
REMEDIAL INVESTIGATION AND INTERIM REMEDIAL MEASURE IMPLEMENTATION REPORT – VOLUME 2 OF 9

Former Drive & Park, Inc. Site
Brownfield Cleanup Program #C314111
28 IBM Road
Town of Poughkeepsie
Dutchess County, New York

Prepared for:

Avis Rent A Car System, Inc.
6 Sylvan Way
Parsippany, New Jersey 07054

April 2007

Project No. 9328.000



Geomatrix

APPENDIX A

**New York State
Brownfield Site Cleanup Agreement**

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

In the Matter of a Remedial Program for
Former Drive & Park, Inc. Site
Dutchess County, under Article 27,
Title 14 of the Environmental Conservation Law
by Participant
Avis Rent A Car System, Inc.

BROWNFIELD SITE
CLEANUP AGREEMENT

Index # W3-1011-04-07
Site # C314111

WHEREAS, the Brownfield Cleanup Program Act was enacted to encourage the voluntary remediation of brownfield sites for reuse and redevelopment so as to advance the policy of the State of New York to conserve, improve, and protect its natural resources and environment, and control water, land, and air pollution; and

WHEREAS, the Department of Environmental Conservation (the "Department") is authorized to administer the Brownfield Cleanup Program contained in Article 27, Title 14 of the Environmental Conservation Law ("ECL"); and

WHEREAS, by a certified application dated April 12, 2004, and additional certification dated July 19, 2004, Avis Rent A Car System, Inc. with an address at 6 Sylvan Way, Parsippany, New Jersey submitted a request to participate in the Brownfield Cleanup Program in the category of a "Volunteer" for property located at 28 IBM Road, City of Poughkeepsie, County of Dutchess, New York and identified on the Dutchess County Tax Map as Section 6060, Block 4, Lot 903139 (the Property and/or the "Site"); and

WHEREAS, Avis Rent A Car System, Inc. represents that it's limited involvement with the Site is as the current owner of the Site and a Franchisor at the time Drive & Park, Inc., it's Franchisee, operated the Site. Avis contends that it is, and/or was, not otherwise responsible for the environmental obligations of an Avis Franchisee; and

WHEREAS, the current use of the property is commercial, specifically an automobile rental service, and the intended use of the property is commercial; and

WHEREAS, an opportunity for public comment on Avis Rent A Car System, Inc.'s request to participate in the Brownfield Cleanup Program was provided and the Department did not receive any comments; and

WHEREAS, upon consideration of the factors enumerated in ECL 27-1407(8) and (9), the Department made a determination, based upon the information contained in the application and the certifications made by Avis Rent A Car System, Inc., as well as any public comment

received, that Avis Rent A Car System, Inc. is eligible to participate in the Brownfield Cleanup Program as a Participant as defined in ECL 27-1405(1)(a).

WHEREAS, While Avis disagrees with the Department's determination that it is a Participant as defined in ECL 27-1405(1)(a), it is nevertheless in the interest of administrative and judicial economy entering into this Agreement. However, the existence of this Agreement or Avis's compliance with it shall not be construed as an admission of any liability, fault, wrongdoing, or violation of law by it, and shall not give rise to any presumption of law or finding of fact which shall inure to the benefit of any third party.

NOW, THEREFORE, IN CONSIDERATION OF AND IN EXCHANGE FOR THE MUTUAL COVENANTS AND PROMISES, THE PARTIES AGREE TO THE FOLLOWING:

I. Citizen Participation Plan

Within twenty (20) Days after the effective date of this Agreement, Participant shall submit a written citizen participation plan prepared in accordance with the requirements of ECL 27-1417 that, at a minimum (i) updates the names and addresses of the interested public and includes a brownfield site contact list; (ii) identifies major issues of public concern related to the Site; (iii) includes a description of citizen participation activities already performed; and (iv) includes a description and schedule of public participation activities that are either specifically required by law or are needed to address public concerns related to the Site. The Citizen Participation Plan shall be attached to and incorporated into this Agreement as Exhibit "A."

II. Development, Performance, and Reporting of Work Plans

A. Work Plan Requirements

The work plans ("Work Plan" or "Work Plans") under this Agreement shall be prepared and implemented in accordance with the requirements of ECL Article 27, Title 14 and all applicable laws, rules, regulations, and guidance documents. The Work Plans shall be captioned as follows:

1. "Remedial Investigation Work Plan" if the Work Plan provides for the investigation of the nature and extent of contamination within the boundaries of the Site and emanating from such Site;
2. "Remedial Work Plan" if the Work Plan provides for the development and implementation of a Remedial Program for contamination within the boundaries of the Site and contamination that has migrated from such Site;
3. "IRM Work Plan" if the Work Plan provides for an interim remedial measure; or

4. "OM&M Work Plan" if the Work Plan provides for operation, maintenance, and/or monitoring.

B. Submission/Implementation of Work Plans

1. The first proposed Work Plan to be submitted under this Agreement shall be submitted within forty (40) Days after the effective date of this Agreement. Thereafter, the Participant can submit such other and additional work plans as it deems appropriate.

2. A proposed Work Plan shall be submitted for the Department's review and approval and shall include, at a minimum, a chronological description of the anticipated activities, a schedule for performance of those activities, and sufficient detail to allow the Department to evaluate that Work Plan. The Department shall use best efforts to approve, modify, or reject a proposed Work Plan within forty-five (45) Days from its receipt or within fifteen (15) Days from the close of the comment period, if applicable, whichever is later.

i) Upon the Department's written approval of a Work Plan, such Department-approved Work Plan shall be incorporated into and become an enforceable part of this Agreement as Exhibit "C" and shall be implemented in accordance with the schedule contained therein.

ii) If the Department modifies a Work Plan, the reasons for such modification shall be provided in writing. Within twenty (20) Days after receiving written notice of such modification, Participant shall elect in writing to (a) implement the Work Plan as modified; (b) implement any other Department-approved Work Plan(s); (c) invoke dispute resolution pursuant to Paragraph XIV; or (d) terminate this Agreement pursuant to Paragraph XIII.

iii) If the Department disapproves a Work Plan, the reasons for such disapproval shall be provided in writing. In the event the Department disapproves a Work Plan, within twenty (20) Days after receiving written notice of such disapproval, Participant shall elect in writing to (a) modify or expand it within thirty (30) Days of receipt of the written disapproval notice; (b) complete any other Department-approved Work Plan(s); (c) invoke dispute resolution pursuant to Paragraph XIV; or (d) terminate this Agreement pursuant to Subparagraph XIII.

3. An OM&M Work Plan, if necessary, shall be submitted in accordance with the schedule set forth in the IRM Work Plan or Remedial Work Plan.

4. During all field activities, Participant shall have on-Site a representative who is qualified to supervise the activities undertaken. Such representative may be an employee or a consultant retained by Participant to perform such supervision.

C. Revisions to Work Plans

If revisions to a Work Plan are required to satisfy the objectives of such Work Plan, the parties will negotiate revisions which shall be attached to and incorporated into the relevant Work Plan and which shall be enforceable under this Agreement. If the parties cannot agree upon revisions to the relevant Work Plan, then unless the Participant invokes dispute resolution pursuant to Paragraph XIV, either party may terminate this Agreement pursuant to Paragraph XIII.

D. Submission of Final Reports

1. In accordance with the schedule contained in a Work Plan, Participant shall submit a Final Report that shall include but not be limited to: all data generated relative to the Site and all other information obtained as part of the implementation of the subject Work Plan; all of the assessments and evaluations required by the subject Work Plan; a statement of any additional data that must be collected; and "as-built" drawings.

i) The Final Report for an Investigation Work Plan shall comply with the requirements set forth at ECL 27-1411(1) and shall contain a certification by the person with primary responsibility for the day to day performance of the activities under this Agreement that those activities were performed in full accordance with the Investigation Work Plan. If such Final Report concludes that no remediation is necessary, and the Site does not meet the requirements for Track 1, Participant shall submit an Alternatives Analysis prepared in accordance with ECL 27-1413 that supports such determination.

ii) A Final Engineering Report certifying that remediation of the Site has been performed in accordance with this Agreement shall be prepared by a Professional Engineer with primary responsibility for the day to day performance of the activities under this Agreement. The Report shall be prepared in accordance with the requirements of ECL 27-1419(1) and (2) and shall contain a certification that all such activities were performed in accordance with the Department approved Work Plan. The Department shall review such Report, the submittals made pursuant to the Agreement, and any other relevant information regarding the Site and make a determination as to whether the goals of the remedial program have been or will be achieved in accordance with established timeframes; if so, a written Certificate of Completion will be issued in accordance with the requirements of ECL 27-1419. Such Certificate of Completion may be modified or revoked, after notice and an opportunity for hearing, upon a finding that (a) Participant failed to comply with this Agreement; (b) Participant made a misrepresentation of material fact in connection with its Application or its certification that cleanup levels required by this Agreement were reached; or (c) good cause exists for such modification or revocation.

iii) All other Work Plan Final Reports shall contain a certification by a Professional Engineer with primary responsibility for the day to day performance of the activities

under this Agreement that all such activities were performed in full accordance with the Department approved Work Plan.

2. Within sixty (60) Days of the Department's approval of a Final Report, Participant shall submit such additional Work Plans as it proposes to implement. Failure to submit any additional Work Plans within such period shall, unless other Work Plans are under review by the Department or being implemented by Participant, result in the termination of this Agreement pursuant to Paragraph XIII.

E. Review of Submittals other than Work Plans

1. The Department shall timely notify Participant in writing of its approval or disapproval of each submittal other than a Work Plan. All Department-approved submittals shall be incorporated into and become an enforceable part of this Agreement.

2. If the Department disapproves a submittal covered by this Subparagraph, it shall specify the reasons for its disapproval and may request Participant to modify or expand the submittal. Within twenty (20) Days after receiving written notice that Participant's submittal has been disapproved, Participant shall elect in writing to either (i) modify or expand it within thirty (30) Days of receipt of the written notice of disapproval; (ii) complete any other Department-approved Work Plan(s); (iii) invoke dispute resolution pursuant to Paragraph XIV; or (iv) terminate this Agreement pursuant to Paragraph XIII. If Participant submits a revised submittal and it is disapproved, the Department and Participant may pursue whatever remedies may be available under this Agreement or under law.

F. Department's Determination of Need for Remediation

The Department shall determine upon its approval of each Final Report dealing with the investigation of the Site whether remediation, or additional remediation as the case may be, is needed for protection of public health and the environment.

1. If the Department makes a preliminary determination that remediation, or additional remediation, is not needed for protection of public health and the environment, the Department shall notify the public of such determination and seek public comment in accordance with ECL 27-1417(3)(e). The Department shall provide timely notification to the Participant of its final determination following the close of the public comment period.

2. If the Department determines that additional remediation is not needed and such determination is based upon use restrictions, Participant shall cause to be filed an Environmental Easement in accordance with Paragraph X within sixty (60) Days of receipt of the Department's determination.

3. If the Department determines that remediation, or additional remediation, is needed, Participant may elect to submit for review and approval a proposed Remedial Work Plan (or a revision to an existing Work Plan for the Site) for a remedy selected upon due consideration of the factors set forth in ECL 27-1415(3). A proposed Remedial Work Plan addressing the Site's remediation will be noticed for public comment in accordance with ECL 27-1417(3)(e) and the Citizen Participation Plan developed pursuant to Paragraph I of this Agreement. If the Department determines following the close of the public comment period that revisions are needed, Participant agrees to negotiate revisions to the proposed Remedial Work Plan in accordance with Paragraph II.C. If Participant elects not to develop a Work Plan under this Subparagraph or if either party concludes that a mutually acceptable Work Plan under this Subparagraph cannot be negotiated, then this Agreement shall terminate in accordance with Subparagraph XIII.

G. Submission of Annual Reports, if required

In the event that the remedy for the Site, if any, or any Work Plan for the Site requires operation, maintenance, and monitoring (OM&M), including reliance upon institutional or engineering controls, Participant shall file a report annually (unless a different frequency is specified in an approved Work Plan) on the 1st day of the month following the anniversary of the start of the OM&M and continuing until the Department notifies Participant in writing that such report may be discontinued. Such report shall be signed by a Professional Engineer or by an expert approved by the Department to perform that function and certified under penalty of perjury that the institutional and/or engineering controls are unchanged from the previous certification and that nothing has occurred that would impair the ability of such controls to protect public health and the environment or constitute a violation or failure to comply with the approved OM&M Plan. Participant shall notify the Department within twenty-four (24) hours of discovery of any upset, interruption, or termination of one or more controls without the prior approval of the Department. Further, Participant shall take all actions required by the Department to maintain conditions at the Site that achieve the objectives of the remedy and/or the Work Plan and are protective of public health and the environment. An explanation of such upset, interruption, or termination of one or more controls and the steps taken in response shall be included in the foregoing notice and in the report required by this Subparagraph as well as in any progress reports required by Paragraph XI. Participant can petition the Department for a determination that the institutional and/or engineering controls may be terminated. Such petition must be supported by a Professional Engineer or other expert approved by the Department stating that such controls are no longer necessary. The Department shall not unreasonably withhold its approval of such petition.

III. Enforcement

This Agreement shall be enforceable as a contractual agreement under the laws of the State of New York. Participant shall not suffer any penalty or be subject to any proceeding or action if it cannot comply with any requirement of this Agreement as a result of a Force Majeure

Event provided it notifies the Department in writing within ten (10) Days of when it obtains knowledge of any such event. Participant shall include in such notice the measures taken and to be taken to prevent or minimize any delays and shall request an appropriate extension or modification of this Agreement. Participant shall have the burden of proving by a preponderance of the evidence that an event qualifies as a Force Majeure Event pursuant to this Paragraph.

IV. Entry upon Site

A. Participant hereby agrees to provide access to the Site and to all relevant information regarding activities at the Site in accordance with the provisions of ECL 27-1431.

B. The Department shall have the right to periodically inspect the Site to ensure that the use of the property complies with the terms and conditions of this Agreement.

V. Payment of State Costs

A. Within forty-five (45) Days after the effective date of this Agreement, Participant shall pay to the Department the sum of \$9,928.84 which shall represent reimbursement for State Costs as set forth in the cost summary attached as Exhibit "D." Participant acknowledges that all past State Costs are not itemized on the cost summary and that additional charges may be billed at a later date for State Costs incurred prior to the effective date of this Agreement.

B. Within forty-five (45) Days after receipt of an itemized invoice from the Department, Participant shall pay to the Department a sum of money which shall represent reimbursement for State Costs for work performed at or in connection with the Site prior to the effective date of this Agreement, as well as for negotiating this Agreement, and all costs associated with this Agreement up to and including the date upon which the Certificate of Completion is issued, the Department approves the Final Report relative to OM&M, or this Agreement is terminated pursuant to Paragraph XIII, whichever is later.

C. Personal service costs shall be documented by reports of Direct Personal Service, which shall identify the employee name, title, biweekly salary, and time spent (in hours) on the project during the billing period, as identified by an assigned time and activity code. Approved agency fringe benefit and indirect cost rates shall be applied. Non-personal service costs shall be summarized by category of expense (e.g., supplies, materials, travel, contractual) and shall be documented by expenditure reports. The Department shall not be required to provide any other documentation of costs, provided however, that the Department's records shall be available consistent with, and in accordance with, Article 6 of the Public Officers Law.

D. Such invoice shall be sent to Participant at the following address:

Avis Rent A Car System, Inc.
6 Sylvan Way
Parsippany, New Jersey 07054
Attention: Rose Pelino

E. Each such payment shall be made payable to the Department of Environmental Conservation and shall be sent to:

Bureau of Program Management
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, Albany, NY 12233-7012

F. Each party shall provide written notification to the other within ninety (90) Days of any change in the foregoing addresses.

G. Participant may contest, in writing, invoiced costs under this Agreement if it believes (i) the cost documentation contains clerical, mathematical, or accounting errors; (ii) the costs are not related to the State's activities reimbursable under this Agreement; or (iii) the Department is not otherwise legally entitled to such costs. If Participant objects to an invoiced cost, Participant shall pay all costs not objected to within the time frame set forth in Subparagraphs V.A and V.B and shall, within thirty (30) Days of receipt of an invoice, identify in writing all costs objected to and identify the basis of the objection. This objection shall be filed with the Director of the Bureau of Program Management ("BPM Director") who shall have the authority to relieve Participant of the obligation to pay invalid costs. Within forty-five (45) Days of the Department's determination of the objection, Participant shall pay to the Department the amount which the BPM Director or the BPM Director's designee determines Participant is obligated to pay or commence an action or proceeding seeking appropriate judicial relief.

H. In the event any instrument for the payment of any money due under this Agreement fails of collection, such failure of collection shall constitute a violation of this Agreement, provided (i) the Department gives Participant written notice of such failure of collection, and (ii) the Department does not receive from Participant a certified check or bank check within fourteen (14) Days after the date of the Department's written notification.

I. In the event that an eligible party applies for a technical assistance grant in connection with the Site, Participant may be required to provide such a grant, in accordance with ECL 27-1417(4), in an amount not to exceed \$50,000, with the cost of such grant serving as an offset against State Costs payable pursuant to this Paragraph.

VI. Liability Limitation

Subsequent to the issuance of a Certificate of Completion pursuant to this Agreement, Participant shall be entitled to the Liability Limitation set forth at ECL 27-1421, subject to the terms and conditions stated therein. A Notice of the Liability Limitation shall be filed with the recording officer of the county in which the Site is located within thirty (30) Days of (i) the effective date of the Certificate of Completion or (ii) the date Participant acquires title to the Site, whichever is later.

VII. Reservation of Rights

A. Except as provided in Subparagraph VII.B, Participant reserves all rights and defenses under applicable law to contest, defend against, dispute, or disprove any action, proceeding, allegation, assertion, determination, or order of the Department, including any assertion of remedial liability by the Department against Participant, and further reserves all rights including the rights to notice, to be heard, to appeal, and to any other due process respecting any action or proceeding by the Department, including the enforcement of this Agreement. The existence of this Agreement or Participant's compliance with it shall not be construed as an admission of any liability, fault, wrongdoing, or violation of law by Participant, and shall not give rise to any presumption of law or finding of fact which shall inure to the benefit of any third party.

B. Notwithstanding the foregoing, Participant hereby waives any right it may have to make a claim pursuant to Article 12 of the Navigation Law with respect to the Site and releases the State and the New York Environmental Protection and Spill Compensation Fund from any and all legal or equitable claims, suits, causes of action, or demands whatsoever with respect to the Site that Participant may have as a result of Participant's entering into or fulfilling the terms of this Agreement.

VIII. Indemnification

Participant shall indemnify and hold the Department, the State of New York, and their representatives and employees harmless from any claim, suit, action, and cost of every name and description arising out of or resulting from the fulfillment or attempted fulfillment of this Agreement by Participant prior to the Termination Date except for those claims, suits, actions, and costs arising from the State's gross negligence or willful or intentional misconduct by the Department, the State of New York, and/or their representatives and employees during the course of any activities conducted pursuant to this Agreement. The Department shall provide Participant with written notice no less than thirty (30) Days prior to commencing a lawsuit seeking indemnification pursuant to this Paragraph.

IX. Change of Use

Participant shall notify the Department at least sixty (60) Days in advance of any change of use, as defined in ECL 27-1425, which is proposed for the Site. In the event the Department determines that the proposed change of use is prohibited, the Department shall notify Participant of such determination within forty-five (45) Days of receipt of such notice.

X. Environmental Easement

A. Within thirty (30) Days after the Department's approval of a Remedial Work Plan which relies upon one or more institutional and/or engineering controls, or within thirty (30) Days after the Department's determination pursuant to Subparagraph II.F.2 that additional remediation is not needed based upon use restrictions, Participant shall submit to the Department for approval an Environmental Easement to run with the land in favor of the State which complies with the requirements of ECL Article 71, Title 36. The submittal shall be substantially similar to Exhibit "B." Participant shall cause such instrument to be recorded with the recording officer for the county in which the Site is located within thirty (30) Days after the Department's approval of such instrument. Participant shall provide the Department with a copy of such instrument certified by the recording officer to be a true and faithful copy within thirty (30) Days of such recording (or such longer period of time as may be required to obtain a certified copy provided Participant advises the Department of the status of its efforts to obtain same within such thirty (30) Day period).

B. Participant or the owner of the Site may petition the Department to modify or extinguish the Environmental Easement filed pursuant to this Agreement at such time as it can certify that the Site is protective of human health and the environment without reliance upon the restrictions set forth in such instrument. Such certification shall be made by a Professional Engineer or other expert approved by the Department. The Department will not unreasonably withhold its consent.

XI. Progress Reports

Participant shall submit a written progress report of its actions under this Agreement to the parties identified in Subparagraph XII.A.1 by the 10th Day of each month commencing with the month subsequent to the approval of the first Work Plan and ending with the Termination Date, unless a different frequency is set forth in a Work Plan. Such reports shall, at a minimum, include: all actions relative to the Site during the previous reporting period and those anticipated for the next reporting period; all approved activity modifications (changes of work scope and/or schedule); all results of sampling and tests and all other data received or generated by or on behalf of Participant in connection with this Site, whether under this Agreement or otherwise, in the previous reporting period, including quality assurance/quality control information; information regarding percentage of completion; unresolved delays encountered or anticipated that may affect the future schedule and efforts made to mitigate such delays; and information regarding activities undertaken in support of the Citizen Participation Plan during the previous reporting period and those anticipated for the next reporting period.

XII. Communications

A. All written communications required by this Agreement shall be transmitted by United States Postal Service, by private courier service, or hand delivered.

1. Communication from Participant shall be sent to:

Ramarand Pergadia
Division of Environmental Remediation
New York State Department of Environmental Conservation
21 South Putt Corners Road
New Paltz, NY 12561-1696

Note: three copies (one unbound) of work plans are required to be sent.

Gary Litwin
Bureau of Environmental Exposure Investigation
New York State Department of Health
Flanigan Square
547 River Street
Troy, New York 12180-2216

Note: two copies of work plans are required to be sent, and

Alali M. Tamuno
Division of Environmental Enforcement
200 White Plains Road, 5th Floor
Albany, New York 10591

Correspondence only

2. Communication from the Department to Participant shall be sent to:

Avis Rent A Car Systems, Inc.
6 Sylvan Way
Parsippany, New Jersey 07054
Attention: Rose Pelino

Jon Brooks, Esq.
Phillips Nizer
600 Old Country Road, Suite 241
Garden City, New York 11530

B. The Department and Participant reserve the right to designate additional or different addressees for communication on written notice to the other.

C. Each party shall notify the other within ninety (90) Days after any change in the addresses listed in this Paragraph XII or in Paragraph V.

XIII. Termination of Agreement

Participant may terminate this Agreement at any time by providing written notification to the parties listed in Subparagraph XII.A.1. The Department may terminate this Agreement at any time pursuant to Subparagraph XV.A or in the event Participant fails to substantially comply with the Agreement's terms and conditions. The Department shall provide written notification to Participant setting forth the basis for termination of the Agreement. The termination shall be effective the 5th day after the non-terminating party's receipt of such written notification, except that such termination shall not affect the provisions contained in Paragraphs V, VII.B, and VIII.

XIV. Dispute Resolution

A. In the event disputes arise regarding any notice of disapproval of a submittal, proposed Work Plan or Final Report, or during the implementation of any Work Plan, Participant may, within thirty (30) Days of receipt of such notice, request in writing informal negotiations with the Department in an effort to resolve the dispute. The Department and Participant shall consult together in good faith and exercise best efforts to resolve any differences or disputes without resort to the procedures described in Subparagraph XIV.B. The period for informal negotiations shall not exceed thirty (30) Days from Participant's request for informal negotiations. If the parties cannot resolve a dispute by informal negotiations during this period, the Department's position shall be considered binding unless Participant notifies the Department in writing within thirty (30) Days after the conclusion of the thirty (30) Day period for informal negotiations that it invokes the dispute resolution provisions provided under Subparagraph XIV.B.

B. 1. Participant shall file with the Office of Hearings and Mediation ("OH&M") a request for formal dispute resolution and a written statement of the issues in dispute, the relevant facts upon which the dispute is based, factual data, analysis, or opinion supporting its position, and all supporting documentation upon which Participant relies (hereinafter called the "Statement of Position"). A copy of such request and written statement shall be provided contemporaneously to the Director of the Division of Environmental Remediation ("DER Director") and to the parties listed under Subparagraph XII.A.1.

2. The Department shall serve its Statement of Position no later than twenty (20) Days after receipt of Participant's Statement of Position.

3. Participant shall have the burden of proving by substantial evidence that the Department's position does not have a rational basis and should not prevail. The OH&M can conduct meetings, in person or via telephone conferences, and request additional information from either party if such activities will facilitate a resolution of the issues.

4. The OH&M shall prepare and submit a report and recommendation to the DER Director who shall issue a final decision resolving the dispute in a timely manner. The final decision shall constitute a final agency action and Participant shall have the right to seek judicial review of the decision pursuant to Article 78 of the CPLR provided that Participant notifies the Department within thirty (30) Days after receipt of a copy of the final decision of its intent to commence an Article 78 proceeding and commences such proceeding within sixty (60) Days after receipt of a copy of the Director's final decision. Participant shall be in violation of this Agreement if it fails to comply with the final decision resolving this dispute within sixty (60) Days after the date of such final decision, or such other time period as may be provided in the final decision, unless it seeks judicial review of such decision within the sixty (60) Day period provided. In the event that Participant seeks judicial review, Participant shall be in violation of this Agreement if it fails to comply with the final Court Order or settlement within thirty (30) Days after the effective date of such Order or settlement, unless otherwise directed by the Court. For purposes of this Subparagraph, a Court Order or settlement shall not be final until the time to perfect an appeal of same has expired.

5. The invocation of dispute resolution shall not extend, postpone, or modify Participant's obligations under this Agreement with respect to any item not in dispute unless or until the Department agrees or a Court determines otherwise. The invocation of the procedures set forth in this Paragraph XIV shall constitute a waiver of any and all other administrative remedies which may otherwise be available to Participant regarding the issue in dispute.

6. The Department shall keep an administrative record of any proceedings under this Paragraph XIV which shall be available consistent with Article 6 of the Public Officers Law.

7. Nothing in this Paragraph XIV shall be construed as an agreement by the parties to resolve disputes through administrative proceedings pursuant to the State Administrative Procedure Act, the ECL, or 6 NYCRR Part 622 or Section 375-2.1.

XV. Miscellaneous

A. If the information provided and any certifications made by Participant are not materially accurate and complete, this Agreement, except with respect to Participant's obligations pursuant to Paragraphs V, VII.B and VIII, shall be null and void *ab initio* fifteen (15) Days after the Department's notification of such inaccuracy or incompleteness or fifteen (15) Days after issuance of a final decision resolving a dispute pursuant to Paragraph XIV, whichever is later, unless Participant submits information within that fifteen (15) Day time period indicating that the information provided and the certifications made were materially accurate and complete. In the event this Agreement is rendered null and void, any Certificate of Completion and/or Liability Limitation that may have been issued or may have arisen under this Agreement shall also be null and void *ab initio*, and the Department shall reserve all rights that it may have under law.

B. Participant shall allow the Department to attend, and shall notify the Department at least seven (7) Days in advance of, any field activities to be conducted pursuant to this Agreement, as well as any pre-bid meetings, job progress meetings, substantial completion meeting and inspection, and final inspection and meeting; nothing in this Agreement shall be construed to require Participant to allow the Department to attend portions of meetings where privileged matters are discussed.

C. The Department may exempt Participant from the requirement to obtain any state or local permit or other authorization for any activity conducted pursuant to this Agreement that (i) is conducted on the Site or on different premises that are under common control or contiguous to or physically connected with the Site and such activity manages exclusively hazardous waste and/or petroleum from such Site, and (ii) satisfies all substantive technical requirements applicable to like activity conducted pursuant to a permit, as determined by the Department.

D. Participant shall use "best efforts" to obtain all Site access, permits, easements, rights-of-way, rights-of-entry, approvals, institutional controls, or authorizations necessary to perform Participant's obligations under this Agreement. If, despite Participant's best efforts, any access, permits, easements, rights-of-way, rights-of-entry, approvals, institutional controls, or authorizations required to perform this Agreement are not obtained, Participant shall promptly notify the Department, and include a summary of the steps taken to obtain access. The Department may, as it deems appropriate and within its authority, assist Participant in obtaining same. If an interest in property is needed to implement an institutional control required by a Work Plan and such interest cannot be obtained, the Department may require Participant to modify the Work Plan pursuant to Subparagraph II.C of this Agreement to reflect changes necessitated by the lack of access and/or approvals.

E. All approved Work Plans, Final Reports, and other documents required under this Agreement shall be submitted to the Department in an electronic format acceptable to the Department within thirty (30) Days of approval. If any document cannot be converted into electronic format, Participant shall so advise the Department and, if the Department concurs, submit such document in an alternative format acceptable to the Department.

F. Participant shall provide a copy of this Agreement to each contractor hired to perform work required by this Agreement and shall condition all contracts entered into for the obligations identified in this Agreement upon performance in conformity with the terms of this Agreement. Participant or its contractor(s) shall provide written notice of this Agreement to all subcontractors hired to perform any portion of the work required by this Agreement. Participant shall nonetheless be responsible for ensuring that Participant's contractors and subcontractors perform the work in satisfaction of the requirements of this Agreement.

G. The paragraph headings set forth in this Agreement are included for convenience of reference only and shall be disregarded in the construction and interpretation of any provisions of this Agreement.

H. 1. The terms of this Agreement shall constitute the complete and entire agreement between the Department and Participant concerning the implementation of the

activities required by this Agreement. No term, condition, understanding, or agreement purporting to modify or vary any term of this Agreement shall be binding unless made in writing and subscribed by the party to be bound. No informal advice, guidance, suggestion, or comment by the Department shall be construed as relieving Participant of Participant's obligation to obtain such formal approvals as may be required by this Agreement. In the event of a conflict between the terms of this Agreement and any Work Plan submitted pursuant to this Agreement, the terms of this Agreement shall control over the terms of the Work Plan(s) attached as Exhibit "C." Participant consents to and agrees not to contest the authority and jurisdiction of the Department to enter into or enforce this Agreement.

2. i. Except as set forth herein, if Participant desires that any provision of this Agreement be changed, other than a provision of a Work Plan or a time frame, Participant shall make timely written application to the Commissioner with copies to the parties listed in Subparagraph XII.A.1.

ii. Changes to the Work Plan shall be accomplished as set forth in Subparagraph II.C of this Agreement.

iii. Requests for a change to a time frame set forth in this Agreement shall be made in writing to the Department's project attorney and project manager; such requests shall not be unreasonably denied and a written response to such requests shall be sent to Participant promptly.

I. 1. If there are multiple parties signing this Agreement, the term "Participant" shall be read in the plural, the obligations of each such party under this Agreement are joint and several, and the insolvency of or failure by any Participant to implement any obligations under this Agreement shall not affect the obligations of the remaining Participant(s) under this Agreement.

2. If Participant is a partnership, the obligations of all general partners (including limited partners who act as general partners) under this Agreement are joint and several and the insolvency or failure of any general partner to implement any obligations under this Agreement shall not affect the obligations of the remaining partner(s) under this Agreement.

3. Notwithstanding the foregoing Subparagraphs XV.I.1 and 2, if multiple parties sign this Agreement as Participants but not all of the signing parties elect to implement a Work Plan, all Participants are jointly and severally liable for each and every obligation under this Agreement through the completion of activities in such Work Plan that all such parties consented to; thereafter, only those Participants electing to perform additional work shall be jointly and severally liable under this Agreement for the obligations and activities under such additional Work Plan(s). The parties electing not to implement the additional Work Plan(s) shall have no obligations under this Agreement relative to the activities set forth in such Work Plan(s). Further, only those Participants electing to implement such additional Work Plan(s) shall be eligible to receive the Liability Limitation referenced in Paragraph VI.

J. Participant shall be entitled to contribution protection to the extent authorized by ECL 27-1421(6).

K. Participant shall not be considered an operator of the Site solely by virtue of having executed and/or implemented this Agreement.

L. Participant and Participant's agents, grantees, lessees, sublessees, successors, and assigns shall be bound by this Agreement. Any change in ownership of Participant including, but not limited to, any transfer of assets or real or personal property, shall in no way alter Participant's responsibilities under this Agreement.

M. Unless otherwise expressly provided herein, terms used in this Agreement which are defined in ECL Article 27 or in regulations promulgated thereunder shall have the meaning assigned to them under said statute or regulations. Whenever terms listed in the Glossary attached hereto are used in this Agreement or its Exhibits, the definitions set forth in the Glossary shall apply. In the event of a conflict, the definition set forth in the Glossary shall control.

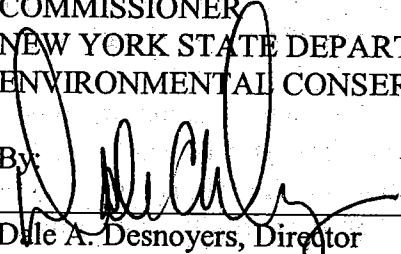
N. Participant's obligations under this Agreement represent payment for or reimbursement of response costs, and shall not be deemed to constitute any type of fine or penalty.

O. This Agreement may be executed for the convenience of the parties hereto, individually or in combination, in one or more counterparts, each of which shall be deemed to have the status of an executed original and all of which shall together constitute one and the same.

P. The effective date of this Agreement is the date it is signed by the Commissioner or the Commissioner's designee.

DATED: JUL - 6 2005

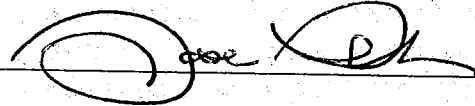
DENISE M. SHEEHAN, ACTING
COMMISSIONER
NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

By: 
Dile A. Desnoyers, Director
Division of Environmental Remediation

CONSENT BY PARTICIPANT

Participant hereby consents to the issuing and entering of this Agreement, waives Participant's right to a hearing herein as provided by law, and agrees to be bound by this Agreement.

Avis Rent A Car System, Inc.

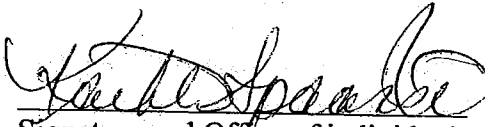
By: 

Title: DIRECTOR ENVIRONMENTAL AFFAIRS

Date: 6/8/05

New Jersey
STATE OF NEW YORK)
) ss:
COUNTY OF MORRIS)

On the 8 day of June, in the year 2005, before me, the undersigned, personally appeared Rose Pelino, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.


Signature and Office of individual
taking acknowledgment

Kathleen Spaanstra
Notary Public, State of New Jersey
Commission Expires June 24, 2007

Glossary of Terms

The following terms shall have the following meanings:

“Day”: a calendar day. In computing any period of time under this Agreement, if the last day would fall on a Saturday, Sunday, or State holiday, the period shall run until the close of business of the next working day.

“Force Majeure Event”: an event which is brought on as a result of fire, lightning, earthquake, flood, adverse weather conditions, strike, shortages of labor and materials, war, riot, obstruction or interference by adjoining landowners, or any other fact or circumstance beyond Volunteer’s reasonable control.

“IRM”: an interim remedial measure which is a discrete set of activities which can be undertaken without extensive investigation and evaluation to prevent, mitigate, or remedy environmental damage or the consequences of environmental damage attributable to a Site.

“OM&M”: operation, maintenance, and monitoring.

“Professional engineer”: an individual registered as a professional engineer in accordance with Article 145 of the New York State Education Law. If such individual is a member of a firm, that firm must be authorized to offer professional engineering services in the State of New York in accordance with Article 145 of the New York State Education Law.

“State Costs”: all the State’s expenses including, but not limited to, direct labor, fringe benefits, indirect costs, travel, analytical costs, and contractor costs incurred by the State of New York for negotiating, implementing, and administering this Agreement. Approved agency fringe benefit and indirect cost rates will be applied.

“Termination Date”: the date upon which (i) the Department issues the Certificate of Completion or approves the Final Report relative to the OM&M at the Site, whichever is later, or (ii) the Agreement terminates pursuant to Paragraph XIII or Subparagraph XV.A.

“Work Plan”: a Department-approved work plan, as may be modified, that Volunteer shall implement and that is attached to this Agreement.

EXHIBIT "A"

Citizen Participation Plan

EXHIBIT "B"

ENVIRONMENTAL EASEMENT

THIS INDENTURE made this ____ day of _____, 200 __, between Owner(s) _____ residing at (or having an office at) _____, (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("brownfield sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of environmental easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and of ensuring the potential restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that environmental easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a brownfield site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and;

WHEREAS, Grantor, is the owner of real property located in the City/Town/Village of _____, _____ County, New York known and designated on the tax map of the _____ of _____ as tax map parcel number _____, section ____ block ____ lot _____, being the same as that property conveyed to Grantor by deed on _____, and recorded in the Land Records of the _____ County Clerk at page _____, liber _____ of Deeds, comprised of approximately _____ acres, and hereinafter more fully described in Schedule A attached hereto and made a part hereof (the " Controlled Property"); and;

Attach an adequate legal description of the property subject to the easement, or reference a recorded map. If the easement is on only a part of a parcel of land which is not subdivided into encumbered and unencumbered portions, a legal description needs to be created by a survey bearing the seal and signature of a licensed land surveyor with reference to a metes and bounds description.

WHEREAS, the Commissioner does hereby acknowledge that the Department accepts this Environmental Easement in order to ensure the protection of human health and the environment and to achieve the requirements for remediation established at this Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the covenants and mutual promises contained herein and the terms and conditions of **Brownfield Cleanup Agreement Number _____/State Assistance Contract Number _____/Order on Consent Number _____**, Grantor grants, conveys and releases to Grantee a permanent Environmental Easement pursuant to Article 71, Title 36 of the ECL in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the potential restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The following controls apply to the use of the Controlled Property, run with the land are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees, and any person using the Controlled Property:

A. The Controlled Property may be used for

residential
commercial
industrial

use as long as the following long-term engineering controls are employed:

B. The Controlled Property may not be used for a higher level of use such as unrestricted/ residential / commercial use and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an environmental easement held by the New York State Department of Environmental Conservation pursuant of Title 36 to Article 71 of the Environmental Conservation Law.

D. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

E. Grantor covenants and agrees that it shall annually, or such time as NYSDEC may allow, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury that the controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls employed at the Controlled Property were approved by the NYSDEC, and that nothing has occurred that would impair the ability of such control to protect the public health and environment or constitute a violation or failure to comply with any Site Management Plan for such controls and giving access to such Controlled Property to evaluate continued maintenance of such controls.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Controlled Property, including:

1. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

2. The right to give, sell, assign, or otherwise transfer the underlying fee interest to the Controlled Property by operation of law, by deed, or by indenture, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This environmental easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this environmental easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person intentionally violates this environmental easement, the Grantee may revoke the Certificate of Completion provided under ECL Article 27, Title 14, or the Satisfactory Completion of Project provided under ECL Article 56, Title 5 with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach. Grantor shall then have a reasonable amount of time from receipt of such notice to cure. At the expiration of said second period, Grantee may commence any proceedings and take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement in accordance with applicable law to require compliance with the terms of this Environmental Easement.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar its enforcement rights in the event of a subsequent breach of or noncompliance with any of the terms of this Environmental easement.

6. Notice. Whenever notice to the State (other than the annual certification) or approval from the State is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing its County tax map number or the Liber and Page or computerized system tracking/ identification number and address correspondence to:

Division of Environmental Enforcement
Office of General Counsel
New York State Department of Environmental Conservation
625 Broadway
Albany New York 12233-5500

Such correspondence shall be delivered by hand, or by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. This environmental easement may be amended only by an amendment executed by the Commissioner of the New York State Department of Environmental Conservation and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This environmental easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Grantor's Name

By: _____

Title: _____

Date: _____

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF)

On the _____ day of _____, in the year 200_, before me, the undersigned, personally appeared _____, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Notary Public - State of New York

**THIS ENVIRONMENTAL EASEMENT IS HEREBY
ACCEPTED BY THE PEOPLE OF THE STATE OF
NEW YORK, Acting By and Through the Department of
Environmental Conservation**

By: _____
Denise M. Sheehan, Acting Commissioner

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF)

On the _____ day of _____, in the year 200_, before me, the undersigned, personally appeared _____, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

Notary Public - State of New York

EXHIBIT "C"

Approved Work Plans

EXHIBIT "D"

Cost Summary

APPENDIX B

Geotechnical Soil Report

Soil Report

Former Drive & Park, Inc. Site
Brownfield Cleanup Program #C314111
28 IBM Road
Town of Poughkeepsie
Dutchess County, New York

Prepared for:

Avis Rent A Car System, Inc.
6 Sylvan Way
Parsippany, New Jersey 07054

Prepared by:

Geomatrix Consultants, Inc.
90B John Muir Drive, Suite 104
Amherst, New York 14228-1148
(716) 565-0624

December 2005

Project No. 9328.000

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| 3.0 GEOTECHNICAL PARAMETERS | 1 |
| 4.0 RECOMMENDATIONS | 1 |

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| Figure 2 | Excavation Plan |

APPENDIXES

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| Appendix A | Boring Logs |
| Appendix B | Geological Cross-sections |
| Appendix C | Geotechnical Laboratory Data |
| Appendix D | Soil Parameters for Shoring Design and Pressure Distribution |

SOIL REPORT
Former Drive & Park, Inc. Site
28 IBM Road
Poughkeepsie, New York

1.0 INTRODUCTION

A soil excavation is proposed at the referenced Site for the removal of petroleum hydrocarbons affected soil. This document comprises the Soils Report for the proposed excavation. The purpose of this document is to provide parameters for the design of the temporary shoring that will be used to support the excavation, and provide recommendations on how the shoring shall be constructed and the excavation backfilled.

2.0 SITE CONDITIONS

The proposed excavation will be approximately 22,400 ft² in area and a maximum depth of 13 feet. However, the shoring will be required in area of 80 feet x 80 feet in the north part of the excavation. Construction shall take place in an asphalted area adjacent to a single story building. The site is approximately level.

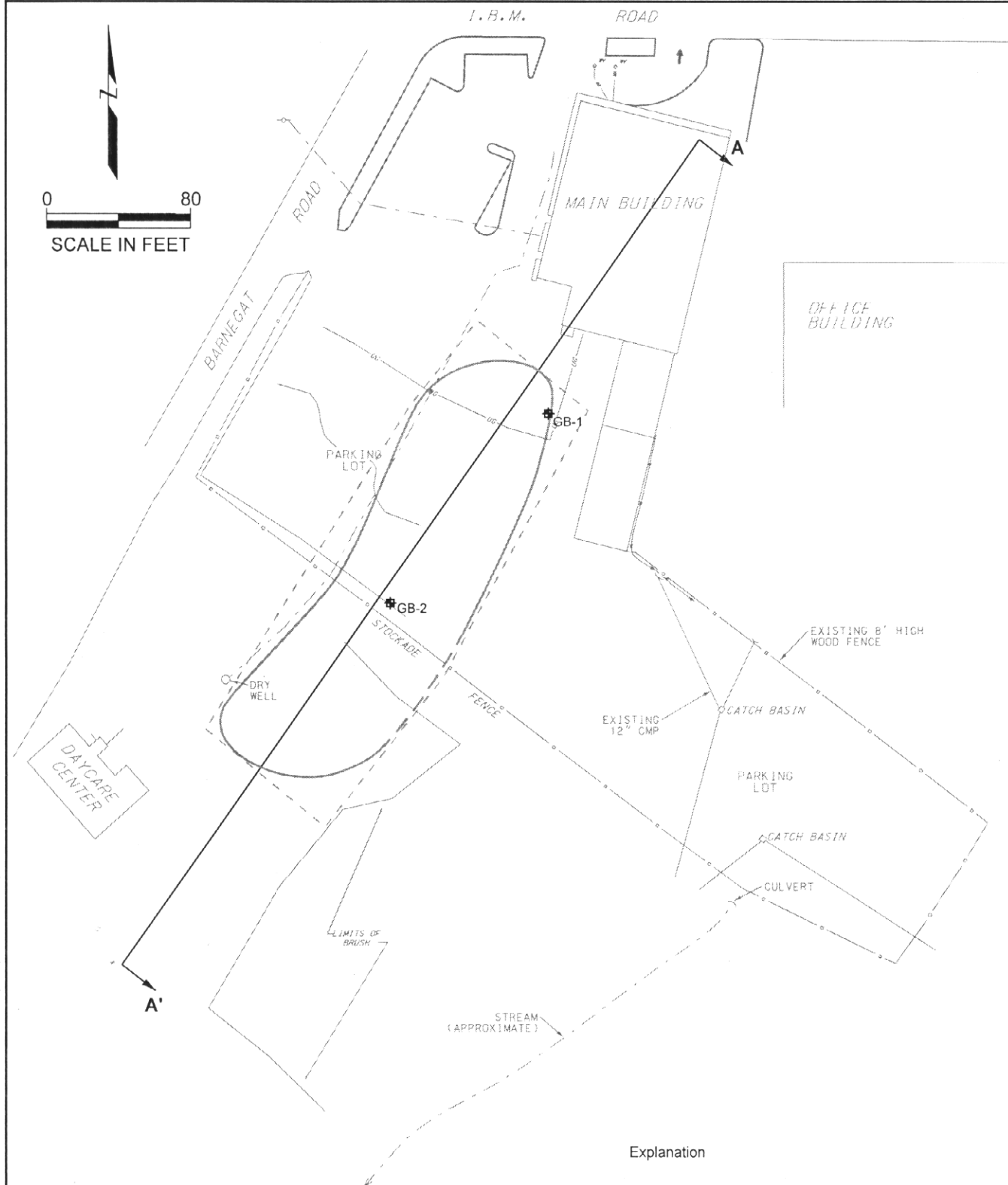
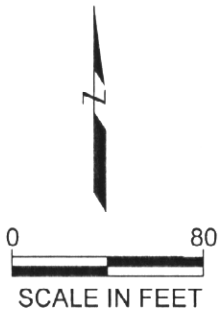
3.0 GEOTECHNICAL PARAMETERS







To determine the geotechnical parameters, two geotechnical soil boring were conducted within the excavation area (GB-1 and GB-2). The locations of the boring are shown in Figure 1 and the boring logs and geological cross-section are attached as Appendix A and B, respectively. Based on the field parameter and geotechnical laboratory report (Appendix C) soil parameters for shoring design are presented in the Appendix D.

4.0 RECOMMENDATIONS

1. A visual building survey be completed prior to the start of construction on the adjacent buildings. Photographic records of the pre-construction state of each building should be taken.
2. No surcharge of any kind shall be stored above the temporary shored excavation.
3. Backfill shall be moisture conditioned to + 2 percent of the optimum moisture content prior to placement.

4. The excavation shall be backfilled in loose lifts no greater than 12 inches thick. Each lift shall be compacted to a minimum of 90 percent relative compaction. The top 4 feet shall be compacted to a minimum of 95 percent relative compactions.
5. Shoring shall be removed once the excavation is backfilled to within a maximum depth of 5 feet below ground surface.



- Explanation
-  Geotechnical boring location (October 2005)
 -  Subsurface utility line
 -  Potential conduit
 -  Extent of residual product in soil
 -  Estimated area of excavation
 -  Cross section location (Appendix B)

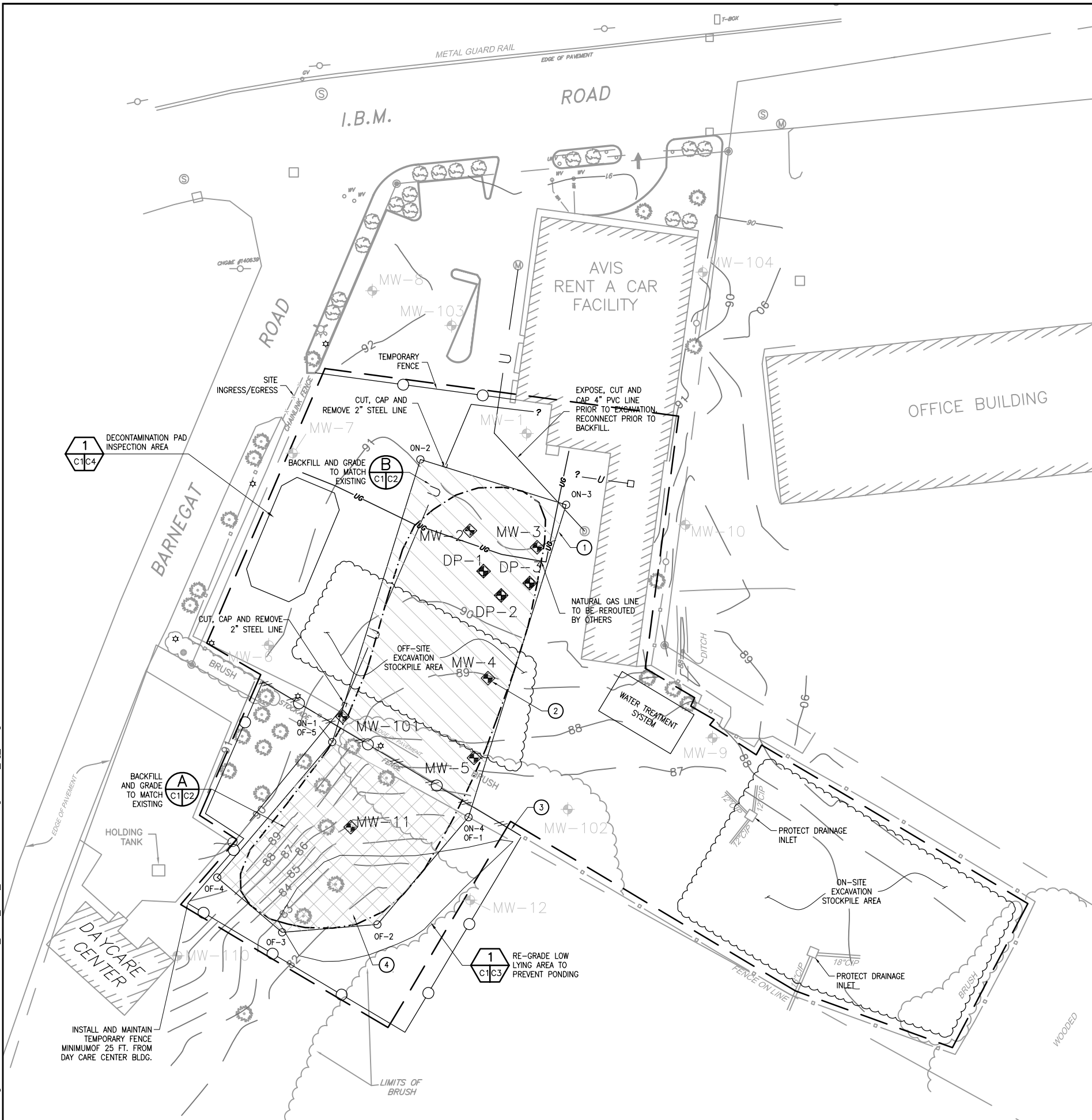
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SITE PLAN - SOILS REPORT
 Former Drive & Park, Inc. Site
 28 IBM Road
 Poughkeepsie, New York

| |
|-------------------------|
| Project No. 9328.000 |
| Figure 1 |

Plot Date: 03/01/07 - 10:39am. Plotted by: doshea
 Drawing Path: S:\030019328\000\laak_1305_1101_IRM\FIGS\ Drawing Name: fig_2.dwg



| EXCAVATION LIMITS | | |
|-------------------|------------|-----------|
| CONTROL POINT | NORTHING | EASTING |
| ON-1/OF-5 | 1026504.68 | 646721.02 |
| ON-2 | 1026658.01 | 646768.80 |
| ON-3 | 1026633.30 | 646847.83 |
| ON-4/OF-1 | 1026463.93 | 646794.93 |
| OF-2 | 1026405.72 | 646745.51 |
| OF-3 | 1026401.44 | 646693.85 |
| OF-4 | 1026431.23 | 646658.68 |

LEGEND

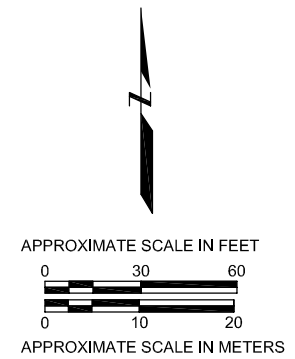
- APPROXIMATE KNOWN EXTENT OF SEPARATE-PHASE RESIDUAL PETROLEUM
- APPROXIMATE EXTENT OF ON-SITE EXCAVATION. (EXCAVATE TO 9'-13' BGS, BASED ON CONDITIONS OBSERVED BY ENGINEER)
- APPROXIMATE EXTENT OF OFF-SITE EXCAVATION. (EXCAVATE TO 3' TO 7' BGS, BASED ON CONDITIONS OBSERVED BY ENGINEER)
- SURVEY CONTROL POINT
- MONITORING WELL TO BE DEMOLISHED DURING EXCAVATION
- TEMPORARY 6' TALL CHAIN LINK FENCE
- FENCE (REMOVED AND REPLACED)
- STOCKPILE AREAS

KEY NOTES

- 1 ON-SITE EXCAVATION TO BE PARTIALLY SHORED. SHORING DESIGNED BY OTHERS, AND SUPPLIED AND INSTALLED BY CONTRACTOR. SEE EXCAVATION PROTECTION PLAN FOR SHORING EXTENT, TYPE, AND INSTALLATION DETAILS.
- 2 MONITORING WELLS ARE 4-INCH DIAMETER AND ARE AVAILABLE TO CONTRACTOR DEWATERING OPERATIONS. WHEN ENCOUNTERING A MONITORING WELL DURING EXCAVATION, CONTRACTOR IS TO CUT MONITORING WELL TO MATCH THE BOTTOM OF THE EXCAVATION, AND FILL REMAINING DEPTH OF WELL WITH GROUT. GROUT SHALL CONSIST OF TYPE 1 PORTLAND CEMENT WITH FOUR PERCENT BENTONITE BY WEIGHT.
- 3 REMOVE FENCE PRIOR TO EXCAVATION, REPLACE AFTER COMPLETING OFF-SITE EXCAVATION. CONTRACTOR SHALL REPLACE REMOVED FENCE WITH A NEW 8-FOOT STEEL CHAIN LINK FENCE EQUIPPED WITH PLASTIC SLATS.
- 4 OFF-SITE EXCAVATION WILL BE RE-VEGETATED BY OTHERS AT A LATER DATE. CONTRACTOR TO PLACE TEMPORARY EROSION CONTROL MATERIALS ON SURFACE OF EXPOSED TOPSOIL AFTER BACKFILLING AS SHOWN ON SHEET C3.

