 2,233.00	\$ 853.69	\$ 123.26	\$ 3,209.95	RSMMeans 2004 ECHOS
	33170823 Operation of pressure washer, including water, soap, electricity, and labor	108 HR		\$ -	\$ -	\$ 41.69	\$ 4,502.52	RSMMeans 2004 ECHOS, assume 4 hours per day, 27 days
	33410101 Pump and motor maintenance/repair	1 EA		\$ -	\$ -	\$ 431.15	\$ 431.15	RSMMeans 2004 ECHOS
	Task Subtotal						\$ 21,347.91	
In-Situ Enhanced Biodegradation - South of Site								
Injection Well Installation								
	33220112 Field Technician	40 HR		\$ 9.50	\$ 35.00	\$ -	\$ 1,780.00	Total of 4 permanent injection wells. Assume 1/day. includes per diem
	33010102 Van Rental	4 DAY		\$ 38.48	\$ -	\$ -	\$ 153.92	
	33010101 Mobilize/Demobilize Drilling Rig & Crew	1 LS		\$ -	\$ 2,855.00	\$ 969.76	\$ 3,824.76	Assume level D
	33231178 Move Rig/Equipment Around Site	3 EA		\$ 58.00	\$ 100.80	\$ 139.40	\$ 894.60	
	33020303 Organic Vapor Analyzer Rental, per Day	4 DAY		\$ 115.88	\$ -	\$ -	\$ 463.51	
	33170808 Decontaminate Rig, Augers, Screen (Rental Equipment)	4 DAY		\$ -	\$ 108.60	\$ -	\$ 434.40	
Well Construction - Injection Well Row 1 (South of Site)								
	33231103 Hollow Stem Auger, 11" Dia Borehole, Depth <=100 ft	100 LF		\$ -	\$ 11.62	\$ 33.13	\$ 4,475.00	4 wells to 25 feet bgs
	33230122 4" Stainless Steel, Well Casing	40 LF		\$ 28.96	\$ 3.51	\$ 10.00	\$ 1,698.96	10 feet to top of well screen
	33230222 4" Stainless Steel, Well Screen	60 LF		\$ 28.96	\$ 3.51	\$ 10.00	\$ 2,548.44	15-foot screens
	33231402 4" Screen, Filter Pack	60 LF		\$ 5.50	\$ 3.51	\$ 10.00	\$ 1,140.70	
	33231802 4" Well, Grout	40 LF		\$ 5.09	\$ 19.98	\$ 57.00	\$ 3,282.62	
	33232102 4" Well, Bentonite Seal	4 EA		\$ 23.16	\$ 19.72	\$ 56.26	\$ 396.56	
	33231189 DOT steel drums, 55 gal., open,	12 EA		\$ 81.00	\$ -	\$ -	\$ 972.00	three drums per well
	20836142 Load soil into 55 gal drums	12 EA		\$ -	\$ 29.33	\$ -	\$ 351.96	
	33190303 Transport/Dispose (non-haz)	12 EA		\$ 255.77	\$ -	\$ -	\$ 3,069.24	
Injection Program								
	Vegetable Oil Based Substrate	1 LS		\$ 280,000.00	\$ -	\$ -	\$ 280,000.00	Estimate provided by XDD
	Appropriate Degradation Bacteria	1 LS		\$ 30,000.00	\$ -	\$ -	\$ 30,000.00	Estimate provided by XDD
	Injection	1 DAYS		\$ -	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00	Assumes 5 pts per day
	Oversight	5 DAYS		\$ 133.48	\$ 350.00	\$ -	\$ 2,417.40	4 days for well installation, 1 day for injection, 10 hour days
	Task Subtotal						\$ 339,904.07	

**Appendix I - Alternative 2a and 2b Detailed Cost Backup
 In-Situ Enhanced Biodegradation**

Task Subtask	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Comments/ Assumptions
Assembly (1)								
Additional In-Situ Enhanced Biodegradation - Roosevelt Boulevard								
Injection Well Installation								
							Total of 23 injection wells. Assume 1/day, includes per diem	
	33220112 Field Technician	230	HR	\$ 9.50	\$ 35.00	\$ -	\$ 10,235.00	
	33010102 Van Rental	23	DAY	\$ 38.48	\$ -	\$ -	\$ 885.04	
	33231178 Move Rig/Equipment Around Site	23	EA	\$ 58.00	\$ 100.80	\$ 139.40	\$ 6,858.62	
	33020303 Organic Vapor Analyzer Rental, per Day	23	DAY	\$ 115.88	\$ -	\$ -	\$ 2,665.17	
	33170808 Decontaminate Rig, Augers, Screen (Rental Equipment)	23	DAY	\$ -	\$ 108.60	\$ -	\$ 2,497.80	
Well Construction - Injection Well Row 2 (Roosevelt Boulevard)								
	33231103 Hollow Stem Auger, 11" Dia Borehole, Depth <=100 ft	690	LF	\$ -	\$ 11.62	\$ 33.13	\$ 30,877.50	23 wells to 30 feet bgs
	33230122 4" Stainless Steel, Well Casing	345	LF	\$ 28.96	\$ 3.51	\$ 10.00	\$ 14,653.53	15 feet to top of well screen
	33230222 4" Stainless Steel, Well Screen	345	LF	\$ 28.96	\$ 3.51	\$ 10.00	\$ 14,653.53	15-foot screens
	33231402 4" Screen, Filter Pack	345	LF	\$ 5.50	\$ 3.51	\$ 10.00	\$ 6,559.00	
	33231802 4" Well, Grout	345	LF	\$ 5.09	\$ 19.98	\$ 57.00	\$ 28,312.63	
	33232102 4" Well, Bentonite Seal	23	EA	\$ 23.16	\$ 19.72	\$ 56.26	\$ 2,280.24	
	33231189 DOT steel drums, 55 gal., open,	81	EA	\$ 81.00	\$ -	\$ -	\$ 6,561.00	three drums per well
	20836142 Load soil into 55 gal drums	81	EA	\$ -	\$ 29.33	\$ -	\$ 2,375.73	
	33190303 Transport/Dispose (non-haz)	81	EA	\$ 255.77	\$ -	\$ -	\$ 20,717.37	
Injection Program								
	Vegetable Oil Based Substrate	1	LS	\$ 300,000.00	\$ -	\$ -	\$ 300,000.00	Estimate provided by XDD
	Appropriate Degradation Bacteria	1	LS	\$ 50,000.00	\$ -	\$ -	\$ 50,000.00	Estimate provided by XDD
	Injection	5	DAYS	\$ -	\$ 1,000.00	\$ 1,000.00	\$ 10,000.00	Assumes 5 pts per day
	Oversight	28	DAYS	\$ 133.48	\$ 350.00	\$ -	\$ 13,537.44	23 days for well installation, 5 day for injection, 10 hour days
Task Subtotal							\$ 523,669.60	
ALTERNATIVE ANNUAL AND PERIODIC COSTS								
Periodic Institutional Control Inspections and Reporting								
MACTEC	Inspection	4	HR	\$ -	\$ 90.00	\$ 25.00	\$ 460.00	RACER 2006
MACTEC	Report	1	LS	\$ -	\$ 2,500.00	\$ -	\$ 2,500.00	RACER 2006
Task Subtotal							\$ 2,960.00	
Long-Term Monitoring (Years 1 through 30)								
Groundwater Monitoring (12 wells, quarterly, years 1 and 2)							Includes additional 20% for QC	
	33020401 Disposable Materials per Sample	48	EA	\$ 8.08	\$ -	\$ -	\$ 387.84	
	33020402 Decontamination Materials per Sample	48	EA	\$ 6.82	\$ -	\$ -	\$ 327.36	
	33021509 Monitor well sampling equipment, rental, water quality testing parameter device rental	3	WK	\$ 219.00	\$ -	\$ -	\$ 657.00	
	33021618 Volatile Organic Analysis (EPA 624) (624, 8260B)	48	EA	\$ 203.56	\$ -	\$ -	\$ 9,770.88	
	33231186 Well Development Equipment Rental (weekly)	3	WK	\$ 116.99	\$ 64.76	\$ -	\$ 545.25	
	33231189 DOT steel drums, 55 gal., open, 17C	10	EA	\$ 456.14	\$ -	\$ -	\$ 4,561.40	
	33220112 Field Technician	150	HR	\$ -	\$ 90.00	\$ -	\$ 13,500.00	
	33010202 Per Diem	15	DAY	\$ 95.00	\$ -	\$ -	\$ 1,425.00	
Task Subtotal							\$ 31,174.73	Yearly cost

Appendix I - Alternative 2a and 2b Detailed Cost Backup
In-Situ Enhanced Biodegradation

Task Subtask	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Comments/ Assumptions
Assembly (1)								
Groundwater Monitoring (12 wells, semi-annual, years 3 and 4)								Includes additional 20% for QC
33020401	Disposable Materials per Sample	24	EA	\$ 8.08	\$ -	\$ -	\$ 193.92	
33020402	Decontamination Materials per Sample	24	EA	\$ 6.82	\$ -	\$ -	\$ 163.68	
33021509	Monitor well sampling equipment, rental, water quality testing parameter device rental	2	WK	\$ 219.00	\$ -	\$ -	\$ 438.00	
33021618	Volatile Organic Analysis (EPA 624) (624, 8260B)	24	EA	\$ 203.56	\$ -	\$ -	\$ 4,885.44	
33231186	Well Development Equipment Rental (weekly)	2	WK	\$ 116.99	\$ 64.76	\$ -	\$ 363.50	
33231189	DOT steel drums, 55 gal., open, 17C	5	EA	\$ 456.14	\$ -	\$ -	\$ 2,280.70	
33220112	Field Technician	100	HR	\$ -	\$ 90.00	\$ -	\$ 9,000.00	
33010202	Per Diem	10	DAY	\$ 95.00	\$ -	\$ -	\$ 950.00	
Task Subtotal							\$ 18,275.24	Yearly cost
Groundwater Monitoring (12 wells, 15 month, years 5 through 30)								Includes additional 20% for QC
33020401	Disposable Materials per Sample	12	EA	\$ 8.08	\$ -	\$ -	\$ 96.96	
33020402	Decontamination Materials per Sample	12	EA	\$ 6.82	\$ -	\$ -	\$ 81.84	
33021509	Monitor well sampling equipment, rental, water quality testing parameter device rental	1	WK	\$ 219.00	\$ -	\$ -	\$ 219.00	
33021618	Volatile Organic Analysis (EPA 624) (624, 8260B)	12	EA	\$ 203.56	\$ -	\$ -	\$ 2,442.72	
33231186	Well Development Equipment Rental (weekly)	1	WK	\$ 116.99	\$ 64.76	\$ -	\$ 181.75	
33231189	DOT steel drums, 55 gal., open, 17C	2	EA	\$ 456.14	\$ -	\$ -	\$ 912.28	
33220112	Field Technician	50	HR	\$ -	\$ 90.00	\$ -	\$ 4,500.00	1 tech 1 week
33010202	Per Diem	5	DAY	\$ 95.00	\$ -	\$ -	\$ 475.00	
Task Subtotal							\$ 7,127.64	Equivalent yearly cost (80% cost of annual monitoring)
Reinjection Events (Every 5 years, per XDD Recommendation)								
South of Site								
	Vegetable Oil Based Substrate	1	LS	\$ 224,000.00	\$ -	\$ -	\$ 224,000.00	Estimate provided by XDD; 80% of initial injection
	Injection	1	DAYS	\$ -	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00	Assumes 5 pts per day
	Oversight	1	DAYS	\$ 133.48	\$ 350.00	\$ -	\$ 483.48	1 day for injection, 10 hour days
Task Subtotal							\$ 226,483.48	
Roosevelt Boulevard								
	Vegetable Oil Based Substrate	1	LS	\$ 240,000.00	\$ -	\$ -	\$ 240,000.00	Estimate provided by XDD; 80% of initial injection
	Injection	5	DAYS	\$ -	\$ 1,000.00	\$ 1,000.00	\$ 10,000.00	Assumes 5 pts per day
	Oversight	5	DAYS	\$ 133.48	\$ 350.00	\$ -	\$ 2,417.40	5 day for injection, 10 hour days
Task Subtotal							\$ 252,417.40	

**APPENDIX I - PRESENT VALUE OF PERIODIC COSTS FOR ALTERNATIVE 2a
 In-Situ Enhanced Biodegradation (South of Gent Property)**

Year	Cost*	Number of Annual Periods	Annual Discount Rate	Number of 5-Year Periods	5-Year Discount Rate	Number of 10-Year Periods	10-Year Discount Rate	Total Non-Discounted Cost	Present Value Cost
Capital (Year 0)	\$ 590,000	1	0	NA	NA	NA	NA	\$ 590,000.00	\$ 590,000.00
Periodic Inspections and Reporting (Years 1-30)	\$ 4,000	30	0.05	NA	NA	NA	NA	\$ 120,000.00	\$ 61,489.80
Long-Term Monitoring (Years 1 and 2)	\$ 42,000	2	0.05	NA	NA	NA	NA	\$ 84,000.00	\$ 78,095.24
Long-Term Monitoring (Years 3 and 4)	\$ 25,000	2	0.05	NA	NA	NA	NA	\$ 50,000.00	\$ 42,163.50
Long-Term Monitoring (Years 5 through 30)	\$ 10,000	26	0.05	NA	NA	NA	NA	\$ 260,000.00	\$ 118,265.01
Reinjection Events (Years 1 through 30)	\$ 306,000	NA	NA	5	0.276	NA	NA	\$ 1,530,000.00	\$ 780,933.37
Totals								\$ 2,634,000.00	\$ 1,670,946.92

*Annual and periodic costs include 10% for technical support and 25% contingency for unforeseen project complexities, including insurance, taxes, and licensing costs.

Capital costs include 25% contingency, as well as and project management, remedial design, and construction management costs per DER-10 guidance.