NOTES

1. THE WORK SHALL BE CONDUCTED IN TWO PHASES. THE OFF-SITE EXCAVATION SHALL TAKE PLACE FIRST. ON-SITE EXCAVATION ACTIVITIES MAY BE PERFORMED CONCURRENTLY WITH OFF-SITE EXCAVATION ACTIVITIES, AS LONG AS ON-SITE EXCAVATION ACTIVITIES DO NOT IMPEDE THE PROGRESS OF THE OFF-SITE EXCAVATION.
2. CONTRACTOR SHALL CLEAR AND GRUB EXCAVATION EXTENT IN ACCORDANCE TO STATE AND LOCAL REGULATIONS AND SPECIFICATIONS. ALL TREES WITHIN THE EXCAVATION EXTENT AND OFF-SITE GRADING AREA WILL BE REMOVED PRIOR TO EXCAVATION. THE CONTRACTOR SHALL AVOID, AS FAR AS PRACTICAL, DAMAGE TO SHRUBBERY, PLANTS, GRASSES, AND OTHER VEGETATION OUTSIDE OF THE LIMITS OF WORK.
3. DEWATERING, TREATMENT, AND DISCHARGE TO SANITARY SEWER TO BE PERFORMED BY CONTRACTOR. SEE THE SPECIFICATIONS FOR EFFLUENT FLOWRATE AND CHEMICAL CONCENTRATION LIMITS.
4. CONTRACTOR MAY PLACE TREATMENT SYSTEM EQUIPMENT INSIDE BUILDING UPON APPROVAL BY ENGINEER.
5. STOCKPILE LOCATIONS, SITE EGRESS/INGRESS, LOADING ZONE, ETC., ARE APPROXIMATE AND SUBJECT TO CHANGE BASED ON FIELD CONDITIONS AND FACILITY REQUIREMENTS
6. EXCAVATED SOIL SHALL BE STOCKPILED ON-SITE ONLY AS LONG AS NECESSARY TO PROFILE THE SOIL BEFORE OFFHAUL
7. AT THE END OF EACH SHIFT, ALL STOCKPILES SHALL BE COVERED WITH A WEIGHTED POLYETHYLENE LINER PER THE SPECIFICATIONS TO MINIMIZE DUST OR VAPORS FROM THE STOCKPILE.
8. IN ADDITION TO WHAT IS SHOWN ON THE DRAWINGS, CONTRACTOR SHALL INSTALL FENCING, WALKWAYS, TRAFFIC CONTROLS, AND OTHER MEASURES AS NECESSARY TO PROTECT PEDESTRIAN AND VEHICULAR TRAFFIC IN THE VICINITY OF THE SITE.
9. THE OFF-SITE EXCAVATION WORK WILL BE TAKING PLACE AT AN ACTIVE CHILD DAYCARE FACILITY. CONTRACTOR IS TO MAINTAIN TEMPORARY FENCES AND OTHER SITE CONTROL MEASURES TO ENSURE THE SAFETY OF DAYCARE CENTER PERSONNEL AND OCCUPANTS.



EXCAVATION PLAN
 Interim Remedial Measure
 Former Drive and Park, Inc. Site
 Poughkeepsie, New York

| | | |
|---------|----------------|----------------------|
| By: JDG | Date: 03/01/07 | Project No. 9328.000 |
|---------|----------------|----------------------|

Geomatrix

Figure 2

APPENDIX A

Boring Logs

| | | | |
|---|----------------------|--|------------------------------------|
| PROJECT: FORMER DRIVE & PARK, INC. SITE Poughkeepsie, New York | | Log of Boring No. GB-1 | |
| BORING LOCATION: 20 feet west of garage, 53 feet south of main building | | ELEVATION AND DATUM: 0 datum is ground surface | |
| DRILLING CONTRACTOR: Martin Geo-Environmental | | DATE STARTED: 10/24/2005 | DATE FINISHED: 10/24/2005 |
| DRILLING EQUIPMENT: Acker Sentry | | TOTAL DEPTH (feet): 27 | MEASURING POINT: Ground surface |
| DRILLING METHOD: Hollow-Stem Auger | | DEPTH TO FREE WATER FIRST ENCOUNTERED: 6.5 feet | |
| SAMPLING METHOD: See Boring Log Explanation, Figure A-1 | | DEPTH TO FREE WATER AT COMPLETION: N/A | |
| HAMMER WEIGHT: 140 lb | HAMMER DROP: 30-inch | LOGGED BY: D. Averill | |

| DEPTH (feet) | SAMPLES | | | MATERIAL DESCRIPTION | LABORATORY TESTS | | |
|--------------|------------|--------|------------|---|----------------------|-------------------|------------------------------------|
| | Sample No. | Sample | Blows/foot | | Moisture Content (%) | Dry Density (pcf) | Other |
| 1 | | | 43 6" | ASPHALT CONCRETE (AC) | | | |
| 2 | | | 100 2" | SILTY SAND w/ GRAVEL (SM) Very dense, olive (5Y 4/3), moist, 70% fine to coarse sand, 25% non-plastic fines, 5% fine gravel | | | PID=23 |
| 3 | | | 41 | SILTY SAND (SM) Dense, light olive brown (25Y 5/3), moist, 90% fine to medium sand, 10% non-plastic fines | | | PID=220 |
| 4 | | | 16 6" | | | | PID=236 |
| 5 | | | 62 | | | | |
| 6 | | | | | | | |
| 7 | | | 46 12" | wet dark greensih gray (Gley 1 4/1), wet, hydrocarbon sheen | | | Sieve <#200=21.0% PID=720 |
| 8 | 7.5 | | 30 12" | | | | PID=49 |
| 9 | | | 14 | strong hydrocarbon odor | | | |
| 10 | | | 12 6" | | | | PID=166 |
| 11 | | | 20 | | | | |
| 12 | | | 43 | very dark gray (Gley 1 3/1) | | | |
| 13 | | | | Peat | | | PID=194 PID=302 |
| 14 | | | 43 | SILTY SAND w/ GRAVEL (SM) Dense, very dark gray (Gley 1 3/1), wet, 60% fine gravel, 30% fine to coarse sand, 10% non-plastic fines | 14.0 | | Sieve <#200=33.1% PID=27 PID=15 |
| 15 | 15 | | | | | | |
| 16 | | | 55 | SILT (ML) Very stiff, dark gray (Gley 1 3/1), moist, with | | | |
| 17 | | | | | | | |

GEES-SOIL 12/03 SOILLOGS_9328.GPJ GES32003-7.GDT 12/9/05

Log of Boring No. GB-1 cont.

| DEPTH (feet) | SAMPLES | | | MATERIAL DESCRIPTION | LABORATORY TESTS | | |
|-----------------|------------|--------|------------|--|----------------------|-------------------|--|
| | Sample No. | Sample | Blows/foot | | Moisture Content (%) | Dry Density (pcf) | Other |
| 18 | | | 12" | interbedded clay, 95% non-plastic fines, 5% fine sand | | | PID=7.6 |
| 19 | | | 40 12" | | | | |
| 20 | | | 19 | Lean Clay | | | |
| 21 | | | 8 6" | | | | |
| 22 | 21 | | 7 | Lean Clay | 26.0 | | Sieve <#200=99.9% PID=6.5 |
| 23 | | | 5 6" | | | | |
| 24 | 24 | | 18 | | 34.0 | | Sieve <#200=99.7% LL=35 PL=21 PID=5.3 |
| 25 | | | | | | | |
| 26 | | | 24 | | | | |
| 27 | | | 16 6" | Lean Clay | | | |
| | | | | Bottom of boring at 27 feet | | | |
| | | | | Borehole destroyed by placing neat cement grout from total depth to 3 feet bgs through the hollow stem auger | | | |
| | | | | PID = Thermo Environmental Instruments 580B PID calibrated with 100 ppm Isobutylene (air balance) standard | | | |

| | | | |
|--|----------------------|--|------------------------------------|
| PROJECT: FORMER DRIVE & PARK, INC. SITE Poughkeepsie, New York | | Log of Boring No. GB-2 | |
| BORING LOCATION: 40 feet west of SW office, 185 south of main office | | ELEVATION AND DATUM: 0 datum is ground surface | |
| DRILLING CONTRACTOR: Martin Geo-Environmental | | DATE STARTED: 10/24/2005 | DATE FINISHED: 10/24/2005 |
| DRILLING EQUIPMENT: Acker Sentry | | TOTAL DEPTH (feet): 27 | MEASURING POINT: Ground surface |
| DRILLING METHOD: Hollow-Stem Auger | | DEPTH TO FREE WATER FIRST ENCOUNTERED: 7.5 feet | |
| SAMPLING METHOD: See Boring Log Explanation, Figure A-1 | | DEPTH TO FREE WATER AT COMPLETION: N/A | |
| HAMMER WEIGHT: 140 lb | HAMMER DROP: 30-inch | LOGGED BY: D. Averill | |

| DEPTH (feet) | SAMPLES | | | MATERIAL DESCRIPTION | LABORATORY TESTS | | |
|--------------|------------|--------|------------|---|----------------------|-------------------|--|
| | Sample No. | Sample | Blows/foot | | Moisture Content (%) | Dry Density (pcf) | Other |
| 1 | | | | ASPHALT CONCRETE (AC) | | | |
| 2 | | | | SILTY SAND (SM) Loose, dark gray (16YR 4/1), moist, 70% fine to medium sand, 20% non-plastic fines, 10% fine to coarse gravel | | | |
| 3 | | | 41 12" | wood debris, strong hydrocarbon odor | | | |
| 4 | | | 33 12" | | | | Sieve <#200=40.6 |
| 5 | 4 | | 13 | | | | |
| 6 | | | 6 6" | wood debris | | | |
| 7 | | | 55 | wet | | | |
| 8 | | | | Peat | | | PID=213 |
| 9 | | | 34 | POORLY GRADED SAND with SILT and GRAVEL (SP) Medium dense, dark gray (25Y 1/1), wet, 70% medium to coarse sand, 15% fine gravel, 15% non-plastic fines | | | PID=17.8 |
| 10 | | | | SILT (ML) Medium stiff, grayish brown (25Y 5/2), moist, 90% fines, 10% fine sand, non-plastic, mottling at top of unit | | | |
| 11 | | | 7 | | | | |
| 12 | | | 52 | dark gray (2.5Y 4/1), 100% non-plastic fines, slow dilatancy | | | Sieve <#200=98.9 LL=21 PL=16 PID=4.7 |
| 13 | 12 | | | | | | |
| 14 | | | 20 6" | | | | |
| 15 | | | | | | | |
| 16 | | | 14 | | | | |
| 17 | | | 12 6" | | | | Sieve <#200=99.3 |

GEES-SOIL 12/03 SOILLOGS_9328.GPJ GES32003-7.GDT 12/9/05

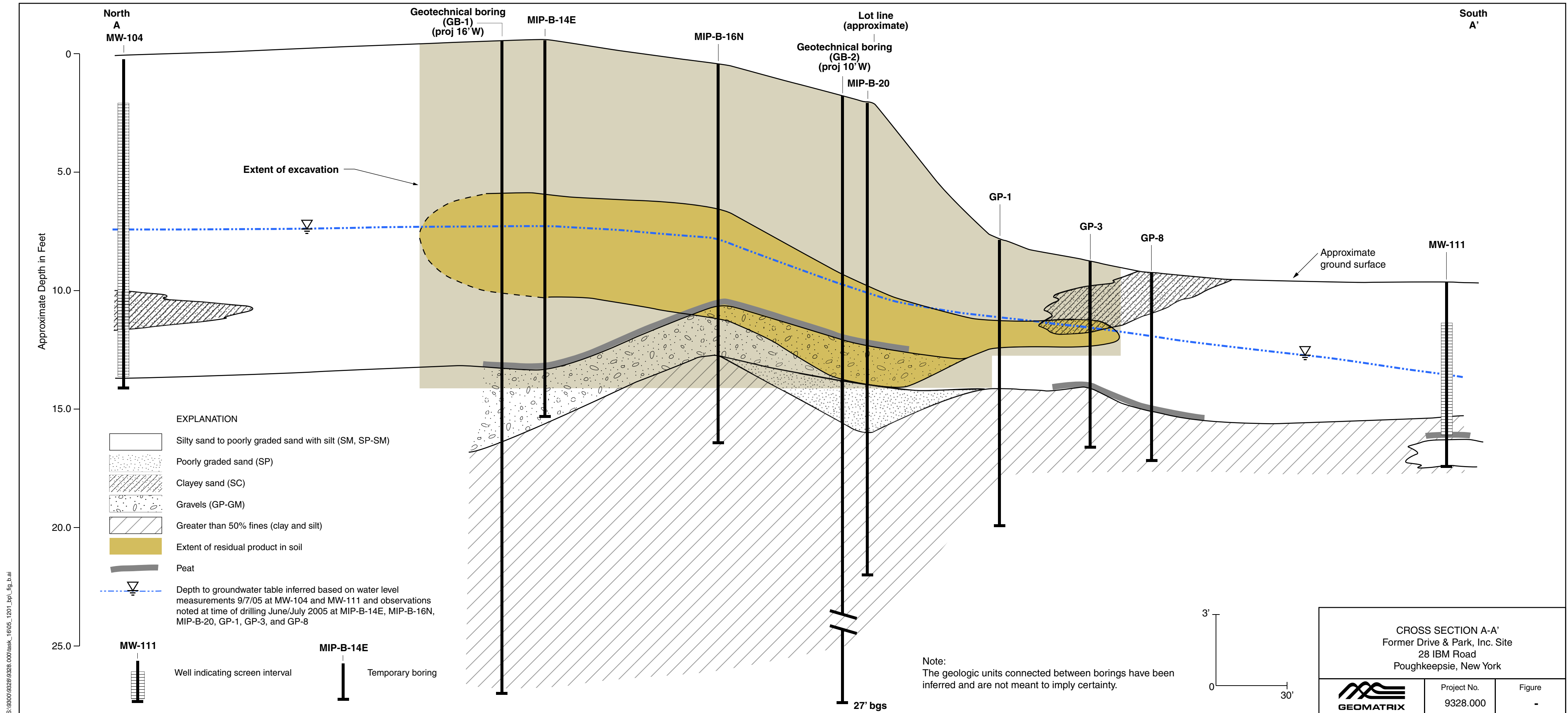
GT-1 (12/03)

Log of Boring No. GB-2 cont.

| DEPTH (feet) | SAMPLES | | | MATERIAL DESCRIPTION | LABORATORY TESTS | | |
|-----------------|------------|--------|------------|--|----------------------|-------------------|---------------------------------|
| | Sample No. | Sample | Blows/foot | | Moisture Content (%) | Dry Density (pcf) | Other |
| 18 | 17 | | 21 | | | | |
| 19 | | | | lean clay | | | |
| 20 | | | 18 | lean clay | | | |
| 21 | | | | | | | Sieve <#200=99.6 LL=28 PL=16 |
| 22 | 22 | | 17 | lean clay | | | |
| 23 | | | | | | | |
| 24 | | | 28 | | | | |
| 25 | | | | | | | |
| 26 | | | 19 | soft | | | |
| 27 | | | | soft | | | |
| | | | | Bottom of boring at 27 feet | | | |
| | | | | Borehole destroyed by placing neat cement grout from total depth to 3 feet bgs through the hollow stem auger | | | |
| | | | | PID = Thermo Environmental INstruments 580B PID calibrated 100ppm Isobutylene (air balance) standard | | | |

APPENDIX B

Geological Cross-Section



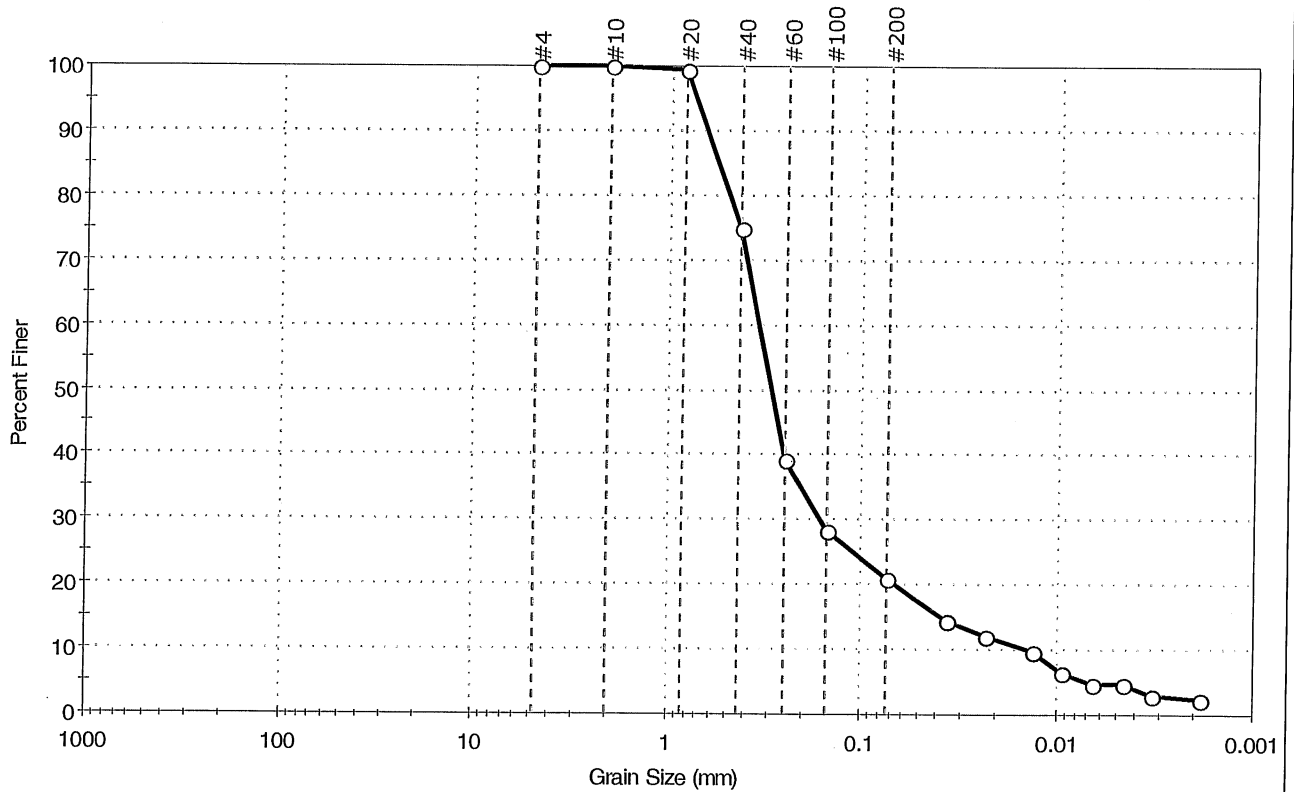
S:\93001\9328\9328_000\Task_16\05_1201_bp_fig_b.ai

APPENDIX C

Geotechnical Laboratory Report

| | | | |
|---|------------------------------------|----------------------------|----------------------|
| Client: Geomatrix Consultants Inc | Project: Former Drive and Park Inc | Location: Poughkeepsie, NY | Project No: GTX-6300 |
| Boring ID: --- | Sample Type: tube | Tested By: pcs | |
| Sample ID:GB-1 | Test Date: 11/09/05 | Checked By: jdt | |
| Depth : 7.5 ft. | Test Id: 80611 | | |
| Test Comment: --- | | | |
| Sample Description: Moist, olive brown silty sand | | | |
| Sample Comment: --- | | | |

Particle Size Analysis - ASTM D 422



| | | | |
|----------|----------|--------|--------------------|
| % Cobble | % Gravel | % Sand | % Silt & Clay Size |
| --- | 0.0 | 79.0 | 21.0 |

| Sieve Name | Sieve Size, mm | Percent Finer | Spec. Percent | Complies |
|------------|--------------------|---------------|---------------|----------|
| #4 | 4.75 | 100 | | |
| #10 | 2.00 | 100 | | |
| #20 | 0.84 | 99 | | |
| #40 | 0.42 | 75 | | |
| #60 | 0.25 | 39 | | |
| #100 | 0.15 | 28 | | |
| #200 | 0.074 | 21 | | |
| --- | Particle Size (mm) | Percent Finer | Spec. Percent | Complies |
| --- | 0.0358 | 14 | | |
| --- | 0.0228 | 12 | | |
| --- | 0.0132 | 10 | | |
| --- | 0.0093 | 6 | | |
| --- | 0.0066 | 5 | | |
| --- | 0.0046 | 5 | | |
| --- | 0.0033 | 3 | | |
| --- | 0.0019 | 2 | | |

Coefficients

| | |
|----------------------------|----------------------------|
| D ₈₅ =0.5640 mm | D ₃₀ =0.1627 mm |
| D ₆₀ =0.3408 mm | D ₁₅ =0.0383 mm |
| D ₅₀ =0.2938 mm | D ₁₀ =0.0144 mm |
| C _u =23.667 | C _c =5.394 |

Classification

ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

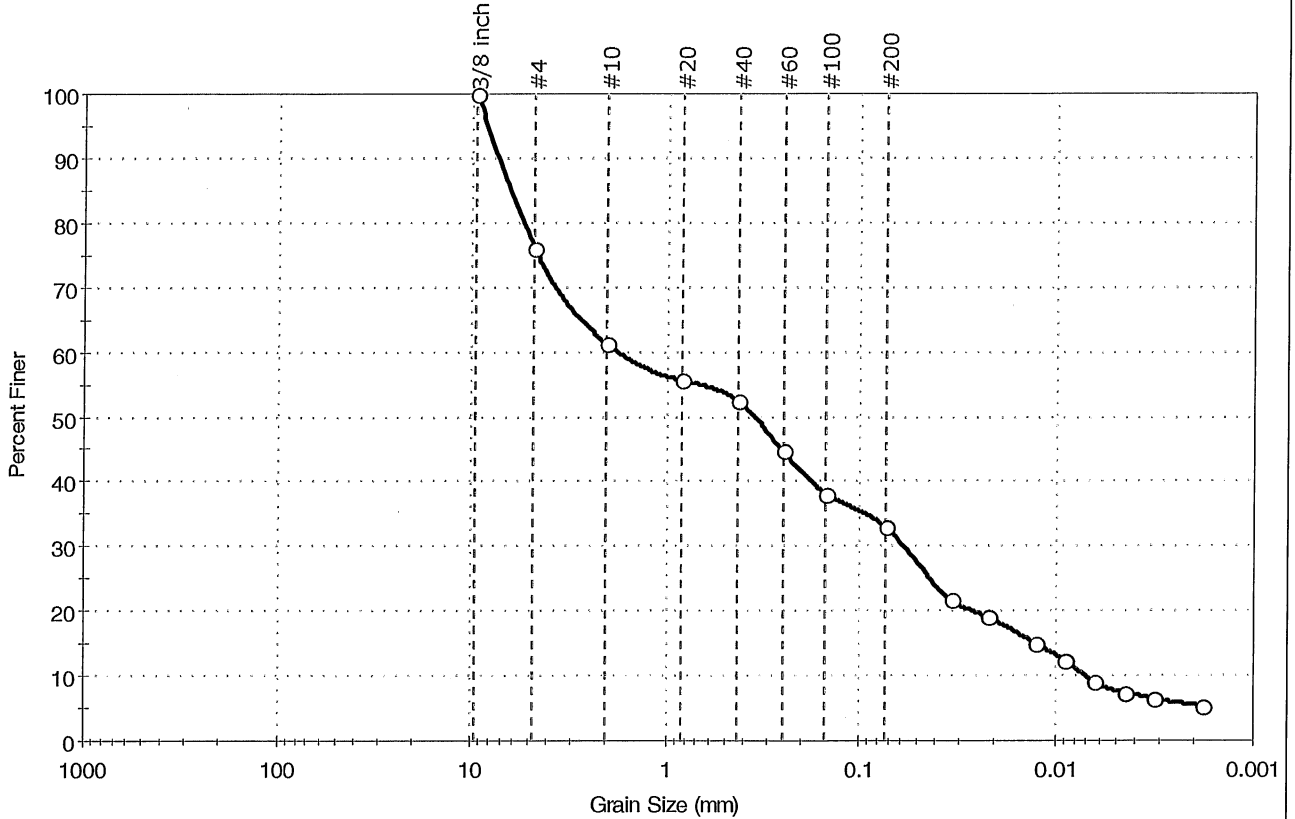
Sample / Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

| | | | |
|-----------------------------------|---|----------------------------|----------------------|
| Client: Geomatrix Consultants Inc | Project: Former Drive and Park Inc | Location: Poughkeepsie, NY | Project No: GTX-6300 |
| Boring ID: --- | Sample Type: tube | Tested By: pcs | Sample ID: GB-1 |
| Depth: 15 ft. | Test Date: 11/09/05 | Checked By: jdt | Test Id: 80612 |
| Test Comment: --- | Sample Description: Moist, dark gray silty sand with gravel | | |
| Sample Comment: --- | | | |

Particle Size Analysis - ASTM D 422



| | | | |
|----------|----------|--------|--------------------|
| % Cobble | % Gravel | % Sand | % Silt & Clay Size |
| -- | 23.8 | 43.1 | 33.1 |

| Sieve Name | Sieve Size, mm | Percent Finer | Spec. Percent | Complies |
|------------|--------------------|---------------|---------------|----------|
| 3/8 inch | 9.51 | 100 | | |
| #4 | 4.75 | 76 | | |
| #10 | 2.00 | 61 | | |
| #20 | 0.84 | 56 | | |
| #40 | 0.42 | 52 | | |
| #60 | 0.25 | 45 | | |
| #100 | 0.15 | 38 | | |
| #200 | 0.074 | 33 | | |
| --- | Particle Size (mm) | Percent Finer | Spec. Percent | Complies |
| --- | 0.0337 | 22 | | |
| --- | 0.0216 | 19 | | |
| --- | 0.0126 | 15 | | |
| --- | 0.0090 | 12 | | |
| --- | 0.0064 | 9 | | |
| --- | 0.0045 | 7 | | |
| --- | 0.0032 | 6 | | |
| --- | 0.0018 | 5 | | |

| <u>Coefficients</u> | |
|-----------------------------|-----------------------------|
| D ₈₅ = 6.1349 mm | D ₃₀ = 0.0596 mm |
| D ₆₀ = 1.6520 mm | D ₁₅ = 0.0125 mm |
| D ₅₀ = 0.3605 mm | D ₁₀ = 0.0070 mm |
| C _u = 236.000 | C _c = 0.307 |

| <u>Classification</u> | |
|-----------------------|-----------------------------------|
| <u>ASTM</u> | Silty sand with gravel (SM) |
| <u>AASHTO</u> | Silty Gravel and Sand (A-2-4 (0)) |

| <u>Sample/Test Description</u> | |
|--------------------------------------|--|
| Sand/Gravel Particle Shape : ANGULAR | |
| Sand/Gravel Hardness : HARD | |



| | | | |
|---------------------|---|--------------|----------|
| Client: | Geomatrix Consultants Inc | | |
| Project: | Former Drive and Park Inc | | |
| Location: | Poughkeepsie, NY | Project No: | GTX-6300 |
| Boring ID: | --- | Sample Type: | tube |
| Sample ID: | GB-1 | Test Date: | 11/09/05 |
| Depth : | 15 ft. | Test Id: | 80620 |
| Test Comment: | --- | | |
| Sample Description: | Moist, dark gray silty sand with gravel | | |
| Sample Comment: | --- | | |

Atterberg Limits - ASTM D 4318

Sample Determined to be non-plastic

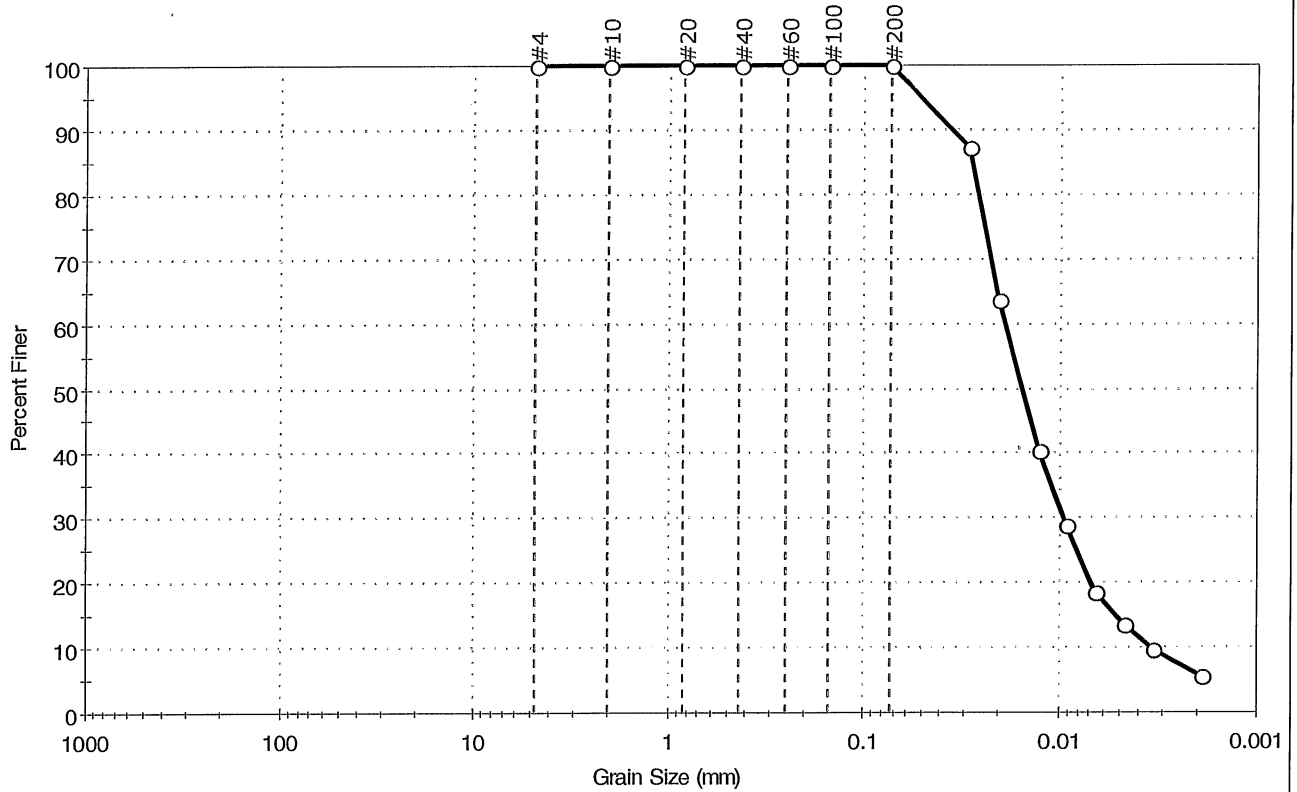
| Symbol | Sample ID | Boring | Depth | Natural Moisture Content, % | Liquid Limit | Plastic Limit | Plasticity Index | Liquidity Index | Soil Classification |
|--------|-----------|--------|--------|-----------------------------|--------------|---------------|------------------|-----------------|-----------------------------|
| * | GB-1 | --- | 15 ft. | 14 | n/a | n/a | n/a | n/a | Silty sand with gravel (SM) |

48% Retained on #40 Sieve
Dry Strength: HIGH
Dilency: RAPID
Toughness: n/a
The sample was determined to be Non-Plastic



| | | | |
|-----------------------------------|---|----------------------------|----------------------|
| Client: Geomatrix Consultants Inc | Project: Former Drive and Park Inc | Location: Poughkeepsie, NY | Project No: GTX-6300 |
| Boring ID: --- | Sample Type: tube | Tested By: pcs | Sample ID: GB-1 |
| Depth: 21 ft. | Test Date: 11/09/05 | Checked By: jdt | Test Id: 80613 |
| Test Comment: --- | Sample Description: Moist, dark gray silt | Sample Comment: --- | |

Particle Size Analysis - ASTM D 422



| | | | |
|----------|----------|--------|--------------------|
| % Cobble | % Gravel | % Sand | % Silt & Clay Size |
| --- | 0.0 | 0.1 | 99.9 |

| Sieve Name | Sieve Size, mm | Percent Finer | Spec. Percent | Complies |
|------------|--------------------|---------------|---------------|----------|
| #4 | 4.75 | 100 | | |
| #10 | 2.00 | 100 | | |
| #20 | 0.84 | 100 | | |
| #40 | 0.42 | 100 | | |
| #60 | 0.25 | 100 | | |
| #100 | 0.15 | 100 | | |
| #200 | 0.074 | 100 | | |
| --- | Particle Size (mm) | Percent Finer | Spec. Percent | Complies |
| --- | 0.0292 | 87 | | |
| --- | 0.0202 | 64 | | |
| --- | 0.0126 | 40 | | |
| --- | 0.0091 | 29 | | |
| --- | 0.0066 | 19 | | |
| --- | 0.0047 | 14 | | |
| --- | 0.0034 | 10 | | |
| --- | 0.0019 | 5 | | |

| Coefficients | |
|-----------------------------|-----------------------------|
| D ₈₅ = 0.0282 mm | D ₃₀ = 0.0094 mm |
| D ₆₀ = 0.0187 mm | D ₁₅ = 0.0052 mm |
| D ₅₀ = 0.0153 mm | D ₁₀ = 0.0035 mm |
| C _u = 5.343 | C _c = 1.350 |

| Classification | |
|----------------|-----------------------|
| ASTM | silt (ML) |
| AASHTO | Silty Soils (A-4 (0)) |

| Sample/Test Description | |
|----------------------------|-------|
| Sand/Gravel Particle Shape | : --- |
| Sand/Gravel Hardness | : --- |



| | | | |
|---------------------|---------------------------|--------------|----------|
| Client: | Geomatrix Consultants Inc | | |
| Project: | Former Drive and Park Inc | | |
| Location: | Poughkeepsie, NY | Project No: | GTX-6300 |
| Boring ID: | --- | Sample Type: | tube |
| Sample ID: | GB-1 | Test Date: | 11/09/05 |
| Depth : | 21 ft. | Test Id: | 80621 |
| Test Comment: | --- | | |
| Sample Description: | Moist, dark gray silt | | |
| Sample Comment: | --- | | |

Atterberg Limits - ASTM D 4318

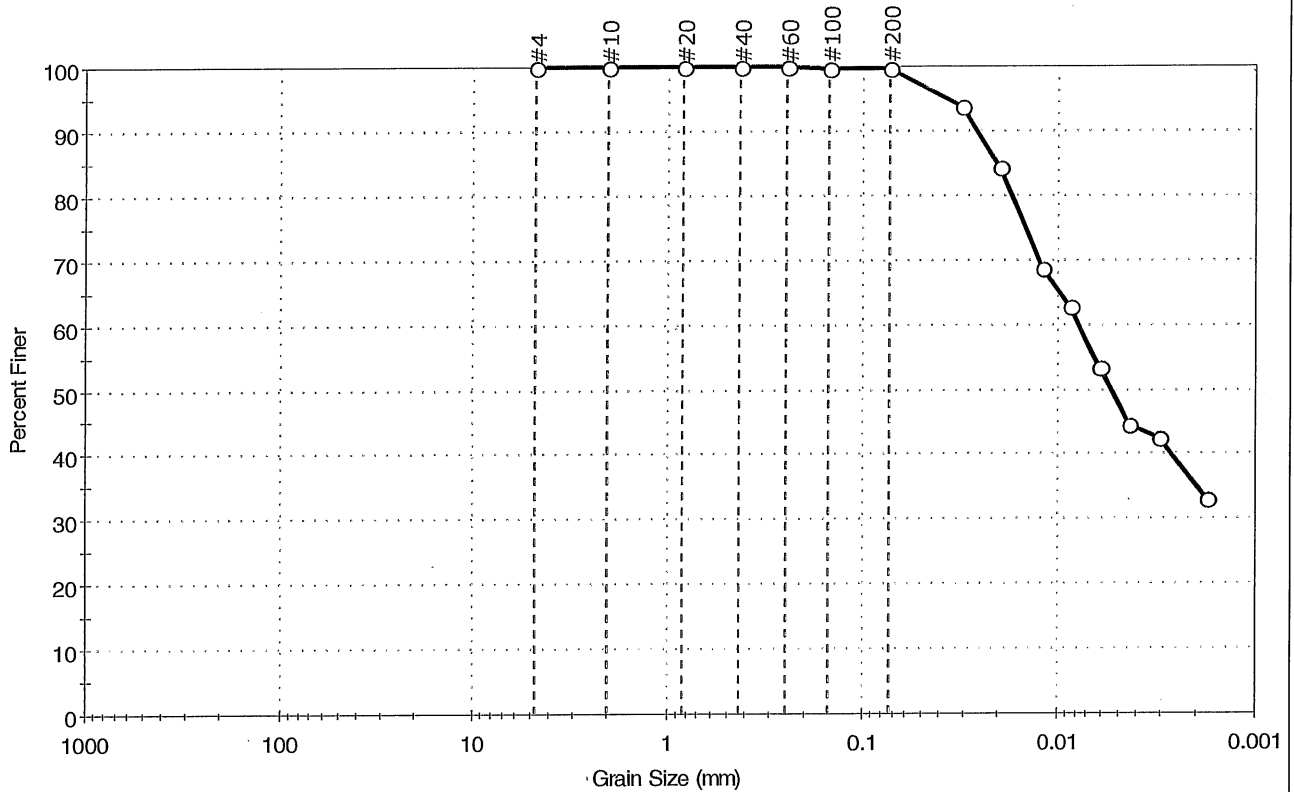
Sample Determined to be non-plastic

| Symbol | Sample ID | Boring | Depth | Natural Moisture Content, % | Liquid Limit | Plastic Limit | Plasticity Index | Liquidity Index | Soil Classification |
|--------|-----------|--------|--------|-----------------------------|--------------|---------------|------------------|-----------------|---------------------|
| * | GB-1 | --- | 21 ft. | 26 | n/a | n/a | n/a | n/a | silt (ML) |

0% Retained on #40 Sieve
 Dry Strength: HIGH
 Dilatancy: RAPID
 Toughness: n/a
 The sample was determined to be Non-Plastic

| | | | |
|-----------------------------------|--|----------------------------|----------------------|
| Client: Geomatrix Consultants Inc | Project: Former Drive and Park Inc | Location: Poughkeepsie, NY | Project No: GTX-6300 |
| Boring ID: --- | Sample Type: tube | Tested By: pcs | Sample ID: GB-1 |
| Depth: 24 ft. | Test Date: 11/09/05 | Checked By: jdt | Test Id: 80614 |
| Test Comment: --- | Sample Description: Moist, very dark gray clay | Sample Comment: --- | |

Particle Size Analysis - ASTM D 422



| | | | |
|----------|----------|--------|--------------------|
| % Cobble | % Gravel | % Sand | % Silt & Clay Size |
| --- | 0.0 | 0.3 | 99.7 |

| Sieve Name | Sieve Size, mm | Percent Finer | Spec. Percent | Complies |
|------------|--------------------|---------------|---------------|----------|
| #4 | 4.75 | 100 | | |
| #10 | 2.00 | 100 | | |
| #20 | 0.84 | 100 | | |
| #40 | 0.42 | 100 | | |
| #60 | 0.25 | 100 | | |
| #100 | 0.15 | 100 | | |
| #200 | 0.074 | 100 | | |
| --- | Particle Size (mm) | Percent Finer | Spec. Percent | Complies |
| --- | 0.0313 | 94 | | |
| --- | 0.0199 | 84 | | |
| --- | 0.0119 | 69 | | |
| --- | 0.0085 | 63 | | |
| --- | 0.0061 | 53 | | |
| --- | 0.0044 | 44 | | |
| --- | 0.0031 | 42 | | |
| --- | 0.0018 | 33 | | |

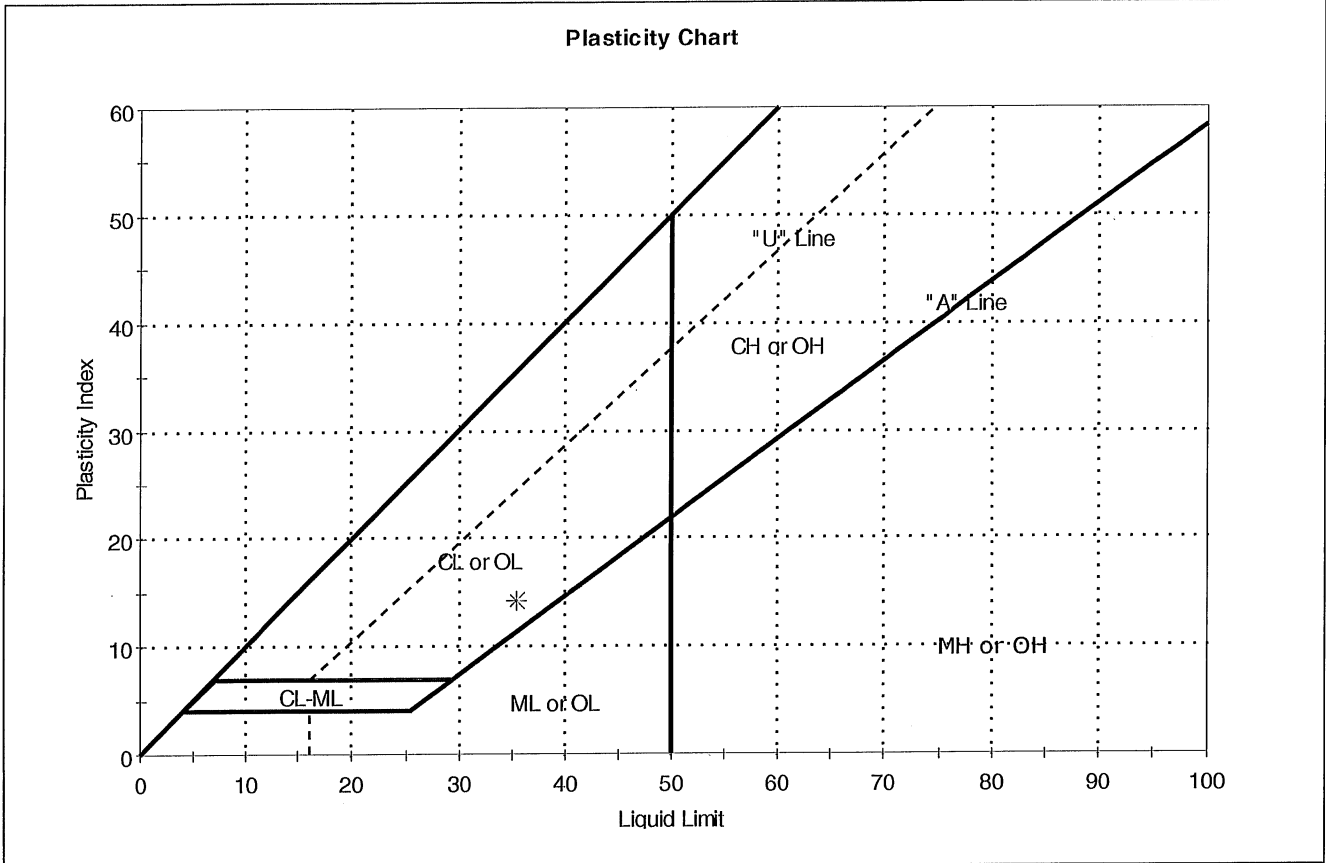
| Coefficients | |
|-----------------------------|-----------------------|
| D ₈₅ = 0.0206 mm | D ₃₀ = N/A |
| D ₆₀ = 0.0077 mm | D ₁₅ = N/A |
| D ₅₀ = 0.0054 mm | D ₁₀ = N/A |
| C _u = N/A | C _c = N/A |

| Classification | |
|----------------|-------------------------|
| ASTM | lean clay (CL) |
| AASHTO | Clayey Soils (A-6 (16)) |

| Sample/Test Description |
|----------------------------------|
| Sand/Gravel Particle Shape : --- |
| Sand/Gravel Hardness : --- |

| | | | |
|---------------------|----------------------------|--------------|----------|
| Client: | Geomatrix Consultants Inc | | |
| Project: | Former Drive and Park Inc | | |
| Location: | Poughkeepsie, NY | Project No: | GTX-6300 |
| Boring ID: | --- | Sample Type: | tube |
| Sample ID: | GB-1 | Test Date: | 11/09/05 |
| Depth : | 24 ft. | Test Id: | 80622 |
| Test Comment: | --- | | |
| Sample Description: | Moist, very dark gray clay | | |
| Sample Comment: | --- | | |

Atterberg Limits - ASTM D 4318



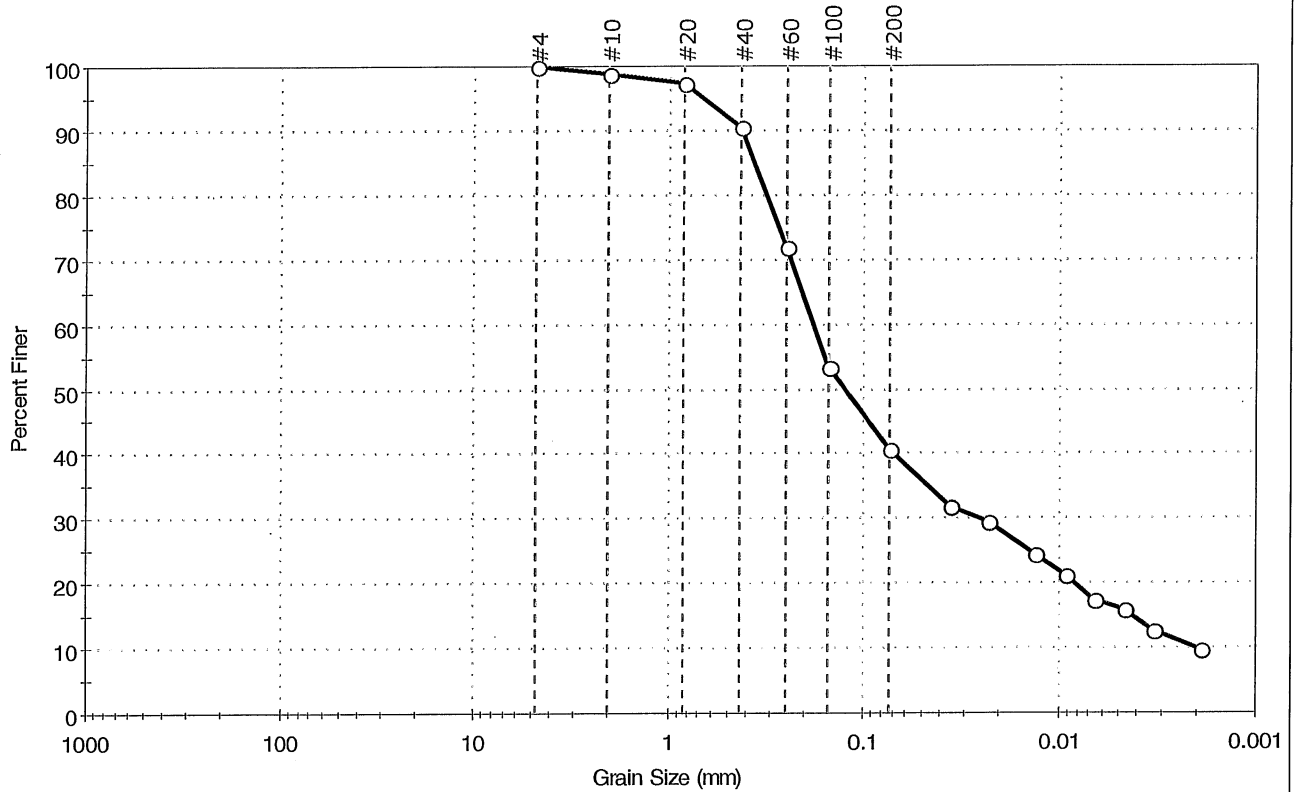
| Symbol | Sample ID | Boring | Depth | Natural Moisture Content, % | Liquid Limit | Plastic Limit | Plasticity Index | Liquidity Index | Soil Classification |
|--------|-----------|--------|--------|-----------------------------|--------------|---------------|------------------|-----------------|---------------------|
| * | GB-1 | --- | 24 ft. | 34 | 35 | 21 | 14 | 1 | lean clay (CL) |

Sample Prepared using the WET method
 0% Retained on #40 Sieve
 Dry Strength: VERY HIGH
 Dilatancy: SLOW
 Toughness: MEDIUM



Client: Geomatrix Consultants Inc
 Project: Former Drive and Park Inc
 Location: Poughkeepsie, NY
 Project No: GTX-6300
 Boring ID: ---
 Sample Type: tube
 Tested By: pcs
 Sample ID: GB-2
 Test Date: 11/09/05
 Checked By: jdt
 Depth: 4 ft.
 Test Id: 80607
 Test Comment: ---
 Sample Description: Moist, dark olive brown silty sand
 Sample Comment: ---

Particle Size Analysis - ASTM D 422



| % Cobble | % Gravel | % Sand | % Silt & Clay Size |
|----------|----------|--------|--------------------|
| --- | 0.0 | 59.4 | 40.6 |

| Sieve Name | Sieve Size, mm | Percent Finer | Spec. Percent | Complies |
|------------|--------------------|---------------|---------------|----------|
| #4 | 4.75 | 100 | | |
| #10 | 2.00 | 99 | | |
| #20 | 0.84 | 97 | | |
| #40 | 0.42 | 90 | | |
| #60 | 0.25 | 72 | | |
| #100 | 0.15 | 53 | | |
| #200 | 0.074 | 41 | | |
| --- | Particle Size (mm) | Percent Finer | Spec. Percent | Complies |
| --- | 0.0355 | 32 | | |
| --- | 0.0226 | 29 | | |
| --- | 0.0132 | 25 | | |
| --- | 0.0093 | 21 | | |
| --- | 0.0066 | 18 | | |
| --- | 0.0047 | 16 | | |
| --- | 0.0033 | 13 | | |
| --- | 0.0019 | 10 | | |

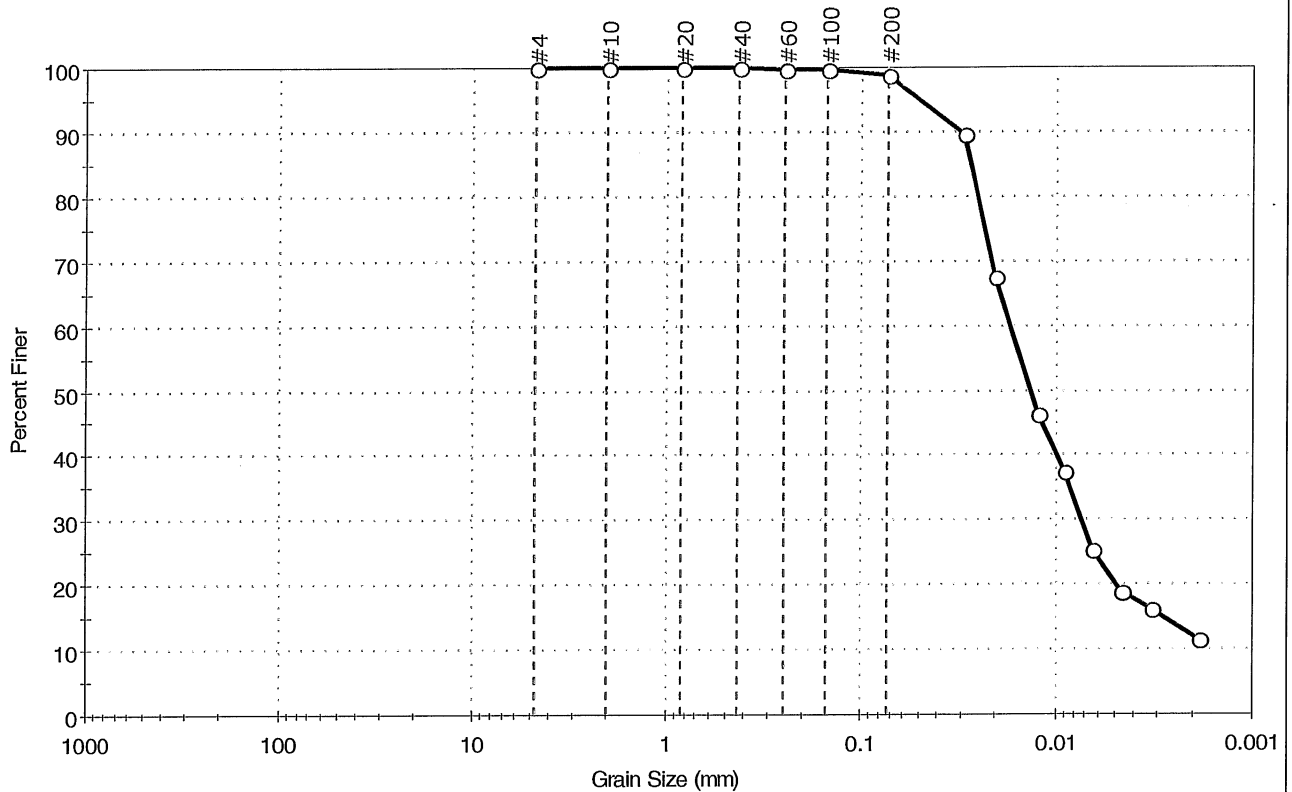
| <u>Coefficients</u> | |
|-----------------------------|-----------------------------|
| D ₈₅ = 0.3635 mm | D ₃₀ = 0.0252 mm |
| D ₆₀ = 0.1803 mm | D ₁₅ = 0.0042 mm |
| D ₅₀ = 0.1248 mm | D ₁₀ = 0.0020 mm |
| C _u = 90.150 | C _c = 1.761 |

| <u>Classification</u> | |
|-----------------------|-----------------------|
| ASTM | N/A |
| AASHTO | Silty Soils (A-4 (0)) |

| <u>Sample/Test Description</u> | |
|--------------------------------------|--|
| Sand/Gravel Particle Shape : ANGULAR | |
| Sand/Gravel Hardness : HARD | |

| | | | | |
|---------------------|---------------------------|--------------|-------------|----------|
| Client: | Geomatrix Consultants Inc | | Project No: | GTX-6300 |
| Project: | Former Drive and Park Inc | | Tested By: | pcs |
| Location: | Poughkeepsie, NY | | Checked By: | jdt |
| Boring ID: | --- | Sample Type: | tube | |
| Sample ID: | GB-2 | Test Date: | 11/09/05 | |
| Depth : | 12 ft. | Test Id: | 80608 | |
| Test Comment: | --- | | | |
| Sample Description: | Moist, gray silty clay | | | |
| Sample Comment: | --- | | | |

Particle Size Analysis - ASTM D 422



| | | | |
|----------|----------|--------|--------------------|
| % Cobble | % Gravel | % Sand | % Silt & Clay Size |
| --- | 0.0 | 1.1 | 98.9 |

| Sieve Name | Sieve Size, mm | Percent Finer | Spec. Percent | Complies |
|------------|--------------------|---------------|---------------|----------|
| #4 | 4.75 | 100 | | |
| #10 | 2.00 | 100 | | |
| #20 | 0.84 | 100 | | |
| #40 | 0.42 | 100 | | |
| #60 | 0.25 | 100 | | |
| #100 | 0.15 | 100 | | |
| #200 | 0.074 | 99 | | |
| --- | Particle Size (mm) | Percent Finer | Spec. Percent | Complies |
| --- | 0.0296 | 90 | | |
| --- | 0.0200 | 68 | | |
| --- | 0.0123 | 46 | | |
| --- | 0.0089 | 38 | | |
| --- | 0.0064 | 25 | | |
| --- | 0.0046 | 19 | | |
| --- | 0.0033 | 16 | | |
| --- | 0.0019 | 11 | | |

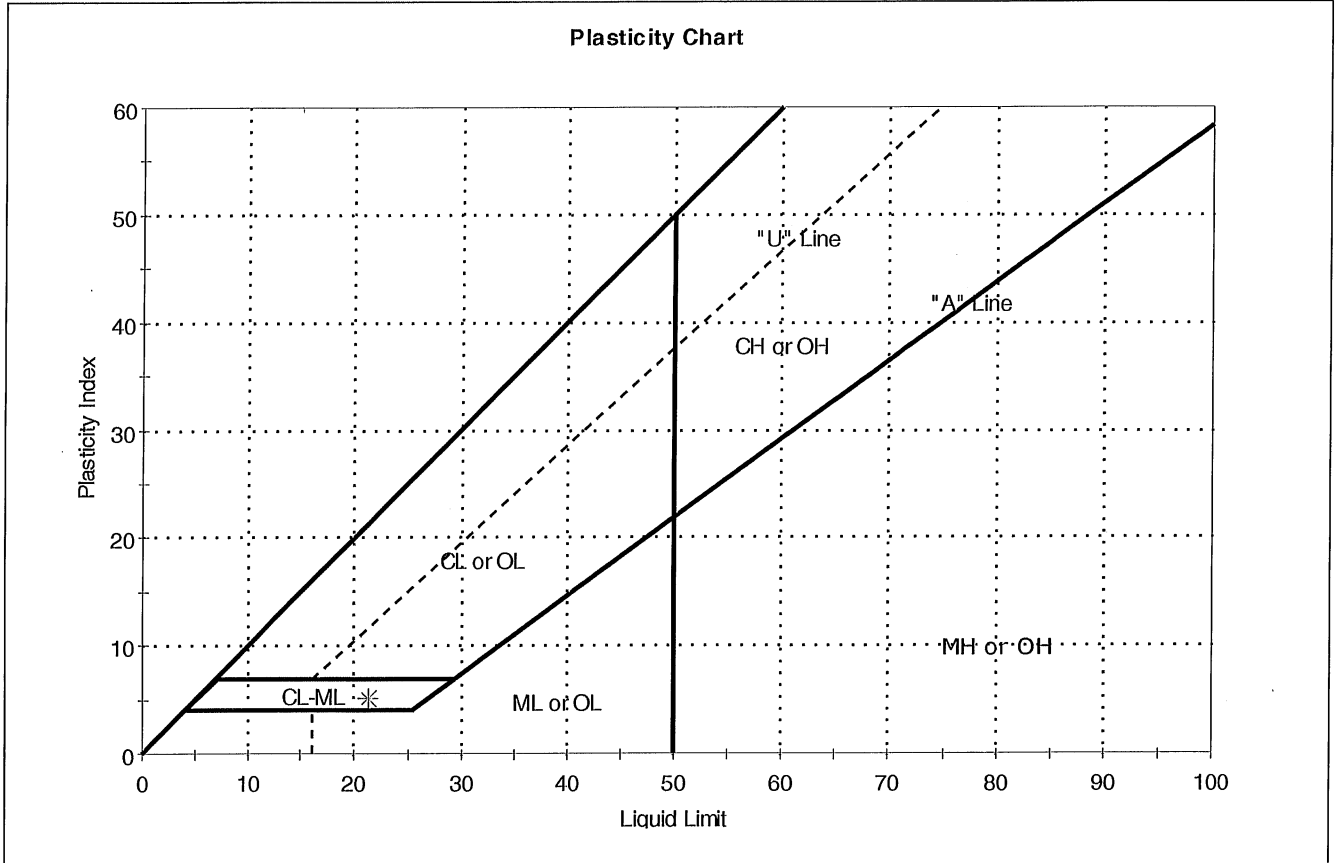
| <u>Coefficients</u> | |
|-----------------------------|-----------------------------|
| D ₈₅ = 0.0273 mm | D ₃₀ = 0.0073 mm |
| D ₆₀ = 0.0168 mm | D ₁₅ = 0.0028 mm |
| D ₅₀ = 0.0134 mm | D ₁₀ = 0.0016 mm |
| C _u = 10.500 | C _c = 1.983 |

| <u>Classification</u> | |
|-----------------------|-----------------------|
| ASTM | silty clay (CL-ML) |
| AASHTO | Silty Soils (A-4 (2)) |

| <u>Sample/Test Description</u> | |
|--------------------------------|-----|
| Sand/Gravel Particle Shape : | --- |
| Sand/Gravel Hardness : | --- |

| | | |
|-----------------------------------|--|----------------------|
| Client: Geomatrix Consultants Inc | Project: Former Drive and Park Inc | Project No: GTX-6300 |
| Location: Poughkeepsie, NY | Boring ID: --- | Sample Type: tube |
| Sample ID: GB-2 | Test Date: 11/08/05 | Tested By: pcs |
| Depth: 12 ft. | Test Id: 80616 | Checked By: jdt |
| Test Comment: --- | Sample Description: Moist, gray silty clay | Sample Comment: --- |

Atterberg Limits - ASTM D 4318

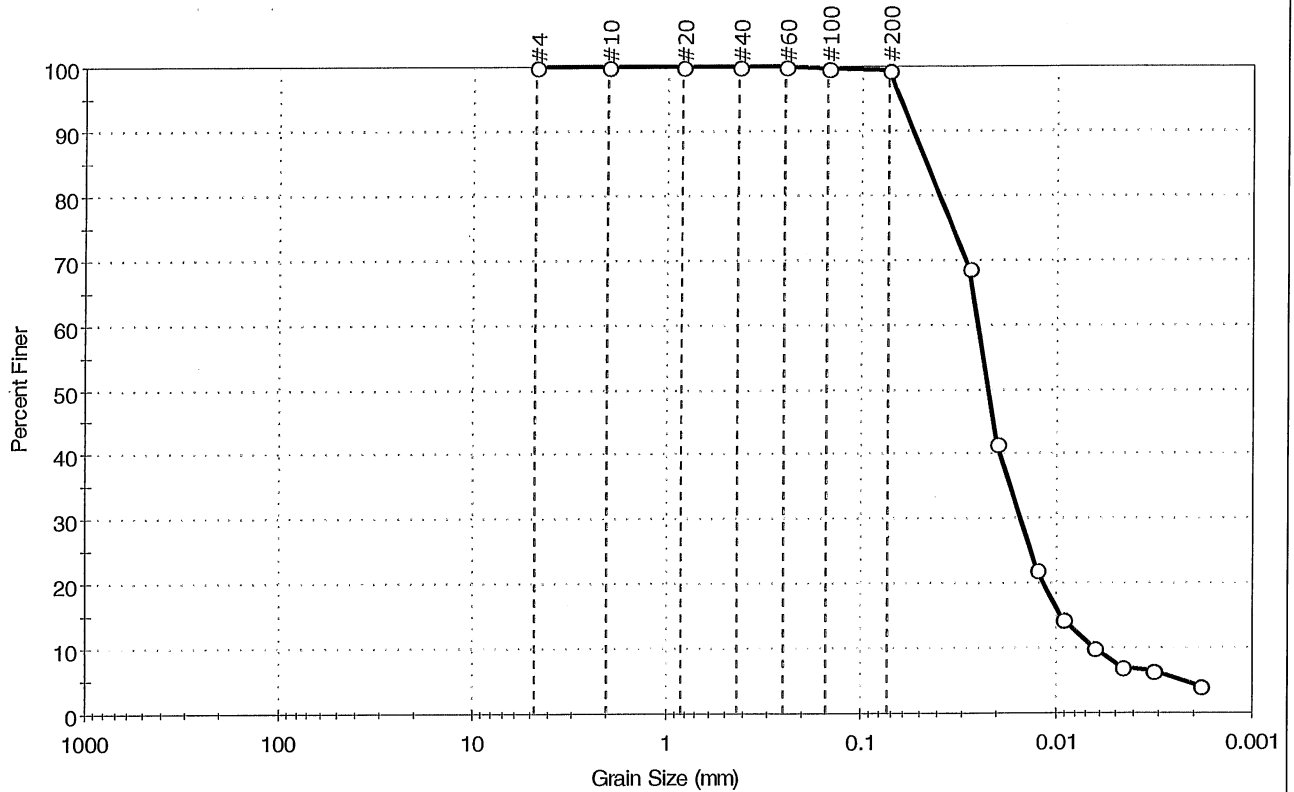


| Symbol | Sample ID | Boring | Depth | Natural Moisture Content, % | Liquid Limit | Plastic Limit | Plasticity Index | Liquidity Index | Soil Classification |
|--------|-----------|--------|--------|-----------------------------|--------------|---------------|------------------|-----------------|---------------------|
| * | GB-2 | --- | 12 ft. | 22 | 21 | 16 | 5 | 1 | silty clay (CL-ML) |

Sample Prepared using the WET method
 0% Retained on #40 Sieve
 Dry Strength: MEDIUM
 Dilatancy: SLOW
 Toughness: LOW

| | | | |
|---|------------------------------------|----------------------------|----------------------|
| Client: Geomatrix Consultants Inc | Project: Former Drive and Park Inc | Location: Poughkeepsie, NY | Project No: GTX-6300 |
| Boring ID: --- | Sample Type: tube | Tested By: pcs | Checked By: jdt |
| Sample ID: GB-2 | Test Date: 11/09/05 | Test Id: 80609 | |
| Depth: 17 ft. | | | |
| Test Comment: --- | | | |
| Sample Description: Moist, dark gray silt | | | |
| Sample Comment: --- | | | |

Particle Size Analysis - ASTM D 422



| | | | |
|----------|----------|--------|--------------------|
| % Cobble | % Gravel | % Sand | % Silt & Clay Size |
| --- | 0.0 | 0.7 | 99.3 |

| Sieve Name | Sieve Size, mm | Percent Finer | Spec. Percent | Complies |
|------------|--------------------|---------------|---------------|----------|
| #4 | 4.75 | 100 | | |
| #10 | 2.00 | 100 | | |
| #20 | 0.84 | 100 | | |
| #40 | 0.42 | 100 | | |
| #60 | 0.25 | 100 | | |
| #100 | 0.15 | 100 | | |
| #200 | 0.074 | 99 | | |
| --- | Particle Size (mm) | Percent Finer | Spec. Percent | Complies |
| --- | 0.0284 | 69 | | |
| --- | 0.0203 | 42 | | |
| --- | 0.0125 | 22 | | |
| --- | 0.0091 | 15 | | |
| --- | 0.0065 | 10 | | |
| --- | 0.0046 | 7 | | |
| --- | 0.0032 | 7 | | |
| --- | 0.0019 | 4 | | |

| <u>Coefficients</u> | |
|-----------------------------|-----------------------------|
| D ₈₅ = 0.0472 mm | D ₃₀ = 0.0152 mm |
| D ₆₀ = 0.0254 mm | D ₁₅ = 0.0093 mm |
| D ₅₀ = 0.0225 mm | D ₁₀ = 0.0064 mm |
| C _u = 3.969 | C _c = 1.421 |

| <u>Classification</u> | |
|-----------------------|-----------------------|
| ASTM | silt (ML) |
| AASHTO | Silty Soils (A-4 (0)) |

| <u>Sample/Test Description</u> | |
|--------------------------------|-------|
| Sand/Gravel Particle Shape | : --- |
| Sand/Gravel Hardness | : --- |



| | | | |
|---------------------|---------------------------|--------------|----------|
| Client: | Geomatrix Consultants Inc | | |
| Project: | Former Drive and Park Inc | | |
| Location: | Poughkeepsie, NY | Project No: | GTX-6300 |
| Boring ID: | --- | Sample Type: | tube |
| Sample ID: | GB-2 | Test Date: | 11/09/05 |
| Depth : | 17 ft. | Test Id: | 80617 |
| Test Comment: | --- | | |
| Sample Description: | Moist, dark gray silt | | |
| Sample Comment: | --- | | |

Atterberg Limits - ASTM D 4318

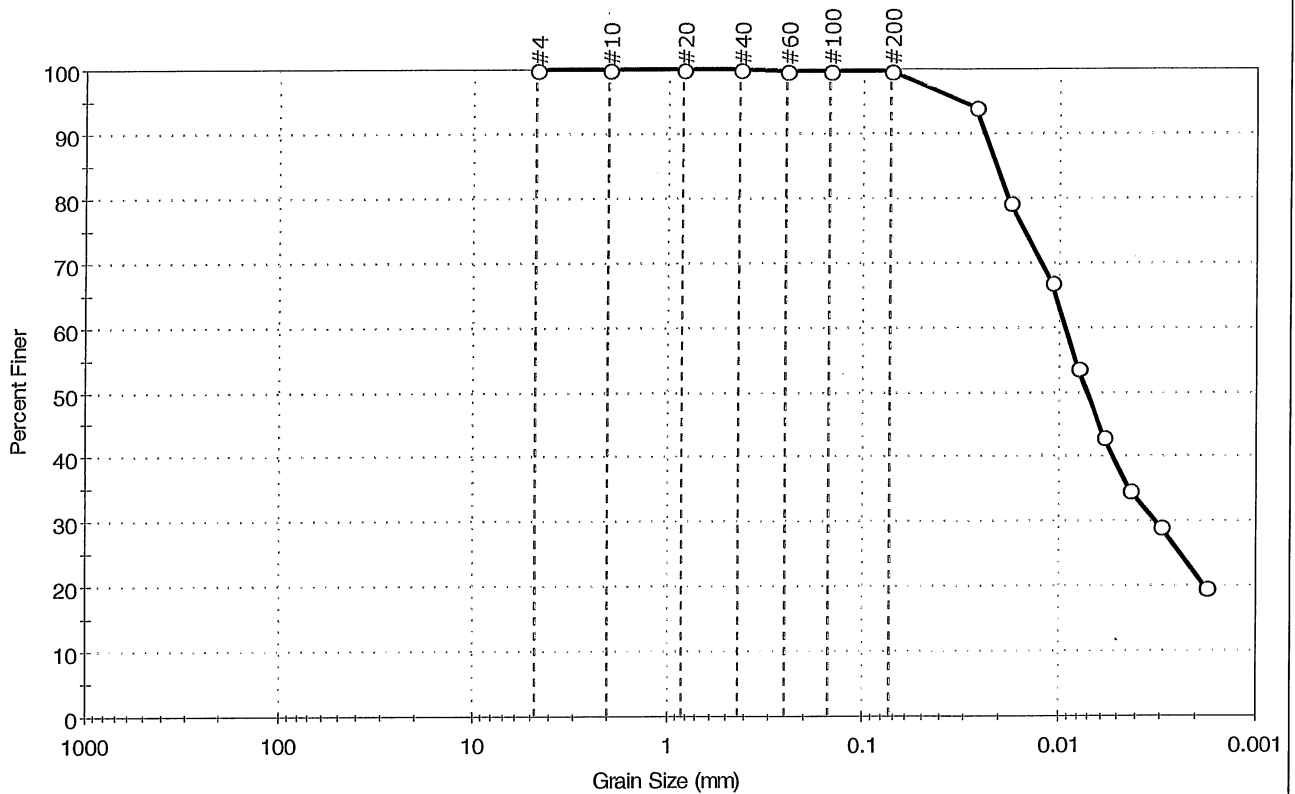
Sample Determined to be non-plastic

| Symbol | Sample ID | Boring | Depth | Natural Moisture Content, % | Liquid Limit | Plastic Limit | Plasticity Index | Liquidity Index | Soil Classification |
|--------|-----------|--------|--------|-----------------------------|--------------|---------------|------------------|-----------------|---------------------|
| * | GB-2 | --- | 17 ft. | 21 | n/a | n/a | n/a | n/a | silt (ML) |

0% Retained on #40 Sieve
 Dry Strength: MEDIUM
 Dilentancy: RAPID
 Toughness: n/a
 The sample was determined to be Non-Plastic

| | | |
|-----------------------------------|---|----------------------|
| Client: Geomatrix Consultants Inc | Project: Former Drive and Park Inc | Project No: GTX-6300 |
| Location: Poughkeepsie, NY | Boring ID: --- | Sample Type: tube |
| Sample ID: GB-2 | Test Date: 11/09/05 | Tested By: pcs |
| Depth: 22 ft. | Test Id: 80610 | Checked By: jdt |
| Test Comment: --- | Sample Description: Moist, dark gray clay | Sample Comment: --- |

Particle Size Analysis - ASTM D 422



| | | | |
|----------|----------|--------|--------------------|
| % Cobble | % Gravel | % Sand | % Silt & Clay Size |
| --- | 0.0 | 0.4 | 99.6 |

| Sieve Name | Sieve Size, mm | Percent Finer | Spec. Percent | Complies |
|------------|--------------------|---------------|---------------|----------|
| #4 | 4.75 | 100 | | |
| #10 | 2.00 | 100 | | |
| #20 | 0.84 | 100 | | |
| #40 | 0.42 | 100 | | |
| #60 | 0.25 | 100 | | |
| #100 | 0.15 | 100 | | |
| #200 | 0.074 | 100 | | |
| --- | Particle Size (mm) | Percent Finer | Spec. Percent | Complies |
| --- | 0.0267 | 94 | | |
| --- | 0.0181 | 79 | | |
| --- | 0.0110 | 67 | | |
| --- | 0.0081 | 54 | | |
| --- | 0.0059 | 43 | | |
| --- | 0.0043 | 35 | | |
| --- | 0.0030 | 29 | | |
| --- | 0.0018 | 20 | | |

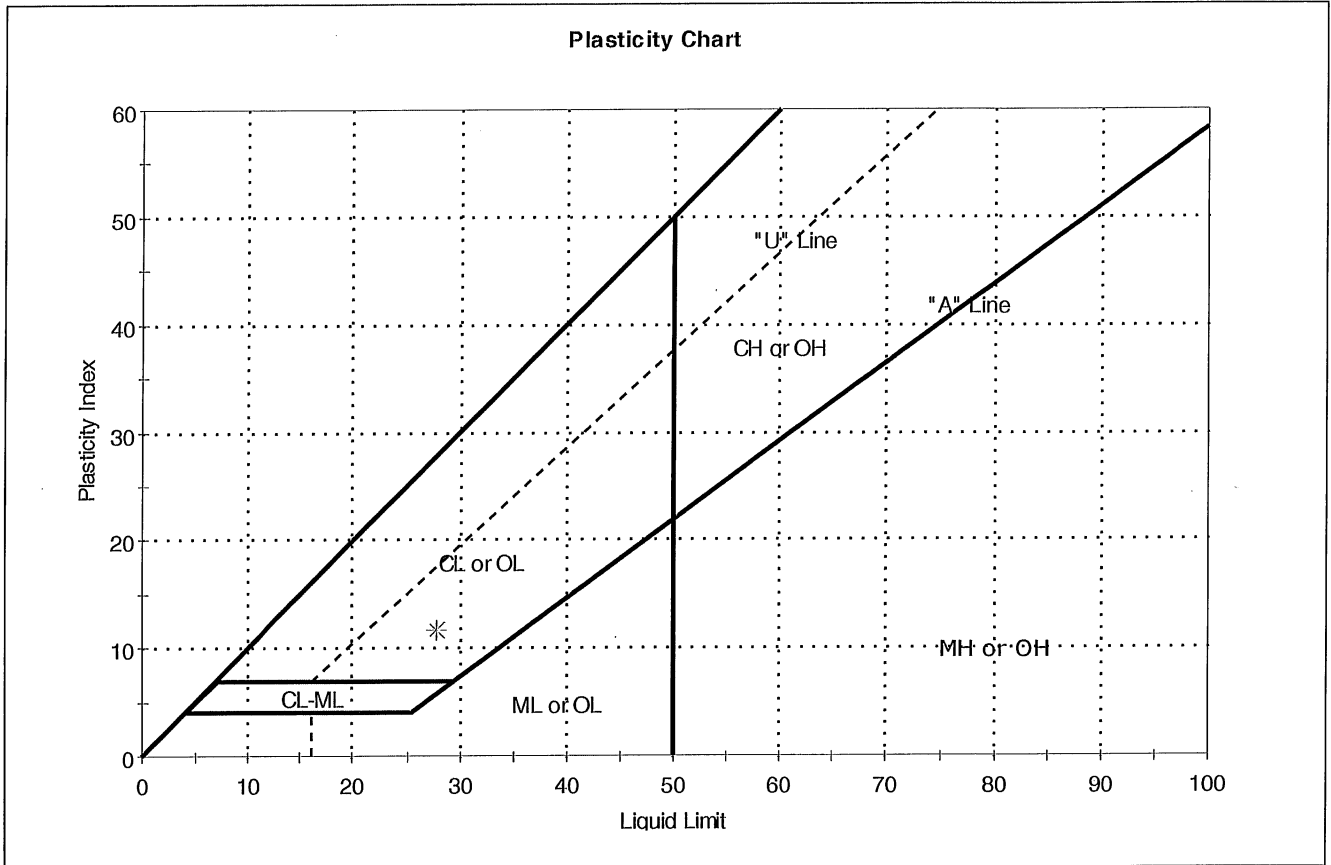
| <u>Coefficients</u> | |
|-----------------------------|-----------------------------|
| D ₈₅ = 0.0210 mm | D ₃₀ = 0.0032 mm |
| D ₆₀ = 0.0093 mm | D ₁₅ = N/A |
| D ₅₀ = 0.0072 mm | D ₁₀ = N/A |
| C _u = N/A | C _c = N/A |

| <u>Classification</u> | |
|-----------------------|-------------------------|
| ASTM | lean clay (CL) |
| AASHTO | Clayey Soils (A-6 (11)) |

| <u>Sample/Test Description</u> | |
|--------------------------------|-------|
| Sand/Gravel Particle Shape | : --- |
| Sand/Gravel Hardness | : --- |

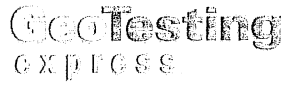
| | | | | | |
|---------------------|---------------------------|--------------|---|-------------|-------|
| Client: | Geomatrix Consultants Inc | | Project No: | GTX-6300 | |
| Project: | Former Drive and Park Inc | | Tested By: | pcs | |
| Location: | Poughkeepsie, NY | Sample Type: | tube | Checked By: | jdt |
| Boring ID: | --- | Test Date: | 11/09/05 | Test Id: | 80618 |
| Sample ID: | GB-2 | | Test Comment: --- | | |
| Depth : | 22 ft. | | Sample Description: Moist, dark gray clay | | |
| Sample Comment: --- | | | | | |

Atterberg Limits - ASTM D 4318



| Symbol | Sample ID | Boring | Depth | Natural Moisture Content, % | Liquid Limit | Plastic Limit | Plasticity Index | Liquidity Index | Soil Classification |
|--------|-----------|--------|--------|-----------------------------|--------------|---------------|------------------|-----------------|---------------------|
| * | GB-2 | --- | 22 ft. | 34 | 28 | 16 | 12 | 1 | lean clay (CL) |

Sample Prepared using the WET method
 0% Retained on #40 Sieve
 Dry Strength: VERY HIGH
 Dilatancy: SLOW
 Toughness: LOW



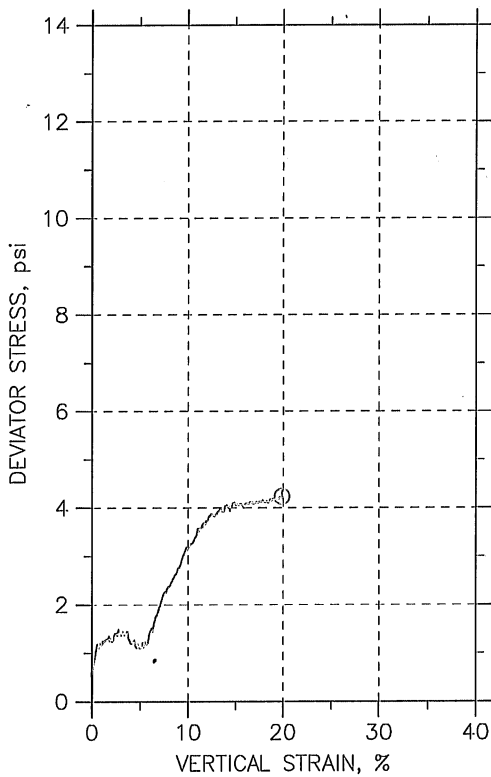
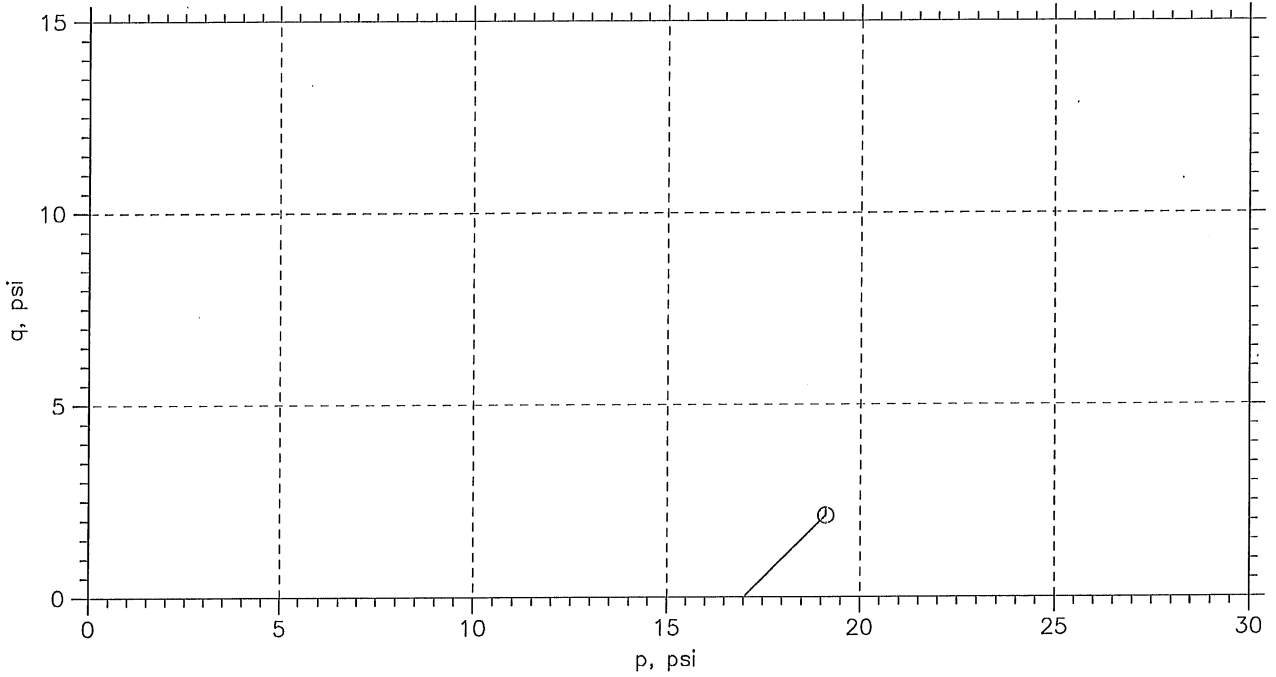
| | | | |
|----------------|---------------------------|-------------|----------|
| Client: | Geomatrix Consultants Inc | | |
| Project: | Former Drive and Park Inc | | |
| Location: | Poughkeepsie, NY | Project No: | GTX-6300 |
| Boring ID: --- | Sample Type: --- | Tested By: | pcs |
| Sample ID: --- | Test Date: 11/09/05 | Checked By: | jdt |
| Depth : --- | Test Id: | 80630 | |

Specific Gravity of Soils by ASTM D 854

| Boring ID | Sample ID | Depth | Visual Description | Specific Gravity |
|-----------|-----------|--------|----------------------------|------------------|
| --- | GB-2 | 17 ft. | Moist, dark gray silt | 2.7 |
| --- | GB-2 | 22 ft. | Moist, dark gray clay | 2.76 |
| --- | GB-1 | 21 ft. | Moist, dark gray silt | 2.59 |
| --- | GB-1 | 24 ft. | Moist, very dark gray clay | 2.69 |

Notes: Specific Gravity performed by using method A (oven dried specimens) of ASTM D 854
Moisture Content determined by ASTM D 2216.

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST by ASTM D2850

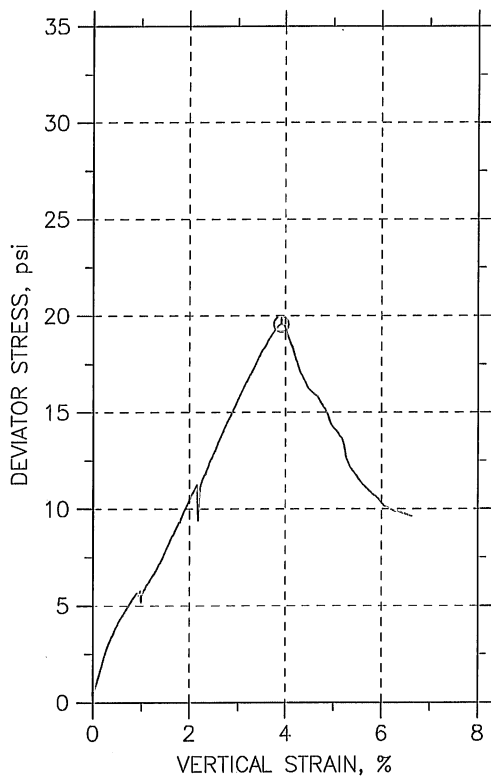
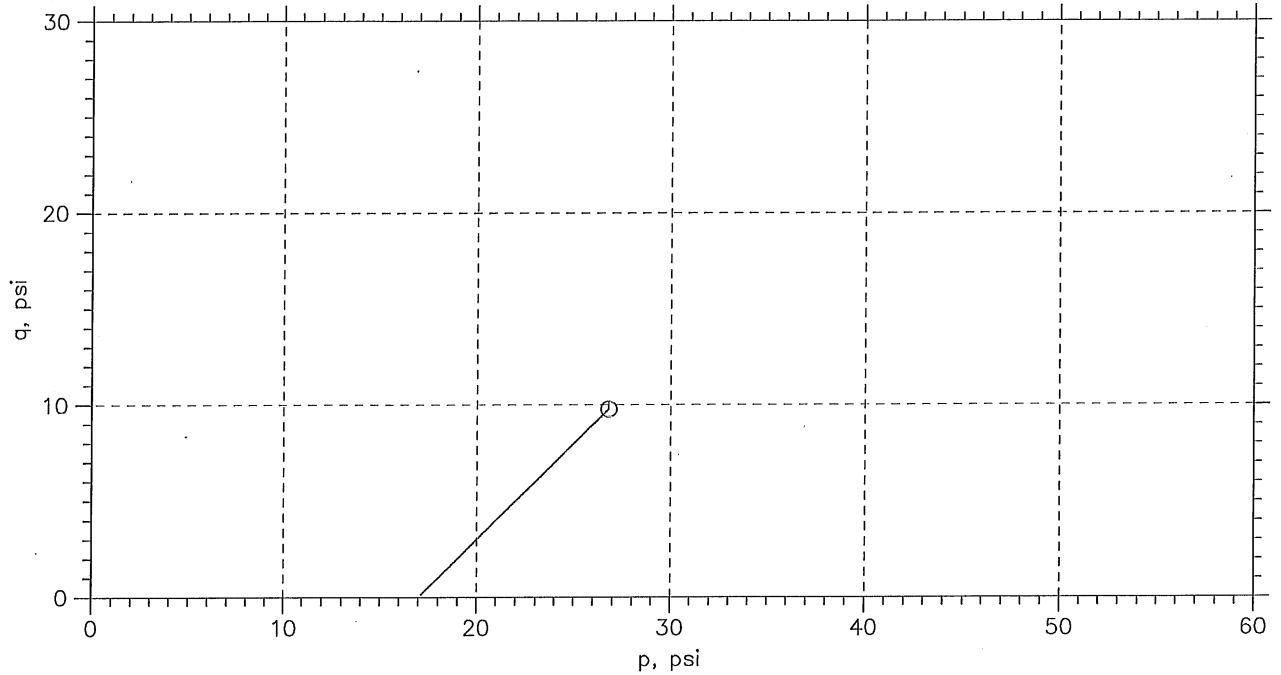


| | | | | |
|---------------------------|----------|--|--|--|
| Symbol | ⊙ | | | |
| Sample No. | GB-1 | | | |
| Test No. | 6300-uu1 | | | |
| Depth | 21 ft. | | | |
| Tested by | md | | | |
| Test Date | 11/10/05 | | | |
| Checked by | jdt | | | |
| Check Date | | | | |
| Diameter, in | 1.41 | | | |
| Height, in | 2.95 | | | |
| Water Content, % | 19.8 | | | |
| Dry Density, pcf | 104.2 | | | |
| Saturation, % | 93.0 | | | |
| Void Ratio | 0.552 | | | |
| Confining Stress, psi | 17 | | | |
| Undrained Strength, psi | 2.118 | | | |
| Max. Dev. Stress, psi | 4.237 | | | |
| Strain at Failure, % | 19.9 | | | |
| Strain Rate, %/min | 0.4 | | | |
| Measured Specific Gravity | 2.59 | | | |
| Liquid Limit | NP | | | |
| Plastic Limit | NP | | | |
| Plasticity Index | NP | | | |

| | | | | | |
|--|------------------------------------|--|--|--|--|
| | Project: Former Drive and Park | | | | |
| | Location: Poughkeepsie NY | | | | |
| | Project No.: GTX-6300 | | | | |
| | Boring No.: GB-1 | | | | |
| | Sample Type: Tube | | | | |
| | Description: Moist, dark gray silt | | | | |
| | Remarks: --- | | | | |

Phase calculations based on start and end of test.

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST by ASTM D2850

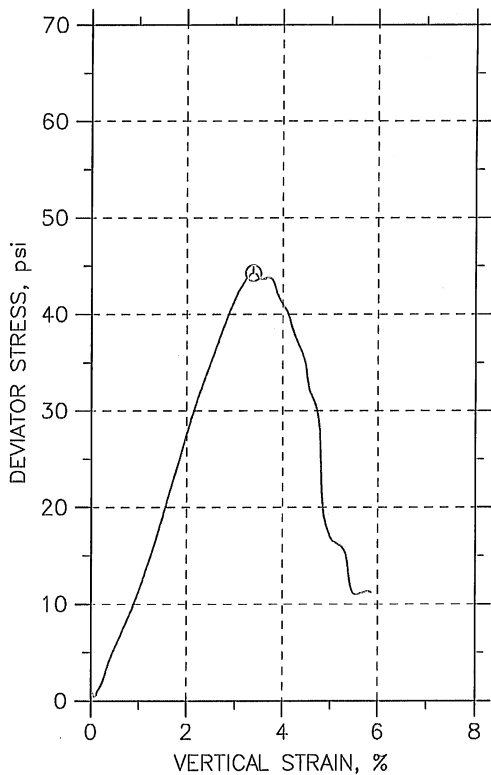
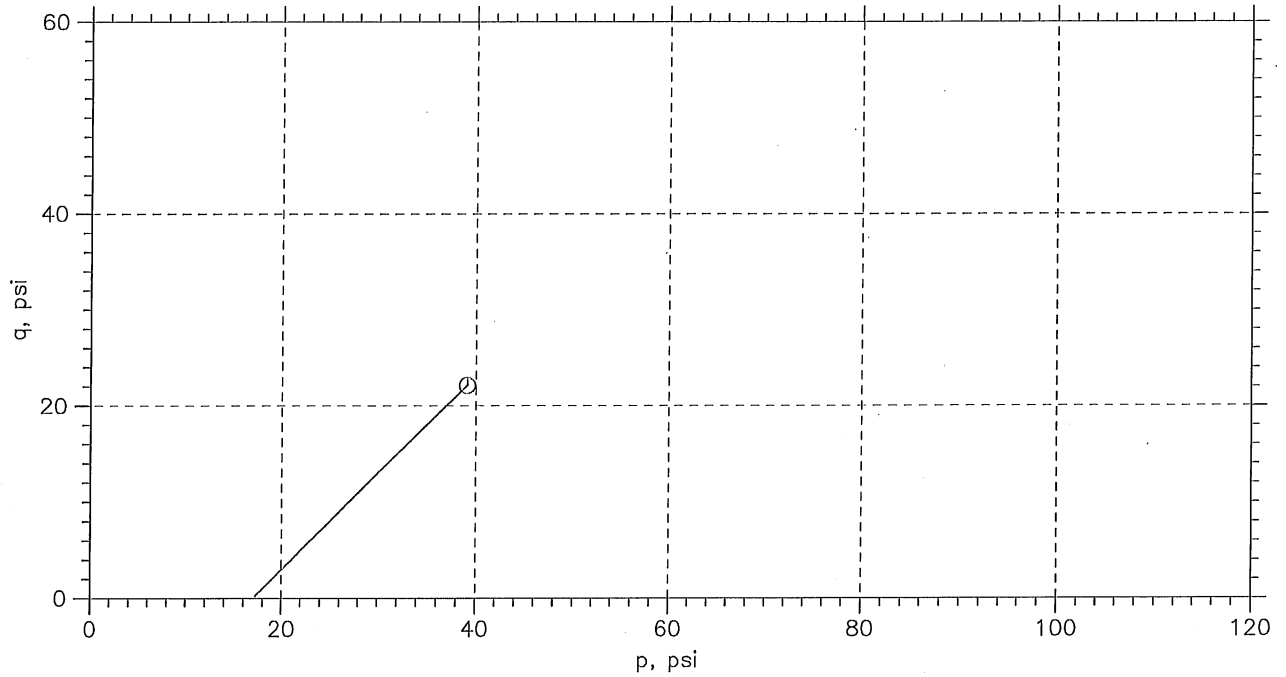


| | | | | |
|---------------------------|----------|--|--|--|
| Symbol | ⊙ | | | |
| Sample No. | GB-1 | | | |
| Test No. | 6300-uu4 | | | |
| Depth | 24 ft. | | | |
| Tested by | md | | | |
| Test Date | 11/10/05 | | | |
| Checked by | jdt | | | |
| Check Date | | | | |
| Diameter, in | 1.39 | | | |
| Height, in | 2.98 | | | |
| Water Content, % | 16.9 | | | |
| Dry Density, pcf | 115.1 | | | |
| Saturation, % | 98.4 | | | |
| Void Ratio | 0.464 | | | |
| Confining Stress, psi | 17 | | | |
| Undrained Strength, psi | 9.781 | | | |
| Max. Dev. Stress, psi | 19.56 | | | |
| Strain at Failure, % | 3.91 | | | |
| Strain Rate, %/min | 0.4 | | | |
| Measured Specific Gravity | 2.7 | | | |
| Liquid Limit | 250 | | | |
| Plastic Limit | 76 | | | |
| Plasticity Index | 174 | | | |

| | | | | | |
|-----------------|---------------------------------------|--|--|--|--|
| | Project: Former Drive and Park | | | | |
| | Location: Poughkeepsie NY | | | | |
| | Project No.: Gtx-6300 | | | | |
| | Boring No.: | | | | |
| | Sample Type: Tube | | | | |
| | Description: Moist/wet dark grey silt | | | | |
| Remarks: 100 lb | | | | | |

Phase calculations based on start and end of test.

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST by ASTM D2850

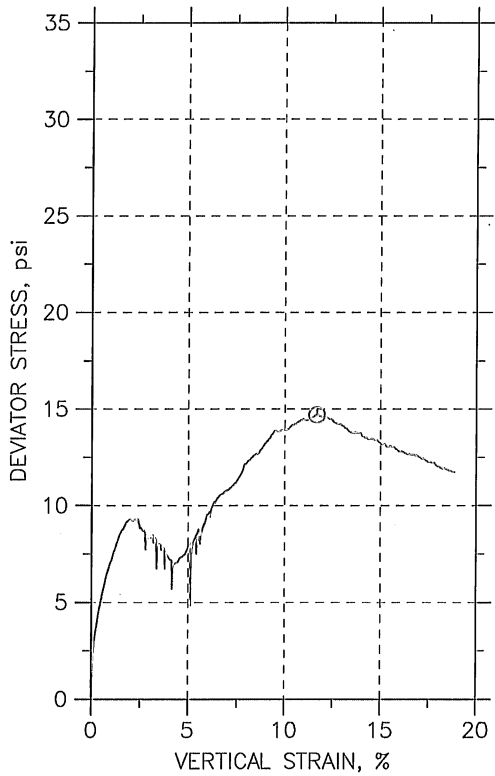
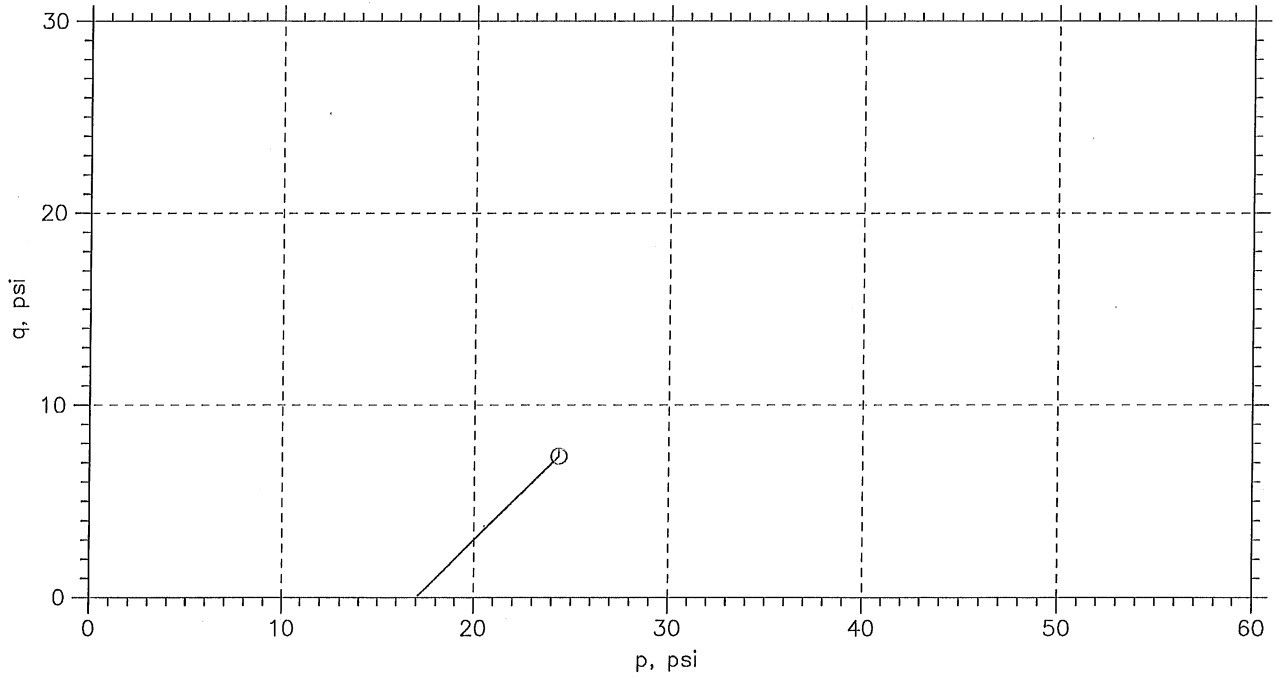


| | | | | |
|---------------------------|----------|--|--|--|
| Symbol | ⊙ | | | |
| Sample No. | GB-2 | | | |
| Test No. | 6300-uu3 | | | |
| Depth | 17.5 ft. | | | |
| Tested by | md | | | |
| Test Date | 11/10/05 | | | |
| Checked by | jdt | | | |
| Check Date | | | | |
| Diameter, in | 1.37 | | | |
| Height, in | 2.95 | | | |
| Water Content, % | 16.7 | | | |
| Dry Density, pcf | 115.8 | | | |
| Saturation, % | 99.6 | | | |
| Void Ratio | 0.45 | | | |
| Confining Stress, psi | 17 | | | |
| Undrained Strength, psi | 22.13 | | | |
| Max. Dev. Stress, psi | 44.27 | | | |
| Strain at Failure, % | 3.38 | | | |
| Strain Rate, %/min | 0.4 | | | |
| Measured Specific Gravity | 2.69 | | | |
| Liquid Limit | 35 | | | |
| Plastic Limit | 21 | | | |
| Plasticity Index | 14 | | | |

| | | | | | |
|--------------|---|--|--|--|--|
| | Project: Former Drive and Park | | | | |
| | Location: Poughkeepsie NY | | | | |
| | Project No.: GTX-6300 | | | | |
| | Boring No.: GB-2 | | | | |
| | Sample Type: Tube | | | | |
| | Description: Moist, very dark gray clay | | | | |
| Remarks: --- | | | | | |

Phase calculations based on start and end of test.