**APPENDIX I - PRESENT VALUE OF PERIODIC COSTS FOR ALTERNATIVE 2b
 In-Situ Enhanced Biodegradation (South of Gent Property / OU2 Plume)**

Year	Cost*	Number of Annual Periods	Annual Discount Rate	Number of 5-Year Periods	5-Year Discount Rate	Number of 10-Year Periods	10-Year Discount Rate	Total Non-Discounted Cost	Present Value Cost
Capital (Year 0)	\$ 1,305,000	1	0	NA	NA	NA	NA	\$ 1,305,000.00	\$ 1,305,000.00
Periodic Inspections and Reporting (Years 1-30)	\$ 4,000	30	0.05	NA	NA	NA	NA	\$ 120,000.00	\$ 61,489.80
Long-Term Monitoring (Years 1 and 2)	\$ 42,000	2	0.05	NA	NA	NA	NA	\$ 84,000.00	\$ 78,095.24
Long-Term Monitoring (Years 3 and 4)	\$ 25,000	2	0.05	NA	NA	NA	NA	\$ 50,000.00	\$ 42,163.50
Long-Term Monitoring (Years 5 through 30)	\$ 10,000	26	0.05	NA	NA	NA	NA	\$ 260,000.00	\$ 118,265.01
Reinjection Events (Years 1 though 30)	\$ 647,000	NA	NA	5	0.276	NA	NA	\$ 3,235,000.00	\$ 1,651,189.19
Totals								\$ 5,054,000.00	\$ 3,256,202.74

*Annual and periodic costs include 10% for technical support and 25% contingency for unforeseen project complexities, including insurance, taxes, and licensing costs.

Capital costs include 25% contingency, as well as and project management, remedial design, and construction management costs per DER-10 guidance.

Appendix I - Alternative 3a and 3b Detailed Cost Backup
Permeable Reactive Barriers

Task	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Comments/ Assumptions
Subtask	Assembly (1)							
ALTERNATIVE CAPITAL COSTS								
Pre-Design Investigation								
Refer to Alternative 2								
Task Subtotal							\$ 30,129.46	
Institutional Controls								
Refer to Alternative 2								
Task Subtotal							\$ 9,931.06	
Mobilization and Temporary Facilities and Controls (Alternative 3a)								
Temporary Utilities								
99040101	Temporary Office 20' x 8'	1.00	MO	\$ 206.42	\$ -	\$ -	206.42	RSMMeans 2004 ECHOS
99140201	Temporary Storage Trailer 16' x 8'	1.00	MO	\$ 80.72	\$ -	\$ -	80.72	RSMMeans 2004 ECHOS
99040501	Portable Toilets	1.00	MO	\$ 82.65	\$ -	\$ -	82.65	RSMMeans 2004 ECHOS
01510.050.0040	Temporary Power Service, overhead feed, 3 use, 200 amp	1.00	EA	\$ 745.00	\$ 335.00	\$ -	1,080.00	RSMMeans Site Work & Landscape Cost Data 2006
01520.550.0140	Telephone utility fee	1.00	MO	\$ 210.00	\$ -	\$ -	210.00	RSMMeans Site Work & Landscape Cost Data 2006
MACTEC	Electrical utility fee	1.00	MO	\$ 200.00	\$ -	\$ -	200.00	
01520.550.0100	Field office expenses, office equipment rental, average	1.00	MO	\$ 145.00	\$ -	\$ -	145.00	RSMMeans Site Work & Landscape Cost Data 2006
01560.250.0200	Rented chain link, 6' high, to 1,000'	1000	LF	\$ 3.03	\$ 1.10	\$ -	4,130.00	RSMMeans Site Work & Landscape Cost Data 2006
02220.350.0725	Dumpster, weekly rental, 1 dump/week, 20 cy capacity (8 tons)	4	WK	\$ 420.00	\$ -	\$ -	1,680.00	RSMMeans Site Work & Landscape Cost Data 2006
Decontamination Facility								
33290401	25 gpm, 1-1/2" discharge, cast iron sump pur	1	EA	\$ -	\$ -	\$ 2,317.00	2,317.00	RSMMeans 2004 ECHOS
33290704	50' Flexible, Product Discharge Hose	1	EA	\$ -	\$ -	\$ 175.00	175.00	RSMMeans 2004 ECHOS
02060.150.0300	3/4" crushed stone borrow, spread w/ 200 HP dozer, no compaction, 2 mi rt haul	56	CY	\$ 27.50	\$ 1.43	\$ 3.12	1,780.56	RSMMeans Site Work & Landscape Cost Data 2006, assume 30 ft by 25 ft by one foot thick
02315.310.5100	Compaction, General, riding vibrating roller, 12" lifts, 4 passes	56	ECY	\$ -	\$ 0.16	\$ 0.16	17.78	RSMMeans Site Work & Landscape Cost Data 2006
3308544	60-mil Polymeric Liner, Very Low Density P	83	SF	\$ 1.97	\$ -	\$ -	164.17	RSMMeans 2004 ECHOS, assume 30 ft by 25 ft
33080534	16 oz/sy nonwoven geotextile	83	SY	\$ 2.39	\$ -	\$ -	199.17	RSMMeans 2004 ECHOS
33170814	1,800 psi pressure washer, 6HP, 4.8 gpm	1	EA	\$ -	\$ -	\$ 1,635.00	1,635.00	RSMMeans 2004 ECHOS
19040605	2,000 gal steel sump, aboveground w/ supports and fittings	1	EA	\$ 2,233.00	\$ 853.69	\$ 123.26	3,209.95	RSMMeans 2004 ECHOS
33170823	Operation of pressure washer, including water, soap, electricity, and labor	44	HR	\$ -	\$ -	\$ 41.69	1,834.36	RSMMeans 2004 ECHOS, assume 4 hours per day, 11 days
33410101	Pump and motor maintenance/repair	1	EA	\$ -	\$ -	\$ 431.15	431.15	RSMMeans 2004 ECHOS
Survey of Work/Stockpile Areas								
99241201	Surveying - 2-man Crew	1	DAY	\$ -	\$ 617.50	\$ 204.77	822.27	RSMMeans 2004 ECHOS
Task Subtotal							\$ 20,401.19	

Appendix I - Alternative 3a and 3b Detailed Cost Backup
Permeable Reactive Barriers

Task	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Comments/ Assumptions
Subtask								
Assembly (1)								
Mobilization and Temporary Facilities and Controls (Alternative 3b)								
Temporary Utilities								
99040101	Temporary Office 20' x 8'	1.00	MO	\$ 206.42	\$ -	\$ -	206.42	RSMMeans 2004 ECHOS
99140201	Temporary Storage Trailer 16' x 8'	1.00	MO	\$ 80.72	\$ -	\$ -	80.72	RSMMeans 2004 ECHOS
99040501	Portable Toilets	1.00	MO	\$ 82.65	\$ -	\$ -	82.65	RSMMeans 2004 ECHOS
01510.050.0040	Temporary Power Service, overhead feed, 3 use, 200 amp	1.00	EA	\$ 745.00	\$ 335.00	\$ -	1,080.00	RSMMeans Site Work & Landscape Cost Data 2006
01520.550.0140	Telephone utility fee	1.00	MO	\$ 210.00	\$ -	\$ -	210.00	RSMMeans Site Work & Landscape Cost Data 2006
MACTEC	Electrical utility fee	1.00	MO	\$ 200.00	\$ -	\$ -	200.00	
01520.550.0100	Field office expenses, office equipment rental, average	1.00	MO	\$ 145.00	\$ -	\$ -	145.00	RSMMeans Site Work & Landscape Cost Data 2006
01560.250.0200	Rented chain link, 6' high, to 1,000'	1000	LF	\$ 3.03	\$ 1.10	\$ -	4,130.00	RSMMeans Site Work & Landscape Cost Data 2006
02220.350.0725	Dumpster, weekly rental, 1 dump/week, 20 cy capacity (8 tons)	4	WK	\$ 420.00	\$ -	\$ -	1,680.00	RSMMeans Site Work & Landscape Cost Data 2006
Decontamination Facility								
33290401	25 gpm, 1-1/2" discharge, cast iron sump pump	1	EA	\$ -	\$ -	\$ 2,317.00	2,317.00	RSMMeans 2004 ECHOS
33290704	50' Flexible, Product Discharge Hose	1	EA	\$ -	\$ -	\$ 175.00	175.00	RSMMeans 2004 ECHOS
02060.150.0300	3/4" crushed stone borrow, spread w/ 200 HP dozer, no compaction, 2 mi rt haul	28	CY	\$ 27.50	\$ 1.43	\$ 3.12	890.28	RSMMeans Site Work & Landscape Cost Data 2006, assume 30 ft by 25 ft by one foot thick
02315.310.5100	Compaction, General, riding vibrating roller, 12" lifts, 4 passes	28	ECY	\$ -	\$ 0.16	\$ 0.16	8.89	RSMMeans Site Work & Landscape Cost Data 2006
3308544	60-mil Polymeric Liner, Very Low Density P	83	SF	\$ 1.97	\$ -	\$ -	164.17	RSMMeans 2004 ECHOS, assume 30 ft by 25 ft
33080534	16 oz/sy nonwoven geotextile	83	SY	\$ 2.39	\$ -	\$ -	199.17	RSMMeans 2004 ECHOS
33170814	1,800 psi pressure washer, 6HP, 4.8 gpm	1	EA	\$ -	\$ -	\$ 1,635.00	1,635.00	RSMMeans 2004 ECHOS
19040605	2,000 gal steel sump, aboveground w/ supports and fittings	1	EA	\$ 2,233.00	\$ 853.69	\$ 123.26	3,209.95	RSMMeans 2004 ECHOS
33170823	Operation of pressure washer, including water, soap, electricity, and labor	220	HR	\$ -	\$ -	\$ 41.69	9,171.80	RSMMeans 2004 ECHOS, assume 4 hours per day, 55 days
33410101	Pump and motor maintenance/repair	1	EA	\$ -	\$ -	\$ 431.15	431.15	RSMMeans 2004 ECHOS
Survey of Work Area								
99241201	Surveying - 2-man Crew	1	DAY	\$ -	\$ 617.50	\$ 204.77	822.27	RSMMeans 2004 ECHOS
Task Subtotal							\$ 26,839.46	
Installation of Permeable Reactive Barriers - South of the Site								
Injection Program								
	Geoprobe mob/demob	1	LS	\$ -	\$ -	\$ 525.00	525.00	Provided by Geologic
	Geoprobe and Crew	11	DAYS	\$ -	\$ 1,350.00	\$ -	14,850.00	Provided by Geologic, 80' per day, 30 injections to 25' deep, 4 monitoring wells to 25' deep
	Concrete/Pavement Demo	34	EACH	\$ -	\$ 65.00	\$ -	2,210.00	Provided by IET, concrete boring costs per point
02740.310.1050	Pavement Restoration	1.5	SY	\$ 8.40	\$ 19.90	\$ 1.63	1,544.90	RS Means, Site Work and Landscape Cost Data, 2006 (assume 8"x8" per boring, plus \$1500 Mobe fee)
	Per Diem	11	DAYS	\$ -	\$ 245.00	\$ -	2,695.00	Provided by Geologic
	Oversight	11	DAYS	\$ 133.48	\$ 350.00	\$ -	5,318.28	11 days for injection, 10 hour days
Materials								
	EHC	11150	LBS	\$ 2.50	\$ -	\$ -	27,875.00	Provided by Adventus
	Shipping	1	LS	\$ -	\$ 2,200.00	\$ -	2,200.00	Provided by Adventus
	Adventus Oversight	2	DAYS	\$ -	\$ 1,000.00	\$ -	2,000.00	Provided by Adventus
	1" PVC Installed With Bentonite Grout Seal	100	LF	\$ 8.00	\$ -	\$ -	800.00	Provided by Geologic, 4 monitoring wells to 25' deep
	4" Roadbox Installed	4	EA	\$ 50.00	\$ -	\$ -	200.00	Provided by Geologic
Task Subtotal							\$ 60,218.18	

Appendix I - Alternative 3a and 3b Detailed Cost Backup
Permeable Reactive Barriers

Task	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Comments/ Assumptions
Subtask	Assembly (1)							
Installation of Permeable Reactive Barriers - Roosevelt Boulevard								
Injection Program								
	Geoprobe mob/demob	1	LS	\$ -	\$ -	\$ 525.00	\$ 525.00	Provided by Geologic
	Geoprobe and Crew	50	DAYS	\$ -	\$ 1,350.00	\$ -	\$ 67,500.00	Provided by Geologic, 80' per day, 96 injections to 40' deep, 4 monitoring wells to 40' deep
	Concrete/Pavement Demo	100	EACH	\$ -	\$ 65.00	\$ -	\$ 6,500.00	Provided by IET, concrete boring costs per point
02740.310.1050	Pavement Restoration	4.8	SY	\$ 8.40	\$ 19.90	\$ 1.63	\$ 1,643.66	RS Means, Site Work and Landscape Cost Data, 2006 (assume 8"x8" per boring, plus \$1500 Mobe fee)
	Per Diem	50	DAYS	\$ -	\$ 245.00	\$ -	\$ 12,250.00	Provided by Geologic
	Oversight	50	DAYS	\$ 133.48	\$ 350.00	\$ -	\$ 24,174.00	50 days for injection, 10 hour days
Materials								
	EHC	71300	LBS	\$ 2.50	\$ -	\$ -	\$ 178,250.00	Provided by Adventus
	Shipping	1	LS	\$ -	\$ 9,700.00	\$ -	\$ 9,700.00	Provided by Adventus
	Adventus Oversight	2	DAYS	\$ -	\$ 1,000.00	\$ -	\$ 2,000.00	Provided by Adventus
	1" PVC Installed With Bentonite Grout Seal	160	LF	\$ 8.00	\$ -	\$ -	\$ 1,280.00	Provided by Geologic, 4 monitoring wells to 40' deep
	4" Roadbox Installed	4	EA	\$ 50.00	\$ -	\$ -	\$ 200.00	Provided by Geologic
	Task Subtotal						\$ 304,022.66	
ALTERNATIVE ANNUAL AND PERIODIC COSTS								
Periodic Institutional Control Inspections and Reporting								
Refer to Alternative 2								
	Task Subtotal						\$ 2,960.00	
Long-Term Monitoring (Years 1 through 30)								
Groundwater Monitoring (12 wells, quarterly, years 1 and 2)								
	Refer to Alternative 2						\$ 31,174.73	
Groundwater Monitoring (12 wells, semi-annual, years 3 and 4)								
	Refer to Alternative 2						\$ 18,275.24	
Groundwater Monitoring (12 wells, 15 month, years 5 through 30)								
	Refer to Alternative 2						\$ 7,127.64	
Reinjection Events (Every 10 years, per Adventus Recommendation)								
South of Site								
Injection Program								
	Geoprobe mob/demob	1	LS	\$ -	\$ -	\$ 525.00	\$ 525.00	Provided by Geologic
	Geoprobe and Crew	10	DAYS	\$ -	\$ 1,350.00	\$ -	\$ 13,500.00	Provided by Geologic, 80' per day, 30 injections to 25' deep
	Concrete/Pavement Demo	30	EACH	\$ -	\$ 65.00	\$ -	\$ 1,950.00	Provided by IET, concrete boring costs per point
02740.310.1050	Pavement Restoration	1.5	SY	\$ 8.40	\$ 19.90	\$ 1.63	\$ 1,544.90	RS Means, Site Work and Landscape Cost Data, 2006 (assume 8"x8" per boring, plus \$1500 Mobe fee)
	Per Diem	10	DAYS	\$ -	\$ 245.00	\$ -	\$ 2,450.00	Provided by Geologic
	Oversight	10	DAYS	\$ 133.48	\$ 350.00	\$ -	\$ 4,834.80	10 days for injection, 10 hour days
Materials								
	EHC	11150	LBS	\$ 2.50	\$ -	\$ -	\$ 27,875.00	Provided by Adventus
	Shipping	1	LS	\$ -	\$ 2,200.00	\$ -	\$ 2,200.00	Provided by Adventus
	Adventus Oversight	2	DAYS	\$ -	\$ 1,000.00	\$ -	\$ 2,000.00	Provided by Adventus
	Task Subtotal						\$ 56,879.70	

Appendix I - Alternative 3a and 3b Detailed Cost Backup
Permeable Reactive Barriers

Task	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Comments/ Assumptions
Subtask								
Assembly (1)								
Roosevelt Boulevard								
Injection Program								
	Geoprobe mob/demob	1	LS	\$ -	\$ -	\$ 525.00	\$ 525.00	Provided by Geologic
	Geoprobe and Crew	48	DAYS	\$ -	\$ 1,350.00	\$ -	\$ 64,800.00	Provided by Geologic, 80' per day, 96 injections to 40' deep
	Concrete/Pavement Demo	96	EACH	\$ -	\$ 65.00	\$ -	\$ 6,240.00	Provided by IET, concrete boring costs per point
02740.310.1050	Pavement Restoration	4.8	SY	\$ 8.40	\$ 19.90	\$ 1.63	\$ 1,643.66	RS Means, Site Work and Landscape Cost Data, 2006 (assume 8"x8" per boring, plus \$1500 Mobe fee)
	Per Diem	48	DAYS	\$ -	\$ 245.00	\$ -	\$ 11,760.00	Provided by Geologic
	Oversight	48	DAYS	\$ 133.48	\$ 350.00	\$ -	\$ 23,207.04	48 days for injection, 10 hour days
Materials								
	EHC	71300	LBS	\$ 2.50	\$ -	\$ -	\$ 178,250.00	Provided by Adventus
	Shipping	1	LS	\$ -	\$ 9,700.00	\$ -	\$ 9,700.00	Provided by Adventus
	Adventus Oversight	2	DAYS	\$ -	\$ 1,000.00	\$ -	\$ 2,000.00	Provided by Adventus
	Task Subtotal						\$ 298,125.70	

**APPENDIX I - PRESENT VALUE OF PERIODIC COSTS FOR ALTERNATIVE 3a
 Permeable Reactive Barriers (South of Gent Property)**

Year	Cost*	Number of Annual Periods	Annual Discount Rate	Number of 5-Year Periods	5-Year Discount Rate	Number of 10-Year Periods	10-Year Discount Rate	Total Non-Discounted Cost	Present Value Cost
Capital (Year 0)	\$ 172,000	1	0	NA	NA	NA	NA	\$ 172,000.00	\$ 172,000.00
Periodic Inspections and Reporting (Years 1-30)	\$ 4,000	30	0.05	NA	NA	NA	NA	\$ 120,000.00	\$ 61,489.80
Long-Term Monitoring (Years 1 and 2)	\$ 42,000	2	0.05	NA	NA	NA	NA	\$ 84,000.00	\$ 78,095.24
Long-Term Monitoring (Years 3 and 4)	\$ 25,000	2	0.05	NA	NA	NA	NA	\$ 50,000.00	\$ 42,163.50
Long-Term Monitoring (Years 5 through 30)	\$ 10,000	26	0.05	NA	NA	NA	NA	\$ 260,000.00	\$ 118,265.01
Refreshing EHC Barrier (Every 10 Years)	\$ 77,000	NA	NA	NA	NA	2	0.629	\$ 154,000.00	\$ 76,285.00
Totals								\$ 840,000.00	\$ 548,298.55

*Annual and periodic costs include 10% for technical support and 25% contingency for unforeseen project complexities, including insurance, taxes, and licensing costs.

Capital costs include 25% contingency, as well as and project management, remedial design, and construction management costs per DER-10 guidance.

**APPENDIX I - PRESENT VALUE OF PERIODIC COSTS FOR ALTERNATIVE 3b
 Permeable Reactive Barriers (South of Gent Property / OU2 Plume)**

Year	Cost*	Number of Annual Periods	Annual Discount Rate	Number of 5-Year Periods	5-Year Discount Rate	Number of 10-Year Periods	10-Year Discount Rate	Total Non-Discounted Cost	Present Value Cost
Capital (Year 0)	\$ 616,000	1	0	NA	NA	NA	NA	\$ 616,000.00	\$ 616,000.00
Periodic Inspections and Reporting (Years 1-30)	\$ 4,000	30	0.05	NA	NA	NA	NA	\$ 120,000.00	\$ 61,489.80
Long-Term Monitoring (Years 1 and 2)	\$ 42,000	2	0.05	NA	NA	NA	NA	\$ 84,000.00	\$ 78,095.24
Long-Term Monitoring (Years 3 and 4)	\$ 25,000	2	0.05	NA	NA	NA	NA	\$ 50,000.00	\$ 42,163.50
Long-Term Monitoring (Years 5 through 30)	\$ 10,000	26	0.05	NA	NA	NA	NA	\$ 260,000.00	\$ 118,265.01
Refreshing EHC Barrier (Every 10 Years)	\$ 479,000	NA	NA	NA	NA	2	0.629	\$ 958,000.00	\$ 474,552.13
Totals								\$ 2,088,000.00	\$ 1,390,565.68

*Annual and periodic costs include 10% for technical support and 25% contingency for unforeseen project complexities, including insurance, taxes, and licensing costs.

Capital costs include 25% contingency, as well as and project management, remedial design, and construction management costs per DER-10 guidance.

Appendix I - Alternative 5a and 5b Detailed Cost Backup
Groundwater Extraction and Treatment

Task	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Comments/ Assumptions
Subtask								
Assembly (1)								
ALTERNATIVE CAPITAL COSTS								
Pre-Design Investigation								
Sampling Crew								
33010104	Sample collection, vehicle mileage charge, car or van	500	MI	\$ 0.49	\$ -	\$ -	\$ 245.00	
33220108	Project Scientist	120	HR	\$ -	\$ 70.87	\$ -	\$ 8,504.40	
33220112	Field Technician	60	HR	\$ -	\$ 39.13	\$ -	\$ 2,347.80	
33010202	Per Diem	4.00	DAY	\$ 89.40	\$ -	\$ -	\$ 357.60	
Surveying								
33029903	Ground penetrating radar	2	DAY	\$ 1,327.28	\$ -	\$ -	\$ 2,654.56	
99041201	Surveying for new wells and proposed injection points - 2-man Crew	2	DAY	\$ -	\$ 1,004.76	\$ 240.97	\$ 2,491.46	
Direct Push Rig								
	Geoprobe mob/demob	1	LS	\$ -	\$ -	\$ 525.00	\$ 525.00	Provided by Geologic
	Geoprobe and Crew	2	DAYS	\$ -	\$ 1,350.00	\$ -	\$ 2,700.00	Provided by Geologic, 80' per day, six sample locations to 30' deep
	Core Drill Rental with 6" Thin Wall	2	DAYS	\$ -	\$ -	\$ 125.00	\$ 250.00	Provided by Geologic, necessary to bore through pavement/concrete
	Per Diem	2	DAYS	\$ -	\$ 245.00	\$ -	\$ 490.00	Provided by Geologic
33231178	Move Rig/Equipment Around Site	5	EA	\$ 58.75	\$ 195.27	\$ 139.40	\$ 1,967.10	
33231813	Portland Cement Grout	180	LF	\$ 9.78	\$ -	\$ -	\$ 1,760.40	
33170808	Decontaminate Rig, Augers, Screen (Rental Equipment)	1	DAY	\$ 17.64	\$ 530.10	\$ -	\$ 547.74	
Groundwater Sample Testing								
33021720	Testing, purgeable organics (624, 8260)	36	EA	\$ 146.90	\$ -	\$ -	\$ 5,288.40	six locations, up to six sample intervals
Pumping Test								
	Test and Report	1	LS	\$ -	\$ 13,000.00	\$ -	\$ 13,000.00	Carriage Cleaners Quote
	Driller	1	LS	\$ -	\$ 500.00	\$ -	\$ 500.00	Carriage Cleaners Quote
	IDW Disposal	1	LS	\$ -	\$ 10,000.00	\$ -	\$ 10,000.00	Carriage Cleaners Quote
	Pump Installation and Removal	1	LS	\$ -	\$ 2,500.00	\$ -	\$ 2,500.00	Carriage Cleaners Quote
	Travel	1	LS	\$ -	\$ 2,000.00	\$ -	\$ 2,000.00	Carriage Cleaners Quote
	ODC	1	LS	\$ -	\$ 550.00	\$ -	\$ 550.00	Carriage Cleaners Quote
	Task Subtotal						\$ 58,679.46	
Institutional Controls								
Refer to Alternative 2								
	Task Subtotal						\$ 9,931.06	

**Appendix I - Alternative 5a and 5b Detailed Cost Backup
 Groundwater Extraction and Treatment**

Task	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Comments/ Assumptions
Subtask								
Assembly (1)								
Mobilization and Temporary Facilities and Controls (Alternative 5a)								
Temporary Utilities								
99040101	Temporary Office 20' x 8'	1.00	MO	\$ 206.42	\$ -	\$ -	\$ 206.42	RSMMeans 2004 ECHOS
99140201	Temporary Storage Trailer 16' x 8'	1.00	MO	\$ 80.72	\$ -	\$ -	\$ 80.72	RSMMeans 2004 ECHOS
99040501	Portable Toilets	1.00	MO	\$ 82.65	\$ -	\$ -	\$ 82.65	RSMMeans 2004 ECHOS
01510.050.0040	Temporary Power Service, overhead feed, 3 use, 200 amp	1.00	EA	\$ 745.00	\$ 335.00	\$ -	\$ 1,080.00	RSMMeans Site Work & Landscape Cost Data 2006
01520.550.0140	Telephone utility fee	1.00	MO	\$ 210.00	\$ -	\$ -	\$ 210.00	RSMMeans Site Work & Landscape Cost Data 2006
MACTEC	Electrical utility fee	1.00	MO	\$ 200.00	\$ -	\$ -	\$ 200.00	
01520.550.0100	Field office expenses, office equipment rental, average	1.00	MO	\$ 145.00	\$ -	\$ -	\$ 145.00	RSMMeans Site Work & Landscape Cost Data 2006
01560.250.0200	Rented chain link, 6' high, to 1,000'	1000	LF	\$ 3.03	\$ 1.10	\$ -	\$ 4,130.00	RSMMeans Site Work & Landscape Cost Data 2006
02220.350.0725	Dumpster, weekly rental, 1 dump/week, 20 cy capacity (8 tons)	4	WK	\$ 420.00	\$ -	\$ -	\$ 1,680.00	RSMMeans Site Work & Landscape Cost Data 2006
Decontamination Facility								
33290401	25 gpm, 1-1/2" discharge, cast iron sump pump	1	EA	\$ -	\$ -	\$ 2,317.00	\$ 2,317.00	RSMMeans 2004 ECHOS
33290704	50' Flexible, Product Discharge Hose	1	EA	\$ -	\$ -	\$ 175.00	\$ 175.00	RSMMeans 2004 ECHOS
02060.150.0300	3/4" crushed stone borrow, spread w/ 200 HP dozer, no compaction, 2 mi rt haul	28	CY	\$ 27.50	\$ 1.43	\$ 3.12	\$ 890.28	RSMMeans Site Work & Landscape Cost Data 2006, assume 30 ft by 25 ft by one foot thick
02315.310.5100	Compaction, General, riding vibrating roller, 12" lifts, 4 passes	28	ECY	\$ -	\$ 0.16	\$ 0.16	\$ 8.89	RSMMeans Site Work & Landscape Cost Data 2006
3308544	60-mil Polymeric Liner, Very Low Density F	83	SY	\$ 1.97	\$ -	\$ -	\$ 164.17	RSMMeans 2004 ECHOS, assume 30 ft by 25 ft
33080534	16 oz/sy nonwoven geotextile	83	SY	\$ 2.39	\$ -	\$ -	\$ 199.17	RSMMeans 2004 ECHOS
33170814	1,800 psi pressure washer, 6HP, 4.8 gpm	1	EA	\$ -	\$ -	\$ 1,635.00	\$ 1,635.00	RSMMeans 2004 ECHOS
19040605	2,000 gal steel sump, aboveground w/ supports and fittings	1	EA	\$ 2,233.00	\$ 853.69	\$ 123.26	\$ 3,209.95	RSMMeans 2004 ECHOS
33170823	Operation of pressure washer, including water, soap, electricity, and labor	60	HR	\$ -	\$ -	\$ 41.69	\$ 2,501.40	RSMMeans 2004 ECHOS, assume 4 hours per day, 15 days
33410101	Pump and motor maintenance/repair	1	EA	\$ -	\$ -	\$ 431.15	\$ 431.15	RSMMeans 2004 ECHOS
Survey of Work/Stockpile Areas								
99241201	Surveying - 2-man Crew	2	DAY	\$ -	\$ 617.50	\$ 204.77	\$ 1,644.54	RSMMeans 2004 ECHOS
Task Subtotal							\$ 20,991.33	