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST by ASTM D2850



| | | | | |
|---------------------------|----------|--|--|--|
| Symbol | ⊙ | | | |
| Sample No. | GB-2 | | | |
| Test No. | 6300-uu2 | | | |
| Depth | 22 ft. | | | |
| Tested by | md | | | |
| Test Date | 11/10/05 | | | |
| Checked by | jdt | | | |
| Check Date | | | | |
| Diameter, in | 1.2 | | | |
| Height, in | 3 | | | |
| Water Content, % | 8.3 | | | |
| Dry Density, pcf | 139.7 | | | |
| Saturation, % | 97.8 | | | |
| Void Ratio | 0.233 | | | |
| Confining Stress, psi | 17 | | | |
| Undrained Strength, psi | 7.349 | | | |
| Max. Dev. Stress, psi | 14.7 | | | |
| Strain at Failure, % | 11.7 | | | |
| Strain Rate, %/min | 0.4 | | | |
| Measured Specific Gravity | 2.76 | | | |
| Liquid Limit | 28 | | | |
| Plastic Limit | 16 | | | |
| Plasticity Index | 12 | | | |

| | | | | | |
|--------------|------------------------------------|--|--|--|--|
| | Project: Former Drive and Park | | | | |
| | Location: Poughkeepsie NY | | | | |
| | Project No.: GTX-6300 | | | | |
| | Boring No.: GB-2 | | | | |
| | Sample Type: Tube | | | | |
| | Description: Moist, dark gray clay | | | | |
| Remarks: --- | | | | | |

Phase calculations based on start and end of test.

APPENDIX D

Soil Parameters for Shoring Design

Subject _____

Project No. 9328.000

By ACS

Checked By _____

Task No. 13

Date 12-2-05

Date _____

File No. _____

Sheet 1 / 1 of 1

Soil Parameters For Shoring Design Poughkeepsie, New York

Sheet Pile Design - Pressure Distribution

Design Assumptions

1. Water 6 feet bgs based on first encountered water in CIB-1 10-24-05.
2. Pressure due to equipment adjacent to excavation ~ 300 psf
3. Pressure due to building < 300 psf
4. Ho conditions to minimize movement of sheet pile walls.
5. Maximum depth of excavation = 15.0 feet

Geotechnical Parameters

CIB-1

0 to 9' bgs silty sand $N=40$ $\phi' = 38^\circ$

Assume $\gamma = 120$ pcf

$$K_0 = 1 - \sin \phi' = 0.38$$

9 to 13' bgs silty sand $N=15$ $\phi' = 34^\circ$

$$K_0 = 1 - \sin \phi' = 0.44$$

13 to 16.5' bgs silty sand $N=40$ $\phi' = 38^\circ$

$$K_0 = 0.38$$

Subject _____

Project No. 9328 000

By AD

Checked By _____

Task No. 13

Date 12-2-05

Date _____

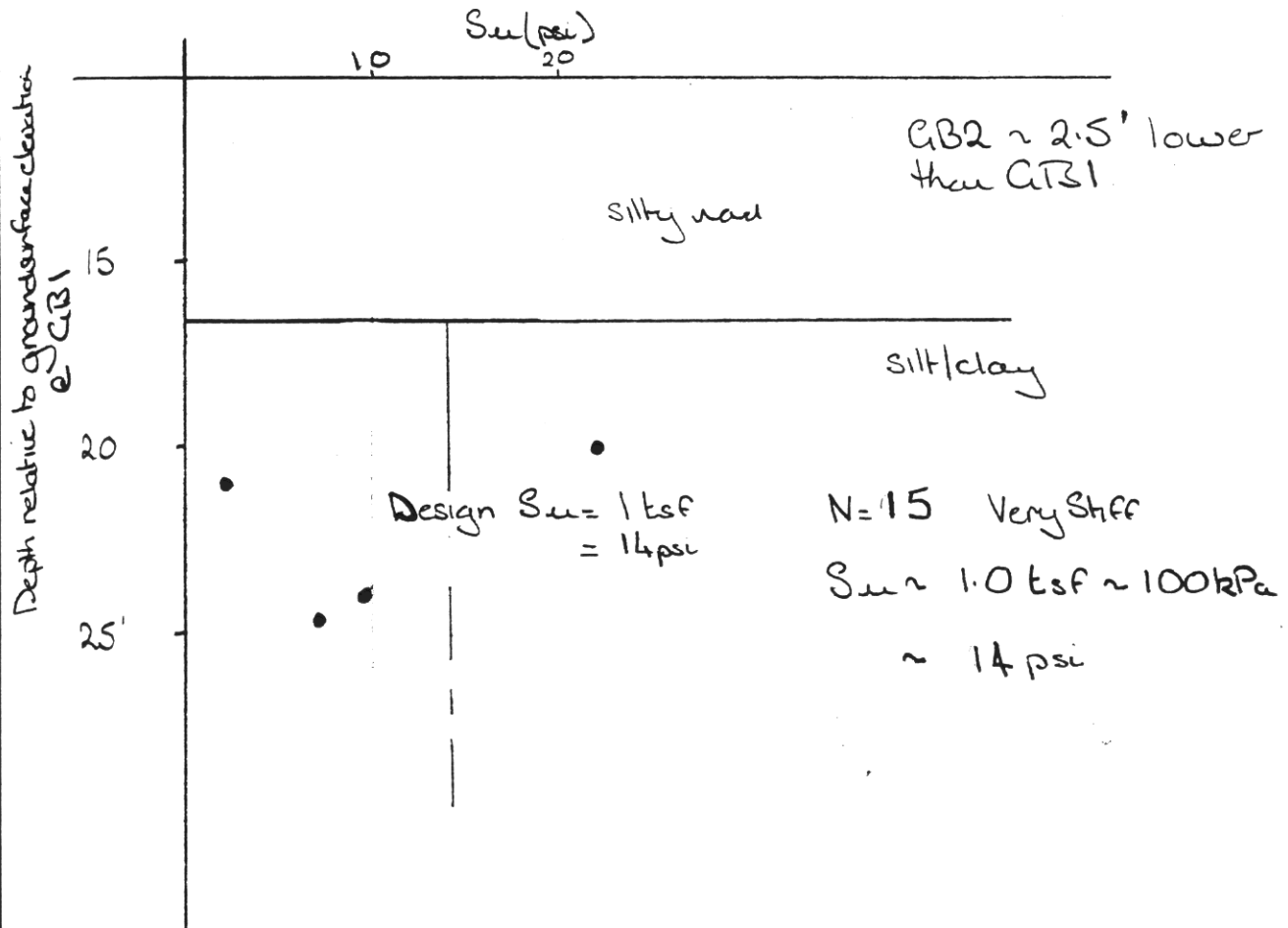
File No. _____

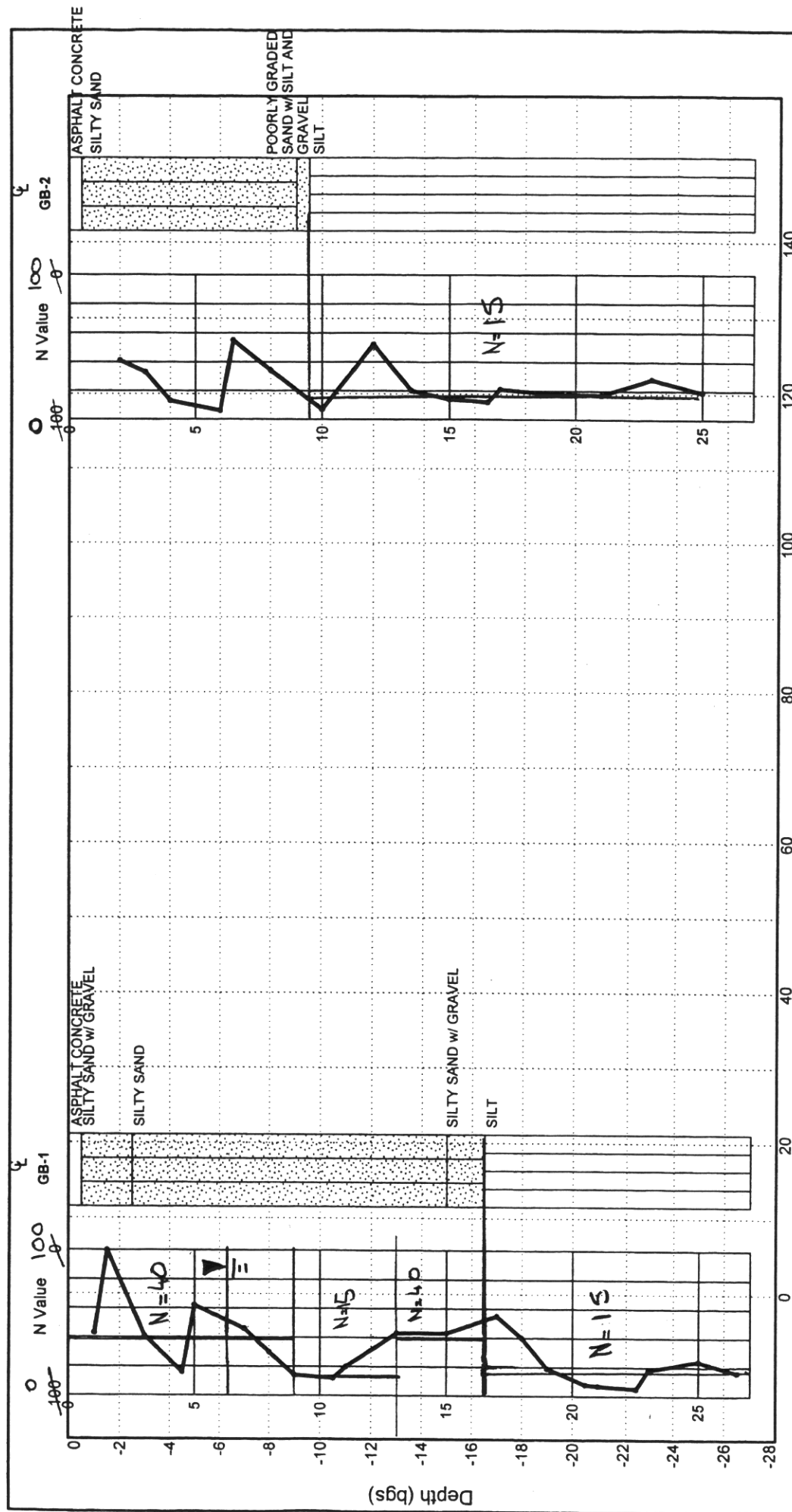
Sheet 2 / of 1

Silt/clay layer N = 20

$$\gamma_t = \gamma_d (1 + m_c)$$

| Boring | Depth | Description | mc% | γ_d pcf | S _u psi | γ_t |
|--------|-------|--------------------|------|-------------------|--------------------|------------|
| CB1 | 21' | silt (ML) | 19.8 | 104.2 | 2.118 | 125 |
| CB1 | 24' | lean clay (CL) | 16.9 | 115.1 | 9.781 | 134 |
| CB2 | 12' | silty clay (CL-ML) | - | - | - | |
| CB2 | 17.5' | silt (ML) | 16.7 | 115.8 | 22.13 | 135 |
| CB2 | 22 | lean clay (CL) | 8.3 | 109.7 | 7.349 | 151 |





Distance Along Baseline (Feet)

| Borehole | North | East | Depth (bgs) | Total Depth |
|----------|-------|------|-------------|-------------|
| GB-1 | 0 | 0 | 0.0 | 27.0 |
| GB-2 | 0 | 130 | 0.0 | 27.0 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

DISTANCES:
 Beginning 0
 Ending 140
 VIEWING ANGLES (degrees):
 Horizontal 0.0
 Vertical 0.0

| Position | North | East |
|--------------|-------|------|
| Left, Front | 0 | 0 |
| Right, Front | 0 | 140 |
| Left, Back | 0 | 0 |
| Right, Back | 0 | 140 |

3 / 5

SUBSURFACE FENCE DIAGRAM

FORMER DRIVE & PARK, INC. SITE

Poughkeepsie, New York

| | | |
|-----------|--------|-------|
| PROJECT # | DATE | PLATE |
| 9328.000 | Dec 05 | 1 |

Subject _____

Project No. 9328 000

By ACS

Checked By _____

Task No. 13

Date 12-2-05

Date _____

File No. _____

Sheet 4 of 15

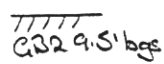
Design Profile

Depth below gnd. surface @ CTSI

0'
10'
15
20'
30'

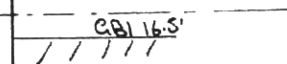


$k_{to} = 0.4$
 $\gamma = 120 \text{ pcf}$



CB2 9.5' bgs

Bottom of excavation



CB1 16.5'

$S_{uv} = 650 \text{ psf}$
 $\gamma = 130 \text{ pcf}$

using factor of safety of 3
on passive pressure.

Subject _____

Project No. 9328-000

By ACS

Checked By _____

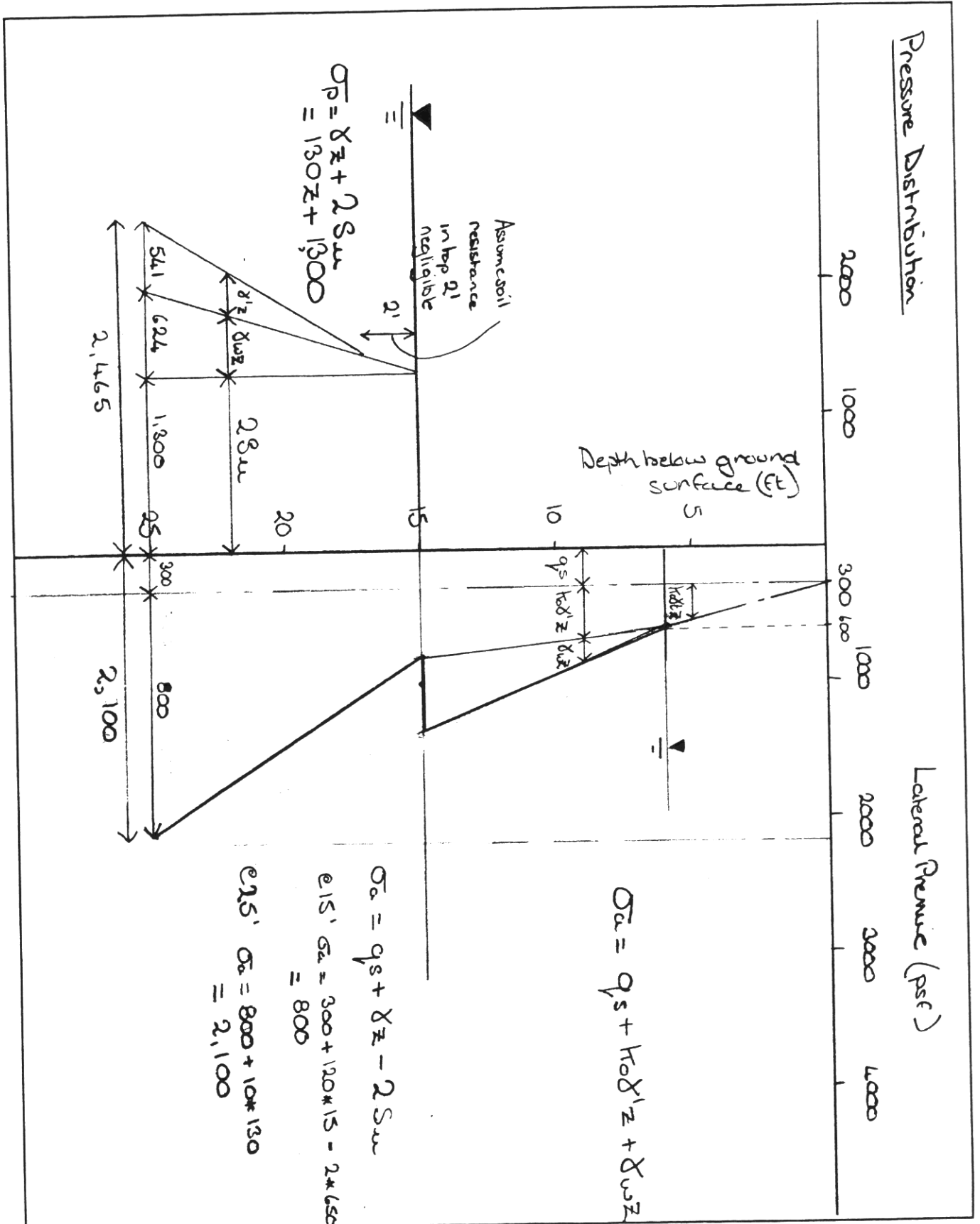
Task No. 13

Date 12-2-05

Date _____

File No. _____

Sheet 5 of 15



APPENDIX C

Soil Vapor Investigation Report

SOIL VAPOR INVESTIGATION REPORT

Former Drive & Park, Inc. Site
Brownfield Cleanup Program #314111
28 IBM Road
Town of Poughkeepsie
Dutchess County, New York

Prepared for:

Avis Rent A Car System, LLC
6 Sylvan Way
Parsippany, New Jersey 07054

September 2006

Project No. 9328.000



Geomatrix

September 5, 2006
Project 9328.000 Task 14

Michelle Tipple
Project Manager
Division of Environmental Remediation, Region 3
New York State Department of Environmental Conservation (NYSDEC)
21 South Putt Corners Road
New Paltz, NY 12561-1696

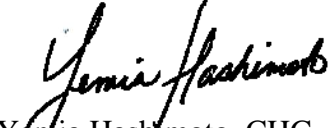
Subject: Soil Vapor Investigation Report
Former Drive & Park, Inc. Site
Brownfield Cleanup Program #314111
28 IBM Road
Town of Poughkeepsie
Dutchess County, New York

Dear Ms. Tipple:


Please find enclosed the *Soil Vapor Investigation Report*, dated September 5, 2006, for the Former Drive & Park, Inc. Site in Poughkeepsie, New York. This report was prepared by Geomatrix Consultants, Inc. on behalf of Avis Rent A Car System, LLC.

Please contact either of the undersigned if you have any questions about this report.

Sincerely yours,
GEOMATRIX CONSULTANTS, INC.



Yenia Hashimoto, CHG
Project Hydrogeologist



Edward P. Conti, C.E.G., CHG.
Principal Geologist

I:\Doc_Safe\9000s\9328\Soil Vapor Report\9328 Draft Cover Letter Soil Vapor Report.doc

Enclosure

cc: Rose Pelino, Director, Environmental Affairs, Avis Rent A Car System, LLC
Jon Brooks, Esq., Phillips Nizer
Ramarand Pergardia, New York State, Department of Environmental Conservation
Gary Litwin, New York State Department of Health

SOIL VAPOR INVESTIGATION REPORT

Former Drive & Park, Inc. Site
Brownfield Cleanup Program #314111
28 IBM Road
Town of Poughkeepsie
Dutchess County, New York

Prepared for:
Avis Rent A Car System, LLC
6 Sylvan Way
Parsippany, New Jersey 07054

Prepared by:
Geomatrix Consultants, Inc.
90 B John Muir Drive, Suite. 104
Amherst, New York 14288
(716) 565-0624

September 2006

Project No. 9328.000



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SOIL VAPOR INVESTIGATION REPORT

Former Drive & Park, Inc. Site
Brownfield Cleanup Program #314111
28 IBM Road
Town of Poughkeepsie
Dutchess County, New York

1.0 INTRODUCTION

This *Soil Vapor Investigation Report* provides the results of a soil vapor investigation conducted in the vicinity of the Former Drive & Park, Inc. Site located at 28 IBM Road in Poughkeepsie, New York (Figure 1). This work was performed by Geomatrix Consultants, Inc. (Geomatrix), on behalf of Avis Rent A Car System, LLC (Avis). Prior to conducting this soil vapor investigation, Avis submitted the *Soil Vapor Investigation Work Plan* (Geomatrix, 2005b) as Appendix B of the *Interim Remedial Measure Work Plan* (IRM Work Plan) dated November 1, 2005 (Geomatrix, 2005a).

The New York State Department of Environmental Conservation (NYSDEC) approved the *Soil Vapor Investigation Work Plan* in a November 29, 2005 letter from Michelle Tipple of the NYSDEC to Yemia Hashimoto of Geomatrix. The purpose of the soil vapor investigation was to identify whether chemicals related to the former USTs were present in subsurface vapors at the adjacent property to the south of the Former Drive & Park, Inc. Site, which includes a child care facility (144 Barnegat Road). Previous soil and groundwater investigations have shown that neither residual product in soil nor dissolved chemicals in groundwater extend beneath the child care building.

2.0 SCOPE OF WORK

The soil vapor samples were collected in general accordance with methods provided in the New York State Department of Health (NYSDOH) *Draft Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, dated February 2005. The soil vapor investigation was conducted in two phases: before and after implementation of the interim remedial measure (pre- and post-excavation). In the pre-excavation phase, conducted in November and December 2005, seven soil vapor samples (three in November and four in December) were collected from six soil vapor sampling points located in the area south and southwest of the delineated extent of petroleum constituents in soil, which is north and east of the child care

facility building located at 144 Barnegat Road (Figure 2). The post-excavation phase was conducted in May 2006, one month after completion of the interim remedial measure excavation. In the post-excavation phase, four soil vapor samples were collected from the four soil vapor sampling points that remained intact following completion of the interim remedial measure excavation. Because the soil vapor investigation area is near a building with no surrounding surface confining layer, the soil vapor sampling points were located at least 10 feet away from the building to avoid influence from the building operations, per NYSDOH guidance (NYSDOH, 2005).

The sampling activities (Section 3.0), laboratory methods and data quality review (Section 4.0), findings (Section 5.0), and conclusions (Section 6.0) of the soil vapor investigation are provided in the following sections.

3.0 SAMPLING ACTIVITIES

This section presents pre-field activities and soil vapor sampling activities.

3.1 PRE-FIELD ACTIVITIES

The pre-field activities consisted of a site visit, utility clearance, and update of the site-specific health and safety plan. Geomatrix notified Dig Safely New York, a regional utility notification center, of the planned drilling activities prior to installing the soil vapor sampling points. Drilling permits were not required for soil vapor sampling point installation activities. Geomatrix notified the property owner of the child care facility regarding the soil vapor sampling activities and confirmed that access to the soil vapor sampling point locations was permitted.

Geomatrix updated the site-specific health and safety plan (HASP) for use during the field program. All Geomatrix personnel and subcontractors had completed the OSHA 40-hour training session with the annual 8-hour refresher course prior to implementing the field program. Monitoring of the work area and perimeter was conducted in accordance with the Community Air Monitoring Plan described in the *Draft DER-10 Technical Guidance for Site Investigation and Remediation*, dated December 2002, (NYSDEC, 2002). Field air monitoring logs for photoionization detector (PID) readings are provided in Appendix A. Due to the use of hand augers to install the shallow soil vapor sampling points, only small amounts of soil were brought to the surface; consequently, potential volatile organic compound exposure was minimized.

3.2 SOIL VAPOR SAMPLING

Geomatrix retained Zebra Environmental Corporation of Lynbrook, New York, a licensed subcontractor, to install the soil vapor sampling points. To collect the soil vapor samples, soil borings were advanced using hand augers to the specified depth and temporary soil vapor sampling points were installed in the borings. The sampling methodology is described below.

3.2.1 Temporary Soil Vapor Sampling Point Installation

Temporary soil vapor sampling points were installed in open soil borings advanced using a 2-inch outside-diameter hand auger on November 29, 2005. Before use at each location, the hand auger was cleaned with Alconox® detergent and distilled water, followed by a clean potable water rinse and then a distilled-water rinse. Eight soil borings, labeled SG-1 through SG-8, were advanced to a depth estimated at 1 foot above the water table as measured in the nearest monitoring well, MW-110 (approximately 4 to 6 feet below grade in the work area). A temporary soil vapor sampling point was installed in each soil boring to the selected depths. The sampling point consisted of a 0.5-foot long stainless steel screen that included 0.3 feet of blank stainless steel casing and a bottom point attached to 1/4-inch-inside-diameter, 3/8-inch outside-diameter, polyethylene tubing. The tubing was cut to extend several inches above the ground surface. In the annular space around the screened sampling point and tubing, filter sand was placed from the bottom of the borehole to approximately 1 foot above the top of the screen. From immediately above the filter sand to a depth of 0.5 foot below ground surface (bgs), granular bentonite was placed in lifts and hydrated with distilled water, providing a minimum 1.3 feet of seal above the filter sand. An aluminum protective casing was set over the top of each soil vapor sampling point, and the extended polyethylene tubing was contained within this casing. Upon completion, the protective casing was buried under several inches of sod.

The recommended minimum seal of 3 feet above the sampling zone, as specified in the NYSDOH guidance document, was not feasible at the boring locations advanced for the soil vapor sampling points because of the high groundwater elevation in the area; however, an effort was made to provide as much seal as reasonably possible. NYSDOH was aware of these shallow sampling conditions that could affect sampling results. The soil vapor sampling point construction details are summarized in Table 1.

3.2.2 Soil Vapor Sample Collection

Prior to the start of excavation on December 26, 2005, pre-excavation soil vapor samples were collected on November 30, 2005 from soil vapor sampling points installed the previous day

(SG-5, SG-6, and SG-8). Soil vapor sampling points SG-1, SG-2, SG-3, SG-4, and SG-7 produced water during purging and could not be sampled. There had been heavy rainfall from the evening of November 29 into the morning of November 30, 2005, after the sampling point installation but before soil vapor sampling. On December 20, 2005, Geomatrix returned to collect soil vapor samples from those sampling points that could not be sampled in November. We collected soil vapor samples from soil vapor sampling points SG-1, SG-2, SG-3, and SG-5 on that day. Soil vapor sampling points SG-4 and SG-7 produced water during purging on December 20, 2005 and could not be sampled, so SG-5 was substituted.

Geomatrix collected post-excavation soil vapor samples from soil vapor sampling points SG-1, SG-2, SG-3, and SG-5 on May 3, 2006, after excavation and backfilling on the 144 Barnegat Road property was complete. Soil vapor sampling points SG-4, SG-6, SG-7, and SG-8 had been removed during excavation activities. Following soil vapor sampling of SG-1, SG-2, SG-3, and SG-5, these temporary soil vapor sample points were removed on June 21, 2006, by removing the sample point tubing and allowing the annular contents to collapse within the borehole.

The purging and sampling procedures used during the sampling events are described below.

Purging

At each soil vapor sampling point, a vapor volume equal to or greater than 1.5 times the total volume of the borehole was purged prior to sampling. The volume of each borehole was calculated as $\pi r^2 h$, where π is 3.14, r is the radius of the borehole (2 inches, 5.08 cm), and h is the total depth of the borehole. To purge vapor from the borehole, approximately 5 feet of flexible silicone tubing was attached to the top of the soil vapor sampling point tubing and connected to a SKC Model 222-3 air pump calibrated to 100 milliliters per minute (ml/min), +/-5 ml/min, using a DryCal DC-Lite flow meter. The ground surface at each soil vapor sampling point was covered with a 4-foot-square piece of plastic sheeting and weighted down to remain flush to the ground surface. Using silicone tubing, helium was released beneath the plastic sheeting into the area above the soil vapor sampling point as a tracer vapor for leak detection. While the pump was purging the soil vapor sampling point, the pump exhaust was screened for helium with the appropriate helium gas detector equipment. In November and December 2005, a Mini Gas Leak Detector (Gow-Mac Model 21-050) was used, and in May 2006 a Dielectric Technologies Model MGD-2002 was used. Both detectors were factory calibrated prior to use, with helium detection capabilities below the 20% as required by the

NYSDOH guidance. The pump exhaust was also screened for volatile organic compounds (VOCs) using a Thermo Environmental 580B organic vapor monitor equipped with a photoionization detector (PID) with an 11.7 eV lamp. The PID was calibrated daily using a 100 parts per million (ppm) isobutylene gas standard. The helium and PID detector results are provided in Table 2.

Sampling

Once the appropriate volume of vapor was purged from the soil vapor sampling point, the plastic sheeting was removed. Individually certified SUMMA® air canisters were used to collect the soil vapor samples. The vacuum in each SUMMA® canister was recorded (Table 2), and a laboratory-provided regulator was attached to each SUMMA® canister and connected to the tubing of the soil vapor sampling point. For the sampling event conducted on November 30, 2005, silicone tubing was used to connect the soil vapor sampling point to the SUMMA® canister. The 3/8-inch OD silicone tubing was slipped over the 3/8-inch OD, 1/4-inch ID well tubing, forming a tight seal, and then connected to the regulator on the SUMMA® canister by pushing the silicone tubing over the regulator intake. During the December 20, 2005 and May 3, 2006, sampling events, the soil vapor sampling point tubing was connected to the SUMMA® canister with Teflon-lined tubing. The 1/4-inch-ID Teflon-lined tubing was connected to the soil vapor sampling point by slipping it inside the soil vapor sampling point tubing and placing a 2-inch long piece of silicone tubing sheath around the connection. The Teflon tubing was connected to the regulator using a ferrule connection. New, dedicated tubing and ferrules were used for each soil vapor sampling point and sampling event.

Once the soil vapor sampling point was connected to the SUMMA® canister, the valve on the canister was opened until the valve moved freely, and then it was tightened 1/4-turn. The canister collected soil vapor for approximately 20 minutes, until the gauge on the regulator indicated approximately 5 inches of vacuum. The valve was then closed and the regulator was removed.

SUMMA® canisters were labeled with the soil vapor sampling point name, and the canister number was recorded on the sample chain-of-custody form.

3.2.3 Ambient Air Sample Collection

Ambient air samples were collected during the soil vapor sampling events. On November 30, 2005, one ambient air sample was collected approximately 25 feet northwest of soil vapor sampling point SG-8, in the upwind direction. The sample was collected by connecting the SUMMA® canister to a regulator followed by approximately 18 inches of silicone tubing. The sample was collected over a 20-minute period. The intake line was approximately 20 inches above the ground surface.

On December 20, 2005, an ambient air sample was collected from the same location as the November ambient air sample, as well as from a second location approximately 40 feet south-southwest of soil vapor sampling point SG-1. At the start of the day this was an upwind location, but the wind shifted, blowing from the northwest during the day. Ambient air samples were collected from each location on December 20, 2006, over a 20-minute period. A second sample was collected from the November ambient air sample location over a 7-hour period. The longer-duration sample was connected to an 8-hour regulator, but air vacuum readings on the regulator were below 5 inches of mercury after 7 hours, and the sampling was stopped. The December 20, 2006 ambient air samples were collected using approximately 20 inches of Teflon tubing, with the intake approximately 30 inches above the ground surface.

On May 6, 2006, one 8-hour ambient air sample was collected from approximately 20 feet northwest of soil vapor sample point SG-5, upwind from the sample locations. The ambient air sample was collected using approximately 20 inches of Teflon tubing, with the intake approximately 30 inches above the ground surface. It should be noted that the property adjacent to the north (the former Drive & Park, Inc. Site) was being repaved during most of the time that this ambient air sample was collected.

The locations of the ambient air samples are shown on Figure 2.

3.2.4 Waste Management

Following installation of the vapor probes in 2005, approximately 3 gallons of wash water and a 2-gallon bucket of soil cuttings were contained and stored temporarily at the Former Drive & Park, Inc. Site in a secure location prior to disposal in conjunction with excavated soil disposal in January 2006. No soil or wash water waste was produced from soil vapor sampling conducted in December 2005 or May 2006.

3.2.5 Data Recording and Management

Field measurements were recorded on field sample logs (Appendix A) and are provided in Table 2. The field sample logs include the project name, sample date, sample start and finish time, sample location (GPS coordinates), SUMMA® canister serial number, flow controller serial number, initial vacuum reading, and final vacuum reading. Readings from the PID and helium detector screening of purged vapors are also recorded on the field sample logs.

Barometric conditions were recorded during soil vapor sampling. Hourly records from the Dutchess County Airport in Poughkeepsie (approximately 2.5 miles southeast of the sample point locations) are included with the field sample logs in Appendix A. During the December 20, 2005 sampling event, barometric conditions were also recorded at the temporary on-site weather station, north of the soil vapor sampling points. Temperature, wind speed and direction, and barometric pressure are provided in Appendix A and in Table 2.

4.0 LABORATORY METHODS AND DATA QUALITY REVIEW

4.1 LABORATORY METHODS

Samples were delivered under chain-of-custody procedures to Air Toxics Ltd. of Folsom, California, a New York National Environmental Laboratory Approval Program (NELAP)-certified laboratory (NY NELAP-11291). The soil vapor samples were analyzed for volatile organic compounds using United States Environmental Protection Agency (USEPA) method TO-15. The primary chemicals of potential concern for the Former Drive & Park, Inc. Site are benzene, toluene, ethylbenzene, xylenes, and methyl tert-butyl ether, based on previous investigations and section 2.9.1 of the NYSDOH soil vapor intrusion guidance document (NYSDOH, 2005). When possible, the requested method detection limits for volatile organic compounds were 0.1 microgram per liter ($\mu\text{g/L}$) or lower, per NYSDOH guidance

Copies of the laboratory analytical reports and sample chain-of-custody records are included in Appendix B.

4.2 DATA QUALITY REVIEW

Geomatrix reviewed the quality assurance and quality control (QA/QC) procedures and assessed the quality of the analytical results by evaluating the precision, accuracy, and completeness of the data. Data quality was reviewed using *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review* (USEPA, 1999).

The QA/QC procedures included analysis of one trip blank per day and at least one ambient air sample per day, laboratory control sample/laboratory control sample duplicates (LCS/LCSD), surrogate spikes, and method blanks. The data review included a data completeness check of each data package, a transcription check for sample results, and a review of all laboratory reporting forms. As a result of the review, some data were qualified as estimated (“J” or “UJ” flagged) or rejected as unusable (“R” flagged) due to instrument calibration range exceedances. Only one compound, 1,2,4-trichlorobenzene, was rejected as unusable. The compound 1,2,4-trichlorobenzene was rejected in the six samples submitted for analysis in May 2006; 1,2,4-trichlorobenzene was not detected in these six samples. Because 1,2,4-trichlorobenzene had not been detected in any samples collected in November or December 2005, it is presumed that the compound was likely not detected in the samples collected in May 2006, despite the data being rejected for laboratory calibration range exceedances.

For all compounds, the results of the review are provided as flags on the laboratory data sheets in Appendix B. For compounds detected in at least one sample, the data review flags are also reflected in the data summary table (Table 3). All other quality assurance data met their respective acceptance criteria. Overall, the results of the QA/QC review indicate that the test results are valid and useable, except for the “R” flagged data.

5.0 FINDINGS

The soil vapor samples were collected prior to and following implementation of the interim remedial measure excavation; two sampling events occurred pre-excavation and one sampling event occurred post-excavation. The results are provided in Table 3. Results for all three sampling events indicate that compounds present in ambient air were also detected in soil vapor samples, suggesting that ambient air contributed to the detection of some compounds in the soil vapor. Without this contribution from ambient air, we believe that soil vapor concentrations of some compounds would have been lower or not detected. Although helium leak detection was conducted and indicated that the seal of the soil vapor sampling points was adequate prior to sample collection, ambient air appears to have influenced the sample results. Short-circuiting of ambient air into the samples is not unexpected, because the soil vapor probes were installed at less than the optimum depth (3.5 feet below ground surface) needed to minimize ambient air interferences. In some cases, concentrations of petroleum-related chemicals were higher than the ambient air concentrations; however, the concentrations of these chemicals detected in soil vapor were below screening criteria published by the United States Environmental Protection Agency (USEPA, 2002).

5.1 FIRST PRE-EXCAVATION SAMPLING

The first pre-excavation sample collection event occurred on November 30, 2005, within 24 hours of a significant rain event. Rain can fill near-surface soil pores and create conditions that are not optimum for collecting representative soil vapor samples. Soil vapor samples were collected at three soil vapor sampling points that did not contain water in the sample point screen (SG-5, SG-6, and SG-8) in an attempt to obtain data prior to the excavation in the event that none of the locations could be sampled during a subsequent event. One ambient air sample was collected. The chemical analysis results are summarized in Table 3. Based on those results we conclude the following:

- Compounds unrelated to a petroleum hydrocarbon source from the Former Drive & Park, Inc. Site, specifically acetone, 1,3-dichlorobenzene, ethanol, and 2-propanol, were measured at elevated concentrations that were not detected or were significantly lower (30 to 4,000 times) in subsequent samples. Similar concentrations of 1,3-dichlorobenzene, ethanol, and 2-propanol were also present in the ambient air sample, and the laboratory reporting limit for acetone in the ambient air sample was similar to the concentration of acetone measured in the soil vapor samples. Based on comparison to subsequent sampling, these results suggest some form of sample interference.
- The elevated concentrations of 2-propanol and ethanol elevated the laboratory reporting limits for all chemicals; the results for the majority of the chemicals were non-detect.
- Because of the apparent significant interferences from ambient air and the elevated laboratory reporting limits in the soil vapor samples, these results are not useful for evaluating potential subsurface soil vapor conditions. Consequently, a second round of pre-excavation soil vapor sampling was conducted; those results are discussed in Section 5.2.

5.2 SECOND PRE-EXCAVATION SAMPLING

The second sample collection event occurred on December 20, 2005; four soil vapor samples and three ambient air samples were collected. The chemical analysis results are summarized in Table 3. Based on those results we conclude the following:

- Several compounds (benzene, acetone, chloromethane, Freon 11, and Freon 12) were detected in the soil vapor samples and were also present in ambient air samples at similar concentrations.
- Several compounds, both petroleum and non-petroleum related, were detected at low concentrations (near the laboratory reporting limit), but were not detected in

ambient air (2-butanone, carbon disulfide, chloroform, cyclohexane, 1,1-dichloroethane, ethyl benzene, m,p-xylene, and methylene chloride). The differences between the detected concentrations and the laboratory reporting limits for ambient air were not sufficiently large to rule out an ambient source.

- Ethanol, 2-propanol, and tetrachloroethylene were detected at a concentration at least three times the ambient air concentrations in samples collected from sample point SG-2. The concentrations of ethanol and 2-propanol were significantly lower (at least 300 times) than in the November 2005 sampling event. While ethanol is a fuel additive, it is not considered a site-related chemical of potential concern based on the likely period that the release from the former USTs at the Former Drive & Park, Inc. Site occurred and has not been included as an analyte in soil or groundwater. The compound 2-propanol has also not been included as an analyte in soil or groundwater analyses at the Former Drive & Park, Inc. Site. Tetrachloroethylene was not detected in the November 2005 soil vapor sampling event. Tetrachloroethylene was detected only once during sampling near the former USTs, in monitoring well MW-8 in 2004 (located 120 feet upgradient of the former USTs and 360 feet from the soil vapor sampling locations). The detection of 0.27 ug/L trichloroethylene was considered an estimate due to laboratory quality control exceedance. Tetrachloroethylene was non-detect (less than 1 ug/L) in well MW-8 in the other two sample events that included analysis of this constituent. In addition, tetrachloroethylene is not a gasoline constituent. Consequently, detections of these compounds in soil vapor are not considered to be related to the former USTs at the Former Drive & Park, Inc. Site.
- Toluene and hexane, which are petroleum-related compounds, were detected at soil vapor sampling points at concentrations above the ambient air concentration measured. Toluene was detected up to an order of magnitude above the ambient air concentration in samples collected from soil vapor points SG-1, SG-2, SG-3, and SG-5. Hexane was detected in samples from soil vapor points SG-1 and SG-3, approximately five to 17 times higher than the ambient air laboratory reporting limit. These results suggest that a petroleum hydrocarbon source may be impacting subsurface soil vapor measurements at these locations.

Other than toluene and hexane, compounds detected in soil vapor samples are either present at concentrations near the laboratory reporting limit for ambient air, are present at similar concentrations in ambient air samples, or are unrelated to the former petroleum hydrocarbon source at the Former Drive & Park, Inc. Site. Based on soil vapor sample results for chemicals other than toluene and hexane, it appears that the soil vapor measurements may be influenced by ambient air concentrations or a soil vapor source(s) unrelated to the former petroleum hydrocarbon source at the Former Drive & Park, Inc. Site.

Concentrations of chemicals detected in soil vapor were compared to USEPA screening values for shallow soil vapor (less than 5 feet below ground surface) for potential vapor intrusion into residences, provided in Table 2C of the *OSWER Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance)* (USEPA, 2002). These are the most conservative screening criteria published by USEPA based on generic rather than site-specific assumptions.

Toluene and hexane concentrations are orders of magnitude lower than the USEPA screening levels. For those non-petroleum-related compounds with screening values for comparison¹, chloroform and tetrachloroethylene were the only compounds detected at concentrations exceeding the USEPA screening levels. It is possible that the chloroform exceedance is related to irrigation of the lawn by tap water or the presence of a nearby septic system, as chloroform is a ubiquitous byproduct of the chlorination process. The source of tetrachloroethylene is unknown, but is unrelated to the former USTs at the Former Drive & Park, Inc. Site based on soil and groundwater data and was detected at slightly lower concentrations in subsequent soil vapor sampling. Of importance to note is that sample points SG-2 and SG-3 are located 10 to 15 feet south of the child care facility's septic system leach field, sample points SG-7 and SG-8 are located within 10 to 15 feet of a septic system dry well, and sample points SG-5 and SG-6 are located within 5 to 10 feet of PVC piping connected to the septic system dry well.

5.3 POST-EXCAVATION SAMPLING

The third sample collection event, conducted on May 3, 2006, provided data from the same four soil vapor sample points sampled on December 20, 2005. During this sampling event, the Former Drive & Park, Inc. Site, generally crosswind of the soil vapor sample points, was being paved with asphalt. The analysis results are summarized in Table 3. Based on these results, we conclude the following:

- More compounds were detected in the soil vapor samples and in the ambient air samples than in the previous sampling event. The following compounds were detected in soil vapor at concentrations consistent with or lower than the ambient air detection: benzene, ethylbenzene, m,p-xylenes, o-xylenes, acetone, 2-butanone, chloromethane, cyclohexane, 1,4-dichlorobenzene, ethanol, freon 11, freon 12, heptane, methylene chloride, 2-propanol, styrene, 1,2,4-trimethylbenzene, 1,1,1-trichloroethane, and tert-butyl alcohol).

¹ Screening levels for some compounds that are not included in Table 2c of the USEPA guidance were estimated using the attenuation factor of 0.1 used in Table 2c and ambient air preliminary remediation goals published by USEPA, Region 9.

- Carbon disulfide, 1,1,1-trichloroethane, and tetrachloroethylene were detected at low concentrations near their laboratory reporting limits, but were not detected in ambient air. The differences between the detected concentrations and the laboratory reporting limits for ambient air were not sufficiently large to rule out an ambient source. Carbon disulfide was detected once previously in groundwater on the 144 Barnegat Road property, in a groundwater sample collected from monitoring well MW-111 (located downgradient of the soil vapor sampling points near the child care facility's leach field) in 2005 at 0.7 ug/L. That one result was detected below the laboratory reporting limit and is considered an estimate. 1,1,1-trichloroethane has been analyzed in soil and groundwater samples collected at the Former Drive & Park, Inc. Site and on the 144 Barnegat Road property, but has not been detected. Tetrachloroethylene was detected once in a groundwater sample collected from monitoring well MW-8 (located upgradient of the former USTs at the Former Drive & Park, Inc. Site) in 2003 at 0.27 ug/L. That one result was detected below the laboratory reporting limit and is considered an estimate.
- Carbon tetrachloride and chloroform, which are not petroleum-related compounds, were detected at concentrations at least an order of magnitude above the ambient air laboratory reporting limits in soil vapor sampling points (SG-1 for carbon tetrachloride and SG-1, SG-2, and SG-5 for chloroform). These results suggest that a non-petroleum source(s) may be impacting subsurface soil vapor measurements. Carbon tetrachloride was detected in one sample (SG-1) at 2.4 parts per billion by volume (ppbv). Carbon tetrachloride has not been detected in soil or groundwater samples collected at the Former Drive & Park, Inc. Site or the 144 Barnegat Road property and has not been detected in previous soil vapor samples collected at 144 Barnegat Road. Chloroform concentrations were higher at SG-1 in May 2006 (14 ppbv) than in December 2005 (1.9 ppbv). Chloroform was detected at similar concentrations in SG-5 and the detected concentration in SG2 in May 2006 (0.17 ppbv) was similar to the laboratory reporting limit in December 2005 (less than 0.15 ppbv). Chloroform has not been detected in soil and groundwater samples at the Former Drive & Park, Inc. Site or the 144 Barnegat Road property. Use of tap water for irrigation or the presence of a nearby septic system leach field may explain these results.
- Toluene, cumene, and hexane, which are petroleum-related compounds, were detected in at least one soil vapor sampling point clearly above their laboratory reporting limit and/or their ambient air concentrations. 1,3,5-trimethylbenzene, also a petroleum-related compound, was detected in three soil vapor sampling points at low concentrations near the laboratory reporting limit, but was not detected in ambient air. Toluene was detected in four soil vapor samples with one soil vapor sample (38 ppbv) approximately four times higher than the detection in ambient air (8.7 ppbv) and the other detections ranging from 6.2 to 11 ppbv. Cumene was detected in two soil vapor samples (both 1.0 ppbv) approximately five times higher than the laboratory reporting limit in ambient air (0.24 ppbv). Hexane was detected in three samples (up to 54 ppbv) at least four times higher than the laboratory

reporting limit in ambient air (less than 1.2 ppbv). These results suggest that a petroleum hydrocarbon source(s) may be impacting subsurface soil vapor measurements. The concentration of toluene at sampling point SG-3 was ten times higher than the concentration at sampling point SG-3 prior to excavation in December 2005. Cumene was not detected in pre-excavation samples collected in December 2005, but the post-excavation concentrations were similar to the laboratory reporting limits for the December sampling event. Hexane was detected in samples collected from soil vapor sampling points in December 2005 and May 2006 at similar concentrations (ranging from 4.1 to 19 ppbv), with the exception of SG-3, which was detected at a higher concentration in the May 2006 event (54 ppbv). 1,3,5-trimethylbenzene was detected in samples collected from three soil vapor sampling points at low concentrations near their laboratory reporting limit, but was not detected in ambient air. 1,3,5 trimethylbenzene has historically been detected in monitoring wells at the Former Drive & Park, Inc. Site and at the 144 Barnegat Road property.

Other than toluene, hexane, cumene, and 1,3,5-trimethylbenzene, compounds detected in soil vapor samples are either present at concentrations near their laboratory reporting limit, present at similar concentrations to ambient air samples, or are unrelated to the petroleum hydrocarbon source at the site. The concentrations of toluene, hexane, cumene, and 1,3,5-trimethylbenzene suggest potential influence from a petroleum hydrocarbon source.

The concentrations of toluene, hexane, cumene, 1,3,5 trimethylbenzene and all other petroleum-related chemicals detected in the soil vapor were well below USEPA screening levels for residential site use for shallow soil vapor or an equivalent screening level (U.S. EPA, 2002, see Section 5.2). For those non-petroleum-related compounds with screening levels for comparison, carbon tetrachloride and chloroform were the only compounds detected in May 2006 at concentrations exceeding the USEPA screening levels. The screening levels are included in Table 3.

6.0 CONCLUSIONS

Soil vapor sampling was conducted to identify whether petroleum-related compounds associated with the former USTs at the Former Drive & Park, Inc. Site are present in soil vapor in the vicinity of the child care facility building at 144 Barnegat Road. Both petroleum and non-petroleum related compounds were detected in some soil vapor samples at concentrations sufficiently higher than ambient air concentrations to suggest a subsurface soil vapor source or sources. However, the source or sources responsible for the detections of petroleum and

non-petroleum related compounds in the soil vapor samples appear to be unrelated to the Former Drive & Park, Inc. Site.

Compounds present in soil or groundwater can serve as sources of constituents detected in soil vapor. However, based on the soil sampling performed prior to and following completion of the interim remedial measure excavation at 144 Barnegat Road and based on groundwater chemical analysis data from the monitoring well adjacent to the child care facility building (well MW-110), soil and groundwater in the vicinity of the child care facility building are not impacted by petroleum related compounds from the former USTs at the Former Drive & Park, Inc. Site. Several non-petroleum related compounds were detected above ambient air concentrations in soil vapor samples; however, these non-petroleum related compounds are not associated with the Former Drive & Park, Inc. Site. The Former Drive & Park, Inc. Site is not a known source of non-petroleum related compounds in soil and groundwater.

The low concentrations of petroleum-related compounds detected are well below applicable USEPA human health screening levels for residential land use, which are applicable to a child care facility, indicating potential exposure to these chemicals would not result in adverse health effects. In addition, since soil and groundwater in the vicinity of the child care facility building are not impacted by petroleum-related compounds associated with the Former Drive & Park, Inc. Site, the low concentrations of petroleum-related compounds detected in soil vapor are apparently not related to the Former Drive & Park, Inc. Site. Therefore, we recommend no further soil vapor sampling for petroleum-related compounds in the vicinity of the child care facility.

7.0 REFERENCES

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Geomatrix Consultants, 2005b, *Soil Vapor Work Plan*, 28 IBM Road, Poughkeepsie, New York, October.

New York State Department of Environmental Conservation (NYSDEC), 2002, *Draft DER-10 Technical Guidance for Site Investigation and Remediation*, December 25.

New York State Department of Health (NYSDOH), 2005, *Guidance for Evaluating Soil Vapor Intrusion in the State of New York - Public Comment Draft*, February.

U.S. Environmental Protection Agency (USEPA), 1999, *Contract Laboratory Program National Functional Guidelines for Organic Data Review*, Office of Emergency and Remedial Response, October.

USEPA, 2002, *OSWER Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance)*, November (EPA530-D-02-004).

USEPA, 2004, *Preliminary Remediation Goals*, Region 9, October.

TABLES

TABLE 1
SOIL VAPOR SAMPLING POINT CONSTRUCTION

Former Drive & Park, Inc. Site
28 IBM Road
Poughkeepsie, New York

All depths are listed in feet below ground surface

| Sample Location | Depth of Borehole | Screened Interval | Depth to Filter Sand | Seal Interval |
|------------------------|--------------------------|--------------------------|-----------------------------|----------------------|
| SG-1 | 3.6 | 2.9 - 3.4 | 2 | 0.5 - 2 |
| SG-2 | 3.7 | 3 - 3.5 | 2 | 0.5 - 2 |
| SG-3 | 4.0 | 3 - 3.5 | 2 | 0.5 - 2 |
| SG-4 | 3.0 | 2.3 - 2.8 | 1.8 | 0.5 - 1.8 |
| SG-5 | 5.5 | 4.8 - 5.3 | 3 | 0.5 - 3 |
| SG-6 | 4.0 | 3.3 - 3.8 | 2 | 0.5 - 2 |
| SG-7 | 4.0 | 3.3 - 3.8 | 2 | 0.5 - 2 |
| SG-8 | 3.5 | 2.75 - 3.25 | 2 | 0.5 - 2 |

Notes and Abbreviations:

Soil vapor sampling points installed November 29, 2005 using hand auger by Zebra Environmental Corporation of Lynbrook, New York.

Soil vapor sampling points destroyed June 21, 2006 by Geomatrix Consultants, Inc. by removing tubing and allowing borehole to collapse.