Mobilization and Temporary Facilities and Controls (Alternative 5b)

Temporary Utilities								
99040101	Temporary Office 20' x 8'	1.00	MO	\$ 206.42	\$ -	\$ -	\$ 206.42	RSMMeans 2004 ECHOS
99140201	Temporary Storage Trailer 16' x 8'	1.00	MO	\$ 80.72	\$ -	\$ -	\$ 80.72	RSMMeans 2004 ECHOS
99040501	Portable Toilets	1.00	MO	\$ 82.65	\$ -	\$ -	\$ 82.65	RSMMeans 2004 ECHOS
01510.050.0040	Temporary Power Service, overhead feed, 3 use, 200 amp	1.00	EA	\$ 745.00	\$ 335.00	\$ -	\$ 1,080.00	RSMMeans Site Work & Landscape Cost Data 2006
01520.550.0140	Telephone utility fee	1.00	MO	\$ 210.00	\$ -	\$ -	\$ 210.00	RSMMeans Site Work & Landscape Cost Data 2006
MACTEC	Electrical utility fee	1.00	MO	\$ 200.00	\$ -	\$ -	\$ 200.00	
01520.550.0100	Field office expenses, office equipment rental, average	1.00	MO	\$ 145.00	\$ -	\$ -	\$ 145.00	RSMMeans Site Work & Landscape Cost Data 2006
01560.250.0200	Rented chain link, 6' high, to 1,000'	1000	LF	\$ 3.03	\$ 1.10	\$ -	\$ 4,130.00	RSMMeans Site Work & Landscape Cost Data 2006
02220.350.0725	Dumpster, weekly rental, 1 dump/week, 20 cy capacity (8 tons)	4	WK	\$ 420.00	\$ -	\$ -	\$ 1,680.00	RSMMeans Site Work & Landscape Cost Data 2006

Appendix I - Alternative 5a and 5b Detailed Cost Backup
Groundwater Extraction and Treatment

Task	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Comments/ Assumptions
Subtask								
Assembly (1)								
Decontamination Facility								
	33290401 25 gpm, 1-1/2" discharge, cast iron sump pur	1	EA	\$ -	\$ -	\$ 2,317.00	\$ 2,317.00	RSMeans 2004 ECHOS
	33290704 50' Flexible, Product Discharge Hose	1	EA	\$ -	\$ -	\$ 175.00	\$ 175.00	RSMeans 2004 ECHOS
02060.150.0300	3/4" crushed stone borrow, spread w/ 200 HP dozer, no compaction, 2 mi rt haul	28	CY	\$ 27.50	\$ 1.43	\$ 3.12	\$ 890.28	RSMeans Site Work & Landscape Cost Data 2006, assume 30 ft by 25 ft by one foot thick
02315.310.5100	Compaction, General, riding vibrating roller, 12" lifts, 4 passes	28	ECY	\$ -	\$ 0.16	\$ 0.16	\$ 8.89	RSMeans Site Work & Landscape Cost Data 2006
	3308544 60-mil Polymeric Liner, Very Low Density F	83	SY	\$ 1.97	\$ -	\$ -	\$ 164.17	RSMeans 2004 ECHOS, assume 30 ft by 25 ft
	33080534 16 oz/sy nonwoven geotextile	83	SY	\$ 2.39	\$ -	\$ -	\$ 199.17	RSMeans 2004 ECHOS
	33170814 1,800 psi pressure washer, 6HP, 4.8 gpm	1	EA	\$ -	\$ -	\$ 1,635.00	\$ 1,635.00	RSMeans 2004 ECHOS
	19040605 2,000 gal steel sump, aboveground w/ supports and fittings	1	EA	\$ 2,233.00	\$ 853.69	\$ 123.26	\$ 3,209.95	RSMeans 2004 ECHOS
	33170823 Operation of pressure washer, including water, soap, electricity, and labor	180	HR	\$ -	\$ -	\$ 41.69	\$ 7,504.20	RSMeans 2004 ECHOS, assume 4 hours per day, 45 days
	33410101 Pump and motor maintenance/repair	1	EA	\$ -	\$ -	\$ 431.15	\$ 431.15	RSMeans 2004 ECHOS
Survey of Work/Stockpile Areas								
	99241201 Surveying - 2-man Crew	2	DAY	\$ -	\$ 617.50	\$ 204.77	\$ 1,644.54	RSMeans 2004 ECHOS
Task Subtotal							\$ 25,994.13	
Groundwater Extraction and Treatment - South of Facility (Alternative 5a)								
Extraction Well Installation								
Total of 4 extraction wells. Assume 1/day.								
	33220112 Field Technician	40	HR	\$ 9.50	\$ 35.00	\$ -	\$ 1,780.00	4 days, includes per diem
	33010102 Van Rental	4	DAY	\$ 38.48	\$ -	\$ -	\$ 153.92	
	33010101 Mobilize/Demobilize Drilling Rig & Crew	1	LS	\$ -	\$ 2,855.00	\$ 969.76	\$ 3,824.76	Assume level D
	33231178 Move Rig/Equipment Around Site	4	EA	\$ 58.00	\$ 100.80	\$ 139.40	\$ 1,192.80	
	33232205 Well Vault for equipment	4	EA	\$ 944.29	\$ 834.28	\$ 2,033.00	\$ 15,246.28	
	33020303 Organic Vapor Analyzer Rental, per Day	4	DAY	\$ 115.88	\$ -	\$ -	\$ 463.51	
	33170808 Decontaminate Rig, Augers, Screen (Rental Equipment)	4	DAY	\$ -	\$ 108.60	\$ -	\$ 434.40	
	33231103 Hollow Stem Auger, 11" Dia Borehole, Depth <=100 ft	120	LF	\$ -	\$ 11.62	\$ 33.13	\$ 5,370.00	4 wells to 30 ft bgs
	33230122 4" Stainless Steel, Well Casing	80	LF	\$ 28.96	\$ 3.51	\$ 10.00	\$ 3,397.92	20 ft risers over burden
	33230222 4" Stainless Steel, Well Screen	40	LF	\$ 28.96	\$ 3.51	\$ 10.00	\$ 1,698.96	10 ft screens
	33231402 4" Screen, Filter Pack	40	LF	\$ 5.50	\$ 3.51	\$ 10.00	\$ 760.46	
	33231802 4" Well, Grout	80	LF	\$ 5.09	\$ 19.98	\$ 57.00	\$ 6,565.25	
	33232102 4" Well, Bentonite Seal	4	EA	\$ 23.16	\$ 19.72	\$ 56.26	\$ 396.56	
	33230526 4" Submersible pumps. 8-14 GPM, <80ft, with controls	5	EA	\$ 1,584.00	\$ 65.97	\$ -	\$ 8,249.85	Includes extra pump
	AMEC Pressure Transducers & Float Switches	5	EA	\$ 2,400.00	\$ 65.97	\$ -	\$ 12,329.85	Includes one extra
	33270441 4" PVC, Sch 80, Ball Valve	5	EA	\$ 266.02	\$ 65.97	\$ -	\$ 1,659.95	Includes one extra
	33310209 Pressure Gauge	5	EA	\$ 65.02	\$ 65.97	\$ -	\$ 654.95	Includes one extra
	AMEC Flow transmitting meters	5	EA	\$ 350.00	\$ 65.97	\$ -	\$ 2,079.85	
	25575772 4' X 4' Hatch	4	EA	\$ 556.19	\$ 701.20	\$ 2,000.00	\$ 13,029.56	
	33231189 DOT steel drums, 55 gal., open,	12	EA	\$ 81.00	\$ -	\$ -	\$ 972.00	
	20836142 Load soil into 55 gal drums	12	EA	\$ -	\$ 29.33	\$ -	\$ 351.96	
	33190303 Transport/Dispose (non-haz)	12	EA	\$ 255.77	\$ -	\$ -	\$ 3,069.24	

**Appendix I - Alternative 5a and 5b Detailed Cost Backup
 Groundwater Extraction and Treatment**

Task	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Comments/ Assumptions
Subtask								
Assembly (1)								
Overburden Monitoring Wells								Total of 3 for additional monitoring of GW capture.
33220112	Field Technician	16	HR	\$ 9.50	\$ 35.00	\$ -	\$ 712.00	2 days, include per diem
33010102	Van Rental	2	DAY	\$ 38.48	\$ -	\$ -	\$ -	
33010101	Mobilize/Demobilize Drilling Rig & Crew	1	LS	\$ -	\$ 2,855.00	\$ 969.76	\$ 3,824.76	Assume level D
33231178	Move Rig/Equipment Around Site	3	EA	\$ 58.00	\$ 100.80	\$ 139.40	\$ 894.60	
33231504	Surface Pad, Concrete, 2' x 2' x 4"	3	EA	\$ 39.79	\$ 73.60	\$ 1.76	\$ 345.45	
33020303	Organic Vapor Analyzer Rental, per Day	2	DAY	\$ 115.88	\$ -	\$ -	\$ 231.75	
33170808	Decontaminate Rig, Augers, Screen (Rental Equipment)	2	DAY	\$ -	\$ 108.60	\$ -	\$ 217.20	
33231101	Hollow Stem Auger, 8" Dia Borehole, Depth <=100 ft	75	LF	\$ -	\$ 6.41	\$ 30.58	\$ 2,774.25	3 wells 25 feet deep
33230101	2" PVC, Schedule 40, Well Casing	45	LF	\$ 1.20	\$ 2.34	\$ 7.14	\$ 480.42	15 ft risers
33230201	2" PVC, Schedule 40, Well Screen	30	LF	\$ 2.78	\$ 3.02	\$ 9.21	\$ 450.20	10 ft screens
33230301	2" PVC, Well Plug	3	EA	\$ 5.84	\$ 3.51	\$ 10.70	\$ 60.16	
33231401	2" Screen, Filter Pack	30	LF	\$ 3.12	\$ 1.99	\$ 6.07	\$ 335.40	
33231811	2" Well, Portland Cement Grout	45	LF	\$ 1.16	\$ -	\$ -	\$ 52.42	15 feet grout
33232101	2" Well, Bentonite Seal	3	EA	\$ 9.27	\$ 7.89	\$ 24.08	\$ 123.71	
33231189	DOT steel drums, 55 gal., open,	9	EA	\$ 81.00	\$ -	\$ -	\$ 729.00	
20836142	Load soil into 55 gal drums	9	EA	\$ -	\$ 29.33	\$ -	\$ 263.97	
33190303	Transport/Dispose (non-haz)	9	EA	\$ 255.77	\$ -	\$ -	\$ 2,301.93	
Treatment System								
33220112	Field Technician	480	HR	\$ 9.50	\$ 35.00	\$ -	\$ 21,360.00	Oversight of GWTS Installation, Assume 3 mths
33010102	Van Rental	60	DAY	\$ 38.48	\$ -	\$ -	\$ 2,308.80	
Trenching								Piping from wells to treatment system,
02200.250.5050	Pavement Removal	67	SY	\$ -	\$ 2.97	\$ 1.99	\$ 330.67	RS Means, Site Work and Landscape Cost Data, 2006
17030255	Trenching, Backfill & Compaction	110	CY	\$ -	\$ 3.81	\$ 1.02	\$ 531.30	200 feet long, 5 feet deep, 3 feet wide
18010102	Gravel, Delivered, Dumped & graded	45	CY	\$ 21.11	\$ 1.78	\$ 1.62	\$ 1,102.95	Assume 2'
33260502	2" polyethylene (SDR21) piping	1000	LF	\$ 0.43	\$ 5.01	\$ -	\$ 5,440.00	Piping from wells to GWTS, then to catch basin
02740.310.1050	Pavement Restoration	67	SY	\$ 8.40	\$ 19.90	\$ 1.63	\$ 1,995.33	RS Means, Site Work and Landscape Cost Data, 2006
Building & Major Equipment								
	20' X 24' Pre-engineered building	1	EA	\$ 6,650.00	\$ 4,600.00	\$ -	\$ 11,250.00	Get-A-Quote.com
23101150	Fine Grading for Slab on Grade	85	SY	\$ -	\$ 0.96	\$ 0.44	\$ 119.00	
23003106220	Compaction for Slab on Grade							
	Vibrating roller (4 passes), 2 lifts	85	CY	\$ -	\$ 0.31	\$ 1.06	\$ 116.45	
A10301204520	20' X 24' Concrete Slab (6" thick)	480	SF	\$ 3.01	\$ 3.14	\$ -	\$ 2,952.00	
A2020110	2' high concrete walls (2nd containment)	88	LF	\$ 12.25	\$ 40.50	\$ -	\$ 4,642.00	
33130726	4' diam, 6.5' high, Air stripper with blower, 150 GPM, 7,500 CFM	1	EA	\$ 10,900.00	\$ 3,617.00	\$ 522.28	\$ 15,039.28	
33130741	Electrical Controls for Air Stripper	1	EA	\$ 4,341.00	\$ 1,341.00	\$ 86.28	\$ 5,768.28	
33109716	1,000 Gallon Double-Walled Storage Tank W/Leak detection	1	EA	\$ 901.24	\$ -	\$ -	\$ 901.24	Equalization tank
33290124	Pump from tank to AS (150 gpm)	1	EA	\$ 4,310.00	\$ 1,834.00	\$ -	\$ 6,144.00	
33131918	Vapor Phase Carbon (8,000 CFM)	1	EA	\$ 23,100.00	\$ 1,195.00	\$ 173.00	\$ 24,468.00	
33290121	Pump from VLS to Tank (50 gpm)	1	EA	\$ 2,685.00	\$ 842.00	\$ -	\$ 3,527.00	
33290404	Sump Pump (150 gpm) 2nd containment	1	EA	\$ 2,596.00	\$ 569.00	\$ -	\$ 3,165.00	
33130116	0-50 GPM Cartridge Filter Equipment	1	EA	\$ 2,284.00	\$ 46.04	\$ -	\$ 2,330.04	
	Plumbing and Electrical	1	LS	\$ 17,574.00	\$ 5,550.00	\$ -	\$ 23,124.00	Get-A-Quote.com - includes pump controls, gauges
	AMEC Heat System	1	LS	\$ 8,000.00	\$ 2,000.00	\$ -	\$ 10,000.00	
	Task Subtotal						\$ 244,094.61	

**Appendix I - Alternative 5a and 5b Detailed Cost Backup
 Groundwater Extraction and Treatment**

Task Subtask Assembly (1)	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Comments/ Assumptions
Groundwater Extraction and Treatment - South of Facility and Roosevelt Boulevard (Alternative 5b)								
Extraction Well Installation		Total of 14 extraction wells. Assume 1/day.						
33220112	Field Technician	140	HR	\$ 9.50	\$ 35.00	\$ -	\$ 6,230.00	14 days, includes per diem
33010102	Van Rental	14	DAY	\$ 38.48	\$ -	\$ -	\$ 538.72	
33010101	Mobilize/Demobilize Drilling Rig & Crew	1	LS	\$ -	\$ 2,855.00	\$ 969.76	\$ 3,824.76	Assume level D
33231178	Move Rig/Equipment Around Site	14	EA	\$ 58.00	\$ 100.80	\$ 139.40	\$ 4,174.81	
33232205	Well Vault for equipment	14	EA	\$ 944.29	\$ 834.28	\$ 2,033.00	\$ 53,361.98	
33020303	Organic Vapor Analyzer Rental, per Day	14	DAY	\$ 115.88	\$ -	\$ -	\$ 1,622.28	
33170808	Decontaminate Rig, Augers, Screen (Rental Equipment)	14	DAY	\$ -	\$ 108.60	\$ -	\$ 1,520.40	
33231103	Hollow Stem Auger, 11" Dia Borehole, Depth <=100 ft	420	LF	\$ -	\$ 11.62	\$ 33.13	\$ 18,795.00	14 wells to 30 ft bgs
33230122	4" Stainless Steel, Well Casing	280	LF	\$ 28.96	\$ 3.51	\$ 10.00	\$ 11,892.72	20 ft risers
33230222	4" Stainless Steel, Well Screen	140	LF	\$ 28.96	\$ 3.51	\$ 10.00	\$ 5,946.36	10 ft screens
33231402	4" Screen, Filter Pack	140	LF	\$ 5.50	\$ 3.51	\$ 10.00	\$ 2,661.62	
33231802	4" Well, Grout	280	LF	\$ 5.09	\$ 19.98	\$ 57.00	\$ 22,978.37	
33232102	4" Well, Bentonite Seal	14	EA	\$ 23.16	\$ 19.72	\$ 56.26	\$ 1,387.97	
33230526	4" Submersible pumps, 8-14 GPM, <80ft, with controls	15	EA	\$ 1,584.00	\$ 65.97	\$ -	\$ 24,749.55	Includes extra pump
	AMEC Pressure Transducers & Float Switches	15	EA	\$ 2,400.00	\$ 65.97	\$ -	\$ 36,989.55	Includes one extra
33270441	4" PVC, Sch 80, Ball Valve	15	EA	\$ 266.02	\$ 65.97	\$ -	\$ 4,979.85	Includes one extra
33310209	Pressure Gauge	15	EA	\$ 65.02	\$ 65.97	\$ -	\$ 1,964.85	Includes one extra
	AMEC Flow transmitting meters	15	EA	\$ 350.00	\$ 65.97	\$ -	\$ 6,239.55	
25575772	4' X 4' Hatch	14	EA	\$ 556.19	\$ 701.20	\$ 2,000.00	\$ 45,603.46	
33231189	DOT steel drums, 55 gal., open,	42	EA	\$ 81.00	\$ -	\$ -	\$ 3,402.00	
20836142	Load soil into 55 gal drums	42	EA	\$ -	\$ 29.33	\$ -	\$ 1,231.86	
33190303	Transport/Dispose (non-haz)	42	EA	\$ 255.77	\$ -	\$ -	\$ 10,742.34	
Overburden Monitoring Wells		Total of 7 for additional monitoring of GW capture.						
33220112	Field Technician	40	HR	\$ 9.50	\$ 35.00	\$ -	\$ 1,780.00	5 days, include per diem
33010102	Van Rental	5	DAY	\$ 38.48	\$ -	\$ -	\$ -	
33010101	Mobilize/Demobilize Drilling Rig & Crew	1	LS	\$ -	\$ 2,855.00	\$ 969.76	\$ 3,824.76	Assume level D
33231178	Move Rig/Equipment Around Site	7	EA	\$ 58.00	\$ 100.80	\$ 139.40	\$ 2,087.41	
33231504	Surface Pad, Concrete, 2' x 2' x 4"	7	EA	\$ 39.79	\$ 73.60	\$ 1.76	\$ 806.05	
33020303	Organic Vapor Analyzer Rental, per Day	5	DAY	\$ 115.88	\$ -	\$ -	\$ 579.38	
33170808	Decontaminate Rig, Augers, Screen (Rental Equipment)	5	DAY	\$ -	\$ 108.60	\$ -	\$ 543.00	
33231101	Hollow Stem Auger, 8" Dia Borehole, Depth <=100 ft	210	LF	\$ -	\$ 6.41	\$ 30.58	\$ 7,767.90	7 wells 30 feet deep
33230101	2" PVC, Schedule 40, Well Casing	140	LF	\$ 1.20	\$ 2.34	\$ 7.14	\$ 1,494.64	20 ft risers
33230201	2" PVC, Schedule 40, Well Screen	70	LF	\$ 2.78	\$ 3.02	\$ 9.21	\$ 1,050.48	10 ft screens
33230301	2" PVC, Well Plug	7	EA	\$ 5.84	\$ 3.51	\$ 10.70	\$ 140.38	
33231401	2" Screen, Filter Pack	70	LF	\$ 3.12	\$ 1.99	\$ 6.07	\$ 782.60	
33231811	2" Well, Portland Cement Grout	140	LF	\$ 1.16	\$ -	\$ -	\$ 163.07	15 feet grout
33232101	2" Well, Bentonite Seal	7	EA	\$ 9.27	\$ 7.89	\$ 24.08	\$ 288.65	
33231189	DOT steel drums, 55 gal., open,	21	EA	\$ 81.00	\$ -	\$ -	\$ 1,701.00	
20836142	Load soil into 55 gal drums	21	EA	\$ -	\$ 29.33	\$ -	\$ 615.93	

**Appendix I - Alternative 5a and 5b Detailed Cost Backup
 Groundwater Extraction and Treatment**

Task	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Comments/ Assumptions
Subtask								
Assembly (1)								
	33190303 Transport/Dispose (non-haz)	21	EA	\$ 255.77	\$ -	\$ -	\$ 5,371.17	
Treatment System								
	33220112 Field Technician	480	HR	\$ 9.50	\$ 35.00	\$ -	\$ 21,360.00	Oversight of GWTS Installation, Assume 3 mths
	33010102 Van Rental	60	DAY	\$ 38.48	\$ -	\$ -	\$ 2,308.80	
Trenching								
	02200.250.5050 Pavement Removal	833	SY	\$ -	\$ 2.97	\$ 1.99	\$ 4,133.33	Piping from wells to treatment system, RS Means, Site Work and Landscape Cost Data, 2006
	17030255 Trenching, Backfill & Compaction	1390	CY	\$ -	\$ 3.81	\$ 1.02	\$ 6,713.70	2500 feet long, 5 feet deep, 3 feet wide
	18010102 Gravel, Delivered, Dumped & graded	560	CY	\$ 21.11	\$ 1.78	\$ 1.62	\$ 13,725.60	Assume 2'
	33260502 2" polyethylene (SDR21) piping	3000	LF	\$ 0.43	\$ 5.01	\$ -	\$ 16,320.00	Piping from wells to GWTS, then to catch basin
	02740.310.1050 Pavement Restoration	833	SY	\$ 8.40	\$ 19.90	\$ 1.63	\$ 24,941.67	RS Means, Site Work and Landscape Cost Data, 2006
Building & Major Equipment								
	20' X 24' Pre-engineered building	1	EA	\$ 6,650.00	\$ 4,600.00	\$ -	\$ 11,250.00	Get-A-Quote.com
	23101150 Fine Grading for Slab on Grade	85	SY	\$ -	\$ 0.96	\$ 0.44	\$ 119.00	
	23003106220 Compaction for Slab on Grade							
	Vibrating roller (4 passes), 2 lifts	85	CY	\$ -	\$ 0.31	\$ 1.06	\$ 116.45	
	A10301204520 20' X 24' Concrete Slab (6" thick)	480	SF	\$ 3.01	\$ 3.14	\$ -	\$ 2,952.00	
	A2020110 2' high concrete walls (2nd containment)	88	LF	\$ 12.25	\$ 40.50	\$ -	\$ 4,642.00	
	33130726 4' diam, 6.5' high, Air stripper with blower, 150 GPM, 7,500 CFM	1	EA	\$ 10,900.00	\$ 3,617.00	\$ 522.28	\$ 15,039.28	
	33130741 Electrical Controls for Air Stripper	1	EA	\$ 4,341.00	\$ 1,341.00	\$ 86.28	\$ 5,768.28	
	33109716 1,000 Gallon Double-Walled Storage Tank W/Leak detection	1	EA	\$ 901.24	\$ -	\$ -	\$ 901.24	Equalization tank
	33290124 Pump from tank to AS (150 gpm)	1	EA	\$ 4,310.00	\$ 1,834.00	\$ -	\$ 6,144.00	
	33131918 Vapor Phase Carbon (8,000 CFM)	1	EA	\$ 23,100.00	\$ 1,195.00	\$ 173.00	\$ 24,468.00	
	33290121 Pump from VLS to Tank (50 gpm)	1	EA	\$ 2,685.00	\$ 842.00	\$ -	\$ 3,527.00	
	33290404 Sump Pump (150 gpm) 2nd containment	1	EA	\$ 2,596.00	\$ 569.00	\$ -	\$ 3,165.00	
	33130116 0-50 GPM Cartridge Filter Equipment	1	EA	\$ 2,284.00	\$ 46.04	\$ -	\$ 2,330.04	
	Plumbing and Electrical	1	LS	\$ 17,574.00	\$ 5,550.00	\$ -	\$ 23,124.00	Get-A-Quote.com - includes pump controls, gauges
	AMEC Heat System	1	LS	\$ 8,000.00	\$ 2,000.00	\$ -	\$ 10,000.00	
	Task Subtotal						\$ 502,883.82	
ALTERNATIVE ANNUAL AND PERIODIC COSTS								
Treatment System Op., Maint., and Monitoring (Alternative 5a)								
	O&M (Technician 10 hrs/week)	520	HR	\$ 9.50	\$ 35.00	\$ -	\$ 23,140.00	10 hrs per week, includes reporting and maintenance
	Analytical for Discharge	12	Months	\$ 1,000.00	\$ -	\$ -	\$ 12,000.00	full suite
	Utilities	12	Months	\$ 750.00	\$ -	\$ -	\$ 9,000.00	4 0.5 HP pumps, 2 1.25 HP pumps, and 1 2 HP blower @ \$0.21 per KWH
	Routine Maintenance	1	LS	\$ 2,440.95	\$ 4,881.89	\$ 4,881.89	\$ 12,204.73	assume 5% of capital cost
	Task Subtotal						\$ 56,344.73	
Treatment System Op., Maint., and Monitoring (Alternative 5b)								
	O&M (Technician 10 hrs/week)	520	HR	\$ 9.50	\$ 35.00	\$ -	\$ 23,140.00	10 hrs per week, includes reporting and maintenance
	Analytical for Discharge	12	Months	\$ 1,000.00	\$ -	\$ -	\$ 12,000.00	full suite
	Utilities	12	Months	\$ 1,300.00	\$ -	\$ -	\$ 15,600.00	14 0.5 HP pumps, 2 1.25 HP pumps, and 1 2 HP blower @ \$0.21 per KWH
	Routine Maintenance	1	LS	\$ 5,028.84	\$ 10,057.68	\$ 10,057.68	\$ 25,144.19	assume 5% of capital cost
	Task Subtotal						\$ 75,884.19	

Appendix I - Alternative 5a and 5b Detailed Cost Backup
Groundwater Extraction and Treatment

Task	Description	Quantity	Unit of Measure	Material Unit Cost	Labor Unit Cost	Equipment Unit Cost	Extended Cost	Comments/ Assumptions
Subtask	Assembly (1)							
Long-Term Monitoring (Years 1 through 30)								
	Groundwater Monitoring (12 wells, quarterly, years 1 and 2)							
	Refer to Alternative 2	Task Subtotal					\$ 31,174.73	
	Groundwater Monitoring (12 wells, semi-annual, years 3 and 4)							
	Refer to Alternative 2	Task Subtotal					\$ 18,275.24	
	Groundwater Monitoring (12 wells, 15 month, years 5 through 30)							
	Refer to Alternative 2	Task Subtotal					\$ 7,127.64	

**APPENDIX I - PRESENT VALUE OF PERIODIC COSTS FOR ALTERNATIVE 5a
 Groundwater Extraction and Treatment (South of Gent Property)**

Year	Cost*	Number of Annual Periods	Annual Discount Rate	Number of 5-Year Periods	5-Year Discount Rate	Number of 10-Year Periods	10-Year Discount Rate	Total Non-Discounted Cost	Present Value Cost
Capital (Year 0)	\$ 477,000	1	0	NA	NA	NA	NA	\$ 477,000.00	\$ 477,000.00
Treatment System Op., Maint., and Monitoring (Alternative 5a)	\$ 76,000	30	0.05	NA	NA	NA	NA	\$ 2,280,000.00	\$ 1,168,306.28
Long-Term Monitoring (Years 1 and 2)	\$ 42,000	2	0.05	NA	NA	NA	NA	\$ 84,000.00	\$ 78,095.24
Long-Term Monitoring (Years 3 and 4)	\$ 25,000	2	0.05	NA	NA	NA	NA	\$ 50,000.00	\$ 42,163.50
Long-Term Monitoring (Years 5 through 30)	\$ 10,000	26	0.05	NA	NA	NA	NA	\$ 260,000.00	\$ 118,265.01
Totals								\$ 2,841,000.00	\$ 1,723,401.52

*Annual and periodic costs include 10% for technical support and 25% contingency for unforeseen project complexities, including insurance, taxes, and licensing costs.