TABLE 2
SUMMARY OF SOIL VAPOR INVESTIGATION SAMPLE COLLECTION DATA
 Former Drive & Park, Inc. Site,
 28 IBM Road
 Poughkeepsie, New York

| Sample ID | Collection Date | Time | | Sample Location | | Purge ¹ | | | Canister | | | | Soil Conditions | Atmospheric Conditions ² | | | | Misc. | |
|----------------|-----------------|------------------|-------------------|---------------------|---------------------|------------------------------|-----------------------------------|--------------------------------|---|--|------------------------|-------------------------------|-------------------------------|-------------------------------------|------------------------------|---------------------|-------------------|--------------------------|--------------------|
| | | Start Collection | Finish Collection | GPS Location (UTM) | Sample Depth (feet) | Soil Vapor Purge Volume (ml) | Volume Soil Vapor Extracted (ft3) | PID Reading ³ (ppm) | Pre-sample Canister Vacuum (inches of Hg) | Post-sample Canister Vacuum (inches of Hg) | Canister Serial Number | Flow Controller Serial Number | Apparent Moisture Content (%) | Windspeed and Direction | Ambient Temperature (deg. F) | Barometric Pressure | Relative Humidity | Helium Test ⁴ | Chain-of-Custody # |
| SG-5-113005 | 11/30/2005 | 11:33 | 12:00 | 4610846N, 588388 E | 4.8 - 5.3 bgs | 2,007 | 2231 | 0 | -26.5 | -5 | 33787 | FC00887 | 90% (heavy rain prev. night) | 9 mph NW | 66 | 29.88 | 71% | Pass | 1 |
| SG-6-113005 | 11/30/2005 | 12:36 | 13:06 | 4610840 N, 588388 E | 3.3 - 3.8 bgs | 1,460 | 1735 | 0 | >-30 | -7 | 34438 | FC00343 | 90% (heavy rain prev. night) | 10 mph NW | 61 | 29.89 | 74% | Pass | 1 |
| SG-8-113005 | 11/30/2005 | 13:48 | 14:12 | 4610856 N, 588400 E | 2.75 - 3.25 bgs | 1,278 | 1611 | 0 | -28 | -4 | 33910 | FC00408 | 90% (heavy rain prev. night) | 11 mph NW | 59 | 29.92 | 71% | Pass | 1 |
| AMB-113005 | 11/30/2005 | 13:30 | 14:00 | 4610859 N, 588399 E | 1.7 ags | Not Applicable / Ambient Air | | | -31 | -7 | 424 | FC0082 | 90% (heavy rain prev. night) | 11 mph NW | 61 | 29.92 | 71% | NA | 1 |
| 8-AMB-1-122005 | 12/20/2005 | 9:38 | 16:28 | 4610859 N, 588399 E | 2.5 ags | Not Applicable / Ambient Air | | | -23 | -1 | 34421 | FC00776 | Frozen | 194 to 268 degrees | 28 - 32 | 29.82 - 29.84 | 31.7-44.9% | NA | 2 |
| 8-AMB-2-122005 | 12/20/2005 | 9:37 | 16:30 | 4610859 N, 588399 E | 2.5 ags | Not Applicable / Ambient Air | | | -21.5 | -1 | 33666 | FC00365 | Frozen | 194 to 268 degrees | 28 - 32 | 29.82 - 29.84 | 31.7-44.9% | NA | 2 |
| SG-2-122005 | 12/20/2005 | 11:50 | 12:21 | 4610832 N, 588382 E | 3 - 3.5 bgs | 1350 | 2388 | 0 | -21.5 | -8 | 94952 | FC00888 | Frozen | 239 degrees | 28 | 29.84 | 34.7% | Pass | 2 |
| SG-3-122005 | 12/20/2005 | 13:49 | 14:09 | 4610843 N, 588387 E | 3 - 3.5 bgs | 1533 | 1777 | 0 | -22 | -4.5 | 34733 | FC00290 | Frozen | 194 degrees | 30 | 29.83 | 31.7% | Pass | 2 |
| AMB-3-122005 | 12/20/2005 | 15:07 | 15:28 | 4610859 N, 588399 E | 2.5 ags | Not Applicable / Ambient Air | | | -20 | -2 | 4098 | FC0047 | Frozen | 198 degrees | 31.8 | 29.82 | 34.9% | NA | 2 |
| AMB-4-122005 | 12/20/2005 | 15:09 | 15:30 | 4610859 N, 588399 E | 2.5 ags | Not Applicable / Ambient Air | | | -20.5 | -2 | 25238 | FC00593 | Frozen | 198 degrees | 31.8 | 29.82 | 34.9% | NA | 2 |
| SG-5-122005 | 12/20/2005 | 16:45 | 16:02 | 4610846N, 588388 E | 4.8 - 5.3 bgs | 2007 | 2142 | 0 | -20.5 | -6 | 9576 | FC00155 | Frozen | 198 degrees | 32 | 29.82 | 39.2% | Pass | 2 |
| SG-1-122005 | 12/20/2005 | 16:35 | 16:53 | 4610827 N, 588379 E | 2.9 - 3.4 bgs | 1314 | 1700 | 0 | -21 | -5 | 33874 | FC00371 | Frozen | 268 degrees | 29 | 29.83 | 44.9% | Pass | 2 |
| 8-AMB-050306 | 5/3/2006 | 10:40 | 15:30 | NA | 2.5 ags | Not Applicable / Ambient Air | | | -31 | -18.5 | 10795 | FC00836 | Moist | 5 -10 mph NW | 62 - 65 | 29.81 - 29.85 | 50 - 58% | NA | 3 |
| SG-5-050306 | 5/3/2006 | 11:18 | 12:10 | 4610846N, 588388 E | 4.8 -5.3 bgs | 2007 | 2120 | 2.4 | -27 | -2 | 25260 | FC00087 | 10-15% | 5-10 mph NW | 65 | 29.85 | 58% | Pass | 3 |
| SG-3-050306 | 5/3/2006 | 12:31 | 12:58 | 4610843 N, 588387 E | 3 -3.5 bgs | 1533 | 1640 | 3.3 | -26 | -5 | 34394 | FC00717 | 10-15% | 5-10 mph NW | 65 | 29.83 | 54% | Pass | 3 |
| SG-2-050306 | 5/3/2006 | 13:05 | 13:38 | 4610832 N, 588382 E | 3 -3.5 bgs | 1350 | 1570 | 0.6 | -31 | -5 | 20994 | FC00402 | 10-15% | 5 mph NW | 65 | 29.81 | 54% | Pass | 3 |
| SG-1-050306 | 5/3/2006 | 14:40 | 15:15 | 4610827 N, 588379 E | 2.9 - 3.4 bgs | 1314 | 2223 | 0.6 | -30 | -5 | NA | NA | 10-15% | 10 mph NW | 65 | 29.81 | 50% | Pass | 3 |

Notes:

¹ Purge volume = 1.5π r² h . Purge volume is in cubic feet. R is radius in feet, h is height (in feet) from bottom of borehole

² Atmospheric measurement: www.weather.com November 30, 2006; on-site weather station December 20, 2006; www.weatherunderground.com May 3, 2006

³ A portable vacuum pump purged 2 to 3 volumes of air from the vapor probe and sampling line at rate of approximately 100 mL/min.

Organic vapor levels were measured with a Thermo Environmental 580B organic vapor meter containing an 11.7 electron volt lamp photoionization detector (PID) 100 ppm isobutylene standard for additional information.

⁴ Helium gas was measured with a portable helium monitoring device - a Minigas Leak detector Gow-Mac Model 21-050 in 2005 and a Dielectric MGD-2002 in 2006.

If helium gas was observed, the sample point seal was enhanced to reduce the infiltration of ambient air. The NYSDOH Guidance states that if >20% tracer gas is observed seal enhancement is required.

Abbreviations:

ags = above ground surface

bgs = below ground surface

NA = not applicable or not available.

TABLE 3
SUMMARY OF SOIL VAPOR ANALYTICAL RESULTS

Former Drive & Park, Inc. Site
28 IBM Road
Poughkeepsie, New York

All results in part per billion by volume (ppbv)

| Sample Identification Number | Sample Location | Date Collected | Collection Duration (hours) | Petroleum-Related Constituents | | | | | | | | | | | |
|------------------------------------|------------------------------|----------------|-----------------------------|--------------------------------|------------|-------------|---------------|------------|-------------|------------|-------------|------------------------|------------------------|-------------|------------|
| | | | | Benzene | Cumene | Cyclohexane | Ethyl Benzene | Hexane | Heptane | Styrene | Toluene | 1,2,4-Trimethylbenzene | 1,3,5-Trimethylbenzene | m,p-Xylene | o-Xylene |
| SG-5-113005 | SG-5 | 11/30/2005 | 0.5 | <86 | <430 | <430 | <86 | <430 | <430 | <86 | <86 | <86 | <86 | <86 | <86 |
| SG-6-113005 | SG-6 | 11/30/2005 | 0.5 | <90 | <450 | <450 | <90 | <450 | <450 | <90 | <90 | <90 | <90 | <90 | <90 |
| SG-8-113005 | SG-8 | 11/30/2005 | 0.5 | <74 | <370 | <370 | <74 | <370 | <370 | <74 | <74 | <74 | <74 | <74 | <74 |
| AMB-113005 | Northwest of SG-8 (upwind) | 11/30/2005 | 0.5 | <88 | <440 | <440 | <88 | <440 | <440 | <88 | <88 | <88 | <88 | <88 | <88 |
| SG-1-122005 | SG-1 | 12/20/2005 | 0.5 | <0.21 | <1.0 | 1.2 | 0.25 | 16 | <1.0UJ | <0.21 | 6.1 | <0.21 | <0.21 | 0.29 | <0.21 |
| SG-2-122005 | SG-2 | 12/20/2005 | 0.5 | 0.35 | <0.76 | <0.76 | 0.28 | <0.76 | <0.76UJ | <0.15 | 1.5 | <0.15 | <0.15 | 0.42 | <0.15 |
| SG-3-122005 | SG-3 | 12/20/2005 | 0.5 | <0.21 | <1.0 | <1.0 | <0.21 | 4.5 | <1.0UJ | <0.21 | 3.8 | <0.21 | <0.21 | 0.26 | <0.21 |
| SG-5-122005 | SG-5 | 12/20/2005 | 0.5 | 0.24 | <1.2 | <1.2 | <0.23 | <1.2 | <1.2UJ | <0.23 | 2.6 | <0.23 | <0.23 | 0.47 | <0.23 |
| 8-AMB-1-122005 | Cancelled | 12/20/2005 | 8 | | | | | | | | | | | | |
| 8-AMB-2-122005 | Southeast of SG-1 (downwind) | 12/20/2005 | 8 | 0.32 | <0.78 | <0.78 | <0.16 | <0.78 | <0.78UJ | <0.16 | 0.18 | <0.16 | <0.16 | <0.16 | <0.16 |
| AMB-3-122005 | Northwest of SG-8 (upwind) | 12/20/2005 | 0.5 | 0.24 | <0.92 | <0.92 | <0.18 | <0.92 | <0.92UJ | <0.18 | 0.64 | <0.18 | <0.18 | <0.18 | <0.18 |
| AMB-4-122005 | Southeast of SG-1 (downwind) | 12/20/2005 | 0.5 | 0.19 | <0.92 | <0.92 | <0.18 | <0.92 | <0.92UJ | <0.18 | 0.34 | <0.18 | <0.18 | <0.18 | <0.18 |
| SG-1-050306 | SG-1 | 5/3/2006 | 0.5 | 0.19 | 1.0 | 10 | 5.9 | 19 | 1.1 | 12 | 7.7 | 0.45 | 0.16 | 14 | 6.8 |
| SG-2-050306 | SG-2 | 5/3/2006 | 0.5 | 0.2 | 1.0 | 10 | 6.0 | <0.8 | 0.92 | 12 | 6.2 | 0.48 | 0.18 | 15 | 7.1 |
| SG-3-050306 | SG-3 | 5/3/2006 | 0.5 | 0.26 | <0.18 | 12 | 4.9 | 54 | 1.1 | 7.4 | 38 | 0.50 | 0.18 | 12 | 5.4 |
| SG-5-050306 | SG-5 | 5/3/2006 | 0.5 | 0.24 | <0.19 | 7.9 | 4.8 | 4.1 | 1.1 | 8.6 | 11 | 0.43 | <0.19 | 12 | 5.4 |
| SG-5-050306 Dup | SG-5 | 5/3/2006 | 0.5 | <0.94 | <0.94 | 7.6 | 4.7 | <4.7 | <4.7 | 7 | 10 | <0.94 | <0.94 | 11 | 5.1 |
| 8AMB-050306 | North of SG-5 (upwind) | 5/3/2006 | 8 | 0.53 | <0.24 | 16 | 6.7 | <1.2 | 1.4 | 11 | 8.7 | 0.43 | <0.24 | 16 | 7.2 |
| Screening Level¹ | | | | 0.98 | 810 | 18000 | 2500 | 570 | NA | 2300 | 11000 | 12 | 12 | 16000 | 16000 |

TABLE 3
SOIL VAPOR ANALYTICAL RESULTS

Former Drive & Park, Inc. Site
28 IBM Road
Poughkeepsie, New York

All results in part per billion by volume (ppbv)

| Sample Identification Number | Sample Location | Date Collected | Collection Duration (hours) | Non-petroleum Related Constituents | | | | | | | | | | | | | | | | |
|------------------------------------|------------------------------|----------------|-----------------------------|------------------------------------|------------|------------------|----------------------|-------------|----------------|----------------------|----------------------|---------------------|-------------|-------------|-------------|--------------------|-----------------|--------------------|------------------------|--------------------|
| | | | | Acetone | 2-Butanone | Carbon Disulfide | Carbon Tetrachloride | Chloroform | Chloro-methane | 1,3-Dichloro-benzene | 1,4-Dichloro-benzene | 1,1-Dichloro-ethane | Ethanol | Freon 11 | Freon 12 | Methylene chloride | 2-Propanol | Tert-Butyl alcohol | 1,1,1-Trichloro-ethane | Tetrachloro-ethene |
| SG-5-113005 | SG-5 | 11/30/2005 | 0.5 | 660 | <430 | <430 | <86 | <86 | <86 | 84J | <86 | <86 | 7700 | <86 | <86 | <170 | 110,000J | NA | <86 | <86 |
| SG-6-113005 | SG-6 | 11/30/2005 | 0.5 | 1200 | <450 | <450 | <90 | <90 | <90 | <90 | <90 | <90 | 7500 | <90 | <90 | <180 | 120,000J | NA | <90 | <90 |
| SG-8-113005 | SG-8 | 11/30/2005 | 0.5 | <370 | <370 | <370 | <74 | <74 | <74 | <74 | <74 | <74 | 3300 | <74 | <74 | <150 | 60,000J | NA | <74 | <74 |
| AMB-113005 | Northwest of SG-8 (upwind) | 11/30/2005 | 0.5 | <440 | <440 | <440 | <88 | <88 | <88 | 96 | <88 | <88 | 3600 | <88 | <88 | <180 | 62,000J | NA | <88 | <88 |
| SG-1-122005 | SG-1 | 12/20/2005 | 0.5 | 4.1 | <1.0 | <1.0 | <0.21 | 1.9 | <0.21 | <0.21 | <0.21 | <0.21 | 3.4 | <0.21 | 0.29 | 0.40J | <1.0 | NA | <0.21 | <0.21 |
| SG-2-122005 | SG-2 | 12/20/2005 | 0.5 | 18 | <0.76 | <0.76 | <0.15 | <0.15 | 0.48 | <0.15 | <0.15 | 0.19 | 10 | 0.24 | 0.26 | 0.44 | 32 | NA | <0.15 | 1.4 |
| SG-3-122005 | SG-3 | 12/20/2005 | 0.5 | 6.6 | 1.8 | 1.2 | <0.21 | <0.21 | 0.27 | <0.21 | <0.21 | <0.21 | 1.4 | <0.21 | 0.29 | <0.41 | <1.0 | NA | <0.21 | 0.99 |
| SG-5-122005 | SG-5 | 12/20/2005 | 0.5 | 2.4 | <1.2 | <1.2 | <0.23 | 0.63 | <0.23 | <0.23 | <0.23 | <0.23 | 3.7 | <0.23 | 0.28 | <0.46 | <1.2 | NA | <0.23 | 0.36 |
| 8-AMB-1-122005 | Cancelled | 12/20/2005 | 8 | | | | | | | | | | | | | | | | | |
| 8-AMB-2-122005 | Southeast of SG-1 (downwind) | 12/20/2005 | 8 | 7.5 | <0.78 | <0.78 | <0.16 | <0.16 | 0.67 | <0.16 | <0.16 | 0.17 | 2.4 | 0.24 | 0.29 | <0.31 | <0.78 | NA | <0.16 | 0.44 |
| AMB-3-122005 | Northwest of SG-8 (upwind) | 12/20/2005 | 0.5 | 1.6 | <0.92 | <0.92 | <0.18 | <0.18 | 0.63 | <0.18 | <0.18 | <0.18 | 2.6 | 0.24 | 0.33 | <0.37 | <0.92 | NA | <0.18 | <0.18 |
| AMB-4-122005 | Southeast of SG-1 (downwind) | 12/20/2005 | 0.5 | 2.5 | <0.92 | <0.92 | <0.18 | <0.18 | 0.56 | <0.18 | <0.18 | <0.18 | 1.5 | 0.22 | <0.18 | <0.37 | <0.92 | NA | <0.18 | <0.18 |
| SG-1-050306 | SG-1 | 5/3/2006 | 0.5 | 4.1 | <0.78 | <0.78 | 2.4 | 14 | 0.16 | <0.16 | 5.0 | <0.16 | <0.78 | 0.31 | 0.3 | <0.78 | 1.1 | 7.9J | 0.18 | 0.33 |
| SG-2-050306 | SG-2 | 5/3/2006 | 0.5 | 5.8 | <0.80 | <0.80 | <0.16 | 0.17 | <0.16 | <0.16 | 5.6 | <0.16 | <0.80 | 0.31 | 0.52 | 0.52 | 0.93 | 13J | <0.16 | 0.59 |
| SG-3-050306 | SG-3 | 5/3/2006 | 0.5 | 16 | 1.9 | 1.5 | <0.18 | <0.18 | <0.18 | <0.18 | 8.5 | <0.18 | 1.6 | 0.34 | 0.45 | 0.46 | 1.5 | 10J | <0.18 | 0.79 |
| SG-5-050306 | SG-5 | 5/3/2006 | 0.5 | 8.7 | <0.94 | <0.94 | <0.19 | 0.82 | <0.19 | <0.19 | 4.5 | <0.19 | <0.94 | 0.36 | 0.53 | <0.37 | 1.0 | 8.5J | <0.19 | 0.66 |
| SG-5-050306 Dup | SG-5 | 5/3/2006 | 0.5 | 9.1 | <4.7 | <4.7 | <0.94 | <0.94 | <0.94 | <0.94 | 4.3 | <0.94 | <4.7 | <0.94 | <0.94 | <1.9 | <4.7 | <19UJ | <0.94 | <0.94 |
| 8AMB-050306 | North of SG-5 (upwind) | 5/3/2006 | 8 | 38 | 1.6 | <1.2 | <0.24 | <0.24 | 0.82 | <0.24 | 7.2 | <0.24 | 82 | 0.29 | 0.57 | 0.91 | 6.2 | 30J | <0.24 | <0.24 |
| Screening Level¹ | | | | 1500 | 17000 | 2200 | 0.26 | 0.22 | 460 | 170 | 1300 | 1200 | NA | 1300 | 420 | 15 | NA | NA | 4000 | 1.2 |

Notes and Abbreviations:

¹ Screening level from United States Environmental Protection Agency (U.S. EPA) Target Shallow Soil Gas values from Table 2C in the November 2002 OSWER Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance), (EPA530-D-02-004). The soil gas screening value for ethyl benzene, 2-butanone, chloromethane, freon 11, and freon 12 were not included in Table 2C and were estimated using the attenuation factor of 0.1 used in Table 2C and ambient air preliminary remediation goals published by USEPA, Region 9.

< = Not detected at or above the laboratory reporting limit shown

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

"**BOLD**" = Concentration detected at or above laboratory reporting limit.

NA = Not available. An EPA screening value does not exist for this compound.

Only those compounds detected in at least one sample at or above the laboratory reporting limit are shown.

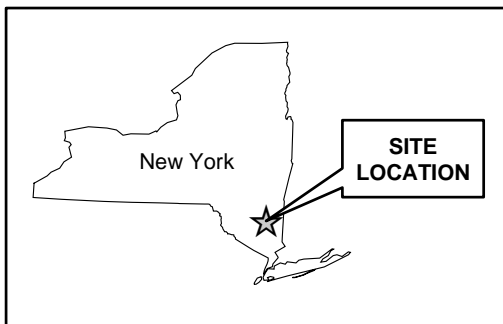
Analysis of sample 8-AMB-1-122005 was cancelled because the sample container was compromised upon extraction of the sample at the laboratory.

Samples analyzed by Air Toxics of Folsom, California by EPA Method TO-15.

FIGURES



Basemap from U.S.G.S. Poughkeepsie, New York (1982)
7.5' topographic quadrangle.



0 2,000 4,000 Feet

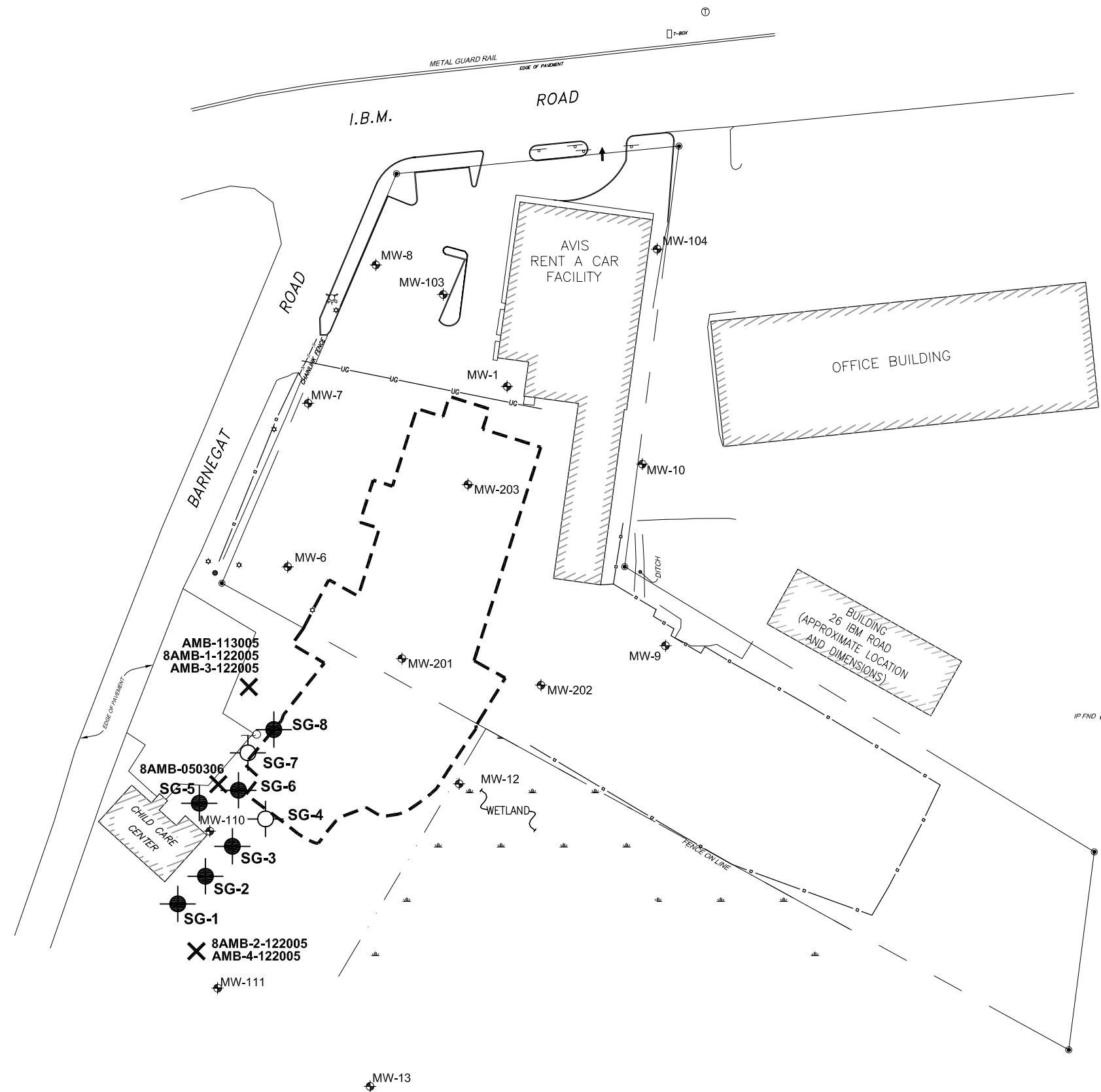
SITE LOCATION MAP
Former Drive & Park, Inc. Site
28 IBM Road
Poughkeepsie, New York

| | | |
|--------|----------------|----------------------|
| By: YH | Date: 08/09/06 | Project No. 9328.000 |
|--------|----------------|----------------------|






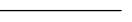
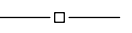




Figure **1**

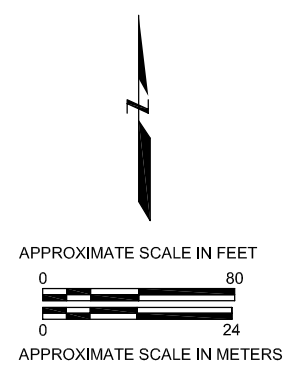
Plot Date: 08/09/06 - 1:16pm. Plotted by: dsaulsbury
 Drawing Path: S:\9300\9328\9328.000\Task_18106_0623_s.vit, Drawing Name: fig_02.dwg



LEGEND

-  Soil vapor sampling point location.
-  Soil vapor sampling point installed, but not sampled.
-  Ambient air sampling location.
-  Monitoring well.
-  Extent of excavation.
-  Property boundary line.
-  Fence.
-  Light pole.
-  Federally designated wetland.

NOTE:
 Soil vapor sampling location SG-4 and SG-7 could not be sampled due to water within the sample screen.



SOIL VAPOR SAMPLING LOCATIONS
 Former Drive & Park, Inc. Site
 28 IBM Road
 Poughkeepsie, New York

By: YH Date: 08/09/06 Project No. 9328.000



Figure 2

APPENDIX A

Field Documentation



HEALTH & SAFETY PID MONITORING

Project Name: FERNER DRIVE PARK

Project Number: 9326

Soil VAPOR WELL INSTALLATION

Date: 4/29/05

Measured by: D. A. P. C.

PID MEASUREMENTS

Concentrations in ppm

| Location: _____ | | Location: _____ | | Location: _____ | |
|-----------------|-------------|-----------------|-------------|-----------------|-------------|
| Time | Measurement | Time | Measurement | Time | Measurement |
| 9:30 | 0.0 @ 56-1 | | | | |
| 9:45 | 0.0 @ 56-1 | | | | |
| 9:50 | 0.0 @ 56-2 | | | | |
| 10:15 | 0.0 @ 56-2 | | | | |
| 10:25 | 0.0 @ 56-3 | | | | |
| 10:40 | 0.0 @ 56-3 | | | | |
| 11:00 | 0.0 @ 56-4 | | | | |
| 11:15 | 0.0 @ 56-4 | | | | |
| 11:35 | 0.0 @ 56-5 | | | | |
| 11:50 | 0.0 @ 56-5 | | | | |
| 12:00 | 0.0 @ 56-6 | | | | |
| 12:15 | 0.0 @ 56-6 | | | | |
| 12:30 | 0.0 @ 56-7 | | | | |
| 12:50 | 0.0 @ 56-7 | | | | |
| 13:20 | 0.0 @ 56-6 | | | | |
| 14:00 | 0.0 @ 56-6 | | | | |
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HEALTH & SAFETY PID MONITORING

Project Name: FURMIR DRIVE + PARIC Project Number: 93246

Date: 5/13/06 Measured by: DAVE RILL

PID MEASUREMENTS

Concentrations in ppm

| Location: <u>TAKEN ON DAY CARE</u> | | Location: _____ | | Location: _____ | |
|------------------------------------|-------------|-----------------|-------------|-----------------|-------------|
| <u>PROPERTY.</u> | | | | | |
| Time | Measurement | Time | Measurement | Time | Measurement |
| 10 ³⁰ | 0.0 | | | | |
| 11 ⁰⁰ | 0.0 | | | | |
| 11 ¹⁵ | 0.0 | | | | |
| 11 ⁴⁵ | 0.0 | | | | |
| 12 ⁰⁰ | 0.0 | | | | |
| 12 ³⁰ | 0.0 | | | | |
| 12 ³⁰ | 0.0 | | | | |
| 12 ⁵⁰ | 0.0 | | | | |
| 13 ¹⁰ | 0.0 | | | | |
| 13 ³⁰ | 0.0 | | | | |
| 14 ⁰⁰ | 0.0 | | | | |
| 14 ²⁰ | 0.0 | | | | |
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HEALTH & SAFETY PID MONITORING

Project Name: FORNER DRIVE + PARS Project Number: 9328

Date: 11/30/06 Measured by: DAVE RICE

PID MEASUREMENTS

Concentrations in ppm

| Location: _____ | | Location: _____ | | Location: _____ | |
|-----------------|--------------------|-----------------|-------------|-----------------|-------------|
| Time | Measurement | Time | Measurement | Time | Measurement |
| 11:00 | 0.0 | | | | |
| 11:30 | 0.0 | | | | |
| 11:45 | 0.0 | | | | |
| 12:00 | 0.0 | | | | |
| 12:15 | 0.0 | | | | |
| 12:30 | 0.0 0.0 | | | | |
| 13:00 | 0.0 | | | | |
| 13:30 | 0.0 | | | | |
| 13:45 | 0.0 | | | | |
| 14:00 | 0.0 | | | | |
| 14:15 | 0.0 | | | | |
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HEALTH & SAFETY PID MONITORING

Project Name: FORMER DRIVE & PARK Project Number: 9328

Date: 12/20/06 Measured by: D. Avirine

PID MEASUREMENTS

Concentrations in ppm

| Location: <u>DAY CARE PROPERTY</u> | | Location: _____ | | Location: _____ | |
|------------------------------------|-------------|-----------------|-------------|-----------------|-------------|
| Time | Measurement | Time | Measurement | Time | Measurement |
| 9:15 | 0.0 | | | | |
| 9:30 | 0.0 | | | | |
| 10:00 | 0.0 | | | | |
| 10:30 | 0.0 | | | | |
| 11:00 | 0.0 | | | | |
| 11:30 | 0.0 | | | | |
| 12:00 | 0.0 @ 56-2 | | | | |
| 12:30 | 0.0 @ 56-2 | | | | |
| 13:30 | 0.0 @ 56-3 | | | | |
| 14:00 | 0.0 | | | | |
| 14:15 | 0.0 @ 56-3 | | | | |
| 14:45 | 0.0 | | | | |
| 15:00 | 0.0 | | | | |
| 15:30 | 0.0 | | | | |
| 15:45 | 0.0 | | | | |
| 16:15 | 0.0 | | | | |
| 16:30 | 0.0 | | | | |
| 16:45 | 0.0 | | | | |



History for Poughkeepsie, New York on Wednesday, November 30, 2005

Jump to data by:

Date: November 30 2005 Airport Code:

Latest visited Airport Codes: [KPOU](#)

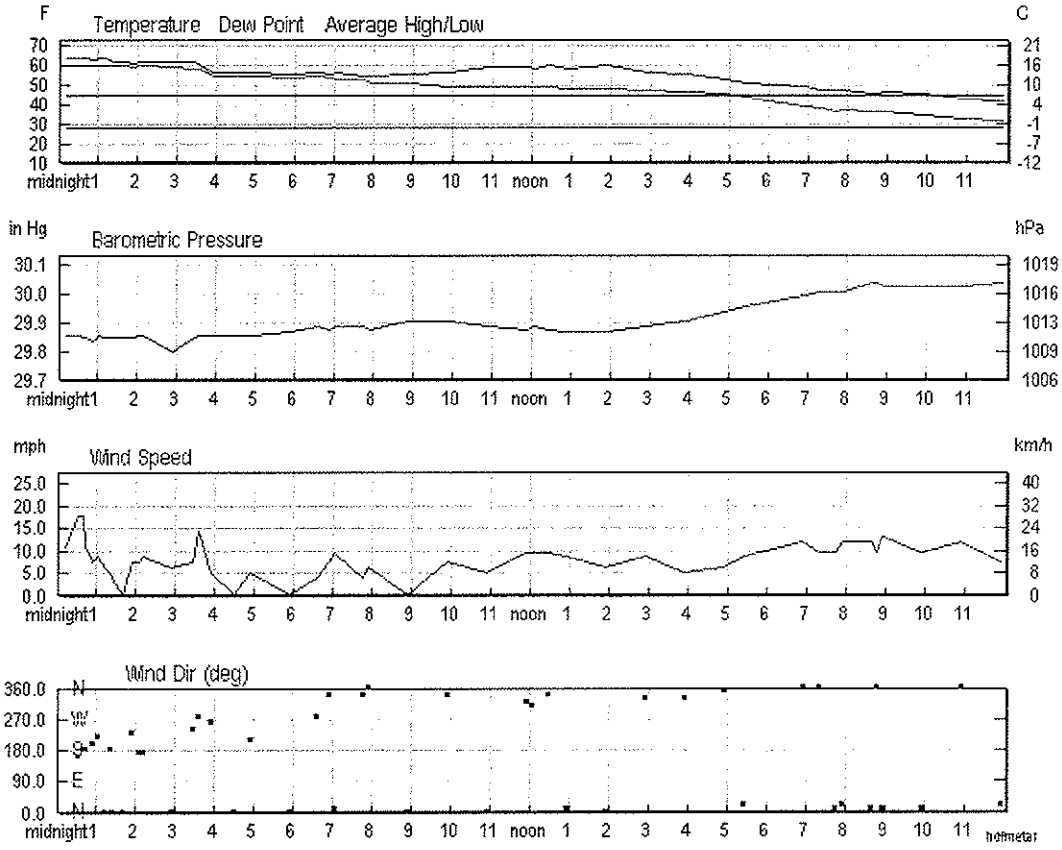
[« Previous Day](#) **Daily** | [Weekly](#) | [Monthly](#) | [Custom](#) | [Trip Planner](#) | [Next Day »](#)

Daily Summary

| | Actual | Average | Record |
|---------------------------------|-------------------------|---------------|-----------------------|
| Temperature | | | |
| Mean Temperature | 52 °F / 11 °C | - | |
| Max Temperature | 62 °F / 16 °C | 44 °F / 6 °C | 66 °F / 18 °C (2001) |
| Min Temperature | 41 °F / 5 °C | 27 °F / -2 °C | 14 °F / -10 °C (1967) |
| Degree Days | | | |
| Heating Degree Days | 13 | | |
| Growing Degree Days 2 (Base 50) | | | |
| Moisture | | | |
| Dew Point | 54 °F / 12 °C | | |
| Average Humidity | 83 | | |
| Maximum Humidity | 94 | | |
| Minimum Humidity | 64 | | |
| Precipitation | | | |
| Precipitation | 1.24 in / 3.15 cm | - | - 0 |
| Sea Level Pressure | | | |
| Sea Level Pressure | 29.85 in / 1011 hPa | | |
| Wind | | | |
| Wind Speed | 11 mph / 18 km/h (NW) | | |
| Max Wind Speed | 17 mph / 27 km/h | | |
| Max Gust Speed | 29 mph / 47 km/h | | |
| Visibility | 8 miles / 12 kilometers | | |
| Events | Rain | | |

Averages and records for this station are not official NWS values.

Key: T is trace of precipitation, MM is missing value
 Source: NWS Daily Summary
 Seasonal Weather Averages







Show full METARS (help) - Comma Delimited File


| Time (EST) | Temperature | Dew Point | Humidity | Sea Level Pressure | Visibility | Wind Direction | Wind Speed | Gust Speed | Precipitation | Events | Conditions |
|------------|-------------------|-------------------|----------|-----------------------|----------------------------|----------------|----------------------|----------------------|------------------|--------|------------|
| 12:12 AM | 62.6 °F / 17.0 °C | 59.0 °F / 15.0 °C | 88% | 29.85 in / 1010.7 hPa | 2.5 miles / 4.0 kilometers | SSW | 10.4 mph / 16.7 km/h | 20.7 mph / 33.3 km/h | 0.10 in / 0.3 cm | Rain | Rain |
| 12:31 AM | 62.6 °F / 17.0 °C | 59.0 °F / 15.0 °C | 88% | 29.85 in / 1010.7 hPa | 1.5 miles / 2.4 kilometers | SSE | 17.3 mph / 27.8 km/h | 27.6 mph / 44.4 km/h | 0.38 in / 1.0 cm | Rain | Heavy Rain |
| 12:39 | 62.6 °F / | 59.0 °F / | | 29.84 in / | 1.2 miles / | | 17.3 mph / | 28.8 mph / | 0.51 in / | | |

| | | | | | | | | | | | |
|----------|-------------------|-------------------|-----|-----------------------|------------------------------|----------|----------------------|----------------------|------------------|------|------------|
| AM | 17.0 °C | 15.0 °C | 88% | 1010.4 hPa | 2.0 kilometers | South | 27.8 km/h | 46.3 km/h | 1.3 cm | Rain | Heavy Rain |
| 12:43 AM | 62.6 °F / 17.0 °C | 59.0 °F / 15.0 °C | 88% | 29.84 in / 1010.4 hPa | 2.0 miles / 3.2 kilometers | South | 10.4 mph / 16.7 km/h | 28.8 mph / 46.3 km/h | 0.54 in / 1.4 cm | Rain | Heavy Rain |
| 12:53 AM | 62.1 °F / 16.7 °C | 59.0 °F / 15.0 °C | 90% | 29.83 in / 1009.9 hPa | 3.0 miles / 4.8 kilometers | SSW | 6.9 mph / 11.1 km/h | - | 0.57 in / 1.4 cm | Rain | Rain |
| 1:01 AM | 62.6 °F / 17.0 °C | 59.0 °F / 15.0 °C | 88% | 29.85 in / 1010.7 hPa | 2.5 miles / 4.0 kilometers | SW | 8.1 mph / 13.0 km/h | - | 0.04 in / 0.1 cm | Rain | Heavy Rain |
| 1:12 AM | 62.6 °F / 17.0 °C | 59.0 °F / 15.0 °C | 88% | 29.84 in / 1010.4 hPa | 1.2 miles / 2.0 kilometers | Variable | 5.8 mph / 9.3 km/h | - | 0.18 in / 0.5 cm | Rain | Heavy Rain |
| 1:21 AM | 60.8 °F / 16.0 °C | 59.0 °F / 15.0 °C | 94% | 29.84 in / 1010.4 hPa | 2.0 miles / 3.2 kilometers | South | 4.6 mph / 7.4 km/h | - | 0.24 in / 0.6 cm | Rain | Rain |
| 1:24 AM | 60.8 °F / 16.0 °C | 59.0 °F / 15.0 °C | 94% | 29.84 in / 1010.4 hPa | 3.0 miles / 4.8 kilometers | Variable | 3.5 mph / 5.6 km/h | - | 0.25 in / 0.6 cm | Rain | Rain |
| 1:40 AM | 60.8 °F / 16.0 °C | 59.0 °F / 15.0 °C | 94% | 29.84 in / 1010.4 hPa | 6.0 miles / 9.7 kilometers | Calm | Calm | - | 0.28 in / 0.7 cm | Rain | Light Rain |
| 1:53 AM | 60.1 °F / 15.6 °C | 57.9 °F / 14.4 °C | 93% | 29.84 in / 1010.5 hPa | 1.8 miles / 2.8 kilometers | SW | 6.9 mph / 11.1 km/h | - | 0.37 in / 0.9 cm | Rain | Heavy Rain |
| 2:05 AM | 60.8 °F / 16.0 °C | 59.0 °F / 15.0 °C | 94% | 29.85 in / 1010.7 hPa | 2.0 miles / 3.2 kilometers | South | 6.9 mph / 11.1 km/h | - | 0.09 in / 0.2 cm | Rain | Rain |
| 2:09 AM | 60.8 °F / 16.0 °C | 59.0 °F / 15.0 °C | 94% | 29.85 in / 1010.7 hPa | 3.0 miles / 4.8 kilometers | South | 8.1 mph / 13.0 km/h | - | 0.11 in / 0.3 cm | Rain | Rain |
| 2:53 AM | 61.0 °F / 16.1 °C | 57.9 °F / 14.4 °C | 90% | 29.79 in / 1008.8 hPa | 6.0 miles / 9.7 kilometers | Variable | 5.8 mph / 9.3 km/h | - | 0.24 in / 0.6 cm | Rain | Light Rain |
| 3:26 AM | 60.8 °F / 16.0 °C | 57.2 °F / 14.0 °C | 88% | 29.84 in / 1010.4 hPa | 1.8 miles / 2.8 kilometers | WSW | 6.9 mph / 11.1 km/h | - | 0.03 in / 0.1 cm | Rain | Rain |
| 3:34 AM | 59.0 °F / 15.0 °C | 57.2 °F / 14.0 °C | 94% | 29.85 in / 1010.7 hPa | 2.0 miles / 3.2 kilometers | West | 13.8 mph / 22.2 km/h | - | 0.05 in / 0.1 cm | Rain | Light Rain |
| 3:53 AM | 55.9 °F / 13.3 °C | 54.0 °F / 12.2 °C | 93% | 29.85 in / 1010.8 hPa | 9.0 miles / 14.5 kilometers | West | 4.6 mph / 7.4 km/h | - | 0.06 in / 0.2 cm | | Overcast |
| 4:29 AM | 55.4 °F / 13.0 °C | 53.6 °F / 12.0 °C | 94% | 29.85 in / 1010.7 hPa | 10.0 miles / 16.1 kilometers | Calm | Calm | - | 0.00 in / 0.0 cm | | Overcast |
| 4:53 AM | 55.9 °F / 13.3 °C | 54.0 °F / 12.2 °C | 93% | 29.85 in / 1010.8 hPa | 10.0 miles / 16.1 kilometers | SSW | 4.6 mph / 7.4 km/h | - | 0.00 in / 0.0 cm | | Overcast |
| 5:53 AM | 55.0 °F / 12.8 °C | 53.1 °F / 11.7 °C | 93% | 29.86 in / 1011.1 hPa | 10.0 miles / 16.1 kilometers | Calm | Calm | - | N/A | | Overcast |
| 6:35 AM | 55.4 °F / 13.0 °C | 53.6 °F / 12.0 °C | 94% | 29.88 in / 1011.7 hPa | 10.0 miles / 16.1 kilometers | West | 3.5 mph / 5.6 km/h | - | N/A | | Overcast |
| 6:53 AM | 55.0 °F / | 53.1 °F / | | 29.87 in / | 10.0 miles / | | 6.9 mph / | | | | |

| | | | | | | | | | | |
|----------|-------------------|-------------------|-----|-----------------------|------------------------------|----------|----------------------|---|-----|------------------|
| AM | 12.8 °C | 11.7 °C | 93% | 1011.5 hPa | 16.1 kilometers | NNW | 11.1 km/h | - | N/A | Overcast |
| 7:01 AM | 55.4 °F / 13.0 °C | 51.8 °F / 11.0 °C | 88% | 29.88 in / 1011.7 hPa | 10.0 miles / 16.1 kilometers | North | 9.2 mph / 14.8 km/h | - | N/A | Overcast |
| 7:44 AM | 53.6 °F / 12.0 °C | 51.8 °F / 11.0 °C | 94% | 29.88 in / 1011.7 hPa | 10.0 miles / 16.1 kilometers | NNW | 3.5 mph / 5.6 km/h | - | N/A | Overcast |
| 7:53 AM | 54.0 °F / 12.2 °C | 50.0 °F / 10.0 °C | 86% | 29.87 in / 1011.5 hPa | 10.0 miles / 16.1 kilometers | North | 5.8 mph / 9.3 km/h | - | N/A | Overcast |
| 8:53 AM | 55.0 °F / 12.8 °C | 50.0 °F / 10.0 °C | 83% | 29.90 in / 1012.4 hPa | 10.0 miles / 16.1 kilometers | Calm | Calm | - | N/A | Overcast |
| 9:53 AM | 55.9 °F / 13.3 °C | 48.0 °F / 8.9 °C | 75% | 29.90 in / 1012.5 hPa | 10.0 miles / 16.1 kilometers | NNW | 6.9 mph / 11.1 km/h | - | N/A | Mostly Cloudy |
| 10:53 AM | 57.9 °F / 14.4 °C | 48.0 °F / 8.9 °C | 70% | 29.88 in / 1011.8 hPa | 10.0 miles / 16.1 kilometers | Variable | 4.6 mph / 7.4 km/h | - | N/A | Partly Cloudy |
| 11:53 AM | 57.9 °F / 14.4 °C | 48.0 °F / 8.9 °C | 70% | 29.87 in / 1011.4 hPa | 10.0 miles / 16.1 kilometers | NW | 9.2 mph / 14.8 km/h | - | N/A | Overcast |
| 12:01 PM | 57.2 °F / 14.0 °C | 48.2 °F / 9.0 °C | 72% | 29.88 in / 1011.7 hPa | 10.0 miles / 16.1 kilometers | NW | 9.2 mph / 14.8 km/h | - | N/A | Overcast |
| 12:26 PM | 59.0 °F / 15.0 °C | 48.2 °F / 9.0 °C | 67% | 29.87 in / 1011.4 hPa | 10.0 miles / 16.1 kilometers | NNW | 9.2 mph / 14.8 km/h | - | N/A | Scattered Clouds |
| 12:53 PM | 57.0 °F / 13.9 °C | 46.9 °F / 8.3 °C | 69% | 29.86 in / 1010.9 hPa | 10.0 miles / 16.1 kilometers | North | 8.1 mph / 13.0 km/h | - | N/A | Clear |
| 1:53 PM | 59.0 °F / 15.0 °C | 46.9 °F / 8.3 °C | 64% | 29.86 in / 1011.0 hPa | 10.0 miles / 16.1 kilometers | Variable | 5.8 mph / 9.3 km/h | - | N/A | Clear |
| 2:53 PM | 55.9 °F / 13.3 °C | 46.0 °F / 7.8 °C | 69% | 29.88 in / 1011.7 hPa | 10.0 miles / 16.1 kilometers | NNW | 8.1 mph / 13.0 km/h | - | N/A | Scattered Clouds |
| 3:53 PM | 55.0 °F / 12.8 °C | 45.0 °F / 7.2 °C | 69% | 29.90 in / 1012.5 hPa | 10.0 miles / 16.1 kilometers | NNW | 4.6 mph / 7.4 km/h | - | N/A | Mostly Cloudy |
| 4:53 PM | 52.0 °F / 11.1 °C | 44.1 °F / 6.7 °C | 74% | 29.93 in / 1013.3 hPa | 10.0 miles / 16.1 kilometers | North | 5.8 mph / 9.3 km/h | - | N/A | Mostly Cloudy |
| 5:24 PM | 50.0 °F / 10.0 °C | 42.8 °F / 6.0 °C | 76% | 29.95 in / 1014.1 hPa | 10.0 miles / 16.1 kilometers | NNE | 8.1 mph / 13.0 km/h | - | N/A | Overcast |
| 6:53 PM | 48.0 °F / 8.9 °C | 37.9 °F / 3.3 °C | 68% | 29.99 in / 1015.3 hPa | 10.0 miles / 16.1 kilometers | North | 11.5 mph / 18.5 km/h | - | N/A | Overcast |
| 7:17 PM | 46.4 °F / 8.0 °C | 37.4 °F / 3.0 °C | 71% | 30.00 in / 1015.8 hPa | 10.0 miles / 16.1 kilometers | North | 9.2 mph / 14.8 km/h | - | N/A | Overcast |
| 7:43 PM | 46.4 °F / 8.0 °C | 35.6 °F / 2.0 °C | 66% | 30.00 in / 1015.8 hPa | 10.0 miles / 16.1 kilometers | North | 9.2 mph / 14.8 km/h | - | N/A | Overcast |
| 7:53 | 46.0 °F / | 36.0 °F / | | 30.00 in / | 10.0 miles / | | 11.5 mph / | | | |

| | | | | | | | | | | |
|----------|------------------|-------------------|-----|-----------------------|------------------------------|-------|----------------------|---|-----|----------|
| PM | 7.8 °C | 2.2 °C | 68% | 1015.8 hPa | 16.1 kilometers | NNE | 18.5 km/h | - | N/A | Overcast |
| 8:36 PM | 44.6 °F / 7.0 °C | 35.6 °F / 2.0 °C | 71% | 30.03 in / 1016.8 hPa | 10.0 miles / 16.1 kilometers | North | 11.5 mph / 18.5 km/h | - | N/A | Overcast |
| 8:44 PM | 44.6 °F / 7.0 °C | 35.6 °F / 2.0 °C | 71% | 30.03 in / 1016.8 hPa | 10.0 miles / 16.1 kilometers | North | 9.2 mph / 14.8 km/h | - | N/A | Overcast |
| 8:53 PM | 45.0 °F / 7.2 °C | 35.1 °F / 1.7 °C | 68% | 30.02 in / 1016.5 hPa | 10.0 miles / 16.1 kilometers | North | 12.7 mph / 20.4 km/h | - | N/A | Overcast |
| 9:53 PM | 44.1 °F / 6.7 °C | 33.1 °F / 0.6 °C | 65% | 30.02 in / 1016.4 hPa | 10.0 miles / 16.1 kilometers | North | 9.2 mph / 14.8 km/h | - | N/A | Overcast |
| 10:53 PM | 42.1 °F / 5.6 °C | 32.0 °F / 0.0 °C | 67% | 30.02 in / 1016.6 hPa | 10.0 miles / 16.1 kilometers | North | 11.5 mph / 18.5 km/h | - | N/A | Overcast |
| 11:53 PM | 41.0 °F / 5.0 °C | 30.9 °F / -0.6 °C | 67% | 30.03 in / 1016.8 hPa | 10.0 miles / 16.1 kilometers | NNE | 6.9 mph / 11.1 km/h | - | N/A | Overcast |

| Astronomy | | Show Hide |
|---|---|---|
| November 30, 2005 | Rise | Set |
| Actual Time | 12:02 PM UTC | 9:26 PM UTC |
| Civil Twilight | 11:31 AM UTC | 9:57 PM UTC |
| Nautical Twilight | 10:56 AM UTC | 10:31 PM UTC |
| Astronomical Twilight | 10:23 AM UTC | 11:05 PM UTC |
| Moon | 11:02 AM UTC (11/30) 8:27 PM UTC (11/30) | |
| Length Of Visible Light: | 10h 26m | |
| Length of Day | 9h 24m | |
| <input type="button" value="Normal View"/> <input type="button" value="Extended View"/> | | |
| Waning Crescent, 2% of the Moon is Illuminated | | |
|  |  |  |
| 11 / 30 | 12 / 1 | 12 / 8 |
| | New | First Quarter |
| | | Full |
| | | Last Quarter |
|  | For more information about the solar system, » View the Full Star Chart! | |

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DAILY FIELD RECORD (continued)



| Project and Task Number: 9328 | | Date: 12/20/05 | | | |
|-------------------------------|---|----------------|------------|-------------|-------------|
| TIME | DESCRIPTION OF WORK PERFORMED | | | | |
| | WEATHER READINGS | | | | |
| | WIND SPEED (MPH) | DIRECTION | TEMP °F | REL. Hum | B.P. °Hg |
| 9:45 | INST: 3.6 | 250 | 21.0 | 50% | 29.59 |
| 9:48 | AVG: 2.4 | 143° | 41.4° | 31.3% | 29.43 |
| 10:10 | INST: 3.2 | 204.9 | 24.7 | 43.1% | 29.89 |
| | INST: 3.0 | 0.9 | 27.9 | 36.6% | 29.90 |
| 11:10 | AVG: 3.4 | 254° | 27.8 | 36.2 | 29.9 |
| | INST: 1.2 | 249° | 26.4 | 36% | 29.65 |
| 12:30 | AVG: 2.8 | 234.4 | 27.7 | 34.7% | 29.84 |
| | INST: 3.4 | 142.7 | 30.4 | 32.3 | 29.63 |
| 13:07 | AVG: 3.6 | 144.3 | 30.3 | 31.7 | 29.63 |
| | INST: 2.1 | 200.5 | 31.4 | 31.3 | 29.81 |
| 14:34 | AVG: 3.2 | 214 | 32.7 | 30.0 | 29.61 |
| | INST: 2.7 | 29.7 | 31.7 | 33.7 | 29.82 |
| 15:03 | AVG: 3.4 | 146.4 | 31.6 | 34.9 | 29.62 |
| | INST: 1.5 | 216 | 30.1 | 39.2% | 29.61 |
| 17:10 | AVG: 3.6 | 268 | 29.9 | 40.4 | 29.62 |
| | INST: 3.6 | 278 | 28.8 | 44.9% | 29.83 |
| | Next 60 min AVERAGE STATISTICS, UNIT IN SUN AT 9:50 | | | | |

Find the right employee in your area, fast! Post a job now and SAVE OVER 13%  **monster**

History for Poughkeepsie, New York on Tuesday, December 20, 2005

Jump to data by:

Date: December 20 2005 Airport Code:

Latest visited Airport Codes: [KPOU](#)

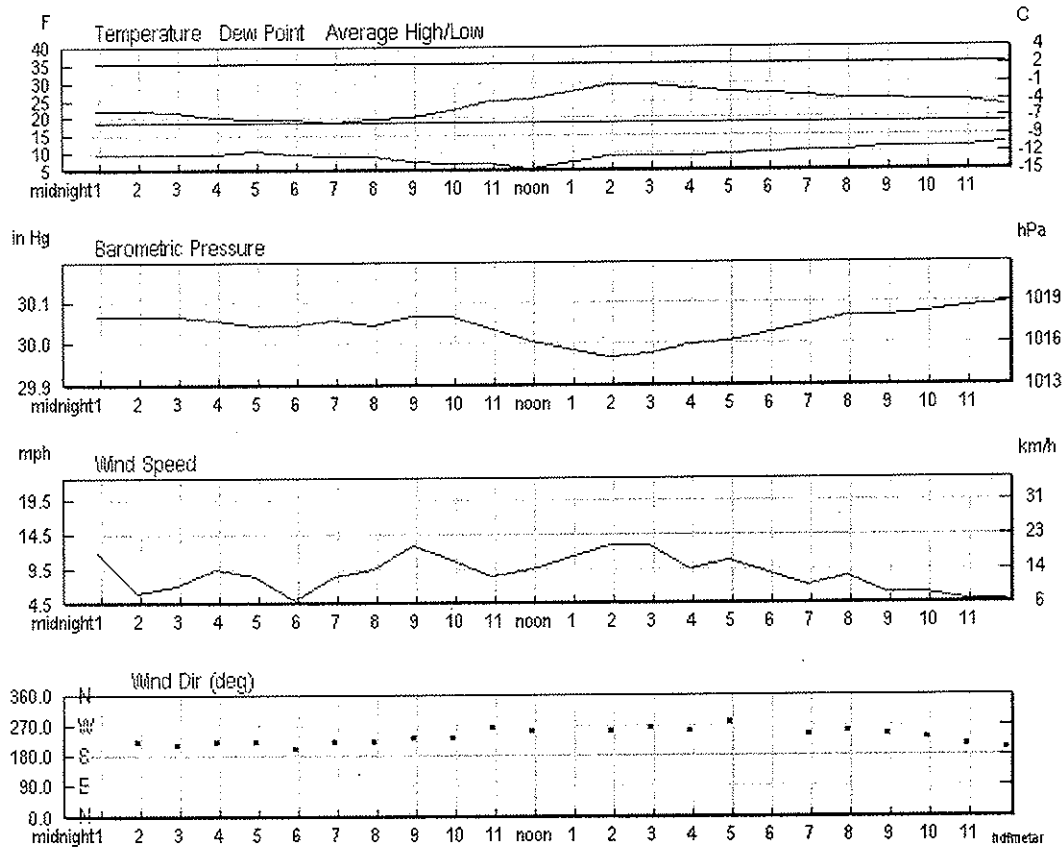
[« Previous Day](#) **Daily** | [Weekly](#) | [Monthly](#) | [Custom](#) | [Trip Planner](#) | [Next Day »](#)

Daily Summary

| | Actual | Average | Record |
|---------------------------|--------------------------|---------------|-----------------------|
| Temperature | | | |
| Mean Temperature | 23 °F / -5 °C | - | |
| Max Temperature | 28 °F / -2 °C | 35 °F / 1 °C | 61 °F / 16 °C (1957) |
| Min Temperature | 18 °F / -7 °C | 18 °F / -7 °C | -9 °F / -22 °C (1951) |
| Degree Days | | | |
| Heating Degree Days | 42 | | |
| Moisture | | | |
| Dew Point | 9 °F / -12 °C | | |
| Average Humidity | 54 | | |
| Maximum Humidity | 68 | | |
| Minimum Humidity | 41 | | |
| Precipitation | | | |
| Precipitation | 0.00 in / 0.00 cm | - | - () |
| Sea Level Pressure | | | |
| Sea Level Pressure | 30.04 in / 1017 hPa | | |
| Wind | | | |
| Wind Speed | 9 mph / 14 km/h (SW) | | |
| Max Wind Speed | 13 mph / 21 km/h | | |
| Max Gust Speed | - | | |
| Visibility | 10 miles / 16 kilometers | | |

Events
Averages and records for this station are not official NWS values.