Capital costs include 25% contingency, as well as and project management, remedial design, and construction management costs per DER-10 guidance.

APPENDIX I - PRESENT VALUE OF PERIODIC COSTS FOR ALTERNATIVE 5b
Groundwater Extraction and Treatment (South of Gent Property / OU2 Plume)

Year	Cost*	Number of Annual Periods	Annual Discount Rate	Number of 5-Year Periods	5-Year Discount Rate	Number of 10-Year Periods	10-Year Discount Rate	Total Non-Discounted Cost	Present Value Cost
Capital (Year 0)	\$ 814,000	1	0	NA	NA	NA	NA	\$ 814,000.00	\$ 814,000.00
Treatment System Op., Maint., and Monitoring (Alternative 5b)	\$ 102,000	30	0.05	NA	NA	NA	NA	\$ 3,060,000.00	\$ 1,567,990.00
Long-Term Monitoring (Years 1 and 2)	\$ 42,000	2	0.05	NA	NA	NA	NA	\$ 84,000.00	\$ 78,095.24
Long-Term Monitoring (Years 3 and 4)	\$ 25,000	2	0.05	NA	NA	NA	NA	\$ 50,000.00	\$ 42,163.50
Long-Term Monitoring (Years 5 through 30)	\$ 10,000	26	0.05	NA	NA	NA	NA	\$ 260,000.00	\$ 118,265.01
Totals								\$ 3,958,000.00	\$ 2,460,085.24

*Annual and periodic costs include 10% for technical support and 25% contingency for unforeseen project complexities, including insurance, taxes, and licensing costs.

Capital costs include 25% contingency, as well as and project management, remedial design, and construction management costs per DER-10 guidance.



Project: Erdle Perforating
 Job No: 3612072094
 Created by: R. Belcher
 Date: 12/22/2009
 Checked by: S. Wright
 Date: 12/23/2009

Table H.1: Excavation Unit Cost Calculation Based on Crew and Equipment Production Rates, Source Soils

Production				
1. Excavated volume of soil		5,444	bcy	
2. Excavator		CAT 330		
3. Bucket Size		2	cy	
4. Bucket Fill Factor		90%		Note 1
5. CY/bucket		1.8	cy	
6. Operator/Site Efficiency		25%		Note 2
7. Cycles/minute		3.5		Note 3
8. Actual cycles/minute		0.875	cycles/min	
9. LCY/minute		1.6	lcy/min	
10. Productive minutes/hour		49	min/hr	Note 4
11. LCY/hour		77.2		
12. Hours/day		8	hrs/day	
13. LCY/day		617.4	lcy/day	
14. BCY/day		556	bcy/day	Note 5
15. Days to complete		10.8		Note 6
16. Crew Hours		88.0		Note 7
Labor and Equipment Costs				
Unit	Quantity	Rate	Hours	Cost
1. Laborer	1	\$20.00	88.0	\$1,760.00
2. Operator	1	\$25.00	88.0	\$2,200.00
3. Excavator	1	\$130.00	88.0	\$11,440.00
Diesel (Note 8)				
Machine	HP	\$/gallon	Gallons/hr	Cost
CAT 330	222	\$2.73	12.68	\$3,041.93

Bucket Fill Factors	
Moist Loam Sandy Soil	100-110%
Sand & Gravel	95-110%
Hard Tough Clay	80-90%
Rock - Well Blasted	60-75%
Rock - Poorly Blasted	40-50%

Total Excavation Costs (Note 9)	
Lump Sum	\$18,441.93
Cost/BCY	\$3.39

Notes:

- See "Bucket Fill Factors Table". Material is classified generally as hard packed fill and some C&D debris, therefore 75% was selected.
- All inefficiencies are carried in the "Operator/Site Efficiency" line item.
- "Cycles/minute" line item assumes 100% efficiency.
- "Productive minutes/hour" accounts for time lost to: safety talk, nonproductive time before/after breaks, early breakdown.
 calculation: 8 hr work day
 15 minute safety talk
 15 minutes post talk prior to productive work
 10 minutes nonproductive time before and after coffee break (20 min total)
 10 minutes nonproductive time before and after lunch break (20 min total)
 15 minutes nonproductive time at end of day

 85 nonproductive minutes/day
 11 nonproductive minutes/hour
 49 productive minutes/hour
- Assume 10% shrink/swell conversion between bank cubic yards (bcy) and loose cubic yards (lcy).
- Assumes 1 day of lost work due to inclement weather
- Assume hours are rounded up to the nearest whole day.
- Diesel unit price based on data reported by Energy Information Administration (EIA), Official Energy Statistics of the U.S. government, reported for 12/21/09, <<http://tonto.eia.doe.gov/oog/info/gdu/gasdiesel.asp>>
- Total excavation cost estimate does not include mobilization/demobilization or transportation.



Project: Erdle Perforating
 Job No: 3612072094
 Created by: R. Belcher
 Date: 12/22/2009
 Checked by: S. Wright
 Date: 12/23/2009

Table H.2: Excavation Unit Cost Calculation Based on Crew and Equipment Production Rates, Source Soils

Production				
1. Excavated volume of soil	9,722	bcy		
2. Excavator	CAT 330			
3. Bucket Size	2	cy		
4. Bucket Fill Factor	90%		Note 1	
5. CY/bucket	1.8	cy		
6. Operator/Site Efficiency	25%		Note 2	
7. Cycles/minute	3.5		Note 3	
8. Actual cycles/minute	0.875	cycles/min		
9. LCY/minute	1.6	lcy/min		
10. Productive minutes/hour	49	min/hr	Note 4	
11. LCY/hour	77.2			
12. Hours/day	8	hrs/day		
13. LCY/day	617.4	lcy/day		
14. BCY/day	556	bcy/day	Note 5	
15. Days to complete	18.5		Note 6	
16. Crew Hours	152.0		Note 7	
Labor and Equipment Costs				
Unit	Quantity	Rate	Hours	Cost
1. Laborer	1	\$20.00	152.0	\$3,040.00
2. Operator	1	\$25.00	152.0	\$3,800.00
3. Excavator	1	\$130.00	152.0	\$19,760.00
Diesel (Note 8)				
Machine	HP	\$/gallon	Gallons/hr	Cost
CAT 330	222	\$2.73	12.68	\$5,254.25

Bucket Fill Factors	
Moist Loam Sandy Soil	100-110%
Sand & Gravel	95-110%
Hard Tough Clay	80-90%
Rock - Well Blasted	60-75%
Rock - Poorly Blasted	40-50%

Total Excavation Costs (Note 9)	
Lump Sum	\$31,854.25
Cost/BCY	\$3.28

Notes:

- See "Bucket Fill Factors Table". Material is classified generally as hard packed fill and some C&D debris, therefore 75% was selected.
- All inefficiencies are carried in the "Operator/Site Efficiency" line item.
- "Cycles/minute" line item assumes 100% efficiency.
- "Productive minutes/hour" accounts for time lost to: safety talk, nonproductive time before/after breaks, early breakdown.
 calculation: 8 hr work day
 15 minute safety talk
 15 minutes post talk prior to productive work
 10 minutes nonproductive time before and after coffee break (20 min total)
 10 minutes nonproductive time before and after lunch break (20 min total)
 15 minutes nonproductive time at end of day

 85 nonproductive minutes/day
 11 nonproductive minutes/hour
 49 productive minutes/hour
- Assume 10% shrink/swell conversion between bank cubic yards (bcy) and loose cubic yards (lcy).
- Assumes 1 day of lost work due to inclement weather
- Assume hours are rounded up to the nearest whole day.
- Diesel unit price based on data reported by Energy Information Administration (EIA), Official Energy Statistics of the U.S. government, reported for 12/21/09, <<http://tonto.eia.doe.gov/oog/info/gdu/gasdiesel.asp>>
- Total excavation cost estimate does not include mobilization/demobilization or transportation.



Project: Erdle Perforating
 Job No: 3612072094
 Created by: R. Belcher
 Date: 12/22/2009
 Checked by: S. Wright
 Date: 12/23/2009

Table H.3: Transportation and Disposal Unit Rates Backup Calculations

Waste type/description	VOCs < 60 PPM	VOCs > 60, < 180 PPM	VOCs > 180 PPM	Notes
Disposal Facility Location	Model City, NY	Model City, NY	Model City, NY	12/22/2009 Waste Management quote
Transportation (\$/ton)	\$ 25.00	\$ 25.00	\$ 25.00	
Disposal (\$/ton)	\$ 70.00	\$ 150.00	\$ 1,100.00	
State Tax (\$/ton)	\$ -	\$ -	\$ -	applies to total
State Tax (%)	8.00%	8.00%	8.00%	applies to total
Local Tax (%)	6.00%	6.00%	6.00%	applies to disposal
Transportation Fuel Surcharge (%)	24%	24%	24%	applies to transportation
Disposal Fuel Surcharge (%)	0%	0%	0%	applies to disposal
Environmental Fees (%)	3%	3%	3%	applies to disposal
Total	\$ 115.88	\$ 210.06	\$ 1,328.40	

Alternative 3:

VOCs less than 60 milligrams per kilogram
 VOCs greater than 60 but less than 180 milligrams per kilogram
 VOCs greater than 180 milligrams per kilogram

	Surface Area	Cubic yards	Notes:
	3514	1562	
	2198	1887	includes one half of >180 area
	4096	910	assume one-half of area is <180
Total:	9808	4359	

Alternative 7:

VOCs less than 60 milligrams per kilogram
 VOCs greater than 60 but less than 180 milligrams per kilogram
 VOCs greater than 180 milligrams per kilogram

	Surface Area	Cubic yards	Notes:
	11233	4992	
	2198	1887	includes one half of >180 area
	4096	910	assume one-half of area is <180
Total:	17527	7790	



Project: Erdle Perforating
Job No: 3612072094
Created by: R. Belcher
Date: 12/22/2009
Checked by: S. Wright
Date: 12/23/2009

Table H.4: Confirmation Sample Quantity Backup Calculations

Alternative 3: Source Area	No. of samples	
Perimeter (linear feet)	392	13
Footprint (square feet)	9800	11

Alternative 7: Excavation to Unres. Use SCOs	No. of samples	
Perimeter (linear feet)	544	18
Footprint (square feet)	17530	19

Notes:

One sample per 900 square feet of excavation bottom

One sample per 30 linear feet of excavation sidewall



Project: Erdle Perforating
 Job No: 3612072094
 Created by: R. Belcher
 Date: 12/22/2009
 Checked by: S. Wright
 Date: 12/23/2009

Table H.5: Cost Estimate Volume and Mass Calculations

Alternative 3 and 7 - Sludge generated from wastewater handling:

Assume:

50
100
20
2

 percent solids
 gallons per minute
 days operation
 tons per cubic yard

Calculate number of drums of sludge:

420.4	gallons
7.6	55-gal drums

Alternative 5 - Zero-valent Iron and Bentonite Quantities:

Assume:

110
8085
2
1
161.7
80.85

 pounds per cubic foot, soil bulk density
 tons of source area soils
 percent, zero-valent iron w/w
 percent, bentonite w/w
 tons, zero-valent iron
 tons, bentonite

APPENDIX I

ALTERNATIVES 3A AND 3B: PERMEABLE REACTIVE BARRIERS – CALCULATIONS, REFERENCES AND ASSUMPTIONS



ADVENTUS

Proven Soil, Sediment, and Groundwater
Remediation Technologies

Via Email: nrlewis@mactec.com

August 12, 2011

Nathan R. Lewis
Staff Engineer
AMEC (MACTEC)
511 Congress Street, Suite 200
Portland, ME 04101
P: 1-207-828-3408



**Subject: Preliminary Remedial Design - Treatment of chlorinated solvents using EHC®
ISCR Technology
Gent Uniform Site, Massapequa, NY
Adventus Proposal No. AAI11-505**

Dear Mr. Lewis:

Please find herewith a conceptual remedial design and cost estimate for employing reductive EHC® *in situ* chemical reduction (ISCR) technology to remove chlorinated volatile organic compounds (CVOCs) from groundwater at the above referenced site (the Site). The cost estimate includes EHC amendments and delivery (estimated); Adventus on-site field support for the initiation of the project is presented as a highly recommended option.