Key: T is trace of precipitation, MM is missing value
Source: NWS Daily Summary
Seasonal Weather Averages










Show full METARS (help) - Comma Delimited File

| Time (EST) | Temperature | Dew Point | Humidity | Sea Level Pressure | Visibility | Wind Direction | Wind Speed | Gust Speed | Precipitation Events | Conditions |
|------------|-------------------|-------------------|----------|-----------------------|------------------------------|----------------|----------------------|------------|----------------------|------------|
| 12:53 AM | 21.9 °F / -5.6 °C | 9.0 °F / -12.8 °C | 58% | 30.06 in / 1018.0 hPa | 10.0 miles / 16.1 kilometers | WSW | 11.5 mph / 18.5 km/h | - | N/A | Clear |
| 1:53 AM | 21.9 °F / -5.6 °C | 9.0 °F / -12.8 °C | 58% | 30.06 in / 1018.0 hPa | 10.0 miles / 16.1 kilometers | SW | 5.8 mph / 9.3 km/h | - | N/A | Clear |
| 2:53 AM | 21.0 °F / | 9.0 °F / | | 30.06 in / | 10.0 miles / | | 6.9 mph / | | | |

| | | | | | | | | | | |
|----------|-------------------|--------------------|-----|-----------------------|------------------------------|------|----------------------|---|-----|---------------|
| AM | -6.1 °C | -12.8 °C | 60% | 1017.7 hPa | 16.1 kilometers | SSW | 11.1 km/h | - | N/A | Clear |
| 3:53 AM | 19.9 °F / -6.7 °C | 9.0 °F / -12.8 °C | 62% | 30.05 in / 1017.5 hPa | 10.0 miles / 16.1 kilometers | SW | 9.2 mph / 14.8 km/h | - | N/A | Clear |
| 4:53 AM | 19.0 °F / -7.2 °C | 10.0 °F / -12.2 °C | 68% | 30.04 in / 1017.3 hPa | 10.0 miles / 16.1 kilometers | SW | 8.1 mph / 13.0 km/h | - | N/A | Clear |
| 5:53 AM | 19.0 °F / -7.2 °C | 9.0 °F / -12.8 °C | 65% | 30.04 in / 1017.1 hPa | 10.0 miles / 16.1 kilometers | SSW | 4.6 mph / 7.4 km/h | - | N/A | Clear |
| 6:53 AM | 18.0 °F / -7.8 °C | 8.1 °F / -13.3 °C | 65% | 30.05 in / 1017.4 hPa | 10.0 miles / 16.1 kilometers | SW | 8.1 mph / 13.0 km/h | - | N/A | Clear |
| 7:53 AM | 19.0 °F / -7.2 °C | 8.1 °F / -13.3 °C | 62% | 30.04 in / 1017.3 hPa | 10.0 miles / 16.1 kilometers | SW | 9.2 mph / 14.8 km/h | - | N/A | Clear |
| 8:53 AM | 19.9 °F / -6.7 °C | 7.0 °F / -13.9 °C | 57% | 30.06 in / 1017.8 hPa | 10.0 miles / 16.1 kilometers | SW | 12.7 mph / 20.4 km/h | - | N/A | Clear |
| 9:53 AM | 21.9 °F / -5.6 °C | 6.1 °F / -14.4 °C | 51% | 30.06 in / 1017.7 hPa | 10.0 miles / 16.1 kilometers | SW | 10.4 mph / 16.7 km/h | - | N/A | Clear |
| 10:53 AM | 24.1 °F / -4.4 °C | 6.1 °F / -14.4 °C | 46% | 30.03 in / 1016.9 hPa | 10.0 miles / 16.1 kilometers | West | 8.1 mph / 13.0 km/h | - | N/A | Clear |
| 11:53 AM | 25.0 °F / -3.9 °C | 5.0 °F / -15.0 °C | 43% | 30.00 in / 1015.9 hPa | 10.0 miles / 16.1 kilometers | WSW | 9.2 mph / 14.8 km/h | - | N/A | Clear |
| 1:53 PM | 28.9 °F / -1.7 °C | 8.1 °F / -13.3 °C | 41% | 29.96 in / 1014.4 hPa | 10.0 miles / 16.1 kilometers | WSW | 12.7 mph / 20.4 km/h | - | N/A | Clear |
| 2:53 PM | 28.9 °F / -1.7 °C | 8.1 °F / -13.3 °C | 41% | 29.97 in / 1014.7 hPa | 10.0 miles / 16.1 kilometers | West | 12.7 mph / 20.4 km/h | - | N/A | Clear |
| 3:53 PM | 28.0 °F / -2.2 °C | 8.1 °F / -13.3 °C | 43% | 29.99 in / 1015.3 hPa | 10.0 miles / 16.1 kilometers | WSW | 9.2 mph / 14.8 km/h | - | N/A | Clear |
| 4:53 PM | 27.0 °F / -2.8 °C | 9.0 °F / -12.8 °C | 47% | 30.00 in / 1015.9 hPa | 10.0 miles / 16.1 kilometers | West | 10.4 mph / 16.7 km/h | - | N/A | Clear |
| 6:53 PM | 26.1 °F / -3.3 °C | 10.0 °F / -12.2 °C | 51% | 30.04 in / 1017.3 hPa | 10.0 miles / 16.1 kilometers | WSW | 6.9 mph / 11.1 km/h | - | N/A | Clear |
| 7:53 PM | 25.0 °F / -3.9 °C | 10.0 °F / -12.2 °C | 53% | 30.06 in / 1017.8 hPa | 10.0 miles / 16.1 kilometers | WSW | 8.1 mph / 13.0 km/h | - | N/A | Mostly Cloudy |
| 8:53 PM | 25.0 °F / -3.9 °C | 10.9 °F / -11.7 °C | 55% | 30.06 in / 1017.8 hPa | 10.0 miles / 16.1 kilometers | WSW | 5.8 mph / 9.3 km/h | - | N/A | Mostly Cloudy |
| 9:53 PM | 24.1 °F / -4.4 °C | 10.9 °F / -11.7 °C | 57% | 30.07 in / 1018.3 hPa | 10.0 miles / 16.1 kilometers | SW | 5.8 mph / 9.3 km/h | - | N/A | Partly Cloudy |
| 10:53 PM | 24.1 °F / -4.4 °C | 10.9 °F / -11.7 °C | 57% | 30.08 in / 1018.5 hPa | 10.0 miles / 16.1 kilometers | SSW | 4.6 mph / 7.4 km/h | - | N/A | Clear |
| 11:53 | 23.0 °F / | 12.0 °F / | | 30.09 in / | 10.0 miles / | | 4.6 mph / | | | Partly |

PM -5.0 °C -11.1 °C 63% 1018.8 hPa 16.1 kilometers SSW 7.4 km/h - N/A Cloudy

| Astronomy | | Show Hide | | |
|---|---|---|---|---|
| December 20, 2005 | Rise | Set | | |
| Actual Time | 12:18 PM UTC | 9:27 PM UTC | | |
| Civil Twilight | 11:47 AM UTC | 9:59 PM UTC | | |
| Nautical Twilight | 11:12 AM UTC | 10:34 PM UTC | | |
| Astronomical Twilight | 10:38 AM UTC | 11:08 PM UTC | | |
| Moon | 1:13 AM UTC (12/20) | 3:52 PM UTC (12/20) | | |
| Length Of Visible Light: | 10h 12m | | | |
| Length of Day | 9h 09m | | | |
| <input type="button" value="Normal View"/> <input type="button" value="Extended View"/> | | | | |
| Waning Gibbous, 79% of the Moon is Illuminated | | | | |
|  |  |  |  |  |
| 12 / 20 | 12 / 23 | 12 / 31 | 1 / 6 | 1 / 14 |
| | Last Quarter | New | First Quarter | Full |
|  For more information about the solar system, » View the Full Star Chart! | | | | |

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History for Poughkeepsie, New York on Wednesday, May 3, 2006

Jump to data by:

Date: May 3 2006 Airport Code:

Latest visited Airport Codes: [KPOU](#)

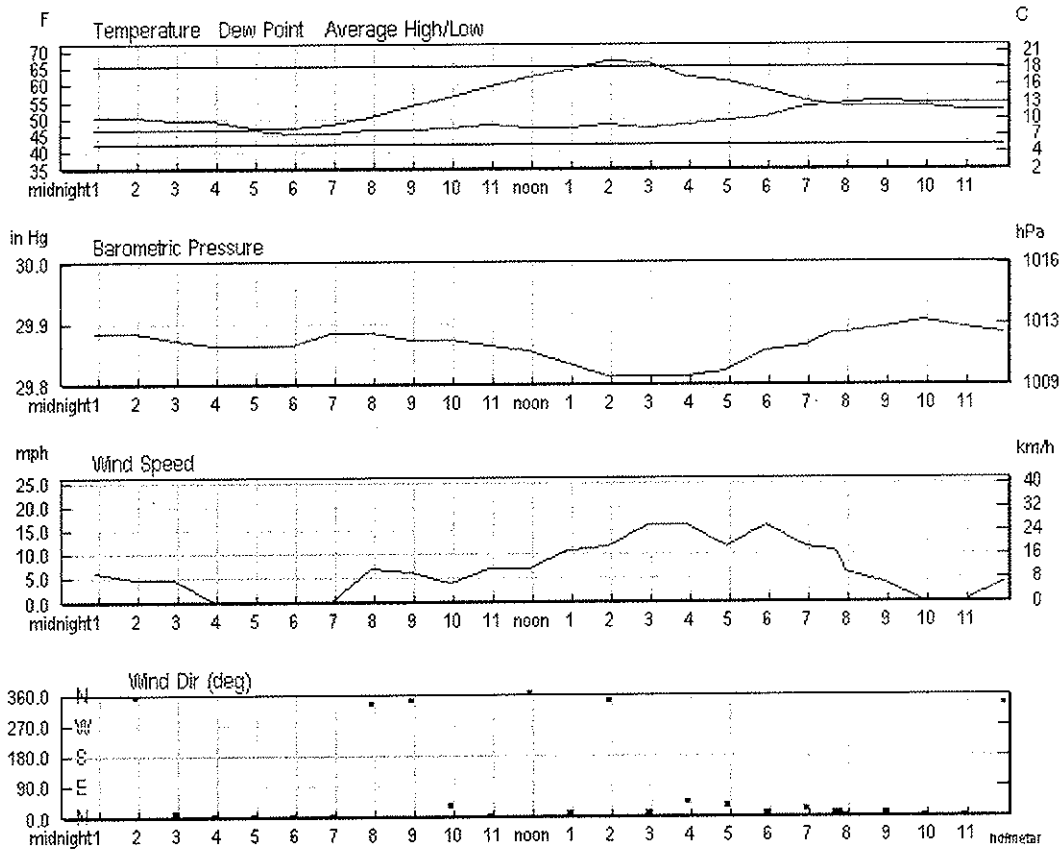
[« Previous Day](#) **Daily** | [Weekly](#) | [Monthly](#) | [Custom](#) | [Trip Planner](#) | [Next Day »](#)

Daily Summary

| | Actual | Average | Record |
|---------------------------|-------------------------|---------------|----------------------|
| Temperature | | | |
| Mean Temperature | 56 °F / 13 °C | - | |
| Max Temperature | 68 °F / 20 °C | 65 °F / 18 °C | 91 °F / 32 °C (2001) |
| Min Temperature | 46 °F / 7 °C | 42 °F / 5 °C | 28 °F / -2 °C (1966) |
| Degree Days | | | |
| Heating Degree Days | 9 | | |
| Growing Degree Days | 6 (Base 50) | | |
| Moisture | | | |
| Dew Point | 46 °F / 7 °C | | |
| Average Humidity | 81 | | |
| Maximum Humidity | 100 | | |
| Minimum Humidity | 50 | | |
| Precipitation | | | |
| Precipitation | 0.05 in / 0.13 cm | - | - () |
| Sea Level Pressure | | | |
| Sea Level Pressure | 29.88 in / 1012 hPa | | |
| Wind | | | |
| Wind Speed | 4 mph / 6 km/h (North) | | |
| Max Wind Speed | 16 mph / 26 km/h | | |
| Max Gust Speed | 21 mph / 34 km/h | | |
| Visibility | 9 miles / 14 kilometers | | |
| Events | Rain | | |

Averages and records for this station are not official NWS values.

Key: T is trace of precipitation, MM is missing value
Source: NWS Daily Summary
Seasonal Weather Averages







[Show full METARS \(help\)](#) - [Comma Delimited File](#)

| Time (EDT) | Temperature | Dew Point | Humidity | Sea Level Pressure | Visibility | Wind Direction | Wind Speed | Gust Speed | Precipitation Events | Conditions |
|------------|-------------------|------------------|----------|-----------------------|------------------------------|----------------|--------------------|------------|----------------------|---------------|
| 12:53 AM | 50.0 °F / 10.0 °C | 46.0 °F / 7.8 °C | 86% | 29.88 in / 1011.8 hPa | 10.0 miles / 16.1 kilometers | North | 5.8 mph / 9.3 km/h | - | N/A | Partly Cloudy |
| 1:53 AM | 50.0 °F / 10.0 °C | 46.0 °F / 7.8 °C | 86% | 29.88 in / 1011.6 hPa | 10.0 miles / 16.1 kilometers | North | 4.6 mph / 7.4 km/h | - | N/A | Mostly Cloudy |
| 2:53 AM | 48.9 °F / | 46.0 °F / | | 29.87 in / | 10.0 miles / | | 4.6 mph / | | | Scattered |

| | | | | | | | | | | |
|----------|-------------------|-------------------|------|-----------------------|------------------------------|----------|----------------------|----------------------|------------------|------------------|
| AM | 9.4 °C | 7.8 °C | 90% | 1011.4 hPa | 16.1 kilometers | North | 7.4 km/h | - | N/A | Clouds |
| 3:53 AM | 48.9 °F / 9.4 °C | 46.0 °F / 7.8 °C | 90% | 29.86 in / 1011.1 hPa | 10.0 miles / 16.1 kilometers | Calm | Calm | - | N/A | Partly Cloudy |
| 4:53 AM | 46.9 °F / 8.3 °C | 46.0 °F / 7.8 °C | 97% | 29.86 in / 1011.0 hPa | 10.0 miles / 16.1 kilometers | Calm | Calm | - | N/A | Clear |
| 5:53 AM | 46.9 °F / 8.3 °C | 45.0 °F / 7.2 °C | 93% | 29.86 in / 1011.2 hPa | 10.0 miles / 16.1 kilometers | Calm | Calm | - | N/A | Clear |
| 6:53 AM | 48.0 °F / 8.9 °C | 45.0 °F / 7.2 °C | 89% | 29.88 in / 1011.6 hPa | 10.0 miles / 16.1 kilometers | Calm | Calm | - | N/A | Clear |
| 7:53 AM | 50.0 °F / 10.0 °C | 46.0 °F / 7.8 °C | 86% | 29.88 in / 1011.7 hPa | 10.0 miles / 16.1 kilometers | NNW | 6.9 mph / 11.1 km/h | - | N/A | Mostly Cloudy |
| 8:53 AM | 53.1 °F / 11.7 °C | 46.0 °F / 7.8 °C | 77% | 29.87 in / 1011.5 hPa | 10.0 miles / 16.1 kilometers | NNW | 5.8 mph / 9.3 km/h | - | N/A | Mostly Cloudy |
| 9:53 AM | 55.9 °F / 13.3 °C | 46.9 °F / 8.3 °C | 72% | 29.87 in / 1011.3 hPa | 10.0 miles / 16.1 kilometers | NNE | 3.5 mph / 5.6 km/h | - | N/A | Clear |
| 10:53 AM | 59.0 °F / 15.0 °C | 48.0 °F / 8.9 °C | 67% | 29.86 in / 1011.0 hPa | 10.0 miles / 16.1 kilometers | Variable | 6.9 mph / 11.1 km/h | - | N/A | Partly Cloudy |
| 11:53 AM | 62.1 °F / 16.7 °C | 46.9 °F / 8.3 °C | 58% | 29.85 in / 1010.7 hPa | 10.0 miles / 16.1 kilometers | North | 6.9 mph / 11.1 km/h | - | N/A | Partly Cloudy |
| 12:53 PM | 64.0 °F / 17.8 °C | 46.9 °F / 8.3 °C | 54% | 29.83 in / 1010.1 hPa | 10.0 miles / 16.1 kilometers | North | 10.4 mph / 16.7 km/h | 19.6 mph / 31.5 km/h | N/A | Clear |
| 1:53 PM | 66.9 °F / 19.4 °C | 48.0 °F / 8.9 °C | 51% | 29.81 in / 1009.4 hPa | 10.0 miles / 16.1 kilometers | NNW | 11.5 mph / 18.5 km/h | - | N/A | Clear |
| 2:53 PM | 66.0 °F / 18.9 °C | 46.9 °F / 8.3 °C | 50% | 29.81 in / 1009.3 hPa | 10.0 miles / 16.1 kilometers | North | 16.1 mph / 25.9 km/h | 20.7 mph / 33.3 km/h | N/A | Scattered Clouds |
| 3:53 PM | 62.1 °F / 16.7 °C | 48.0 °F / 8.9 °C | 60% | 29.81 in / 1009.5 hPa | 10.0 miles / 16.1 kilometers | NE | 16.1 mph / 25.9 km/h | 20.7 mph / 33.3 km/h | N/A | Mostly Cloudy |
| 4:53 PM | 61.0 °F / 16.1 °C | 48.9 °F / 9.4 °C | 64% | 29.82 in / 1009.6 hPa | 10.0 miles / 16.1 kilometers | NNE | 11.5 mph / 18.5 km/h | 18.4 mph / 29.6 km/h | N/A | Overcast |
| 5:53 PM | 57.9 °F / 14.4 °C | 50.0 °F / 10.0 °C | 75% | 29.85 in / 1010.7 hPa | 10.0 miles / 16.1 kilometers | North | 16.1 mph / 25.9 km/h | - | 0.00 in / 0.0 cm | Overcast |
| 6:53 PM | 55.0 °F / 12.8 °C | 53.1 °F / 11.7 °C | 93% | 29.86 in / 1011.2 hPa | 3.0 miles / 4.8 kilometers | NNE | 11.5 mph / 18.5 km/h | - | 0.03 in / 0.1 cm | Rain Light Rain |
| 7:37 PM | 53.6 °F / 12.0 °C | 53.6 °F / 12.0 °C | 100% | 29.88 in / 1011.7 hPa | 2.5 miles / 4.0 kilometers | North | 10.4 mph / 16.7 km/h | - | 0.01 in / 0.0 cm | Rain Light Rain |
| 7:44 PM | 53.6 °F / 12.0 °C | 53.6 °F / 12.0 °C | 100% | 29.88 in / 1011.7 hPa | 7.0 miles / 11.3 kilometers | North | 9.2 mph / 14.8 km/h | - | 0.01 in / 0.0 cm | Rain Light Rain |
| 7:53 | 54.0 °F / | 53.1 °F / | | 29.88 in / | 6.0 miles / | | 5.8 mph / | | 0.01 in / | |

| | | | | | | | | | | | |
|----------|-------------------|-------------------|-----|-----------------------|------------------------------|----------|--------------------|---|------------------|------|------------|
| PM | 12.2 °C | 11.7 °C | 97% | 1011.7 hPa | 9.7 kilometers | Variable | 9.3 km/h | - | 0.0 cm | Rain | Light Rain |
| 8:53 PM | 55.0 °F / 12.8 °C | 53.1 °F / 11.7 °C | 93% | 29.89 in / 1012.0 hPa | 10.0 miles / 16.1 kilometers | North | 3.5 mph / 5.6 km/h | - | 0.01 in / 0.0 cm | | Overcast |
| 9:53 PM | 54.0 °F / 12.2 °C | 53.1 °F / 11.7 °C | 97% | 29.90 in / 1012.5 hPa | 10.0 miles / 16.1 kilometers | Calm | Calm | - | N/A | | Overcast |
| 10:53 PM | 54.0 °F / 12.2 °C | 52.0 °F / 11.1 °C | 93% | 29.89 in / 1012.2 hPa | 10.0 miles / 16.1 kilometers | Calm | Calm | - | N/A | | Overcast |
| 11:53 PM | 54.0 °F / 12.2 °C | 52.0 °F / 11.1 °C | 93% | 29.88 in / 1011.8 hPa | 10.0 miles / 16.1 kilometers | NNW | 3.5 mph / 5.6 km/h | - | N/A | | Overcast |

| Astronomy | | Show Hide |
|---|---|--|
| May 3, 2006 | Rise | Set |
| Actual Time | 9:49 AM UTC | 11:55 PM UTC |
| Civil Twilight | 9:19 AM UTC | 12:26 AM UTC |
| Nautical Twilight | 8:42 AM UTC | 1:03 AM UTC |
| Astronomical Twilight | 8:01 AM UTC | 1:44 AM UTC |
| Moon | 2:20 PM UTC (5/3) | 5:28 AM UTC (5/3) |
| Length Of Visible Light: | 15h 06m | |
| Length of Day | 14h 05m | |
| <input type="button" value="Normal View"/> <input type="button" value="Extended View"/> | | |
| Waxing Crescent, 34% of the Moon is Illuminated | | |
|  |  |  |
| 5 / 3 | 5 / 5 | 5 / 13 |
| | First Quarter | Full |
| | | 5 / 20 |
| | | Last Quarter |
| | | 5 / 27 |
| | | New |
|  | For more information about the solar system, » View the Full Star Chart! | |



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APPENDIX B

Analytical Laboratory Data Reports



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

**(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific**



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0512023A

Work Order Summary

CLIENT: Ms. Yemia Hashimoto
Geomatrix Consultants
2101 Webster Street, 12th Floor
Oakland, CA 94612

BILL TO: Ms. Yemia Hashimoto
Geomatrix Consultants
2101 Webster Street, 12th Floor
Oakland, CA 94612

PHONE: 510-663-4100

P.O. #

FAX: 510-663-4141

PROJECT # 9328 Former Drive + Park

DATE RECEIVED: 12/01/2005

CONTACT: Kyle Vagadori

DATE COMPLETED: 12/14/2005

| <u>FRACTION #</u> | <u>NAME</u> | <u>TEST</u> | <u>RECEIPT VAC./PRES.</u> |
|-------------------|-------------|----------------|-------------------------------|
| 01A | SG-5-113005 | Modified TO-15 | 6.5 "Hg |
| 02A | SG-6-113005 | Modified TO-15 | 7.5 "Hg |
| 03A | SG-8-113005 | Modified TO-15 | 3.0 "Hg |
| 04A | AMB-113005 | Modified TO-15 | 7.0 "Hg |
| 05A | Trip Blank | Modified TO-15 | 4.8 psi |
| 06A | Lab Blank | Modified TO-15 | NA |
| 06B | Lab Blank | Modified TO-15 | NA |
| 07A | CCV | Modified TO-15 | NA |
| 07B | CCV | Modified TO-15 | NA |
| 08A | LCS | Modified TO-15 | NA |
| 08B | LCS | Modified TO-15 | NA |

CERTIFIED BY:

Laboratory Director

DATE: 12/14/05

Certification numbers: AR DEQ - 03-084-0, CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/05, Expiration date: 06/30/06

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 (800) 985-5955 FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
Geomatrix Consultants
Workorder# 0512023A

Five 6 Liter Summa Canister (100% Certified) samples were received on December 01, 2005. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 1.0 liter of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

Method modifications taken to run these samples are summarized in the below table. Specific project requirements may over-ride the ATL modifications.

| Requirement | TO-15 | ATL Modifications |
|-------------------------------|---|---|
| ICAL %RSD acceptance criteria | +/- 30% RSD with 2 compounds allowed out to < 40% RSD | 30% RSD with 4 compounds allowed out to < 40% RSD |
| Daily Calibration | +/- 30% Difference | <= 30% Difference with four allowed out up to <=40%.; flag and narrate outliers |
| Blank and standards | Zero air | Nitrogen |
| Method Detection Limit | Follow 40CFR Pt.136 App. B | The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases |
| Sample collection media | Summa canister | ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request |

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The reported LCS for each daily batch has been derived from more than one analytical file.

All Quality Control Limit failures and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue

AIR TOXICS LTD.

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SG-5-113005

Lab ID#: 0512023A-01A

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------|-------------------|---------------|--------------------|----------------|
| Ethanol | 430 | 7700 | 800 | 14000 |
| Acetone | 430 | 660 | 1000 | 1600 |
| 2-Propanol | 430 | 110000 E | 1000 | 260000 E |
| 1,3-Dichlorobenzene | 86 | 84 J | 510 | 510 |

Client Sample ID: SG-6-113005

Lab ID#: 0512023A-02A

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|------------|-------------------|---------------|--------------------|----------------|
| Ethanol | 450 | 7500 | 840 | 14000 |
| Acetone | 450 | 1200 | 1100 | 2800 |
| 2-Propanol | 450 | 120000 E | 1100 | 290000 E |

Client Sample ID: SG-8-113005

Lab ID#: 0512023A-03A

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|------------|-------------------|---------------|--------------------|----------------|
| Ethanol | 370 | 3300 | 700 | 6300 |
| 2-Propanol | 370 | 60000 E | 920 | 150000 E |

Client Sample ID: AMB-113005

Lab ID#: 0512023A-04A

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------|-------------------|---------------|--------------------|----------------|
| Ethanol | 440 | 3600 | 820 | 6700 |
| 2-Propanol | 440 | 62000 E | 1100 | 150000 E |
| 1,3-Dichlorobenzene | 88 | 96 | 530 | 580 |

Client Sample ID: Trip Blank

Lab ID#: 0512023A-05A

No Detections Were Found.

AIR TOXICS LTD.

Client Sample ID: SG-5-113005

Lab ID#: 0512023A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|---------|---|
| File Name: | 7120819 | Date of Collection: 11/30/05 |
| Dil. Factor: | 855 | Date of Analysis: 12/9/05 02:35 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|----------------------|------------------|-----------------------|-------------------|
| Freon 12 | 86 | Not Detected | 420 | Not Detected |
| Freon 114 | 86 | Not Detected | 600 | Not Detected |
| Chloromethane | 86 | Not Detected | 180 | Not Detected |
| Vinyl Chloride | 86 | Not Detected | 220 | Not Detected |
| 1,3-Butadiene | 430 | Not Detected | 940 | Not Detected |
| Bromomethane | 86 | Not Detected | 330 | Not Detected |
| Chloroethane | 86 | Not Detected | 220 | Not Detected |
| Freon 11 | 86 | Not Detected | 480 | Not Detected |
| Ethanol | 430 | 7700 | 800 | 14000 |
| Freon 113 | 86 | Not Detected | 660 | Not Detected |
| 1,1-Dichloroethene | 86 | Not Detected | 340 | Not Detected |
| Acetone | 430 | 660 | 1000 | 1600 |
| 2-Propanol | 430 | 110000 E | 1000 | 260000 E |
| Carbon Disulfide | 430 | Not Detected | 1300 | Not Detected |
| Methylene Chloride | 170 | Not Detected | 590 | Not Detected |
| Methyl tert-butyl ether | 430 | Not Detected | 1500 | Not Detected |
| trans-1,2-Dichloroethene | 430 | Not Detected | 1700 | Not Detected |
| Hexane | 430 | Not Detected | 1500 | Not Detected |
| 1,1-Dichloroethane | 86 | Not Detected | 350 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 430 | Not Detected | 1300 | Not Detected |
| cis-1,2-Dichloroethene | 86 | Not Detected | 340 | Not Detected |
| Tetrahydrofuran | 430 | Not Detected | 1300 | Not Detected |
| Chloroform | 86 | Not Detected | 420 | Not Detected |
| 1,1,1-Trichloroethane | 86 | Not Detected | 470 | Not Detected |
| Cyclohexane | 430 | Not Detected | 1500 | Not Detected |
| Carbon Tetrachloride | 86 | Not Detected | 540 | Not Detected |
| Benzene | 86 | Not Detected | 270 | Not Detected |
| 1,2-Dichloroethane | 86 | Not Detected | 350 | Not Detected |
| Heptane | 430 | Not Detected | 1800 | Not Detected |
| Trichloroethene | 86 | Not Detected | 460 | Not Detected |
| 1,2-Dichloropropane | 86 | Not Detected | 400 | Not Detected |
| 1,4-Dioxane | 430 | Not Detected | 1500 | Not Detected |
| Bromodichloromethane | 430 | Not Detected | 2900 | Not Detected |
| cis-1,3-Dichloropropene | 86 | Not Detected | 390 | Not Detected |
| 4-Methyl-2-pentanone | 430 | Not Detected | 1800 | Not Detected |
| Toluene | 86 | Not Detected | 320 | Not Detected |
| trans-1,3-Dichloropropene | 86 | Not Detected | 390 | Not Detected |
| 1,1,2-Trichloroethane | 86 | Not Detected | 470 | Not Detected |
| Tetrachloroethene | 86 | Not Detected | 580 | Not Detected |
| 2-Hexanone | 430 | Not Detected | 1800 | Not Detected |
| Dibromochloromethane | 430 | Not Detected | 3600 | Not Detected |
| 1,2-Dibromoethane (EDB) | 86 | Not Detected | 660 | Not Detected |

AIR TOXICS LTD.

Client Sample ID: SG-5-113005

Lab ID#: 0512023A-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | | |
|---------------------|----------------|----------------------------|-------------------------|
| File Name: | 7120819 | Date of Collection: | 11/30/05 |
| Dil. Factor: | 855 | Date of Analysis: | 12/9/05 02:35 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------------|------------------------------|--------------------------|-------------------------------|---------------------------|
| Chlorobenzene | 86 | Not Detected | 390 | Not Detected |
| Ethyl Benzene | 86 | Not Detected | 370 | Not Detected |
| m,p-Xylene | 86 | Not Detected | 370 | Not Detected |
| o-Xylene | 86 | Not Detected | 370 | Not Detected |
| Styrene | 86 | Not Detected | 360 | Not Detected |
| Bromoform | 430 | Not Detected | 4400 | Not Detected |
| Cumene | 430 | Not Detected | 2100 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 86 | Not Detected | 590 | Not Detected |
| Propylbenzene | 430 | Not Detected | 2100 | Not Detected |
| 4-Ethyltoluene | 430 | Not Detected | 2100 | Not Detected |
| 1,3,5-Trimethylbenzene | 86 | Not Detected | 420 | Not Detected |
| 1,2,4-Trimethylbenzene | 86 | Not Detected | 420 | Not Detected |
| 1,3-Dichlorobenzene | 86 | 84 J | 510 | 510 |
| 1,4-Dichlorobenzene | 86 | Not Detected | 510 | Not Detected |
| alpha-Chlorotoluene | 86 | Not Detected | 440 | Not Detected |
| 1,2-Dichlorobenzene | 86 | Not Detected | 510 | Not Detected |
| 1,2,4-Trichlorobenzene | 430 | Not Detected | 3200 | Not Detected |
| Hexachlorobutadiene | 430 | Not Detected | 4600 | Not Detected |

E = Exceeds instrument calibration range.

J = Estimated value.

Container Type: 6 Liter Summa Canister (100% Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|------------------|--------------------------|
| 1,2-Dichloroethane-d4 | 96 | 70-130 |
| Toluene-d8 | 97 | 70-130 |
| 4-Bromofluorobenzene | 94 | 70-130 |

AIR TOXICS LTD.

Client Sample ID: SG-6-113005

Lab ID#: 0512023A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | | |
|---------------------|----------------|----------------------------|-------------------------|
| File Name: | 7120820 | Date of Collection: | 11/30/05 |
| Dil. Factor: | 895 | Date of Analysis: | 12/9/05 03:37 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|-------------------|---------------|--------------------|----------------|
| Freon 12 | 90 | Not Detected | 440 | Not Detected |
| Freon 114 | 90 | Not Detected | 620 | Not Detected |
| Chloromethane | 90 | Not Detected | 180 | Not Detected |
| Vinyl Chloride | 90 | Not Detected | 230 | Not Detected |
| 1,3-Butadiene | 450 | Not Detected | 990 | Not Detected |
| Bromomethane | 90 | Not Detected | 350 | Not Detected |
| Chloroethane | 90 | Not Detected | 240 | Not Detected |
| Freon 11 | 90 | Not Detected | 500 | Not Detected |
| Ethanol | 450 | 7500 | 840 | 14000 |
| Freon 113 | 90 | Not Detected | 680 | Not Detected |
| 1,1-Dichloroethene | 90 | Not Detected | 350 | Not Detected |
| Acetone | 450 | 1200 | 1100 | 2800 |
| 2-Propanol | 450 | 120000 E J | 1100 | 290000 E |
| Carbon Disulfide | 450 | Not Detected | 1400 | Not Detected |
| Methylene Chloride | 180 | Not Detected | 620 | Not Detected |
| Methyl tert-butyl ether | 450 | Not Detected | 1600 | Not Detected |
| trans-1,2-Dichloroethene | 450 | Not Detected | 1800 | Not Detected |
| Hexane | 450 | Not Detected | 1600 | Not Detected |
| 1,1-Dichloroethane | 90 | Not Detected | 360 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 450 | Not Detected | 1300 | Not Detected |
| cis-1,2-Dichloroethene | 90 | Not Detected | 350 | Not Detected |
| Tetrahydrofuran | 450 | Not Detected | 1300 | Not Detected |
| Chloroform | 90 | Not Detected | 440 | Not Detected |
| 1,1,1-Trichloroethane | 90 | Not Detected | 490 | Not Detected |
| Cyclohexane | 450 | Not Detected | 1500 | Not Detected |
| Carbon Tetrachloride | 90 | Not Detected | 560 | Not Detected |
| Benzene | 90 | Not Detected | 280 | Not Detected |
| 1,2-Dichloroethane | 90 | Not Detected | 360 | Not Detected |
| Heptane | 450 | Not Detected | 1800 | Not Detected |
| Trichloroethene | 90 | Not Detected | 480 | Not Detected |
| 1,2-Dichloropropane | 90 | Not Detected | 410 | Not Detected |
| 1,4-Dioxane | 450 | Not Detected | 1600 | Not Detected |
| Bromodichloromethane | 450 | Not Detected | 3000 | Not Detected |
| cis-1,3-Dichloropropene | 90 | Not Detected | 410 | Not Detected |
| 4-Methyl-2-pentanone | 450 | Not Detected | 1800 | Not Detected |
| Toluene | 90 | Not Detected | 340 | Not Detected |
| trans-1,3-Dichloropropene | 90 | Not Detected | 410 | Not Detected |
| 1,1,2-Trichloroethane | 90 | Not Detected | 490 | Not Detected |
| Tetrachloroethene | 90 | Not Detected | 610 | Not Detected |
| 2-Hexanone | 450 | Not Detected | 1800 | Not Detected |
| Dibromochloromethane | 450 | Not Detected | 3800 | Not Detected |
| 1,2-Dibromoethane (EDB) | 90 | Not Detected | 690 | Not Detected |

AIR TOXICS LTD.

Client Sample ID: SG-6-113005

Lab ID#: 0512023A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | | |
|---------------------|----------------|----------------------------|-------------------------|
| File Name: | 7120820 | Date of Collection: | 11/30/05 |
| Dil. Factor: | 895 | Date of Analysis: | 12/9/05 03:37 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------------|-------------------|---------------|--------------------|----------------|
| Chlorobenzene | 90 | Not Detected | 410 | Not Detected |
| Ethyl Benzene | 90 | Not Detected | 390 | Not Detected |
| m,p-Xylene | 90 | Not Detected | 390 | Not Detected |
| o-Xylene | 90 | Not Detected | 390 | Not Detected |
| Styrene | 90 | Not Detected | 380 | Not Detected |
| Bromoform | 450 | Not Detected | 4600 | Not Detected |
| Cumene | 450 | Not Detected | 2200 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 90 | Not Detected | 610 | Not Detected |
| Propylbenzene | 450 | Not Detected | 2200 | Not Detected |
| 4-Ethyltoluene | 450 | Not Detected | 2200 | Not Detected |
| 1,3,5-Trimethylbenzene | 90 | Not Detected | 440 | Not Detected |
| 1,2,4-Trimethylbenzene | 90 | Not Detected | 440 | Not Detected |
| 1,3-Dichlorobenzene | 90 | Not Detected | 540 | Not Detected |
| 1,4-Dichlorobenzene | 90 | Not Detected | 540 | Not Detected |
| alpha-Chlorotoluene | 90 | Not Detected | 460 | Not Detected |
| 1,2-Dichlorobenzene | 90 | Not Detected | 540 | Not Detected |
| 1,2,4-Trichlorobenzene | 450 | Not Detected | 3300 | Not Detected |
| Hexachlorobutadiene | 450 | Not Detected | 4800 | Not Detected |

E = Exceeds instrument calibration range.

Container Type: 6 Liter Summa Canister (100% Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 94 | 70-130 |
| Toluene-d8 | 98 | 70-130 |
| 4-Bromofluorobenzene | 91 | 70-130 |

AIR TOXICS LTD.

Client Sample ID: SG-8-113005

Lab ID#: 0512023A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|---------|---|
| File Name: | 7120821 | Date of Collection: 11/30/05 |
| Dil. Factor: | 745 | Date of Analysis: 12/9/05 04:46 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|----------------------|------------------|-----------------------|-------------------|
| Freon 12 | 74 | Not Detected | 370 | Not Detected |
| Freon 114 | 74 | Not Detected | 520 | Not Detected |
| Chloromethane | 74 | Not Detected | 150 | Not Detected |
| Vinyl Chloride | 74 | Not Detected | 190 | Not Detected |
| 1,3-Butadiene | 370 | Not Detected | 820 | Not Detected |
| Bromomethane | 74 | Not Detected | 290 | Not Detected |
| Chloroethane | 74 | Not Detected | 200 | Not Detected |
| Freon 11 | 74 | Not Detected | 420 | Not Detected |
| Ethanol | 370 | 3300 | 700 | 6300 |
| Freon 113 | 74 | Not Detected | 570 | Not Detected |
| 1,1-Dichloroethene | 74 | Not Detected | 300 | Not Detected |
| Acetone | 370 | Not Detected | 880 | Not Detected |
| 2-Propanol | 370 | 60000 E J | 920 | 150000 E |
| Carbon Disulfide | 370 | Not Detected | 1200 | Not Detected |
| Methylene Chloride | 150 | Not Detected | 520 | Not Detected |
| Methyl tert-butyl ether | 370 | Not Detected | 1300 | Not Detected |
| trans-1,2-Dichloroethene | 370 | Not Detected | 1500 | Not Detected |
| Hexane | 370 | Not Detected | 1300 | Not Detected |
| 1,1-Dichloroethane | 74 | Not Detected | 300 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 370 | Not Detected | 1100 | Not Detected |
| cis-1,2-Dichloroethene | 74 | Not Detected | 300 | Not Detected |
| Tetrahydrofuran | 370 | Not Detected | 1100 | Not Detected |
| Chloroform | 74 | Not Detected | 360 | Not Detected |
| 1,1,1-Trichloroethane | 74 | Not Detected | 410 | Not Detected |
| Cyclohexane | 370 | Not Detected | 1300 | Not Detected |
| Carbon Tetrachloride | 74 | Not Detected | 470 | Not Detected |
| Benzene | 74 | Not Detected | 240 | Not Detected |
| 1,2-Dichloroethane | 74 | Not Detected | 300 | Not Detected |
| Heptane | 370 | Not Detected | 1500 | Not Detected |
| Trichloroethene | 74 | Not Detected | 400 | Not Detected |
| 1,2-Dichloropropane | 74 | Not Detected | 340 | Not Detected |
| 1,4-Dioxane | 370 | Not Detected | 1300 | Not Detected |
| Bromodichloromethane | 370 | Not Detected | 2500 | Not Detected |
| cis-1,3-Dichloropropene | 74 | Not Detected | 340 | Not Detected |
| 4-Methyl-2-pentanone | 370 | Not Detected | 1500 | Not Detected |
| Toluene | 74 | Not Detected | 280 | Not Detected |
| trans-1,3-Dichloropropene | 74 | Not Detected | 340 | Not Detected |
| 1,1,2-Trichloroethane | 74 | Not Detected | 410 | Not Detected |
| Tetrachloroethene | 74 | Not Detected | 500 | Not Detected |
| 2-Hexanone | 370 | Not Detected | 1500 | Not Detected |
| Dibromochloromethane | 370 | Not Detected | 3200 | Not Detected |
| 1,2-Dibromoethane (EDB) | 74 | Not Detected | 570 | Not Detected |

AIR TOXICS LTD.

Client Sample ID: SG-8-113005

Lab ID#: 0512023A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | | |
|---------------------|----------------|----------------------------|-------------------------|
| File Name: | 7120821 | Date of Collection: | 11/30/05 |
| Dil. Factor: | 745 | Date of Analysis: | 12/9/05 04:46 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------------|--------------------------|----------------------|---------------------------|-----------------------|
| Chlorobenzene | 74 | Not Detected | 340 | Not Detected |
| Ethyl Benzene | 74 | Not Detected | 320 | Not Detected |
| m,p-Xylene | 74 | Not Detected | 320 | Not Detected |
| o-Xylene | 74 | Not Detected | 320 | Not Detected |
| Styrene | 74 | Not Detected | 320 | Not Detected |
| Bromoform | 370 | Not Detected | 3800 | Not Detected |
| Cumene | 370 | Not Detected | 1800 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 74 | Not Detected | 510 | Not Detected |
| Propylbenzene | 370 | Not Detected | 1800 | Not Detected |
| 4-Ethyltoluene | 370 | Not Detected | 1800 | Not Detected |
| 1,3,5-Trimethylbenzene | 74 | Not Detected | 370 | Not Detected |
| 1,2,4-Trimethylbenzene | 74 | Not Detected | 370 | Not Detected |
| 1,3-Dichlorobenzene | 74 | Not Detected | 450 | Not Detected |
| 1,4-Dichlorobenzene | 74 | Not Detected | 450 | Not Detected |
| alpha-Chlorotoluene | 74 | Not Detected | 380 | Not Detected |
| 1,2-Dichlorobenzene | 74 | Not Detected | 450 | Not Detected |
| 1,2,4-Trichlorobenzene | 370 | Not Detected | 2800 | Not Detected |
| Hexachlorobutadiene | 370 | Not Detected | 4000 | Not Detected |

E = Exceeds instrument calibration range.

Container Type: 6 Liter Summa Canister (100% Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|------------------|----------------------|
| 1,2-Dichloroethane-d4 | 94 | 70-130 |
| Toluene-d8 | 98 | 70-130 |
| 4-Bromofluorobenzene | 92 | 70-130 |

AIR TOXICS LTD.

Client Sample ID: AMB-113005

Lab ID#: 0512023A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|---------|---|
| File Name: | 7120822 | Date of Collection: 11/30/05 |
| Dil. Factor: | 875 | Date of Analysis: 12/9/05 05:30 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|----------------------|------------------|-----------------------|-------------------|
| Freon 12 | 88 | Not Detected | 430 | Not Detected |
| Freon 114 | 88 | Not Detected | 610 | Not Detected |
| Chloromethane | 88 | Not Detected | 180 | Not Detected |
| Vinyl Chloride | 88 | Not Detected | 220 | Not Detected |
| 1,3-Butadiene | 440 | Not Detected | 970 | Not Detected |
| Bromomethane | 88 | Not Detected | 340 | Not Detected |
| Chloroethane | 88 | Not Detected | 230 | Not Detected |
| Freon 11 | 88 | Not Detected | 490 | Not Detected |
| Ethanol | 440 | 3600 | 820 | 6700 |
| Freon 113 | 88 | Not Detected | 670 | Not Detected |
| 1,1-Dichloroethene | 88 | Not Detected | 350 | Not Detected |
| Acetone | 440 | Not Detected | 1000 | Not Detected |
| 2-Propanol | 440 | 62000 E J | 1100 | 150000 E |
| Carbon Disulfide | 440 | Not Detected | 1400 | Not Detected |
| Methylene Chloride | 180 | Not Detected | 610 | Not Detected |
| Methyl tert-butyl ether | 440 | Not Detected | 1600 | Not Detected |
| trans-1,2-Dichloroethene | 440 | Not Detected | 1700 | Not Detected |
| Hexane | 440 | Not Detected | 1500 | Not Detected |
| 1,1-Dichloroethane | 88 | Not Detected | 350 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 440 | Not Detected | 1300 | Not Detected |
| cis-1,2-Dichloroethene | 88 | Not Detected | 350 | Not Detected |
| Tetrahydrofuran | 440 | Not Detected | 1300 | Not Detected |
| Chloroform | 88 | Not Detected | 430 | Not Detected |
| 1,1,1-Trichloroethane | 88 | Not Detected | 480 | Not Detected |
| Cyclohexane | 440 | Not Detected | 1500 | Not Detected |
| Carbon Tetrachloride | 88 | Not Detected | 550 | Not Detected |
| Benzene | 88 | Not Detected | 280 | Not Detected |
| 1,2-Dichloroethane | 88 | Not Detected | 350 | Not Detected |
| Heptane | 440 | Not Detected | 1800 | Not Detected |
| Trichloroethene | 88 | Not Detected | 470 | Not Detected |
| 1,2-Dichloropropane | 88 | Not Detected | 400 | Not Detected |
| 1,4-Dioxane | 440 | Not Detected | 1600 | Not Detected |
| Bromodichloromethane | 440 | Not Detected | 2900 | Not Detected |
| cis-1,3-Dichloropropene | 88 | Not Detected | 400 | Not Detected |
| 4-Methyl-2-pentanone | 440 | Not Detected | 1800 | Not Detected |
| Toluene | 88 | Not Detected | 330 | Not Detected |
| trans-1,3-Dichloropropene | 88 | Not Detected | 400 | Not Detected |
| 1,1,2-Trichloroethane | 88 | Not Detected | 480 | Not Detected |
| Tetrachloroethene | 88 | Not Detected | 590 | Not Detected |
| 2-Hexanone | 440 | Not Detected | 1800 | Not Detected |
| Dibromochloromethane | 440 | Not Detected | 3700 | Not Detected |
| 1,2-Dibromoethane (EDB) | 88 | Not Detected | 670 | Not Detected |

AIR TOXICS LTD.