In developing this proposal, Adventus recognizes that we may have received potentially sensitive data and confidential information. Since our inception, Adventus has always maintained client files in confidence and we will preserve the confidentiality of sensitive data and confidential information received in developing our proposal.

TECHNOLOGY BACKGROUND

EHC® is the original, patented combination of controlled-release carbon and zero valent iron (ZVI) particles used for stimulating *in situ* chemical reduction (ISCR) of otherwise persistent organic compounds in groundwater. Variations of these materials have been used to treat over 9,000,000 tons of soil/sediment impacted by recalcitrant compounds as part of the company's DARAMEND® bioremediation technology. Both EHC and DARAMEND are proven, established technologies that have been used at hundreds of sites to date throughout the world. The technologies have been accepted and many Federal, State and regional regulatory authorities within the USA/Canada (**Figure 1a**) Europe (**Figure 1b**) and other places around the world.

EHC is available as a **solid or liquid** material that can be easily injected into the subsurface environment in a variety of ways, based on site-specific designs. Application methods include

direct mixing, hydraulic fracturing, pneumatic fracturing, and injection of slurries or liquids. Direct placement in trenches and excavations are also reliable application methods.



Figure 1a. Adventus Projects - North America
5 Provinces, 48 States > 2,000 projects



Figure 1b. Adventus Projects – “Europe”
17 Countries ca. 100 projects

Following placement of EHC into the subsurface environment, a number of physical, chemical and microbiological processes combine to create very strong reducing conditions that stimulate rapid and complete dechlorination of organic solvents and other recalcitrant compounds. First, the organic component of EHC (fibrous organic material) is nutrient rich, **hydrophilic** and has high surface area; thus, it is an ideal support for growth of bacteria in the groundwater environment. As they grow on EHC particle surfaces, indigenous heterotrophic bacteria consume dissolved oxygen thereby reducing the redox potential in groundwater. In addition, as the bacteria grow on the organic particles, they ferment carbon and release a variety of volatile fatty acids (acetic, propionic, butyric) which diffuse from the site of fermentation into the groundwater plume and serve as electron donors for other bacteria, including dehalogenators and halo-respiring species. Finally, the small ZVI particles (ca. <5 to 45 μm) provide substantial reactive surface area that stimulates direct chemical dechlorination and an additional drop in the redox potential of the groundwater via chemical oxygen scavenging.

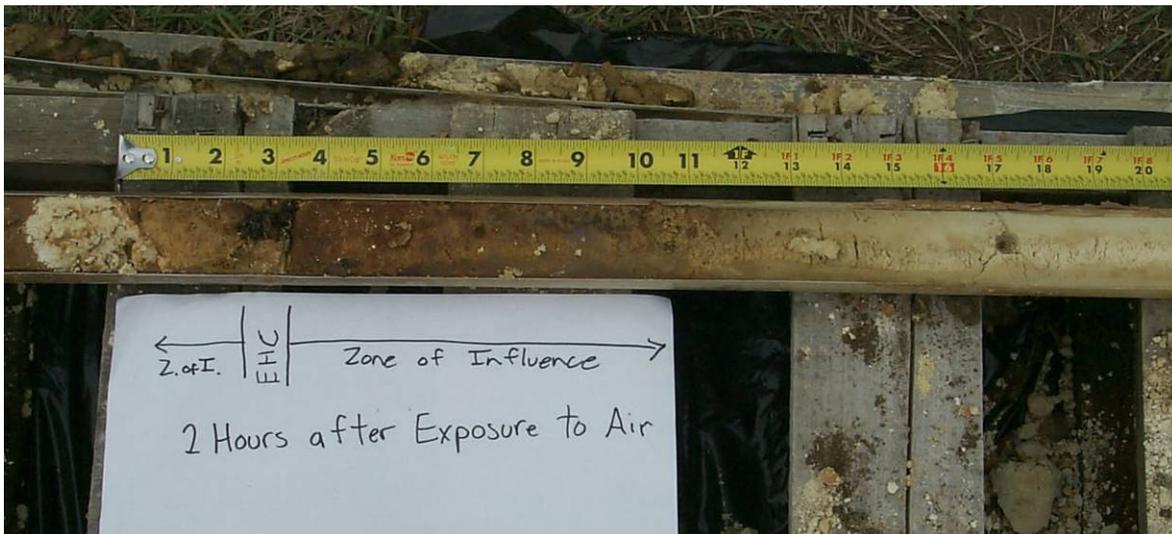
These physical, chemical and biological processes combine to create an extremely reduced environment that stimulates chemical and microbiological dechlorination of otherwise persistent compounds. Redox potentials as low as -550 mV are commonly observed in groundwater after EHC application. At these Eh levels, many organic constituents of interest (COI) are thermodynamically unstable and they will readily degrade via pathways more typical of physical destruction processes (minimum production and no accumulation of typically recognized biodegradation intermediates such as DCE for TCE). Hence, the ISCR technology is microbiologically based in that we rely on indigenous microbes to biodegrade the EHC carbon

(refined plant materials), but we do not require the presence or activity of special or otherwise unique bacteria for complete and effective remediation.

The type of EHC used for a given site depends, in part, on the construction method employed to emplace the material into the subsurface. If a direct mixing or direct placement method is used, the standard slow release, solid EHC material would likely be utilized. If an injection method is used, however, a combination of fast and slow release EHC may be preferred. If the material is to be placed through an existing well network, then a water-soluble, aqueous formulation (EHC-L) may be utilized.

In either event, the fibrous organic carbon and ZVI or other reduced metal that comprises the slow release EHC will remain in the location where it is injected. It will not only treat COI that migrates into the treated area, but it will also have a ‘halo’ or ‘zone of influence’ of low redox conditions that will extend beyond its physical space, greatly increasing its effectiveness. **Figure 2** shows how EHC injection creates a wide zone of influence outside of its immediate location. The native soil color is the yellow visible on the right hand side of the core. The orange discoloration is due to the low redox conditions created by the EHC, which became apparent after exposure to the air for 2 hours.

Figure 2: Photograph of a soil core, from 30 ft to 33 ft bgs, showing a 1-inch seam.



MODE OF ACTION – ISCR FOR CVOCs

It is critical to understand that the processes of COI destruction under ISCR conditions are different from the typical pathways. The primary COIs in the Site groundwater are PCE/TCE and the recognized daughter products of reductive dehalogenation reactions that occur under normal anaerobic conditions (**Figure 3**).

CASE STUDIES

EHC treatment has effectively removed a range of CVOCs under full-scale field conditions without generation of potentially problematic catabolites (**Appendix A**):

- EHC for source area treatment in clayey lithology (PCE and catabolites), Former dry cleaner, Oregon
- EHC-M for isolated hotspot treatment (TCE and Cr(VI)), NW USA
- EHC for source area mass reduction (TCE, TCA and catabolites), Cherry Point, North Carolina
- EHC for complete plume treatment using multiple reactive barriers (CF, TCE and OCPs), Confidential site, Southeast USA
- EHC injection PRB for plume management (CT, CF), confidential site, Kansas
- EHC injection PRB for plume management (cis-DCE and VC), confidential site, Ohio
- EHC trench PRB and excavation backfill (PCE and daughters), confidential site, Texas
- EHC applied via hydraulic fracturing into partially weathered rock, confidential site, Manufacturing facility, North Carolina

EHC has been accepted by many regulatory agencies throughout the USA. The product is made in the USA and supplied in 50 lb bags as a powder which can be mixed with soil or slurried in water. Installation techniques vary widely depending on the application. For example, the powder can be mixed with soil and placed at the bottom of an excavation where prior soil removal had been conducted. A slurry can be made and the mixture can be injected into the subsurface using techniques such as direct injection through GeoProbe rods or hydraulic fracturing.

POTENTIAL ADVANTAGES OF USING EHC ISCR TECHNOLOGY

The patented combination of controlled-release organic carbon plus ZVI uniquely yields ISCR conditions which give EHC powerful technical advantages over other materials that provide only carbon (*i.e.*, emulsified oils, molasses or lactate-based substrates) or only ZVI. These include:

- **Health and Safety.** Safe handling and easy application with no bulky or hazardous material disposal issues;
- **Minimal Methane Production.** The presence of ZVI and the complex, controlled-release carbon source help minimize production of potentially problematic fermentation end-products, such as methane;
- **Predictable Performance.** EHC uniquely integrated chemical and microbiological degradation processes which allows treatment to proceed at a predictable rate;
- **Constructability.** EHC is easily and quickly injected using conventional construction technologies;
- **No Mobilization of Contaminants.** Optimal volume of EHC slurry is injected **without the need for extensive water flushing**, which avoids potential displacement and mobilization issues;

- **Accelerated Site Closure** due to the ability of the EHC system to rapidly remove COI mass via a combination of biogeochemical degradation processes **without relying on physical sorption / sequestration as a major “removal” mechanism, ala oils;**
- **ISCR.** Combined chemical and biological oxygen scavenging facilitates rapid oxygen consumption and establishment of reduced Eh; Generation of significantly lowered reducing conditions usually eliminates any requirement for specialty microorganisms or inoculants;
- **No Dead-End Intermediates.** Rapid COI removal without accumulation of potentially problematic catabolites, such as *cis* DCE from TCE or chloroform (CF) from carbon tetrachloride (CT) (see Dolfig *et al.*, 2008; Liu *et al.*, 2000)
- **Applicability.** Demonstrated effective on a wide range of COI, including chlorinated solvents, Freons, pesticides, perchlorate and other energetic compounds (explosives);
- **Longevity with no Rebound.** EHC remains active in the environmental for 12 to 60 months hence COI rebound phenomena are not observed (rebound is common when using readily biodegradable, liquid substrates);
- **Complete Technology.** Provision of major, minor and micronutrients that are essential to the activity of fastidious anaerobic bacteria involved in recognized dechlorination reactions;
- **Buffering Capacity.** Provision of substantial pH buffering capacity (i.e., different EHC products are designed to release alkalinity, acidity or to maintain a neutral pH). In contrast, the addition of conventional organic substrates (e.g., emulsified oils, molasses or lactate-based materials) to promote COI biodegradation can lead to aquifer acidification;
- **Facilitates Natural Attenuation Processes.** For all the reasons summarized above, EHC enhances the natural biological processes. Other technologies may offer short term COI reduction via sorption reactions, etc. but they can alter the environmental conditions such that natural attenuation mechanisms are adversely influenced; and
- **Simultaneous Immobilization of Heavy Metals.** EHC will not mobilize arsenic, and EHC-M will simultaneously immobilize many other heavy metals, which may be present as other potential COIs.

UNDERSTANDING SITE CONDITIONS

The site is located in Massapequa, New York where historical releases of chlorinated solvents are related to dry clean activities. Previous remedial activities to remove source contamination have been implemented through an excavation and a SVE system. However, subsequent monitoring of off-site groundwater has shown that a source likely still exists and a chlorinated solvent plume has migrated off-site and traveled around 1500 ft beneath a residential area to the south-west, discharging to the nearby river. Tetrachloroethene (PCE), trichloroethene (TCE) and daughter degradation products (dichloroethene, vinyl chloride) are exceeding Groundwater Quality Criteria both at the source and downgradient (**Figure 5**).

Geology at the site consists of unconsolidated glacial outwash (mostly sand and gravel) that is 70 to 90 ft thick. This unit is underlain by a clay confining layer (Gardiners Clay). Groundwater at the site is contained in the glacial outwash (porosity of 0.3). Water table is met at an average depth of 10 ft. Groundwater is flowing towards the south-west with a hydraulic conductivity of 125 ft/day, a gradient of 0.00125 ft/ft and a flow velocity of 0.52 ft/day.

Based on the provided information, the contaminant plume at source zone is around 150 ft wide and between 10 ft to 25 ft deep (for the main plume; not taking into account the deep plume as per required by AMEC). The most recent analyses indicate the following maximum concentrations at source for the main chlorinated solvents:

- Tetrachloroethene (PCE): 921 µg/L (MW-1);
- Trichloroethene (TCE): 124 µg/L (MW-1);
- cis1,2-Dichloroethene (cis1,2-DCE): 11100 µg/L (MW-4);
- Vinyl chloride (VC): 4 µg/L (MW-4);

Geochemical information is detailed in **Table 1** hereafter. Redox conditions are slightly oxidant (91.7 mV in average) and pH is circum-neutral (6.56 in average).

Parameter Name	Units	Average if detected	Max if detected
Carbon Dioxide	µg/L	6753	7230
Ethane	µg/L	ND	ND
Ethene	µg/L	ND	ND
Iron (Fe)	µg/L	737	737
Manganese (Mn)	µg/L	941	941
Methane	µg/L	9.70	19.4
Nitrate + Nitrite as N	mg/L	0.76	0.87
Nitrite as N	mg/L	0.02	0.03
Sulfate	mg/L	13.7	18.7
Nitrate as N	mg/L	0.75	0.87
Total Alkalinity, as Calcium Carbonate	mg/L	48.9	59.9
Chloride	mg/L	40.5	56
Sulfide	mg/L	ND	ND
Total Organic Carbon (TOC)	mg/L	ND	ND
Calcium (Ca)	mg/L	-	13.3
Sodium (Na)	mg/L	-	35.8
pH	Std. Units	6.56	7.39
Temperature	Deg. C	13.0	13.6
Specific Conductance	mS/cm	0.28	0.39
Dissolved Oxygen	mg/L	0.97	1.84
Oxidation Reduction Potential (ORP)	mV	91.7	170

Table 1: Geochemical data in groundwater

CONCEPTUAL REMEDIAL DESIGN

A remedial design to cut of migrating contamination from the site has been requested. Considering usage and construction constraints (dense commercial and residential environment), two remediation options are considered (**Figure 5**):

- **Option 1:** Installation of a Permeable Reactive Barrier (PRB) directly south of the site (along the boundary of the site) in order to cut off migrating contamination from the site;
- **Option 2:** Installation of multiple PRBs (“fences”) along public rights of ways within the downgradient the plume.