Client Sample ID: AMB-113005

Lab ID#: 0512023A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | | |
|---------------------|----------------|----------------------------|-------------------------|
| File Name: | 7120822 | Date of Collection: | 11/30/05 |
| Dil. Factor: | 875 | Date of Analysis: | 12/9/05 05:30 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------------|--------------------------|----------------------|---------------------------|-----------------------|
| Chlorobenzene | 88 | Not Detected | 400 | Not Detected |
| Ethyl Benzene | 88 | Not Detected | 380 | Not Detected |
| m,p-Xylene | 88 | Not Detected | 380 | Not Detected |
| o-Xylene | 88 | Not Detected | 380 | Not Detected |
| Styrene | 88 | Not Detected | 370 | Not Detected |
| Bromoform | 440 | Not Detected | 4500 | Not Detected |
| Cumene | 440 | Not Detected | 2200 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 88 | Not Detected | 600 | Not Detected |
| Propylbenzene | 440 | Not Detected | 2200 | Not Detected |
| 4-Ethyltoluene | 440 | Not Detected | 2200 | Not Detected |
| 1,3,5-Trimethylbenzene | 88 | Not Detected | 430 | Not Detected |
| 1,2,4-Trimethylbenzene | 88 | Not Detected | 430 | Not Detected |
| 1,3-Dichlorobenzene | 88 | 96 | 530 | 580 |
| 1,4-Dichlorobenzene | 88 | Not Detected | 530 | Not Detected |
| alpha-Chlorotoluene | 88 | Not Detected | 450 | Not Detected |
| 1,2-Dichlorobenzene | 88 | Not Detected | 530 | Not Detected |
| 1,2,4-Trichlorobenzene | 440 | Not Detected | 3200 | Not Detected |
| Hexachlorobutadiene | 440 | Not Detected | 4700 | Not Detected |

E = Exceeds instrument calibration range.

Container Type: 6 Liter Summa Canister (100% Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|------------------|----------------------|
| 1,2-Dichloroethane-d4 | 94 | 70-130 |
| Toluene-d8 | 97 | 70-130 |
| 4-Bromofluorobenzene | 90 | 70-130 |

AIR TOXICS LTD.

Client Sample ID: Trip Blank

Lab ID#: 0512023A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|---------|---|
| File Name: | 7120908 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 12/9/05 03:44 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|----------------------|------------------|-----------------------|-------------------|
| Freon 12 | 0.10 | Not Detected | 0.49 | Not Detected |
| Freon 114 | 0.10 | Not Detected | 0.70 | Not Detected |
| Chloromethane | 0.10 | Not Detected | 0.21 | Not Detected |
| Vinyl Chloride | 0.10 | Not Detected | 0.26 | Not Detected |
| 1,3-Butadiene | 0.50 | Not Detected | 1.1 | Not Detected |
| Bromomethane | 0.10 | Not Detected | 0.39 | Not Detected |
| Chloroethane | 0.10 | Not Detected | 0.26 | Not Detected |
| Freon 11 | 0.10 | Not Detected | 0.56 | Not Detected |
| Ethanol | 0.50 | Not Detected | 0.94 | Not Detected |
| Freon 113 | 0.10 | Not Detected | 0.77 | Not Detected |
| 1,1-Dichloroethene | 0.10 | Not Detected | 0.40 | Not Detected |
| Acetone | 0.50 | Not Detected | 1.2 | Not Detected |
| 2-Propanol | 0.50 | Not Detected | 1.2 | Not Detected |
| Carbon Disulfide | 0.50 | Not Detected | 1.6 | Not Detected |
| Methylene Chloride | 0.20 | Not Detected | 0.69 | Not Detected |
| Methyl tert-butyl ether | 0.50 | Not Detected | 1.8 | Not Detected |
| trans-1,2-Dichloroethene | 0.50 | Not Detected | 2.0 | Not Detected |
| Hexane | 0.50 | Not Detected | 1.8 | Not Detected |
| 1,1-Dichloroethane | 0.10 | Not Detected | 0.40 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.50 | Not Detected | 1.5 | Not Detected |
| cis-1,2-Dichloroethene | 0.10 | Not Detected | 0.40 | Not Detected |
| Tetrahydrofuran | 0.50 | Not Detected | 1.5 | Not Detected |
| Chloroform | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,1,1-Trichloroethane | 0.10 | Not Detected | 0.54 | Not Detected |
| Cyclohexane | 0.50 | Not Detected | 1.7 | Not Detected |
| Carbon Tetrachloride | 0.10 | Not Detected | 0.63 | Not Detected |
| Benzene | 0.10 | Not Detected | 0.32 | Not Detected |
| 1,2-Dichloroethane | 0.10 | Not Detected | 0.40 | Not Detected |
| Heptane | 0.50 | Not Detected | 2.0 | Not Detected |
| Trichloroethene | 0.10 | Not Detected | 0.54 | Not Detected |
| 1,2-Dichloropropane | 0.10 | Not Detected | 0.46 | Not Detected |
| 1,4-Dioxane | 0.50 | Not Detected | 1.8 | Not Detected |
| Bromodichloromethane | 0.50 | Not Detected | 3.4 | Not Detected |
| cis-1,3-Dichloropropene | 0.10 | Not Detected | 0.45 | Not Detected |
| 4-Methyl-2-pentanone | 0.50 | Not Detected | 2.0 | Not Detected |
| Toluene | 0.10 | Not Detected | 0.38 | Not Detected |
| trans-1,3-Dichloropropene | 0.10 | Not Detected | 0.45 | Not Detected |
| 1,1,2-Trichloroethane | 0.10 | Not Detected | 0.54 | Not Detected |
| Tetrachloroethene | 0.10 | Not Detected | 0.68 | Not Detected |
| 2-Hexanone | 0.50 | Not Detected | 2.0 | Not Detected |
| Dibromochloromethane | 0.50 | Not Detected | 4.2 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.10 | Not Detected | 0.77 | Not Detected |

AIR TOXICS LTD.

Client Sample ID: Trip Blank

Lab ID#: 0512023A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|----------------|---|
| File Name: | 7120908 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 12/9/05 03:44 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------------|--------------------------|----------------------|---------------------------|-----------------------|
| Chlorobenzene | 0.10 | Not Detected | 0.46 | Not Detected |
| Ethyl Benzene | 0.10 | Not Detected | 0.43 | Not Detected |
| m,p-Xylene | 0.10 | Not Detected | 0.43 | Not Detected |
| o-Xylene | 0.10 | Not Detected | 0.43 | Not Detected |
| Styrene | 0.10 | Not Detected | 0.42 | Not Detected |
| Bromoform | 0.50 | Not Detected | 5.2 | Not Detected |
| Cumene | 0.50 | Not Detected | 2.4 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.10 | Not Detected | 0.69 | Not Detected |
| Propylbenzene | 0.50 | Not Detected | 2.4 | Not Detected |
| 4-Ethyltoluene | 0.50 | Not Detected | 2.4 | Not Detected |
| 1,3,5-Trimethylbenzene | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,2,4-Trimethylbenzene | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,3-Dichlorobenzene | 0.10 | Not Detected | 0.60 | Not Detected |
| 1,4-Dichlorobenzene | 0.10 | Not Detected | 0.60 | Not Detected |
| alpha-Chlorotoluene | 0.10 | Not Detected | 0.52 | Not Detected |
| 1,2-Dichlorobenzene | 0.10 | Not Detected | 0.60 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.50 | Not Detected | 3.7 | Not Detected |
| Hexachlorobutadiene | 0.50 | Not Detected | 5.3 | Not Detected |

Container Type: 6 Liter Summa Canister (100% Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|------------------|----------------------|
| 1,2-Dichloroethane-d4 | 96 | 70-130 |
| Toluene-d8 | 97 | 70-130 |
| 4-Bromofluorobenzene | 92 | 70-130 |

AIR TOXICS LTD.

Client Sample ID: Lab Blank

Lab ID#: 0512023A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|----------------|---|
| File Name: | 7120809 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 12/8/05 04:07 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|----------------------|------------------|-----------------------|-------------------|
| Freon 12 | 0.10 | Not Detected | 0.49 | Not Detected |
| Freon 114 | 0.10 | Not Detected | 0.70 | Not Detected |
| Chloromethane | 0.10 | Not Detected | 0.21 | Not Detected |
| Vinyl Chloride | 0.10 | Not Detected | 0.26 | Not Detected |
| 1,3-Butadiene | 0.50 | Not Detected | 1.1 | Not Detected |
| Bromomethane | 0.10 | Not Detected | 0.39 | Not Detected |
| Chloroethane | 0.10 | Not Detected | 0.26 | Not Detected |
| Freon 11 | 0.10 | Not Detected | 0.56 | Not Detected |
| Ethanol | 0.50 | Not Detected | 0.94 | Not Detected |
| Freon 113 | 0.10 | Not Detected | 0.77 | Not Detected |
| 1,1-Dichloroethene | 0.10 | Not Detected | 0.40 | Not Detected |
| Acetone | 0.50 | Not Detected | 1.2 | Not Detected |
| 2-Propanol | 0.50 | Not Detected | 1.2 | Not Detected |
| Carbon Disulfide | 0.50 | Not Detected | 1.6 | Not Detected |
| Methylene Chloride | 0.20 | Not Detected | 0.69 | Not Detected |
| Methyl tert-butyl ether | 0.50 | Not Detected | 1.8 | Not Detected |
| trans-1,2-Dichloroethene | 0.50 | Not Detected | 2.0 | Not Detected |
| Hexane | 0.50 | Not Detected | 1.8 | Not Detected |
| 1,1-Dichloroethane | 0.10 | Not Detected | 0.40 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.50 | Not Detected | 1.5 | Not Detected |
| cis-1,2-Dichloroethene | 0.10 | Not Detected | 0.40 | Not Detected |
| Tetrahydrofuran | 0.50 | Not Detected | 1.5 | Not Detected |
| Chloroform | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,1,1-Trichloroethane | 0.10 | Not Detected | 0.54 | Not Detected |
| Cyclohexane | 0.50 | Not Detected | 1.7 | Not Detected |
| Carbon Tetrachloride | 0.10 | Not Detected | 0.63 | Not Detected |
| Benzene | 0.10 | Not Detected | 0.32 | Not Detected |
| 1,2-Dichloroethane | 0.10 | Not Detected | 0.40 | Not Detected |
| Heptane | 0.50 | Not Detected | 2.0 | Not Detected |
| Trichloroethene | 0.10 | Not Detected | 0.54 | Not Detected |
| 1,2-Dichloropropane | 0.10 | Not Detected | 0.46 | Not Detected |
| 1,4-Dioxane | 0.50 | Not Detected | 1.8 | Not Detected |
| Bromodichloromethane | 0.50 | Not Detected | 3.4 | Not Detected |
| cis-1,3-Dichloropropene | 0.10 | Not Detected | 0.45 | Not Detected |
| 4-Methyl-2-pentanone | 0.50 | Not Detected | 2.0 | Not Detected |
| Toluene | 0.10 | Not Detected | 0.38 | Not Detected |
| trans-1,3-Dichloropropene | 0.10 | Not Detected | 0.45 | Not Detected |
| 1,1,2-Trichloroethane | 0.10 | Not Detected | 0.54 | Not Detected |
| Tetrachloroethene | 0.10 | Not Detected | 0.68 | Not Detected |
| 2-Hexanone | 0.50 | Not Detected | 2.0 | Not Detected |
| Dibromochloromethane | 0.50 | Not Detected | 4.2 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.10 | Not Detected | 0.77 | Not Detected |

AIR TOXICS LTD.

Client Sample ID: Lab Blank

Lab ID#: 0512023A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|---------|---|
| File Name: | 7120809 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 12/8/05 04:07 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------------|----------------------|------------------|-----------------------|-------------------|
| Chlorobenzene | 0.10 | Not Detected | 0.46 | Not Detected |
| Ethyl Benzene | 0.10 | Not Detected | 0.43 | Not Detected |
| m,p-Xylene | 0.10 | Not Detected | 0.43 | Not Detected |
| o-Xylene | 0.10 | Not Detected | 0.43 | Not Detected |
| Styrene | 0.10 | Not Detected | 0.42 | Not Detected |
| Bromoform | 0.50 | Not Detected | 5.2 | Not Detected |
| Cumene | 0.50 | Not Detected | 2.4 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.10 | Not Detected | 0.69 | Not Detected |
| Propylbenzene | 0.50 | Not Detected | 2.4 | Not Detected |
| 4-Ethyltoluene | 0.50 | Not Detected | 2.4 | Not Detected |
| 1,3,5-Trimethylbenzene | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,2,4-Trimethylbenzene | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,3-Dichlorobenzene | 0.10 | Not Detected | 0.60 | Not Detected |
| 1,4-Dichlorobenzene | 0.10 | Not Detected | 0.60 | Not Detected |
| alpha-Chlorotoluene | 0.10 | Not Detected | 0.52 | Not Detected |
| 1,2-Dichlorobenzene | 0.10 | Not Detected | 0.60 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.50 | Not Detected | 3.7 | Not Detected |
| Hexachlorobutadiene | 0.50 | Not Detected | 5.3 | Not Detected |

Container Type: NA - Not Applicable

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|------------------|
| 1,2-Dichloroethane-d4 | 97 | 70-130 |
| Toluene-d8 | 97 | 70-130 |
| 4-Bromofluorobenzene | 97 | 70-130 |

AIR TOXICS LTD.

Client Sample ID: Lab Blank

Lab ID#: 0512023A-06B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|---------|---|
| File Name: | 7120907 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 12/9/05 02:45 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|----------------------|------------------|-----------------------|-------------------|
| Freon 12 | 0.10 | Not Detected | 0.49 | Not Detected |
| Freon 114 | 0.10 | Not Detected | 0.70 | Not Detected |
| Chloromethane | 0.10 | Not Detected | 0.21 | Not Detected |
| Vinyl Chloride | 0.10 | Not Detected | 0.26 | Not Detected |
| 1,3-Butadiene | 0.50 | Not Detected | 1.1 | Not Detected |
| Bromomethane | 0.10 | Not Detected | 0.39 | Not Detected |
| Chloroethane | 0.10 | Not Detected | 0.26 | Not Detected |
| Freon 11 | 0.10 | Not Detected | 0.56 | Not Detected |
| Ethanol | 0.50 | Not Detected | 0.94 | Not Detected |
| Freon 113 | 0.10 | Not Detected | 0.77 | Not Detected |
| 1,1-Dichloroethene | 0.10 | Not Detected | 0.40 | Not Detected |
| Acetone | 0.50 | Not Detected | 1.2 | Not Detected |
| 2-Propanol | 0.50 | Not Detected | 1.2 | Not Detected |
| Carbon Disulfide | 0.50 | Not Detected | 1.6 | Not Detected |
| Methylene Chloride | 0.20 | Not Detected | 0.69 | Not Detected |
| Methyl tert-butyl ether | 0.50 | Not Detected | 1.8 | Not Detected |
| trans-1,2-Dichloroethene | 0.50 | Not Detected | 2.0 | Not Detected |
| Hexane | 0.50 | Not Detected | 1.8 | Not Detected |
| 1,1-Dichloroethane | 0.10 | Not Detected | 0.40 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.50 | Not Detected | 1.5 | Not Detected |
| cis-1,2-Dichloroethene | 0.10 | Not Detected | 0.40 | Not Detected |
| Tetrahydrofuran | 0.50 | Not Detected | 1.5 | Not Detected |
| Chloroform | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,1,1-Trichloroethane | 0.10 | Not Detected | 0.54 | Not Detected |
| Cyclohexane | 0.50 | Not Detected | 1.7 | Not Detected |
| Carbon Tetrachloride | 0.10 | Not Detected | 0.63 | Not Detected |
| Benzene | 0.10 | Not Detected | 0.32 | Not Detected |
| 1,2-Dichloroethane | 0.10 | Not Detected | 0.40 | Not Detected |
| Heptane | 0.50 | Not Detected | 2.0 | Not Detected |
| Trichloroethene | 0.10 | Not Detected | 0.54 | Not Detected |
| 1,2-Dichloropropane | 0.10 | Not Detected | 0.46 | Not Detected |
| 1,4-Dioxane | 0.50 | Not Detected | 1.8 | Not Detected |
| Bromodichloromethane | 0.50 | Not Detected | 3.4 | Not Detected |
| cis-1,3-Dichloropropene | 0.10 | Not Detected | 0.45 | Not Detected |
| 4-Methyl-2-pentanone | 0.50 | Not Detected | 2.0 | Not Detected |
| Toluene | 0.10 | Not Detected | 0.38 | Not Detected |
| trans-1,3-Dichloropropene | 0.10 | Not Detected | 0.45 | Not Detected |
| 1,1,2-Trichloroethane | 0.10 | Not Detected | 0.54 | Not Detected |
| Tetrachloroethene | 0.10 | Not Detected | 0.68 | Not Detected |
| 2-Hexanone | 0.50 | Not Detected | 2.0 | Not Detected |
| Dibromochloromethane | 0.50 | Not Detected | 4.2 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.10 | Not Detected | 0.77 | Not Detected |

AIR TOXICS LTD.

Client Sample ID: Lab Blank

Lab ID#: 0512023A-06B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|----------------|---|
| File Name: | 7120907 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 12/9/05 02:45 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------------|----------------------|------------------|-----------------------|-------------------|
| Chlorobenzene | 0.10 | Not Detected | 0.46 | Not Detected |
| Ethyl Benzene | 0.10 | Not Detected | 0.43 | Not Detected |
| m,p-Xylene | 0.10 | Not Detected | 0.43 | Not Detected |
| o-Xylene | 0.10 | Not Detected | 0.43 | Not Detected |
| Styrene | 0.10 | Not Detected | 0.42 | Not Detected |
| Bromoform | 0.50 | Not Detected | 5.2 | Not Detected |
| Cumene | 0.50 | Not Detected | 2.4 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.10 | Not Detected | 0.69 | Not Detected |
| Propylbenzene | 0.50 | Not Detected | 2.4 | Not Detected |
| 4-Ethyltoluene | 0.50 | Not Detected | 2.4 | Not Detected |
| 1,3,5-Trimethylbenzene | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,2,4-Trimethylbenzene | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,3-Dichlorobenzene | 0.10 | Not Detected | 0.60 | Not Detected |
| 1,4-Dichlorobenzene | 0.10 | Not Detected | 0.60 | Not Detected |
| alpha-Chlorotoluene | 0.10 | Not Detected | 0.52 | Not Detected |
| 1,2-Dichlorobenzene | 0.10 | Not Detected | 0.60 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.50 | Not Detected | 3.7 | Not Detected |
| Hexachlorobutadiene | 0.50 | Not Detected | 5.3 | Not Detected |

Container Type: NA - Not Applicable

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|------------------|
| 1,2-Dichloroethane-d4 | 96 | 70-130 |
| Toluene-d8 | 96 | 70-130 |
| 4-Bromofluorobenzene | 97 | 70-130 |

AIR TOXICS LTD.

Client Sample ID: CCV

Lab ID#: 0512023A-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|----------------|---|
| File Name: | 7120802 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 12/8/05 10:02 AM |

| Compound | %Recovery |
|----------------------------------|------------------|
| Freon 12 | 100 |
| Freon 114 | 104 |
| Chloromethane | 99 |
| Vinyl Chloride | 101 |
| 1,3-Butadiene | 98 |
| Bromomethane | 92 |
| Chloroethane | 112 |
| Freon 11 | 98 |
| Ethanol | 91 |
| Freon 113 | 102 |
| 1,1-Dichloroethene | 104 |
| Acetone | 93 |
| 2-Propanol | 95 |
| Carbon Disulfide | 100 |
| Methylene Chloride | 97 |
| Methyl tert-butyl ether | 105 |
| trans-1,2-Dichloroethene | 91 |
| Hexane | 105 |
| 1,1-Dichloroethane | 103 |
| 2-Butanone (Methyl Ethyl Ketone) | 102 |
| cis-1,2-Dichloroethene | 108 |
| Tetrahydrofuran | 97 |
| Chloroform | 100 |
| 1,1,1-Trichloroethane | 100 |
| Cyclohexane | 105 |
| Carbon Tetrachloride | 104 |
| Benzene | 93 |
| 1,2-Dichloroethane | 98 |
| Heptane | 100 |
| Trichloroethene | 104 |
| 1,2-Dichloropropane | 103 |
| 1,4-Dioxane | 101 |
| Bromodichloromethane | 96 |
| cis-1,3-Dichloropropene | 96 |
| 4-Methyl-2-pentanone | 104 |
| Toluene | 100 |
| trans-1,3-Dichloropropene | 95 |
| 1,1,2-Trichloroethane | 100 |
| Tetrachloroethene | 101 |
| 2-Hexanone | 106 |
| Dibromochloromethane | 100 |
| 1,2-Dibromoethane (EDB) | 106 |

AIR TOXICS LTD.

Client Sample ID: CCV

Lab ID#: 0512023A-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|---------|---|
| File Name: | 7120802 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 12/8/05 10:02 AM |

| Compound | %Recovery |
|---------------------------|-----------|
| Chlorobenzene | 100 |
| Ethyl Benzene | 106 |
| m,p-Xylene | 110 |
| o-Xylene | 112 |
| Styrene | 98 |
| Bromoform | 104 |
| Cumene | 102 |
| 1,1,2,2-Tetrachloroethane | 101 |
| Propylbenzene | 102 |
| 4-Ethyltoluene | 104 |
| 1,3,5-Trimethylbenzene | 106 |
| 1,2,4-Trimethylbenzene | 112 |
| 1,3-Dichlorobenzene | 104 |
| 1,4-Dichlorobenzene | 105 |
| alpha-Chlorotoluene | 100 |
| 1,2-Dichlorobenzene | 104 |
| 1,2,4-Trichlorobenzene | 78 |
| Hexachlorobutadiene | 90 |

Container Type: NA - Not Applicable

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 97 | 70-130 |
| Toluene-d8 | 100 | 70-130 |
| 4-Bromofluorobenzene | 102 | 70-130 |

AIR TOXICS LTD.

Client Sample ID: CCV

Lab ID#: 0512023A-07B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|--------------|---------|------------------------------------|
| File Name: | 7120902 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 12/9/05 10:04 AM |

| Compound | %Recovery |
|----------------------------------|-----------|
| Freon 12 | 101 |
| Freon 114 | 105 |
| Chloromethane | 98 |
| Vinyl Chloride | 101 |
| 1,3-Butadiene | 98 |
| Bromomethane | 96 |
| Chloroethane | 94 |
| Freon 11 | 93 |
| Ethanol | 92 |
| Freon 113 | 98 |
| 1,1-Dichloroethene | 102 |
| Acetone | 90 |
| 2-Propanol | 115 |
| Carbon Disulfide | 97 |
| Methylene Chloride | 95 |
| Methyl tert-butyl ether | 101 |
| trans-1,2-Dichloroethene | 89 |
| Hexane | 99 |
| 1,1-Dichloroethane | 98 |
| 2-Butanone (Methyl Ethyl Ketone) | 100 |
| cis-1,2-Dichloroethene | 104 |
| Tetrahydrofuran | 93 |
| Chloroform | 97 |
| 1,1,1-Trichloroethane | 97 |
| Cyclohexane | 102 |
| Carbon Tetrachloride | 99 |
| Benzene | 96 |
| 1,2-Dichloroethane | 97 |
| Heptane | 100 |
| Trichloroethene | 108 |
| 1,2-Dichloropropane | 104 |
| 1,4-Dioxane | 103 |
| Bromodichloromethane | 98 |
| cis-1,3-Dichloropropene | 96 |
| 4-Methyl-2-pentanone | 105 |
| Toluene | 102 |
| trans-1,3-Dichloropropene | 92 |
| 1,1,2-Trichloroethane | 100 |
| Tetrachloroethene | 101 |
| 2-Hexanone | 104 |
| Dibromochloromethane | 100 |
| 1,2-Dibromoethane (EDB) | 105 |

AIR TOXICS LTD.

Client Sample ID: CCV

Lab ID#: 0512023A-07B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|---------|---|
| File Name: | 7120902 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 12/9/05 10:04 AM |

| Compound | %Recovery |
|---------------------------|------------------|
| Chlorobenzene | 99 |
| Ethyl Benzene | 105 |
| m,p-Xylene | 108 |
| o-Xylene | 111 |
| Styrene | 98 |
| Bromoform | 106 |
| Cumene | 103 |
| 1,1,2,2-Tetrachloroethane | 100 |
| Propylbenzene | 104 |
| 4-Ethyltoluene | 104 |
| 1,3,5-Trimethylbenzene | 107 |
| 1,2,4-Trimethylbenzene | 114 |
| 1,3-Dichlorobenzene | 106 |
| 1,4-Dichlorobenzene | 108 |
| alpha-Chlorotoluene | 102 |
| 1,2-Dichlorobenzene | 106 |
| 1,2,4-Trichlorobenzene | 116 |
| Hexachlorobutadiene | 106 |

Container Type: NA - Not Applicable

| Surrogates | %Recovery | Method Limits |
|-----------------------|------------------|----------------------|
| 1,2-Dichloroethane-d4 | 92 | 70-130 |
| Toluene-d8 | 101 | 70-130 |
| 4-Bromofluorobenzene | 103 | 70-130 |

AIR TOXICS LTD.

Client Sample ID: LCS

Lab ID#: 0512023A-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|---------|---|
| File Name: | 7120803 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 12/8/05 10:49 AM |

| Compound | %Recovery |
|----------------------------------|-----------|
| Freon 12 | 90 |
| Freon 114 | 90 |
| Chloromethane | 98 |
| Vinyl Chloride | 87 |
| 1,3-Butadiene | 103 |
| Bromomethane | 82 |
| Chloroethane | 98 |
| Freon 11 | 89 |
| Ethanol | 101 |
| Freon 113 | 95 |
| 1,1-Dichloroethene | 96 |
| Acetone | 100 |
| 2-Propanol | 108 |
| Carbon Disulfide | 109 |
| Methylene Chloride | 90 |
| Methyl tert-butyl ether | 111 |
| trans-1,2-Dichloroethene | 97 |
| Hexane | 111 |
| 1,1-Dichloroethane | 98 |
| 2-Butanone (Methyl Ethyl Ketone) | 110 |
| cis-1,2-Dichloroethene | 97 |
| Tetrahydrofuran | 101 |
| Chloroform | 96 |
| 1,1,1-Trichloroethane | 91 |
| Cyclohexane | 110 |
| Carbon Tetrachloride | 87 |
| Benzene | 86 |
| 1,2-Dichloroethane | 92 |
| Heptane | 105 |
| Trichloroethene | 93 |
| 1,2-Dichloropropane | 97 |
| 1,4-Dioxane | 102 |
| Bromodichloromethane | 101 |
| cis-1,3-Dichloropropene | 103 |
| 4-Methyl-2-pentanone | 104 |
| Toluene | 99 |
| trans-1,3-Dichloropropene | 95 |
| 1,1,2-Trichloroethane | 96 |
| Tetrachloroethene | 98 |
| 2-Hexanone | 99 |
| Dibromochloromethane | 101 |
| 1,2-Dibromoethane (EDB) | 111 |

AIR TOXICS LTD.

Client Sample ID: LCS

Lab ID#: 0512023A-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|---------|---|
| File Name: | 7120803 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 12/8/05 10:49 AM |

| Compound | %Recovery |
|---------------------------|-----------|
| Chlorobenzene | |
| Ethyl Benzene | 94 |
| m,p-Xylene | 103 |
| o-Xylene | 112 |
| Styrene | 107 |
| Bromoform | 103 |
| Cumene | 99 |
| 1,1,2,2-Tetrachloroethane | 87 |
| Propylbenzene | 95 |
| 4-Ethyltoluene | 96 |
| 1,3,5-Trimethylbenzene | 94 |
| 1,2,4-Trimethylbenzene | 100 |
| 1,3-Dichlorobenzene | 111 |
| 1,4-Dichlorobenzene | 94 |
| alpha-Chlorotoluene | 99 |
| 1,2-Dichlorobenzene | 71 |
| 1,2,4-Trichlorobenzene | 91 |
| Hexachlorobutadiene | 62 Q |
| | 81 |

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 102 | 70-130 |
| Toluene-d8 | 101 | 70-130 |
| 4-Bromofluorobenzene | 101 | 70-130 |

AIR TOXICS LTD.

Client Sample ID: LCS

Lab ID#: 0512023A-08B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|----------------|---|
| File Name: | 7120903 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 12/9/05 10:50 AM |

| Compound | %Recovery |
|----------------------------------|------------------|
| Freon 12 | 89 |
| Freon 114 | 91 |
| Chloromethane | 95 |
| Vinyl Chloride | 86 |
| 1,3-Butadiene | 101 |
| Bromomethane | 85 |
| Chloroethane | 81 |
| Freon 11 | 75 |
| Ethanol | 96 |
| Freon 113 | 92 |
| 1,1-Dichloroethene | 92 |
| Acetone | 96 |
| 2-Propanol | 113 |
| Carbon Disulfide | 104 |
| Methylene Chloride | 87 |
| Methyl tert-butyl ether | 103 |
| trans-1,2-Dichloroethene | 94 |
| Hexane | 103 |
| 1,1-Dichloroethane | 92 |
| 2-Butanone (Methyl Ethyl Ketone) | 106 |
| cis-1,2-Dichloroethene | 93 |
| Tetrahydrofuran | 95 |
| Chloroform | 91 |
| 1,1,1-Trichloroethane | 85 |
| Cyclohexane | 103 |
| Carbon Tetrachloride | 81 |
| Benzene | 84 |
| 1,2-Dichloroethane | 90 |
| Heptane | 103 |
| Trichloroethene | 92 |
| 1,2-Dichloropropane | 93 |
| 1,4-Dioxane | 100 |
| Bromodichloromethane | 99 |
| cis-1,3-Dichloropropene | 98 |
| 4-Methyl-2-pentanone | 101 |
| Toluene | 97 |
| trans-1,3-Dichloropropene | 89 |
| 1,1,2-Trichloroethane | 92 |
| Tetrachloroethene | 94 |
| 2-Hexanone | 93 |
| Dibromochloromethane | 98 |
| 1,2-Dibromoethane (EDB) | 107 |

AIR TOXICS LTD.

Client Sample ID: LCS

Lab ID#: 0512023A-08B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|----------------|---|
| File Name: | 7120903 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 12/9/05 10:50 AM |

| Compound | %Recovery |
|---------------------------|------------------|
| Chlorobenzene | 91 |
| Ethyl Benzene | 100 |
| m,p-Xylene | 107 |
| o-Xylene | 104 |
| Styrene | 101 |
| Bromoform | 99 |
| Cumene | 84 |
| 1,1,2,2-Tetrachloroethane | 93 |
| Propylbenzene | 95 |
| 4-Ethyltoluene | 92 |
| 1,3,5-Trimethylbenzene | 98 |
| 1,2,4-Trimethylbenzene | 109 |
| 1,3-Dichlorobenzene | 94 |
| 1,4-Dichlorobenzene | 99 |
| alpha-Chlorotoluene | 68 Q |
| 1,2-Dichlorobenzene | 92 |
| 1,2,4-Trichlorobenzene | 93 |
| Hexachlorobutadiene | 94 |

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

| Surrogates | %Recovery | Method Limits |
|-----------------------|------------------|----------------------|
| 1,2-Dichloroethane-d4 | 97 | 70-130 |
| Toluene-d8 | 101 | 70-130 |
| 4-Bromofluorobenzene | 103 | 70-130 |



Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922.

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Page 1 of 1

CHAIN-OF-CUSTODY RECORD

Contact Person YEMIA HASHIMOTO
 Company GEOMETRY CONSULTANTS Email YHASHIMOTO@GEOMETRY.COM
 Address 219 WEBSTER ST 10th Floor City OAKLAND State CA Zip 94612
 Phone 510.663.4210 Fax 510.663.4141
 Collected by: (Signature) [Signature]

| | | |
|---|--|---|
| Project Info: | Turn Around Time: | <small>Lab Use Only</small> |
| P.O. # _____ | <input checked="" type="checkbox"/> Normal | Pressurized by: <u>VFA</u> |
| Project # <u>93246</u> | <input type="checkbox"/> Rush | Date: <u>12/02/05</u> |
| Project Name <u>A FORMER DRIVE+PARK</u> | <small>specify</small> _____ | Pressurization Gas: <u>(N₂)</u> He |

| Lab I.D. | Field Sample I.D. (Location) | Can# | Date | Time | CONTACT YEMIA HASHIMOTO FOR ANALYTE ANALYSES REQUESTED LIST | Canister Pressure/Vacuum | | | |
|----------|------------------------------|------|----------|-------|---|--------------------------|-------|---------|-------------|
| | | | | | | Initial | Final | Receipt | Final (psi) |
| 01A | SG-5-113005 | | 11-30-05 | 12:00 | T0-15 (Low Detection Limits) | -26.5" | -5" | 6.5" Hg | 500 psi |
| 02A | SG-6-113005 | | 11-30-05 | 13:06 | T0-15 (Low Detection Limits) | -26.5" | -7" | 7.5" Hg | |
| 03A | SG-8-113005 | | 11-30-05 | 14:12 | T0-15 (" " ") | -26" | -4" | 3.0" Hg | |
| 04A | SG AMB-113005 | | 11-30-05 | 14:00 | T0-15 (" " ") | -31" | -7" | 7.0" Hg | |
| 05A | TRIP BLANK | | | | T0-15 (Low Detection Limits) | | | 4.8 psi | 4.8 psi |

| | | |
|--|---|--|
| Relinquished by: (signature) <u>[Signature]</u> Date/Time <u>16:24, 11-30-05</u> | Received by: (signature) <u>Judy Seaton</u> Date/Time <u>12/1/05 1030</u> | Notes: Two UPS Shipments. 0J183 078 865 2, #2 J183 078 865 2 |
| Relinquished by: (signature) _____ Date/Time _____ | Received by: (signature) _____ Date/Time _____ | |
| Relinquished by: (signature) _____ Date/Time _____ | Received by: (signature) _____ Date/Time _____ | |

| | | | | | | |
|---------------------|---------------------------|----------------------------------|--------------------|-----------------------|---|-----------------------------|
| Lab Use Only | Shipper Name <u>FedEx</u> | Air Bill # <u>J183 078 865 2</u> | Temp (°C) <u>-</u> | Condition <u>good</u> | Customer Seals Intact? <u>Yes</u> <u>No</u> <u>None</u> | Work Order # <u>0512028</u> |
|---------------------|---------------------------|----------------------------------|--------------------|-----------------------|---|-----------------------------|



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

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This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 FAX (916) 985-1020

Hours 8:00 A.M to 6:00 P.M. Pacific

WORK ORDER #: 0512572A

Work Order Summary

CLIENT: Ms. Yemia Hashimoto
Geomatrix Consultants
2101 Webster Street, 12th Floor
Oakland, CA 94612

BILL TO: Ms. Yemia Hashimoto
Geomatrix Consultants
2101 Webster Street, 12th Floor
Oakland, CA 94612

PHONE: 510-663-4100

FAX: 510-663-4141

DATE RECEIVED: 12/27/2005

DATE COMPLETED: 01/10/2006

P.O. # 9328

PROJECT # 9328.14 Formir Drive + Park

CONTACT: Kyle Vagadori

| <u>FRACTION #</u> | <u>NAME</u> | <u>TEST</u> | <u>RECEIPT VAC./PRES.</u> |
|-------------------|----------------|----------------|-------------------------------|
| 01A(cancelled) | 8-AMB-1-122005 | Modified TO-15 | 6.0 "Hg |
| 02A | 8-AMB-2-122005 | Modified TO-15 | 4.0 "Hg |
| 03A | SG-2-122005 | Modified TO-15 | 3.5 "Hg |
| 04A | SG-3-122005 | Modified TO-15 | 10.5 "Hg |
| 05A | AMB-3-122005 | Modified TO-15 | 8.0 "Hg |
| 06A | AMB-4-122005 | Modified TO-15 | 8.0 "Hg |
| 07A | SG-5-122005 | Modified TO-15 | 12.5 "Hg |
| 08A | SG-1-122005 | Modified TO-15 | 10.5 "Hg |
| 09A | Lab Blank | Modified TO-15 | NA |
| 10A | CCV | Modified TO-15 | NA |
| 11A | LCS | Modified TO-15 | NA |

CERTIFIED BY: *Sandra A. Freeman*
Laboratory Director

DATE: 01/10/06

Certification numbers: AR DEQ - 03-084-0, CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/05, Expiration date: 06/30/06
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards
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(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
Geomatrix Consultants
Workorder# 0512572A

Eight 6 Liter Summa Canister (100% Certified) samples were received on December 27, 2005. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 1.0 liter of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

Method modifications taken to run these samples are summarized in the below table. Specific project requirements may over-ride the ATL modifications.

| <i>Requirement</i> | <i>TO-15</i> | <i>ATL Modifications</i> |
|-------------------------------|---|--|
| ICAL %RSD acceptance criteria | +/- 30% RSD with 2 compounds allowed out to < 40% RSD | 30% RSD with 4 compounds allowed out to < 40% RSD |
| Daily Calibration | +/- 30% Difference | <= 30% Difference with four allowed out up to <=40%.; flag and narrate outliers |
| Blank and standards | Zero air | Nitrogen |
| Method Detection Limit | Follow 40CFR Pt.136 App. B | The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases. |
| Sample collection media | Summa canister | ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request |

Receiving Notes

Sample identifications on the sample tags were not unique for 01A and 02A. The time of collection was used to help identify to assure uniqueness.

Analytical Notes

All Quality Control Limit failures and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

The reported LCS for each daily batch has been derived from more than one analytical file.

Sample 8-AMB-1-122005 was compromised during pressurization. Reporting was not possible for this sample.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not

performed).

- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the reporting limit.
- UJ- Non-detected compound associated with low bias in the CCV
- N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

AIR TOXICS LTD.
Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: 8-AMB-2-122005

Lab ID#: 0512572A-02A

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|--------------------|-------------------|---------------|--------------------|----------------|
| Freon 12 | 0.16 | 0.29 | 0.77 | 1.4 |
| Chloromethane | 0.16 | 0.67 | 0.32 | 1.4 |
| Freon 11 | 0.16 | 0.24 | 0.87 | 1.3 |
| Ethanol | 0.78 | 2.4 | 1.5 | 4.6 |
| 1,1-Dichloroethene | 0.16 | 0.17 | 0.61 | 0.67 |
| Acetone | 0.78 | 7.5 | 1.8 | 18 |
| Benzene | 0.16 | 0.32 | 0.50 | 1.0 |
| Toluene | 0.16 | 0.18 | 0.58 | 0.68 |
| Tetrachloroethene | 0.16 | 0.44 | 1.0 | 3.0 |

Client Sample ID: SG-2-122005

Lab ID#: 0512572A-03A

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|--------------------|-------------------|---------------|--------------------|----------------|
| Freon 12 | 0.15 | 0.26 | 0.75 | 1.3 |
| Chloromethane | 0.15 | 0.48 | 0.31 | 1.0 |
| Freon 11 | 0.15 | 0.24 | 0.85 | 1.3 |
| Ethanol | 0.76 | 10 | 1.4 | 19 |
| 1,1-Dichloroethene | 0.15 | 0.19 | 0.60 | 0.75 |
| Acetone | 0.76 | 18 | 1.8 | 42 |
| 2-Propanol | 0.76 | 32 | 1.9 | 78 |
| Methylene Chloride | 0.30 | 0.44 | 1.0 | 1.5 |
| Benzene | 0.15 | 0.35 | 0.48 | 1.1 |
| Toluene | 0.15 | 1.5 | 0.57 | 5.8 |
| Tetrachloroethene | 0.15 | 1.4 | 1.0 | 9.7 |
| Ethyl Benzene | 0.15 | 0.28 | 0.66 | 1.2 |
| m,p-Xylene | 0.15 | 0.42 | 0.66 | 1.8 |

Client Sample ID: SG-3-122005

Lab ID#: 0512572A-04A

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|-------------------|---------------|--------------------|----------------|
| Freon 12 | 0.21 | 0.29 | 1.0 | 1.4 |
| Chloromethane | 0.21 | 0.27 | 0.42 | 0.55 |
| Ethanol | 1.0 | 1.4 | 1.9 | 2.7 |
| Acetone | 1.0 | 6.6 | 2.4 | 16 |
| Carbon Disulfide | 1.0 | 1.2 | 3.2 | 3.7 |
| Hexane | 1.0 | 4.5 | 3.6 | 16 |
| 2-Butanone (Methyl Ethyl Ketone) | 1.0 | 1.8 | 3.0 | 5.4 |

Client Sample ID: SG-3-122005

Lab ID#: 0512572A-04A

| | | | | |
|-------------------|------|------|------|-----|
| Toluene | 0.21 | 3.8 | 0.78 | 14 |
| Tetrachloroethene | 0.21 | 0.99 | 1.4 | 6.7 |
| m,p-Xylene | 0.21 | 0.26 | 0.89 | 1.1 |

Client Sample ID: AMB-3-122005

Lab ID#: 0512572A-05A

| Compound | Rot. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------|-------------------|---------------|--------------------|----------------|
| Freon 12 | 0.18 | 0.33 | 0.90 | 1.6 |
| Chloromethane | 0.18 | 0.63 | 0.38 | 1.3 |
| Freon 11 | 0.18 | 0.24 | 1.0 | 1.4 |
| Ethanol | 0.92 | 2.6 | 1.7 | 5.0 |
| Acetone | 0.92 | 1.6 | 2.2 | 3.8 |
| Benzene | 0.18 | 0.24 | 0.58 | 0.77 |
| Toluene | 0.18 | 0.64 | 0.69 | 2.4 |

Client Sample ID: AMB-4-122005

Lab ID#: 0512572A-06A

| Compound | Rot. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------|-------------------|---------------|--------------------|----------------|
| Chloromethane | 0.18 | 0.56 | 0.38 | 1.2 |
| Freon 11 | 0.18 | 0.22 | 1.0 | 1.2 |
| Ethanol | 0.92 | 1.5 | 1.7 | 2.9 |
| Acetone | 0.92 | 2.5 | 2.2 | 5.9 |
| Benzene | 0.18 | 0.19 | 0.58 | 0.61 |
| Toluene | 0.18 | 0.34 | 0.69 | 1.3 |

Client Sample ID: SG-5-122005

Lab ID#: 0512572A-07A

| Compound | Rot. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|-------------------|-------------------|---------------|--------------------|----------------|
| Freon 12 | 0.23 | 0.28 | 1.1 | 1.4 |
| Ethanol | 1.2 | 3.7 | 2.2 | 7.0 |
| Acetone | 1.2 | 2.4 | 2.7 | 5.8 |
| Chloroform | 0.23 | 0.63 | 1.1 | 3.1 |
| Benzene | 0.23 | 0.24 | 0.73 | 0.76 |
| Toluene | 0.23 | 2.6 | 0.87 | 9.6 |
| Tetrachloroethene | 0.23 | 0.36 | 1.6 | 2.4 |
| m,p-Xylene | 0.23 | 0.47 | 1.0 | 2.0 |

Client Sample ID: SG-1-122005

Lab ID#: 0512572A-08A

| Compound | Rot. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------|-------------------|---------------|--------------------|----------------|
| Freon 12 | 0.21 | 0.29 | 1.0 | 1.4 |

Client Sample ID: SG-1-122005

Lab ID#: 0512572A-08A

| | | | | |
|--------------------|------|--------|------|-----|
| Ethanol | 1.0 | 3.4 | 1.9 | 6.5 |
| Acetone | 1.0 | 4.1 | 2.4 | 9.7 |
| Methylene Chloride | 0.41 | 0.40 J | 1.4 | 1.4 |
| Hexane | 1.0 | 16 | 3.6 | 56 |
| Chloroform | 0.21 | 1.9 | 1.0 | 9.2 |
| Cyclohexane | 1.0 | 1.2 | 3.5 | 4.0 |
| Toluene | 0.21 | 6.1 | 0.78 | 23 |
| Ethyl Benzene | 0.21 | 0.25 | 0.89 | 1.1 |
| m,p-Xylene | 0.21 | 0.29 | 0.89 | 1.2 |

AIR TOXICS LTD.

Client Sample ID: 8-AMB-2-122005

Lab ID#: 0512572A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|----------------|---|
| File Name: | g010919 | Date of Collection: 12/20/05 |
| Dil. Factor: | 1.55 | Date of Analysis: 1/10/06 09:31 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|----------------------|------------------|-----------------------|-------------------|
| Freon 12 | 0.16 | 0.29 | 0.77 | 1.4 |
| Freon 114 | 0.16 | Not Detected | 1.1 | Not Detected |
| Chloromethane | 0.16 | 0.67 | 0.32 | 1.4 |
| Vinyl Chloride | 0.16 | Not Detected | 0.40 | Not Detected |
| 1,3-Butadiene | 0.78 | Not Detected | 1.7 | Not Detected |
| Bromomethane | 0.16 | Not Detected | 0.60 | Not Detected |
| Chloroethane | 0.16 | Not Detected | 0.41 | Not Detected |
| Freon 11 | 0.16 | 0.24 | 0.87 | 1.3 |
| Ethanol | 0.78 | 2.4 | 1.5 | 4.6 |
| Freon 113 | 0.16 | Not Detected | 1.2 | Not Detected |
| 1,1-Dichloroethene | 0.16 | 0.17 | 0.61 | 0.67 |
| Acetone | 0.78 | 7.5 | 1.8 | 18 |
| 2-Propanol | 0.78 | Not Detected | 1.9 | Not Detected |
| Carbon Disulfide | 0.78 | Not Detected | 2.4 | Not Detected |
| Methylene Chloride | 0.31 | Not Detected | 1.1 | Not Detected |
| Methyl tert-butyl ether | 0.78 | Not Detected | 2.8 | Not Detected |
| trans-1,2-Dichloroethene | 0.78 | Not Detected | 3.1 | Not Detected |
| Hexane | 0.78 | Not Detected | 2.7 | Not Detected |
| 1,1-Dichloroethane | 0.16 | Not Detected | 0.63 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.78 | Not Detected | 2.3 | Not Detected |
| cis-1,2-Dichloroethene | 0.16 | Not Detected | 0.61 | Not Detected |
| Tetrahydrofuran | 0.78 | Not Detected | 2.3 | Not Detected |
| Chloroform | 0.16 | Not Detected | 0.76 | Not Detected |
| 1,1,1-Trichloroethane | 0.16 | Not Detected | 0.84 | Not Detected |
| Cyclohexane | 0.78 | Not Detected | 2.7 | Not Detected |
| Carbon Tetrachloride | 0.16 | Not Detected | 0.98 | Not Detected |
| Benzene | 0.16 | 0.32 | 0.50 | 1.0 |
| 1,2-Dichloroethane | 0.16 | Not Detected | 0.63 | Not Detected |
| Heptane | 0.78 | Not Detected | 3.2 | Not Detected |
| Trichloroethene | 0.16 | Not Detected | 0.83 | Not Detected |
| 1,2-Dichloropropane | 0.16 | Not Detected | 0.72 | Not Detected |
| 1,4-Dioxane | 0.78 | Not Detected | 2.8 | Not Detected |
| Bromodichloromethane | 0.78 | Not Detected | 5.2 | Not Detected |
| cis-1,3-Dichloropropene | 0.16 | Not Detected | 0.70 | Not Detected |
| 4-Methyl-2-pentanone | 0.78 | Not Detected | 3.2 | Not Detected |
| Toluene | 0.16 | 0.18 | 0.58 | 0.68 |
| trans-1,3-Dichloropropene | 0.16 | Not Detected | 0.70 | Not Detected |
| 1,1,2-Trichloroethane | 0.16 | Not Detected | 0.84 | Not Detected |
| Tetrachloroethene | 0.16 | 0.44 | 1.0 | 3.0 |
| 2-Hexanone | 0.78 | Not Detected | 3.2 | Not Detected |
| Dibromochloromethane | 0.78 | Not Detected | 6.6 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.16 | Not Detected | 1.2 | Not Detected |

AIR TOXICS LTD.

Client Sample ID: 8-AMB-2-122005

Lab ID#: 0512572A-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|----------------|---|
| File Name: | g010919 | Date of Collection: 12/20/05 |
| Dil. Factor: | 1.55 | Date of Analysis: 1/10/06 09:31 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------------|----------------------|------------------|-----------------------|-------------------|
| Chlorobenzene | 0.16 | Not Detected | 0.71 | Not Detected |
| Ethyl Benzene | 0.16 | Not Detected | 0.67 | Not Detected |
| m,p-Xylene | 0.16 | Not Detected | 0.67 | Not Detected |
| o-Xylene | 0.16 | Not Detected | 0.67 | Not Detected |
| Styrene | 0.16 | Not Detected | 0.66 | Not Detected |
| Bromoform | 0.78 | Not Detected | 8.0 | Not Detected |
| Cumene | 0.78 | Not Detected | 3.8 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.16 | Not Detected | 1.1 | Not Detected |
| Propylbenzene | 0.78 | Not Detected | 3.8 | Not Detected |
| 4-Ethyltoluene | 0.78 | Not Detected | 3.8 | Not Detected |
| 1,3,5-Trimethylbenzene | 0.16 | Not Detected | 0.76 | Not Detected |
| 1,2,4-Trimethylbenzene | 0.16 | Not Detected | 0.76 | Not Detected |
| 1,3-Dichlorobenzene | 0.16 | Not Detected | 0.93 | Not Detected |
| 1,4-Dichlorobenzene | 0.16 | Not Detected | 0.93 | Not Detected |
| alpha-Chlorotoluene | 0.16 | Not Detected | 0.80 | Not Detected |
| 1,2-Dichlorobenzene | 0.16 | Not Detected | 0.93 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.78 | Not Detected | 5.8 | Not Detected |
| Hexachlorobutadiene | 0.78 | Not Detected | 8.3 | Not Detected |

Container Type: 6 Liter Summa Canister (100% Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|------------------|
| 1,2-Dichloroethane-d4 | 95 | 70-130 |
| Toluene-d8 | 97 | 70-130 |
| 4-Bromofluorobenzene | 79 | 70-130 |

AIR TOXICS LTD.

Client Sample ID: SG-2-122005

Lab ID#: 0512572A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|----------------|---|
| File Name: | g010921 | Date of Collection: 12/20/05 |
| Dil. Factor: | 1.52 | Date of Analysis: 1/10/06 10:32 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|----------------------|------------------|-----------------------|-------------------|
| Freon 12 | 0.15 | 0.26 | 0.75 | 1.3 |
| Freon 114 | 0.15 | Not Detected | 1.1 | Not Detected |
| Chloromethane | 0.15 | 0.48 | 0.31 | 1.0 |
| Vinyl Chloride | 0.15 | Not Detected | 0.39 | Not Detected |
| 1,3-Butadiene | 0.76 | Not Detected | 1.7 | Not Detected |
| Bromomethane | 0.15 | Not Detected | 0.59 | Not Detected |
| Chloroethane | 0.15 | Not Detected | 0.40 | Not Detected |
| Freon 11 | 0.15 | 0.24 | 0.85 | 1.3 |
| Ethanol | 0.76 | 10 | 1.4 | 19 |
| Freon 113 | 0.15 | Not Detected | 1.2 | Not Detected |
| 1,1-Dichloroethene | 0.15 | 0.19 | 0.60 | 0.75 |
| Acetone | 0.76 | 18 | 1.8 | 42 |
| 2-Propanol | 0.76 | 32 | 1.9 | 78 |
| Carbon Disulfide | 0.76 | Not Detected | 2.4 | Not Detected |
| Methylene Chloride | 0.30 | 0.44 | 1.0 | 1.5 |
| Methyl tert-butyl ether | 0.76 | Not Detected | 2.7 | Not Detected |
| trans-1,2-Dichloroethene | 0.76 | Not Detected | 3.0 | Not Detected |
| Hexane | 0.76 | Not Detected | 2.7 | Not Detected |
| 1,1-Dichloroethane | 0.15 | Not Detected | 0.62 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.76 | Not Detected | 2.2 | Not Detected |
| cis-1,2-Dichloroethene | 0.15 | Not Detected | 0.60 | Not Detected |
| Tetrahydrofuran | 0.76 | Not Detected | 2.2 | Not Detected |
| Chloroform | 0.15 | Not Detected | 0.74 | Not Detected |
| 1,1,1-Trichloroethane | 0.15 | Not Detected | 0.83 | Not Detected |
| Cyclohexane | 0.76 | Not Detected | 2.6 | Not Detected |
| Carbon Tetrachloride | 0.15 | Not Detected | 0.96 | Not Detected |
| Benzene | 0.15 | 0.35 | 0.48 | 1.1 |
| 1,2-Dichloroethane | 0.15 | Not Detected | 0.62 | Not Detected |
| Heptane | 0.76 | Not Detected | 3.1 | Not Detected |
| Trichloroethene | 0.15 | Not Detected | 0.82 | Not Detected |
| 1,2-Dichloropropane | 0.15 | Not Detected | 0.70 | Not Detected |
| 1,4-Dioxane | 0.76 | Not Detected | 2.7 | Not Detected |
| Bromodichloromethane | 0.76 | Not Detected | 5.1 | Not Detected |
| cis-1,3-Dichloropropene | 0.15 | Not Detected | 0.69 | Not Detected |
| 4-Methyl-2-pentanone | 0.76 | Not Detected | 3.1 | Not Detected |
| Toluene | 0.15 | 1.5 | 0.57 | 5.8 |
| trans-1,3-Dichloropropene | 0.15 | Not Detected | 0.69 | Not Detected |
| 1,1,2-Trichloroethane | 0.15 | Not Detected | 0.83 | Not Detected |
| Tetrachloroethene | 0.15 | 1.4 | 1.0 | 9.7 |
| 2-Hexanone | 0.76 | Not Detected | 3.1 | Not Detected |
| Dibromochloromethane | 0.76 | Not Detected | 6.5 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.15 | Not Detected | 1.2 | Not Detected |

AIR TOXICS LTD.