Groundwater impacts will be treated using EHC. The remedial targets are 5 µg/L for PCE, TCE and cis1,2-DCE and 2 µg/L for VC (groundwater protection criteria - GWPC). The glacial outwash formation will be targeted by EHC direct push injections to create the PRB(s). To sustain continuous removal over time, we recommend a typical EHC application rate applied at other similar sites of 0.3% per mass of aquifer within the amended zone.

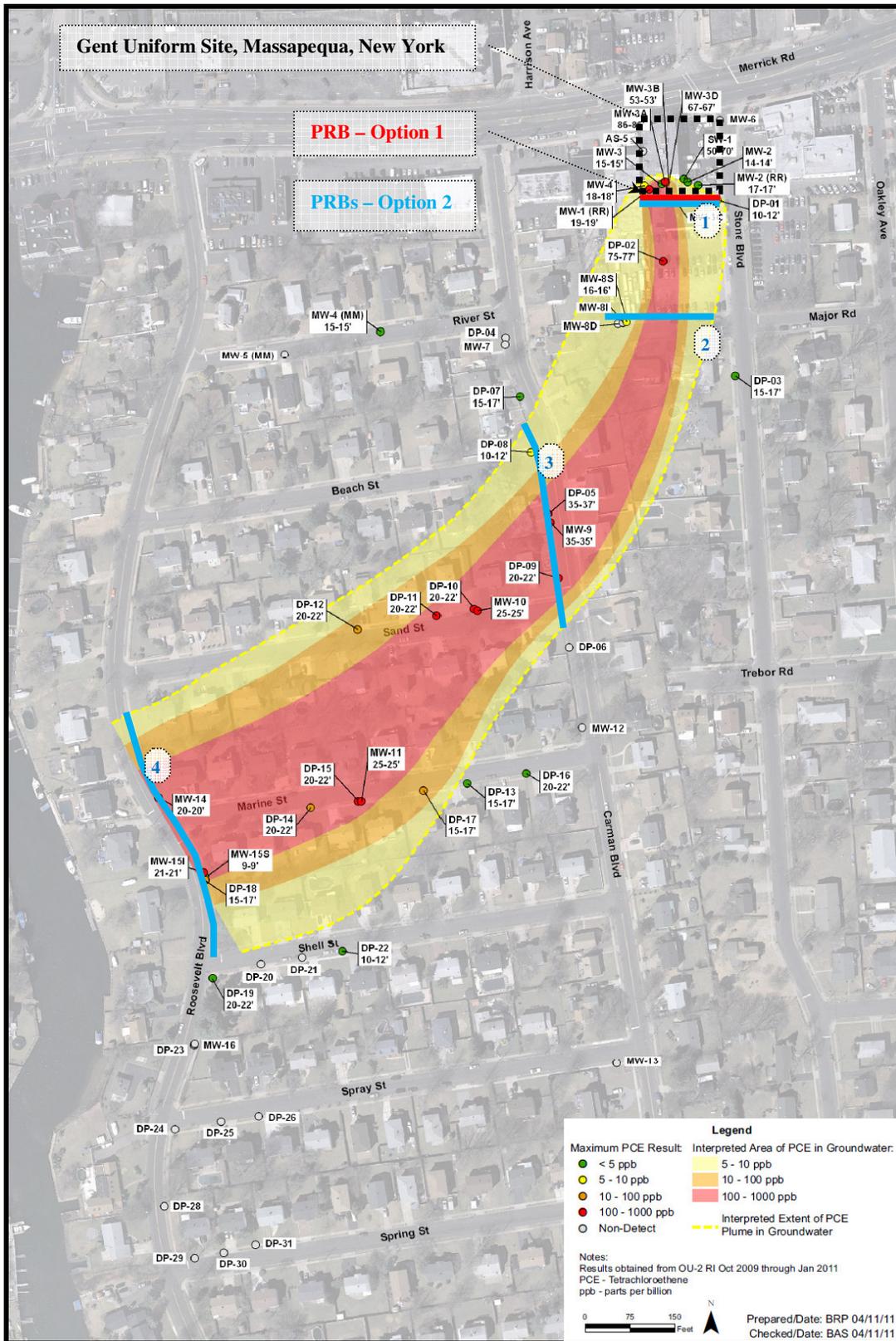


Figure 5: PCE in groundwater – plume extension for maximum concentrations
 Conceptual Remedial design: localization of Permeable Reactive Barriers

Option 1

The PRB unit will be installed along the southern boundary of the site (**Figure 5**). The PRB will be composed of 2 lines of EHC injections spaced 10 ft apart and placed from 10 ft to 25 ft deep bgs (in order to address the main plume), with a total length of 150 ft. Assuming installation using direct push technology (DPT) injections and a radius of influence of at least 5 ft, the PRB will then measure ca. 15 ft wide. Assuming 10 ft spacing between injection points within the PRB, 30 injection points would be required in 2 offset lines (15 points per line).

Option 2

The multiple PRBs system will consist in 4 PRBs/fences as per described in **Figure 5**. Considering vertical distribution of VOC along the plume axis, depth of PRBs sections will vary: from 10 ft to 25 ft deep for PRBs 1 and 2, from 15 ft to 50 ft deep for PRB 3 and from 10 ft to 40 ft deep for PRB 4.

PRB1 will be installed as for Option 1. PRB2 will be installed along the southern boundary of the parking lot at the level of MW-8 (200 ft long), PRB3 along Carman Blvd. (370 ft long) and PRB4 along Roosevelt Blvd (460 ft long).

Assuming installation using direct push technology (DPT) injections and a radius of influence of 5 ft, the PRBs will then measure ca. 15 ft wide (which is assumed realistic considering width of streets). Assuming 10 ft spacing between injection points within the PRBs:

- For PRB1: 30 injection points would be required in 2 offset lines (15 points per line),
- For PRB2: 40 injection points would be required in 2 offset lines (20 points per line),
- For PRB3: 74 injection points would be required in 2 offset lines (37 points per line),
- For PRB4: 96 injection points would be required in 2 offset lines (48 points per line),

The resulting EHC amount and injection details for each option are shown in **Table 2**.

Table 2: EHC mass requirements and injection details

PRB dimensions:	Option 1	Option 2				Unit
		PRB 1	PRB 2	PRB 3	PRB 4	
PRB length	150	150	200	370	480	ft
PRB width	15	15	15	15	15	ft
Depth to top of plume	10	10	10	15	10	ft bgs
Depth to bottom of plume	25	25	25	50	40	ft bgs
PRB thickness	15	15	15	35	30	ft
PRB volume	33,750	33,750	45,000	194,250	216,000	ft3
Mass of soil in PRB	1,856	1,856	2,475	10,684	11,880	U.S. tons
Estimated total porosity	34%	34%	34%	34%	34%	
Volume pore space	11,310	11,310	15,080	65,094	72,382	ft3
EHC mass calculations:						
Percentage EHC by soil mass	0.30%	0.30%	0.30%	0.30%	0.30%	
Linear groundwater velocity	0.52	0.52	0.52	0.52	0.52	ft/day
Contact time	29	29	29	29	29	days
Contact time * application rate multiplier	9	9	9	9	9	days*%EHC
Mass of EHC required	11,150	11,150	14,850	64,150	71,300	lbs
Preparation of EHC Slurry:						
Percent solids in slurry	29%	29%	29%	29%	29%	
Volume water required	3,347	3,347	4,457	19,256	21,402	U.S. gallons
Slurry volume	4,067	4,067	5,416	23,397	26,005	U.S. gallons
PRB injection layout:						
Number of injection lines	2	2	2	2	2	lines
Spacing between injection points	10	10	10	10	10	ft
Number of points per line	15	15	20	37	48	points/line
Total number of injection points	30	30	40	74	96	points
Injection details:						
Mass EHC per point	372	372	371	867	743	lbs
Water volume per point	112	112	111	260	223	U.S. gallons
Slurry volume per point	136	136	135	316	271	U.S. gallons
Number of layers per point	2	2	2	4	3	layers/point
Mass EHC per layer	186	186	186	217	248	lbs
Water volume per layer	56	56	56	65	74	U.S. gallons
Slurry volume per layer	68	68	68	79	90	U.S. gallons
Application rates for reference:						
Slurry volume to pore space volume	4.8%	4.8%	4.8%	4.8%	4.8%	
EHC concentration in groundwater	1.0	1.0	1.0	1.0	1.0	lbs/ft3

The EHC will be provided in 50 lbs bags as a dry powder and mixed with water on site into aqueous slurry containing ca. 29% solids.

DISTRIBUTION OF RESPONSIBILITIES

For field scale work at the Site, **Adventus** will provide environmental biotechnology and design support. It is our intention and understanding that **AMEC** (the Client) will be responsible for remedial construction, permitting, performance monitoring and reporting. The distribution of responsibilities envisioned is as follows:

1. Adventus will provide and arrange delivery of EHC to the Site.
2. The Client will be responsible for remedial construction contracting.
3. It is highly recommended that Adventus personnel be on site during project start-up to support The Client field staff.
4. Adventus will provide data interpretation to The Client upon request.
5. Adventus will provide technical writing support to The Client, upon request.
6. The Client will provide manpower for receiving shipments, monitoring treatment performance and collecting samples.
7. The Client will maintain overall project responsibility, and will maintain all client contact and control of the Site.
8. The Client will be responsible for all health and safety, permitting and approvals, sampling and analytical costs along with all data management and reporting costs.

ESTIMATED COST

AAI's material and delivery cost for the proposed treatment systems is presented in **Table 3**. Adventus oversight, labor and travel are presented as highly recommended options. These costs do not include possible bench scale tests, remedial construction, or other services assigned to Client. This pricing is valid for 30 days.

Adventus will provide copies of our patents and written, full indemnification backed by insurance coverage to Client and the end-user / client from any lawsuits purporting patent infringement or other technology violations.

Adventus warrants the performance of its technology. In the event that the prescribed EHC application does not yield at least 80% reduction in average chlorinated solvents in groundwater concentrations within the treatment zone within 9 to 12 months, then we will provide an equivalent amount of EHC at 50% of the listed price (plus delivery costs). Adventus' field installation oversight would also be provided at no cost. This performance guarantee requires that a representative from Adventus is on site for the initiation of the project and that the injections are conducted according with Adventus' recommendations.

Table 3: EHC Material Cost Estimate for PRBs (option 1 and option 2)

Cost Item	Option 1	Option 2				Unit
		PRB 1	PRB 2	PRB 3	PRB 4	
EHC Mass	11,150	11,150	14,850	64,150	71,300	lbs
EHC Unit Price ^{1,2}	\$2.50	\$1.70				\$US/lb
EHC Cost	\$27,875	\$27,875	\$37,125	\$160,375	\$178,250	\$US
Shipping Estimate ³	\$2,200	\$1,500	\$2,000	\$8,700	\$9,700	\$US
Adventus oversight and travel (2 days on site) ⁴	(\$2000)	(\$2000)	(\$2000)	(\$2000)	(\$2000)	\$US
TOTAL COST per PRB	\$30,075	\$29,375	\$39,125	\$169,075	\$187,950	\$US
TOTAL COST per Option⁵	\$30,075	\$425,525				\$US

1) Price valid for 30 days. Volume discount applied where appropriate and assumes payment within 45 days. Any applicable taxes not included. Please provide a copy of your tax exempt certificate or resale tax number when placing your order.

2) Unit price volume discount may apply if large quantities of EHC are involved. In case of Option 2, if all PRBs are installed, the unit price volume discount is \$1.70 /lb.

3) Shipping billed at actual cost plus 8%. Transportation quotes assume 5 to 7 day delivery time via truck, no lift gate, no pallet jack.

4) Field oversight is presented as a recommended option and not included in the total cost. The Adventus performance warranty (below) is predicated on our oversight to verify material emplacement conditions. If additional field oversight is desired, it can be provided on a time and expense basis.

5) General terms and conditions for product sales can be found at www.adventusgroup.com/pdfs/pricing/Product_Sales_Terms_General_Conditions_FEB2011.pdf

On behalf of Adventus, I thank you for your interest in our products and technologies. Please contact me by telephone at 905-273-7834 ext. 233 or by email at clement.schmitt@adventusgroup.com if you have any questions regarding this proposal.

Yours truly,

Adventus Americas Inc.

Via e-mail

Clement Schmitt, M.Sc.
Hydrogeologist

cc: Jim Mueller – Adventus
Andrzej Przepiora –Adventus

EHC[®] is a registered trademark of Adventus Intellectual Property Inc.

APPENDIX J

CALCULATIONS



MACTEC, Inc.
511 Congress Street
Portland, ME. 04101

JOB NO. _____ SHEET 1 OF 1
PHASE _____ TASK _____
JOB NAME Gent Uniform Appendix K
BY Nate Lewis DATE 9/29/11
CHECKED BY Ryan Becker DATE 10/6/11

Purpose: Estimate overall groundwater flow across the southern boundary of the Gent Uniform site into OU2.

Assumptions:

Effective porosity: 0.3

Groundwater velocity: 0.52 ft/d

References:

Gent Uniform Remedial Investigation (section 2.5 and figure 5.1)

Calculations:

Width of plume at southern site boundary = 150 ft

Depth of plume at southern site boundary = 25 ft bgs

Depth to groundwater at southern site boundary = 10 ft bgs

Thickness of plume = 25 ft bgs - 10 ft bgs = 15 ft

Total area = 150 ft · 15 ft = 2250 ft²

Effective porosity = 0.3

Effective area = 0.3 · 2250 ft² = 675 ft²

Groundwater velocity = 0.52 ft/d

Volume = (675 ft²) (0.52 ft/d) = 351 ft³/d

$$351 \frac{\text{ft}^3}{\text{d}} \cdot \frac{7.48 \text{ gal}}{\text{ft}^3} \cdot \frac{1 \text{ d}}{1440 \text{ min}} = 1.82 \text{ gpm}$$