Client Sample ID: SG-2-122005

Lab ID#: 0512572A-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|----------------|---|
| File Name: | g010921 | Date of Collection: 12/20/05 |
| Dil. Factor: | 1.52 | Date of Analysis: 1/10/06 10:32 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------------|-------------------|---------------|--------------------|----------------|
| Chlorobenzene | 0.15 | Not Detected | 0.70 | Not Detected |
| Ethyl Benzene | 0.15 | 0.28 | 0.66 | 1.2 |
| m,p-Xylene | 0.15 | 0.42 | 0.66 | 1.8 |
| o-Xylene | 0.15 | Not Detected | 0.66 | Not Detected |
| Styrene | 0.15 | Not Detected | 0.65 | Not Detected |
| Bromoform | 0.76 | Not Detected | 7.8 | Not Detected |
| Cumene | 0.76 | Not Detected | 3.7 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.15 | Not Detected | 1.0 | Not Detected |
| Propylbenzene | 0.76 | Not Detected | 3.7 | Not Detected |
| 4-Ethyltoluene | 0.76 | Not Detected | 3.7 | Not Detected |
| 1,3,5-Trimethylbenzene | 0.15 | Not Detected | 0.75 | Not Detected |
| 1,2,4-Trimethylbenzene | 0.15 | Not Detected | 0.75 | Not Detected |
| 1,3-Dichlorobenzene | 0.15 | Not Detected | 0.91 | Not Detected |
| 1,4-Dichlorobenzene | 0.15 | Not Detected | 0.91 | Not Detected |
| alpha-Chlorotoluene | 0.15 | Not Detected | 0.79 | Not Detected |
| 1,2-Dichlorobenzene | 0.15 | Not Detected | 0.91 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.76 | Not Detected | 5.6 | Not Detected |
| Hexachlorobutadiene | 0.76 | Not Detected | 8.1 | Not Detected |

Container Type: 6 Liter Summa Canister (100% Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 116 | 70-130 |
| Toluene-d8 | 96 | 70-130 |
| 4-Bromofluorobenzene | 98 | 70-130 |

AIR TOXICS LTD.

Client Sample ID: SG-3-122005

Lab ID#: 0512572A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|----------------|---|
| File Name: | g010920 | Date of Collection: 12/20/05 |
| Dil. Factor: | 2.06 | Date of Analysis: 1/10/06 10:02 AM |

| Compound | Rot. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|----------------------|------------------------|-----------------------|-------------------|
| Freon 12 | 0.21 | 0.29 | 1.0 | 1.4 |
| Freon 114 | 0.21 | Not Detected | 1.4 | Not Detected |
| Chloromethane | 0.21 | 0.27 | 0.42 | 0.55 |
| Vinyl Chloride | 0.21 | Not Detected | 0.53 | Not Detected |
| 1,3-Butadiene | 1.0 | Not Detected | 2.3 | Not Detected |
| Bromomethane | 0.21 | Not Detected | 0.80 | Not Detected |
| Chloroethane | 0.21 | Not Detected | 0.54 | Not Detected |
| Freon 11 | 0.21 | Not Detected | 1.2 | Not Detected |
| Ethanol | 1.0 | 1.4 | 1.9 | 2.7 |
| Freon 113 | 0.21 | Not Detected | 1.6 | Not Detected |
| 1,1-Dichloroethene | 0.21 | Not Detected | 0.82 | Not Detected |
| Acetone | 1.0 | 6.6 | 2.4 | 16 |
| 2-Propanol | 1.0 | Not Detected | 2.5 | Not Detected |
| Carbon Disulfide | 1.0 | 1.2 | 3.2 | 3.7 |
| Methylene Chloride | 0.41 | Not Detected | 1.4 | Not Detected |
| Methyl tert-butyl ether | 1.0 | Not Detected | 3.7 | Not Detected |
| trans-1,2-Dichloroethene | 1.0 | Not Detected | 4.1 | Not Detected |
| Hexane | 1.0 | 4.5 | 3.6 | 16 |
| 1,1-Dichloroethane | 0.21 | Not Detected | 0.83 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 1.0 | 1.8 | 3.0 | 5.4 |
| cis-1,2-Dichloroethene | 0.21 | Not Detected | 0.82 | Not Detected |
| Tetrahydrofuran | 1.0 | Not Detected | 3.0 | Not Detected |
| Chloroform | 0.21 | Not Detected | 1.0 | Not Detected |
| 1,1,1-Trichloroethane | 0.21 | Not Detected | 1.1 | Not Detected |
| Cyclohexane | 1.0 | Not Detected | 3.5 | Not Detected |
| Carbon Tetrachloride | 0.21 | Not Detected | 1.3 | Not Detected |
| Benzene | 0.21 | Not Detected | 0.66 | Not Detected |
| 1,2-Dichloroethane | 0.21 | Not Detected | 0.83 | Not Detected |
| Heptane | 1.0 | Not Detected <i>UJ</i> | 4.2 | Not Detected |
| Trichloroethene | 0.21 | Not Detected | 1.1 | Not Detected |
| 1,2-Dichloropropane | 0.21 | Not Detected | 0.95 | Not Detected |
| 1,4-Dioxane | 1.0 | Not Detected | 3.7 | Not Detected |
| Bromodichloromethane | 1.0 | Not Detected | 6.9 | Not Detected |
| cis-1,3-Dichloropropene | 0.21 | Not Detected | 0.93 | Not Detected |
| 4-Methyl-2-pentanone | 1.0 | Not Detected | 4.2 | Not Detected |
| Toluene | 0.21 | 3.8 | 0.78 | 14 |
| trans-1,3-Dichloropropene | 0.21 | Not Detected | 0.93 | Not Detected |
| 1,1,2-Trichloroethane | 0.21 | Not Detected | 1.1 | Not Detected |
| Tetrachloroethene | 0.21 | 0.99 | 1.4 | 6.7 |
| 2-Hexanone | 1.0 | Not Detected | 4.2 | Not Detected |
| Dibromochloromethane | 1.0 | Not Detected | 8.8 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.21 | Not Detected | 1.6 | Not Detected |

AIR TOXICS LTD.

Client Sample ID: SG-3-122005

Lab ID#: 0512572A-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|---------|---|
| File Name: | g010920 | Date of Collection: 12/20/05 |
| Dil. Factor: | 2.06 | Date of Analysis: 1/10/06 10:02 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------------|----------------------|------------------------|-----------------------|-------------------|
| Chlorobenzene | 0.21 | Not Detected | 0.95 | Not Detected |
| Ethyl Benzene | 0.21 | Not Detected | 0.89 | Not Detected |
| m,p-Xylene | 0.21 | 0.26 | 0.89 | 1.1 |
| o-Xylene | 0.21 | Not Detected | 0.89 | Not Detected |
| Styrene | 0.21 | Not Detected | 0.88 | Not Detected |
| Bromoform | 1.0 | Not Detected | 11 | Not Detected |
| Cumene | 1.0 | Not Detected | 5.1 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.21 | Not Detected | 1.4 | Not Detected |
| Propylbenzene | 1.0 | Not Detected | 5.1 | Not Detected |
| 4-Ethyltoluene | 1.0 | Not Detected | 5.1 | Not Detected |
| 1,3,5-Trimethylbenzene | 0.21 | Not Detected | 1.0 | Not Detected |
| 1,2,4-Trimethylbenzene | 0.21 | Not Detected | 1.0 | Not Detected |
| 1,3-Dichlorobenzene | 0.21 | Not Detected | 1.2 | Not Detected |
| 1,4-Dichlorobenzene | 0.21 | Not Detected | 1.2 | Not Detected |
| alpha-Chlorotoluene | 0.21 | Not Detected | 1.1 | Not Detected |
| 1,2-Dichlorobenzene | 0.21 | Not Detected | 1.2 | Not Detected |
| 1,2,4-Trichlorobenzene | 1.0 | Not Detected <i>US</i> | 7.6 | Not Detected |
| Hexachlorobutadiene | 1.0 | Not Detected | 11 | Not Detected |

Container Type: 6 Liter Summa Canister (100% Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|------------------|
| 1,2-Dichloroethane-d4 | 107 | 70-130 |
| Toluene-d8 | 91 | 70-130 |
| 4-Bromofluorobenzene | 97 | 70-130 |

AIR TOXICS LTD.

Client Sample ID: AMB-3-122005

Lab ID#: 0512572A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|---------|---|
| File Name: | g010922 | Date of Collection: 12/20/05 |
| Dil. Factor: | 1.83 | Date of Analysis: 1/10/06 11:07 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|----------------------|------------------------|-----------------------|-------------------|
| Freon 12 | 0.18 | 0.33 | 0.90 | 1.6 |
| Freon 114 | 0.18 | Not Detected | 1.3 | Not Detected |
| Chloromethane | 0.18 | 0.63 | 0.38 | 1.3 |
| Vinyl Chloride | 0.18 | Not Detected | 0.47 | Not Detected |
| 1,3-Butadiene | 0.92 | Not Detected | 2.0 | Not Detected |
| Bromomethane | 0.18 | Not Detected | 0.71 | Not Detected |
| Chloroethane | 0.18 | Not Detected | 0.48 | Not Detected |
| Freon 11 | 0.18 | 0.24 | 1.0 | 1.4 |
| Ethanol | 0.92 | 2.6 | 1.7 | 5.0 |
| Freon 113 | 0.18 | Not Detected | 1.4 | Not Detected |
| 1,1-Dichloroethene | 0.18 | Not Detected | 0.72 | Not Detected |
| Acetone | 0.92 | 1.6 | 2.2 | 3.8 |
| 2-Propanol | 0.92 | Not Detected | 2.2 | Not Detected |
| Carbon Disulfide | 0.92 | Not Detected | 2.8 | Not Detected |
| Methylene Chloride | 0.37 | Not Detected | 1.3 | Not Detected |
| Methyl tert-butyl ether | 0.92 | Not Detected | 3.3 | Not Detected |
| trans-1,2-Dichloroethene | 0.92 | Not Detected | 3.6 | Not Detected |
| Hexane | 0.92 | Not Detected | 3.2 | Not Detected |
| 1,1-Dichloroethane | 0.18 | Not Detected | 0.74 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.92 | Not Detected | 2.7 | Not Detected |
| cis-1,2-Dichloroethene | 0.18 | Not Detected | 0.72 | Not Detected |
| Tetrahydrofuran | 0.92 | Not Detected | 2.7 | Not Detected |
| Chloroform | 0.18 | Not Detected | 0.89 | Not Detected |
| 1,1,1-Trichloroethane | 0.18 | Not Detected | 1.0 | Not Detected |
| Cyclohexane | 0.92 | Not Detected | 3.1 | Not Detected |
| Carbon Tetrachloride | 0.18 | Not Detected | 1.2 | Not Detected |
| Benzene | 0.18 | 0.24 | 0.58 | 0.77 |
| 1,2-Dichloroethane | 0.18 | Not Detected | 0.74 | Not Detected |
| Heptane | 0.92 | Not Detected <i>MS</i> | 3.7 | Not Detected |
| Trichloroethene | 0.18 | Not Detected | 0.98 | Not Detected |
| 1,2-Dichloropropane | 0.18 | Not Detected | 0.84 | Not Detected |
| 1,4-Dioxane | 0.92 | Not Detected | 3.3 | Not Detected |
| Bromodichloromethane | 0.92 | Not Detected | 6.1 | Not Detected |
| cis-1,3-Dichloropropene | 0.18 | Not Detected | 0.83 | Not Detected |
| 4-Methyl-2-pentanone | 0.92 | Not Detected | 3.7 | Not Detected |
| Toluene | 0.18 | 0.64 | 0.69 | 2.4 |
| trans-1,3-Dichloropropene | 0.18 | Not Detected | 0.83 | Not Detected |
| 1,1,2-Trichloroethane | 0.18 | Not Detected | 1.0 | Not Detected |
| Tetrachloroethene | 0.18 | Not Detected | 1.2 | Not Detected |
| 2-Hexanone | 0.92 | Not Detected | 3.7 | Not Detected |
| Dibromochloromethane | 0.92 | Not Detected | 7.8 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.18 | Not Detected | 1.4 | Not Detected |

AIR TOXICS LTD.

Client Sample ID: AMB-3-122005

Lab ID#: 0512572A-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|--------------|---------|------------------------------------|
| File Name: | g010922 | Date of Collection: 12/20/05 |
| Dil. Factor: | 1.83 | Date of Analysis: 1/10/06 11:07 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------------|----------------------|------------------------|-----------------------|-------------------|
| Chlorobenzene | 0.18 | Not Detected | 0.84 | Not Detected |
| Ethyl Benzene | 0.18 | Not Detected | 0.79 | Not Detected |
| m,p-Xylene | 0.18 | Not Detected | 0.79 | Not Detected |
| o-Xylene | 0.18 | Not Detected | 0.79 | Not Detected |
| Styrene | 0.18 | Not Detected | 0.78 | Not Detected |
| Bromoform | 0.92 | Not Detected | 9.4 | Not Detected |
| Cumene | 0.92 | Not Detected | 4.5 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.18 | Not Detected | 1.2 | Not Detected |
| Propylbenzene | 0.92 | Not Detected | 4.5 | Not Detected |
| 4-Ethyltoluene | 0.92 | Not Detected | 4.5 | Not Detected |
| 1,3,5-Trimethylbenzene | 0.18 | Not Detected | 0.90 | Not Detected |
| 1,2,4-Trimethylbenzene | 0.18 | Not Detected | 0.90 | Not Detected |
| 1,3-Dichlorobenzene | 0.18 | Not Detected | 1.1 | Not Detected |
| 1,4-Dichlorobenzene | 0.18 | Not Detected | 1.1 | Not Detected |
| alpha-Chlorotoluene | 0.18 | Not Detected | 0.95 | Not Detected |
| 1,2-Dichlorobenzene | 0.18 | Not Detected | 1.1 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.92 | Not Detected <i>45</i> | 6.8 | Not Detected |
| Hexachlorobutadiene | 0.92 | Not Detected | 9.8 | Not Detected |

Container Type: 6 Liter Summa Canister (100% Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|------------------|
| 1,2-Dichloroethane-d4 | 102 | 70-130 |
| Toluene-d8 | 98 | 70-130 |
| 4-Bromofluorobenzene | 80 | 70-130 |

AIR TOXICS LTD.

Client Sample ID: AMB-4-122005

Lab ID#: 0512572A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|----------------|--|
| File Name: | g010918 | Date of Collection: 12/20/05 |
| Dil. Factor: | 1.83 | Date of Analysis: 1/9/06 10:32 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|----------------------|------------------|-----------------------|-------------------|
| Freon 12 | 0.18 | Not Detected | 0.90 | Not Detected |
| Freon 114 | 0.18 | Not Detected | 1.3 | Not Detected |
| Chloromethane | 0.18 | 0.56 | 0.38 | 1.2 |
| Vinyl Chloride | 0.18 | Not Detected | 0.47 | Not Detected |
| 1,3-Butadiene | 0.92 | Not Detected | 2.0 | Not Detected |
| Bromomethane | 0.18 | Not Detected | 0.71 | Not Detected |
| Chloroethane | 0.18 | Not Detected | 0.48 | Not Detected |
| Freon 11 | 0.18 | 0.22 | 1.0 | 1.2 |
| Ethanol | 0.92 | 1.5 | 1.7 | 2.9 |
| Freon 113 | 0.18 | Not Detected | 1.4 | Not Detected |
| 1,1-Dichloroethene | 0.18 | Not Detected | 0.72 | Not Detected |
| Acetone | 0.92 | 2.5 | 2.2 | 5.9 |
| 2-Propanol | 0.92 | Not Detected | 2.2 | Not Detected |
| Carbon Disulfide | 0.92 | Not Detected | 2.8 | Not Detected |
| Methylene Chloride | 0.37 | Not Detected | 1.3 | Not Detected |
| Methyl tert-butyl ether | 0.92 | Not Detected | 3.3 | Not Detected |
| trans-1,2-Dichloroethene | 0.92 | Not Detected | 3.6 | Not Detected |
| Hexane | 0.92 | Not Detected | 3.2 | Not Detected |
| 1,1-Dichloroethane | 0.18 | Not Detected | 0.74 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.92 | Not Detected | 2.7 | Not Detected |
| cis-1,2-Dichloroethene | 0.18 | Not Detected | 0.72 | Not Detected |
| Tetrahydrofuran | 0.92 | Not Detected | 2.7 | Not Detected |
| Chloroform | 0.18 | Not Detected | 0.89 | Not Detected |
| 1,1,1-Trichloroethane | 0.18 | Not Detected | 1.0 | Not Detected |
| Cyclohexane | 0.92 | Not Detected | 3.1 | Not Detected |
| Carbon Tetrachloride | 0.18 | Not Detected | 1.2 | Not Detected |
| Benzene | 0.18 | 0.19 | 0.58 | 0.61 |
| 1,2-Dichloroethane | 0.18 | Not Detected | 0.74 | Not Detected |
| Heptane | 0.92 | Not Detected | 3.7 | Not Detected |
| Trichloroethene | 0.18 | Not Detected | 0.98 | Not Detected |
| 1,2-Dichloropropane | 0.18 | Not Detected | 0.84 | Not Detected |
| 1,4-Dioxane | 0.92 | Not Detected | 3.3 | Not Detected |
| Bromodichloromethane | 0.92 | Not Detected | 6.1 | Not Detected |
| cis-1,3-Dichloropropene | 0.18 | Not Detected | 0.83 | Not Detected |
| 4-Methyl-2-pentanone | 0.92 | Not Detected | 3.7 | Not Detected |
| Toluene | 0.18 | 0.34 | 0.69 | 1.3 |
| trans-1,3-Dichloropropene | 0.18 | Not Detected | 0.83 | Not Detected |
| 1,1,2-Trichloroethane | 0.18 | Not Detected | 1.0 | Not Detected |
| Tetrachloroethene | 0.18 | Not Detected | 1.2 | Not Detected |
| 2-Hexanone | 0.92 | Not Detected | 3.7 | Not Detected |
| Dibromochloromethane | 0.92 | Not Detected | 7.8 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.18 | Not Detected | 1.4 | Not Detected |

AIR TOXICS LTD.

Client Sample ID: AMB-4-122005

Lab ID#: 0512572A-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|----------------|--|
| File Name: | g010918 | Date of Collection: 12/20/05 |
| Dil. Factor: | 1.83 | Date of Analysis: 1/9/06 10:32 PM |

| Compound | Rot. Limit (ppbv) | Amount (ppbv) | Rot. Limit (uG/m3) | Amount (uG/m3) |
|---------------------------|----------------------|------------------------|-----------------------|-------------------|
| Chlorobenzene | 0.18 | Not Detected | 0.84 | Not Detected |
| Ethyl Benzene | 0.18 | Not Detected | 0.79 | Not Detected |
| m,p-Xylene | 0.18 | Not Detected | 0.79 | Not Detected |
| o-Xylene | 0.18 | Not Detected | 0.79 | Not Detected |
| Styrene | 0.18 | Not Detected | 0.78 | Not Detected |
| Bromoform | 0.92 | Not Detected | 9.4 | Not Detected |
| Cumene | 0.92 | Not Detected | 4.5 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.18 | Not Detected | 1.2 | Not Detected |
| Propylbenzene | 0.92 | Not Detected | 4.5 | Not Detected |
| 4-Ethyltoluene | 0.92 | Not Detected | 4.5 | Not Detected |
| 1,3,5-Trimethylbenzene | 0.18 | Not Detected | 0.90 | Not Detected |
| 1,2,4-Trimethylbenzene | 0.18 | Not Detected | 0.90 | Not Detected |
| 1,3-Dichlorobenzene | 0.18 | Not Detected | 1.1 | Not Detected |
| 1,4-Dichlorobenzene | 0.18 | Not Detected | 1.1 | Not Detected |
| alpha-Chlorotoluene | 0.18 | Not Detected | 0.95 | Not Detected |
| 1,2-Dichlorobenzene | 0.18 | Not Detected | 1.1 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.92 | Not Detected <i>US</i> | 6.8 | Not Detected |
| Hexachlorobutadiene | 0.92 | Not Detected | 9.8 | Not Detected |

Container Type: 6 Liter Summa Canister (100% Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|------------------|
| 1,2-Dichloroethane-d4 | 98 | 70-130 |
| Toluene-d8 | 92 | 70-130 |
| 4-Bromofluorobenzene | 80 | 70-130 |

AIR TOXICS LTD.

Client Sample ID: SG-5-122005

Lab ID#: 0512572A-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|----------------|--|
| File Name: | g010917 | Date of Collection: 12/20/05 |
| Dil. Factor: | 2.30 | Date of Analysis: 1/9/06 10:07 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|----------------------|------------------------|-----------------------|-------------------|
| Freon 12 | 0.23 | 0.28 | 1.1 | 1.4 |
| Freon 114 | 0.23 | Not Detected | 1.6 | Not Detected |
| Chloromethane | 0.23 | Not Detected | 0.47 | Not Detected |
| Vinyl Chloride | 0.23 | Not Detected | 0.59 | Not Detected |
| 1,3-Butadiene | 1.2 | Not Detected | 2.5 | Not Detected |
| Bromomethane | 0.23 | Not Detected | 0.89 | Not Detected |
| Chloroethane | 0.23 | Not Detected | 0.61 | Not Detected |
| Freon 11 | 0.23 | Not Detected | 1.3 | Not Detected |
| Ethanol | 1.2 | 3.7 | 2.2 | 7.0 |
| Freon 113 | 0.23 | Not Detected | 1.8 | Not Detected |
| 1,1-Dichloroethene | 0.23 | Not Detected | 0.91 | Not Detected |
| Acetone | 1.2 | 2.4 | 2.7 | 5.8 |
| 2-Propanol | 1.2 | Not Detected | 2.8 | Not Detected |
| Carbon Disulfide | 1.2 | Not Detected | 3.6 | Not Detected |
| Methylene Chloride | 0.46 | Not Detected | 1.6 | Not Detected |
| Methyl tert-butyl ether | 1.2 | Not Detected | 4.1 | Not Detected |
| trans-1,2-Dichloroethene | 1.2 | Not Detected | 4.6 | Not Detected |
| Hexane | 1.2 | Not Detected | 4.0 | Not Detected |
| 1,1-Dichloroethane | 0.23 | Not Detected | 0.93 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 1.2 | Not Detected | 3.4 | Not Detected |
| cis-1,2-Dichloroethene | 0.23 | Not Detected | 0.91 | Not Detected |
| Tetrahydrofuran | 1.2 | Not Detected | 3.4 | Not Detected |
| Chloroform | 0.23 | 0.63 | 1.1 | 3.1 |
| 1,1,1-Trichloroethane | 0.23 | Not Detected | 1.2 | Not Detected |
| Cyclohexane | 1.2 | Not Detected | 4.0 | Not Detected |
| Carbon Tetrachloride | 0.23 | Not Detected | 1.4 | Not Detected |
| Benzene | 0.23 | 0.24 | 0.73 | 0.76 |
| 1,2-Dichloroethane | 0.23 | Not Detected | 0.93 | Not Detected |
| Heptane | 1.2 | Not Detected <i>UJ</i> | 4.7 | Not Detected |
| Trichloroethene | 0.23 | Not Detected | 1.2 | Not Detected |
| 1,2-Dichloropropane | 0.23 | Not Detected | 1.1 | Not Detected |
| 1,4-Dioxane | 1.2 | Not Detected | 4.1 | Not Detected |
| Bromodichloromethane | 1.2 | Not Detected | 7.7 | Not Detected |
| cis-1,3-Dichloropropene | 0.23 | Not Detected | 1.0 | Not Detected |
| 4-Methyl-2-pentanone | 1.2 | Not Detected | 4.7 | Not Detected |
| Toluene | 0.23 | 2.6 | 0.87 | 9.6 |
| trans-1,3-Dichloropropene | 0.23 | Not Detected | 1.0 | Not Detected |
| 1,1,2-Trichloroethane | 0.23 | Not Detected | 1.2 | Not Detected |
| Tetrachloroethene | 0.23 | 0.36 | 1.6 | 2.4 |
| 2-Hexanone | 1.2 | Not Detected | 4.7 | Not Detected |
| Dibromochloromethane | 1.2 | Not Detected | 9.8 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.23 | Not Detected | 1.8 | Not Detected |

AIR TOXICS LTD.

Client Sample ID: SG-5-122005

Lab ID#: 0512572A-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|---------|--|
| File Name: | g010917 | Date of Collection: 12/20/05 |
| Dil. Factor: | 2.30 | Date of Analysis: 1/9/06 10:07 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------------|----------------------|------------------------|-----------------------|-------------------|
| Chlorobenzene | 0.23 | Not Detected | 1.0 | Not Detected |
| Ethyl Benzene | 0.23 | Not Detected | 1.0 | Not Detected |
| m,p-Xylene | 0.23 | 0.47 | 1.0 | 2.0 |
| o-Xylene | 0.23 | Not Detected | 1.0 | Not Detected |
| Styrene | 0.23 | Not Detected | 0.98 | Not Detected |
| Bromoform | 1.2 | Not Detected | 12 | Not Detected |
| Cumene | 1.2 | Not Detected | 5.6 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.23 | Not Detected | 1.6 | Not Detected |
| Propylbenzene | 1.2 | Not Detected | 5.6 | Not Detected |
| 4-Ethyltoluene | 1.2 | Not Detected | 5.6 | Not Detected |
| 1,3,5-Trimethylbenzene | 0.23 | Not Detected | 1.1 | Not Detected |
| 1,2,4-Trimethylbenzene | 0.23 | Not Detected | 1.1 | Not Detected |
| 1,3-Dichlorobenzene | 0.23 | Not Detected | 1.4 | Not Detected |
| 1,4-Dichlorobenzene | 0.23 | Not Detected | 1.4 | Not Detected |
| alpha-Chlorotoluene | 0.23 | Not Detected | 1.2 | Not Detected |
| 1,2-Dichlorobenzene | 0.23 | Not Detected | 1.4 | Not Detected |
| 1,2,4-Trichlorobenzene | 1.2 | Not Detected <i>MS</i> | 8.5 | Not Detected |
| Hexachlorobutadiene | 1.2 | Not Detected | 12 | Not Detected |

Container Type: 6 Liter Summa Canister (100% Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|------------------|
| 1,2-Dichloroethane-d4 | 115 | 70-130 |
| Toluene-d8 | 100 | 70-130 |
| 4-Bromofluorobenzene | 98 | 70-130 |

AIR TOXICS LTD.

Client Sample ID: SG-1-122005

Lab ID#: 0512572A-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | | |
|--------------|---------|---------------------|-----------------|
| File Name: | g010916 | Date of Collection: | 12/20/05 |
| Dil. Factor: | 2.06 | Date of Analysis: | 1/9/06 09:27 PM |

| Compound | Rot. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|----------------------|------------------|-----------------------|-------------------|
| Freon 12 | 0.21 | 0.29 | 1.0 | 1.4 |
| Freon 114 | 0.21 | Not Detected | 1.4 | Not Detected |
| Chloromethane | 0.21 | Not Detected | 0.42 | Not Detected |
| Vinyl Chloride | 0.21 | Not Detected | 0.53 | Not Detected |
| 1,3-Butadiene | 1.0 | Not Detected | 2.3 | Not Detected |
| Bromomethane | 0.21 | Not Detected | 0.80 | Not Detected |
| Chloroethane | 0.21 | Not Detected | 0.54 | Not Detected |
| Freon 11 | 0.21 | Not Detected | 1.2 | Not Detected |
| Ethanol | 1.0 | 3.4 | 1.9 | 6.5 |
| Freon 113 | 0.21 | Not Detected | 1.6 | Not Detected |
| 1,1-Dichloroethene | 0.21 | Not Detected | 0.82 | Not Detected |
| Acetone | 1.0 | 4.1 | 2.4 | 9.7 |
| 2-Propanol | 1.0 | Not Detected | 2.5 | Not Detected |
| Carbon Disulfide | 1.0 | Not Detected | 3.2 | Not Detected |
| Methylene Chloride | 0.41 | 0.40 J | 1.4 | 1.4 |
| Methyl tert-butyl ether | 1.0 | Not Detected | 3.7 | Not Detected |
| trans-1,2-Dichloroethene | 1.0 | Not Detected | 4.1 | Not Detected |
| Hexane | 1.0 | 16 | 3.6 | 56 |
| 1,1-Dichloroethane | 0.21 | Not Detected | 0.83 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 1.0 | Not Detected | 3.0 | Not Detected |
| cis-1,2-Dichloroethene | 0.21 | Not Detected | 0.82 | Not Detected |
| Tetrahydrofuran | 1.0 | Not Detected | 3.0 | Not Detected |
| Chloroform | 0.21 | 1.9 | 1.0 | 9.2 |
| 1,1,1-Trichloroethane | 0.21 | Not Detected | 1.1 | Not Detected |
| Cyclohexane | 1.0 | 1.2 | 3.5 | 4.0 |
| Carbon Tetrachloride | 0.21 | Not Detected | 1.3 | Not Detected |
| Benzene | 0.21 | Not Detected | 0.66 | Not Detected |
| 1,2-Dichloroethane | 0.21 | Not Detected | 0.83 | Not Detected |
| Heptane | 1.0 | Not Detected UJ | 4.2 | Not Detected |
| Trichloroethene | 0.21 | Not Detected | 1.1 | Not Detected |
| 1,2-Dichloropropane | 0.21 | Not Detected | 0.95 | Not Detected |
| 1,4-Dioxane | 1.0 | Not Detected | 3.7 | Not Detected |
| Bromodichloromethane | 1.0 | Not Detected | 6.9 | Not Detected |
| cis-1,3-Dichloropropene | 0.21 | Not Detected | 0.93 | Not Detected |
| 4-Methyl-2-pentanone | 1.0 | Not Detected | 4.2 | Not Detected |
| Toluene | 0.21 | 6.1 | 0.78 | 23 |
| trans-1,3-Dichloropropene | 0.21 | Not Detected | 0.93 | Not Detected |
| 1,1,2-Trichloroethane | 0.21 | Not Detected | 1.1 | Not Detected |
| Tetrachloroethene | 0.21 | Not Detected | 1.4 | Not Detected |
| 2-Hexanone | 1.0 | Not Detected | 4.2 | Not Detected |
| Dibromochloromethane | 1.0 | Not Detected | 8.8 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.21 | Not Detected | 1.6 | Not Detected |

AIR TOXICS LTD.

Client Sample ID: SG-1-122005

Lab ID#: 0512572A-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|----------------|--|
| File Name: | g010916 | Date of Collection: 12/20/05 |
| Dil. Factor: | 2.06 | Date of Analysis: 1/9/06 09:27 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------------|----------------------|------------------------|-----------------------|-------------------|
| Chlorobenzene | 0.21 | Not Detected | 0.95 | Not Detected |
| Ethyl Benzene | 0.21 | 0.25 | 0.89 | 1.1 |
| m,p-Xylene | 0.21 | 0.29 | 0.89 | 1.2 |
| o-Xylene | 0.21 | Not Detected | 0.89 | Not Detected |
| Styrene | 0.21 | Not Detected | 0.88 | Not Detected |
| Bromoform | 1.0 | Not Detected | 11 | Not Detected |
| Cumene | 1.0 | Not Detected | 5.1 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.21 | Not Detected | 1.4 | Not Detected |
| Propylbenzene | 1.0 | Not Detected | 5.1 | Not Detected |
| 4-Ethyltoluene | 1.0 | Not Detected | 5.1 | Not Detected |
| 1,3,5-Trimethylbenzene | 0.21 | Not Detected | 1.0 | Not Detected |
| 1,2,4-Trimethylbenzene | 0.21 | Not Detected | 1.0 | Not Detected |
| 1,3-Dichlorobenzene | 0.21 | Not Detected | 1.2 | Not Detected |
| 1,4-Dichlorobenzene | 0.21 | Not Detected | 1.2 | Not Detected |
| alpha-Chlorotoluene | 0.21 | Not Detected | 1.1 | Not Detected |
| 1,2-Dichlorobenzene | 0.21 | Not Detected | 1.2 | Not Detected |
| 1,2,4-Trichlorobenzene | 1.0 | Not Detected <i>UJ</i> | 7.6 | Not Detected |
| Hexachlorobutadiene | 1.0 | Not Detected | 11 | Not Detected |

J = Estimated value.

Container Type: 6 Liter Summa Canister (100% Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|------------------|
| 1,2-Dichloroethane-d4 | 101 | 70-130 |
| Toluene-d8 | 91 | 70-130 |
| 4-Bromofluorobenzene | 90 | 70-130 |

AIR TOXICS LTD.

Client Sample ID: Lab Blank

Lab ID#: 0512572A-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|----------------|--|
| File Name: | g010915 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 1/9/06 08:33 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|----------------------|------------------------|-----------------------|-------------------|
| Freon 12 | 0.10 | Not Detected | 0.49 | Not Detected |
| Freon 114 | 0.10 | Not Detected | 0.70 | Not Detected |
| Chloromethane | 0.10 | Not Detected | 0.21 | Not Detected |
| Vinyl Chloride | 0.10 | Not Detected | 0.26 | Not Detected |
| 1,3-Butadiene | 0.50 | Not Detected | 1.1 | Not Detected |
| Bromomethane | 0.10 | Not Detected | 0.39 | Not Detected |
| Chloroethane | 0.10 | Not Detected | 0.26 | Not Detected |
| Freon 11 | 0.10 | Not Detected | 0.56 | Not Detected |
| Ethanol | 0.50 | Not Detected | 0.94 | Not Detected |
| Freon 113 | 0.10 | Not Detected | 0.77 | Not Detected |
| 1,1-Dichloroethene | 0.10 | Not Detected | 0.40 | Not Detected |
| Acetone | 0.50 | Not Detected | 1.2 | Not Detected |
| 2-Propanol | 0.50 | Not Detected | 1.2 | Not Detected |
| Carbon Disulfide | 0.50 | Not Detected | 1.6 | Not Detected |
| Methylene Chloride | 0.20 | Not Detected | 0.69 | Not Detected |
| Methyl tert-butyl ether | 0.50 | Not Detected | 1.8 | Not Detected |
| trans-1,2-Dichloroethene | 0.50 | Not Detected | 2.0 | Not Detected |
| Hexane | 0.50 | Not Detected | 1.8 | Not Detected |
| 1,1-Dichloroethane | 0.10 | Not Detected | 0.40 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.50 | Not Detected | 1.5 | Not Detected |
| cis-1,2-Dichloroethene | 0.10 | Not Detected | 0.40 | Not Detected |
| Tetrahydrofuran | 0.50 | Not Detected | 1.5 | Not Detected |
| Chloroform | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,1,1-Trichloroethane | 0.10 | Not Detected | 0.54 | Not Detected |
| Cyclohexane | 0.50 | Not Detected | 1.7 | Not Detected |
| Carbon Tetrachloride | 0.10 | Not Detected | 0.63 | Not Detected |
| Benzene | 0.10 | Not Detected | 0.32 | Not Detected |
| 1,2-Dichloroethane | 0.10 | Not Detected | 0.40 | Not Detected |
| Heptane | 0.50 | Not Detected <i>u5</i> | 2.0 | Not Detected |
| Trichloroethene | 0.10 | Not Detected | 0.54 | Not Detected |
| 1,2-Dichloropropane | 0.10 | Not Detected | 0.46 | Not Detected |
| 1,4-Dioxane | 0.50 | Not Detected | 1.8 | Not Detected |
| Bromodichloromethane | 0.50 | Not Detected | 3.4 | Not Detected |
| cis-1,3-Dichloropropene | 0.10 | Not Detected | 0.45 | Not Detected |
| 4-Methyl-2-pentanone | 0.50 | Not Detected | 2.0 | Not Detected |
| Toluene | 0.10 | Not Detected | 0.38 | Not Detected |
| trans-1,3-Dichloropropene | 0.10 | Not Detected | 0.45 | Not Detected |
| 1,1,2-Trichloroethane | 0.10 | Not Detected | 0.54 | Not Detected |
| Tetrachloroethene | 0.10 | Not Detected | 0.68 | Not Detected |
| 2-Hexanone | 0.50 | Not Detected | 2.0 | Not Detected |
| Dibromochloromethane | 0.50 | Not Detected | 4.2 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.10 | Not Detected | 0.77 | Not Detected |

AIR TOXICS LTD.

Client Sample ID: Lab Blank

Lab ID#: 0512572A-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|----------------|--|
| File Name: | g010915 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 1/9/06 08:33 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------------|----------------------|------------------------|-----------------------|-------------------|
| Chlorobenzene | 0.10 | Not Detected | 0.46 | Not Detected |
| Ethyl Benzene | 0.10 | Not Detected | 0.43 | Not Detected |
| m,p-Xylene | 0.10 | Not Detected | 0.43 | Not Detected |
| o-Xylene | 0.10 | Not Detected | 0.43 | Not Detected |
| Styrene | 0.10 | Not Detected | 0.42 | Not Detected |
| Bromoform | 0.50 | Not Detected | 5.2 | Not Detected |
| Cumene | 0.50 | Not Detected | 2.4 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.10 | Not Detected | 0.69 | Not Detected |
| Propylbenzene | 0.50 | Not Detected | 2.4 | Not Detected |
| 4-Ethyltoluene | 0.50 | Not Detected | 2.4 | Not Detected |
| 1,3,5-Trimethylbenzene | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,2,4-Trimethylbenzene | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,3-Dichlorobenzene | 0.10 | Not Detected | 0.60 | Not Detected |
| 1,4-Dichlorobenzene | 0.10 | Not Detected | 0.60 | Not Detected |
| alpha-Chlorotoluene | 0.10 | Not Detected | 0.52 | Not Detected |
| 1,2-Dichlorobenzene | 0.10 | Not Detected | 0.60 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.50 | Not Detected <i>US</i> | 3.7 | Not Detected |
| Hexachlorobutadiene | 0.50 | Not Detected | 5.3 | Not Detected |

Container Type: NA - Not Applicable

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|------------------|
| 1,2-Dichloroethane-d4 | 98 | 70-130 |
| Toluene-d8 | 93 | 70-130 |
| 4-Bromofluorobenzene | 81 | 70-130 |

AIR TOXICS LTD.

Client Sample ID: CCV

Lab ID#: 0512572A-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|--------------|---------|-----------------------------------|
| File Name: | g010910 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 1/9/06 04:47 PM |

| Compound | %Recovery |
|----------------------------------|-----------|
| Freon 12 | 112 |
| Freon 114 | 104 |
| Chloromethane | 118 |
| Vinyl Chloride | 109 |
| 1,3-Butadiene | 92 |
| Bromomethane | 108 |
| Chloroethane | 96 |
| Freon 11 | 96 |
| Ethanol | 89 |
| Freon 113 | 102 |
| 1,1-Dichloroethene | 88 |
| Acetone | 89 |
| 2-Propanol | 88 |
| Carbon Disulfide | 104 |
| Methylene Chloride | 100 |
| Methyl tert-butyl ether | 72 |
| trans-1,2-Dichloroethene | 86 |
| Hexane | 101 |
| 1,1-Dichloroethane | 104 |
| 2-Butanone (Methyl Ethyl Ketone) | 100 |
| cis-1,2-Dichloroethene | 89 |
| Tetrahydrofuran | 103 |
| Chloroform | 96 |
| 1,1,1-Trichloroethane | 95 |
| Cyclohexane | 97 |
| Carbon Tetrachloride | 101 |
| Benzene | 123 |
| 1,2-Dichloroethane | 118 |
| Heptane | 143 Q |
| Trichloroethene | 112 |
| 1,2-Dichloropropane | 120 |
| 1,4-Dioxane | 106 |
| Bromodichloromethane | 109 |
| cis-1,3-Dichloropropene | 90 |
| 4-Methyl-2-pentanone | 124 |
| Toluene | 116 |
| trans-1,3-Dichloropropene | 94 |
| 1,1,2-Trichloroethane | 116 |
| Tetrachloroethene | 110 |
| 2-Hexanone | 111 |
| Dibromochloromethane | 111 |
| 1,2-Dibromoethane (EDB) | 115 |

AIR TOXICS LTD.

Client Sample ID: CCV

Lab ID#: 0512572A-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|---------|--|
| File Name: | g010910 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 1/9/06 04:47 PM |

| Compound | %Recovery |
|---------------------------|-----------|
| Chlorobenzene | 117 |
| Ethyl Benzene | 119 |
| m,p-Xylene | 127 |
| o-Xylene | 115 |
| Styrene | 110 |
| Bromoform | 108 |
| Cumene | 106 |
| 1,1,2,2-Tetrachloroethane | 126 |
| Propylbenzene | 112 |
| 4-Ethyltoluene | 112 |
| 1,3,5-Trimethylbenzene | 123 |
| 1,2,4-Trimethylbenzene | 118 |
| 1,3-Dichlorobenzene | 111 |
| 1,4-Dichlorobenzene | 110 |
| alpha-Chlorotoluene | 103 |
| 1,2-Dichlorobenzene | 114 |
| 1,2,4-Trichlorobenzene | 132 Q |
| Hexachlorobutadiene | 112 |

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 96 | 70-130 |
| Toluene-d8 | 112 | 70-130 |
| 4-Bromofluorobenzene | 99 | 70-130 |

AIR TOXICS LTD.

Client Sample ID: LCS

Lab ID#: 0512572A-11A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|---------|--|
| File Name: | g010911 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 1/9/06 05:22 PM |

| Compound | %Recovery |
|----------------------------------|-----------|
| Freon 12 | 95 |
| Freon 114 | 89 |
| Chloromethane | 112 |
| Vinyl Chloride | 92 |
| 1,3-Butadiene | 106 |
| Bromomethane | 93 |
| Chloroethane | 80 |
| Freon 11 | 83 |
| Ethanol | 111 |
| Freon 113 | 89 |
| 1,1-Dichloroethene | 85 |
| Acetone | 111 |
| 2-Propanol | 83 |
| Carbon Disulfide | 119 |
| Methylene Chloride | 91 |
| Methyl tert-butyl ether | 74 |
| trans-1,2-Dichloroethene | 90 |
| Hexane | 110 |
| 1,1-Dichloroethane | 97 |
| 2-Butanone (Methyl Ethyl Ketone) | 104 |
| cis-1,2-Dichloroethene | 79 |
| Tetrahydrofuran | 109 |
| Chloroform | 89 |
| 1,1,1-Trichloroethane | 81 |
| Cyclohexane | 99 |
| Carbon Tetrachloride | 85 |
| Benzene | 107 |
| 1,2-Dichloroethane | 106 |
| Heptane | 145 Q |
| Trichloroethene | 99 |
| 1,2-Dichloropropane | 108 |
| 1,4-Dioxane | 100 |
| Bromodichloromethane | 110 |
| cis-1,3-Dichloropropene | 90 |
| 4-Methyl-2-pentanone | 118 |
| Toluene | 108 |
| trans-1,3-Dichloropropene | 89 |
| 1,1,2-Trichloroethane | 106 |
| Tetrachloroethene | 99 |
| 2-Hexanone | 98 |
| Dibromochloromethane | 107 |
| 1,2-Dibromoethane (EDB) | 117 |

AIR TOXICS LTD.

Client Sample ID: LCS

Lab ID#: 0512572A-11A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

| | | |
|---------------------|----------------|--|
| File Name: | g010911 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 1/9/06 05:22 PM |

| Compound | %Recovery |
|---------------------------|------------------|
| Chlorobenzene | 107 |
| Ethyl Benzene | 116 |
| m,p-Xylene | 113 |
| o-Xylene | 106 |
| Styrene | 111 |
| Bromoform | 98 |
| Cumene | 82 |
| 1,1,2,2-Tetrachloroethane | 108 |
| Propylbenzene | 101 |
| 4-Ethyltoluene | 96 |
| 1,3,5-Trimethylbenzene | 109 |
| 1,2,4-Trimethylbenzene | 112 |
| 1,3-Dichlorobenzene | 93 |
| 1,4-Dichlorobenzene | 99 |
| alpha-Chlorotoluene | 122 |
| 1,2-Dichlorobenzene | 94 |
| 1,2,4-Trichlorobenzene | 115 |
| Hexachlorobutadiene | 102 |

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

| Surrogates | %Recovery | Method Limits |
|-----------------------|------------------|----------------------|
| 1,2-Dichloroethane-d4 | 97 | 70-130 |
| Toluene-d8 | 110 | 70-130 |
| 4-Bromofluorobenzene | 97 | 70-130 |



Sample Transportation Notice

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(916) 985-1000 FAX (916) 985-1020

Page 1 of 1

CHAIN-OF-CUSTODY RECORD

Contact Person: YEMIA HASHIMOTO
 Company: GEOMARINE CONSULTANTS Email: YHASHIMOTO@GEOMARINE.COM
 Address: 2101 WEBSTER ST City: OAKLAND State: CA Zip: 94612
 Phone: 510.663.4109 Fax: 510.663.4141
 Collected by: (signature) [Signature]

Project Info:
 P.O. # 9328
 Project # 93205-14
 Project Name FORMER DRIVE + PARK

Turn Around Time: Lab Use Only
 Pressurized by: [Signature]
 Normal
 Rush
 Date: 12/30/05
 Pressurization Gas: N₂ He

| Lab I.D. | Field Sample I.D. (Location) | Can# | Date | Time | Analyses Requested | Canister Pressure/Vacuum | | | |
|----------|------------------------------|-----------|----------|-------|------------------------------|--------------------------|-------|-----------------------|----------------------|
| | | | | | | Initial | Final | Receipt | Final |
| 01A | 8-AMB-1-122005 | 344 21 | 12/20/05 | 9:36 | TO-15 (Low Detection Limits) | 23 | 1 | 6.0 ¹¹ kg | 5.1 ¹² kg |
| 02A | 8-AMB-2-122005 | 376 66 | 12/20/05 | 9:37 | TO-15 (Low Detection Limits) | 21.5 | 1 | 4.0 ¹¹ kg | 5.0 ¹² kg |
| 03A | 56-2-122005 | 444 52 | 12/20/05 | 11:50 | TO-15 (" ") | 21.5 | 2 | 3.5 ¹¹ kg | |
| 04A | 56-3-122005 | 347 32 | 12/20/05 | 13:49 | TO-15 (" ") | 22 | 4.5 | 10.5 ¹¹ kg | |
| 05A | AMB-3-122005 | 408 | 12/20/05 | 15:07 | TO-15 (" ") | 20 | 2 | 8.0 ¹¹ kg | |
| 06A | AMB-4-122005 | 252 38 | 12/20/05 | 15:09 | TO-15 (" ") | 20.5 | 2 | 8.0 ¹¹ kg | |
| 07A | 56-5-122005 | 4576 | 12/20/05 | 15:45 | TO-15 (" ") | 20.5 | 6 | 12.5 ¹¹ kg | |
| 08A | 56-1-122005 | 334 74 | 12/20/05 | 16:35 | TO-15 (Low Detection Limits) | 21 | 5 | 10.5 ¹¹ kg | 5.0 ¹² kg |

Relinquished by: (signature) [Signature] Date/Time 12/21/05 10:00
 Received by: (signature) [Signature] Date/Time 10/10 Notes: [Notes]
 Relinquished by: (signature) [Signature] Date/Time 12/27/05
 Received by: (signature) [Signature] Date/Time [Signature]
 Relinquished by: (signature) [Signature] Date/Time [Signature]
 Received by: (signature) [Signature] Date/Time [Signature]

Lab Use Only: Fedex Shipper Name: 84585-942542 Air Bill #: [Blank] Temp (°C): - Condition: good Customer Seals Intact?: Yes No None Work Order #: 0512578



Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

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Page 1 of 1

CHAIN-OF-CUSTODY RECORD

Contact Person: YEMICA HASHIMOTO
 Company: GEOMARINE CONSULTANTS Email: YHASHIMOTO@GEOMARINE.COM
 Address: 2101 WEBSTER ST City: OAKLAND State: CA Zip: 94612
 Phone: 510.663.4109 Fax: 510.663.4141
 Collected by: (signature) [Signature]

Project Info:
 P.O. # 93205
 Project # 93205-14
 Project Name FORMER DRIVE + PARK

Turn Around Time: Lab Use Only
 Pressurized by: [Signature]
 Normal
 Rush
 Date: 12/30/05
 Pressurization Gas: N₂ He

| Lab I.D. | Field Sample I.D. (Location) | Can# | Date | Time | Analyses Requested | Canister Pressure/Vacuum | | | |
|----------|------------------------------|------|----------|-------|------------------------------|--------------------------|-------|----------|-----------|
| | | | | | | Initial | Final | Receipt | Final PSI |
| 01A | 8-AMB-1-122005 | 344 | 12/20/05 | 9:36 | TO-15 (Low Detection Limits) | 23 | 1 | 6.0 PSI | 5.0 PSI |
| 02A | 8-AMB-2-122005 | 376 | 12/20/05 | 9:37 | TO-15 (Low Detection Limits) | 21.5 | 1 | 4.0 PSI | 5.0 PSI |
| 03A | SG-2-122005 | 444 | 12/20/05 | 11:50 | TO-15 (" ") | 21.5 | 6 | 3.5 PSI | |
| 04A | SG-3-122005 | 347 | 12/20/05 | 13:49 | TO-15 (" ") | 22 | 4.5 | 10.5 PSI | |
| 05A | AMB-3-122005 | 4098 | 12/20/05 | 15:07 | TO-15 (" ") | 20 | 2 | 8.0 PSI | |
| 06A | AMB-4-122005 | 252 | 12/20/05 | 15:09 | TO-15 (" ") | 20.5 | 2 | 8.0 PSI | |
| 07A | SG-5-122005 | 4576 | 12/20/05 | 15:45 | TO-15 (" ") | 20.5 | 6 | 12.5 PSI | |
| 08A | SG-1-122005 | 339 | 12/20/05 | 16:35 | TO-15 (Low Detection Limits) | 21 | 5 | 10.5 PSI | 5.0 PSI |

Relinquished by: (signature) [Signature] Date/Time 12/21/05 10:00
 Received by: (signature) [Signature] Date/Time 12/27/05 Notes: [Notes]

Relinquished by: (signature) _____ Date/Time _____
 Received by: (signature) _____ Date/Time _____

Relinquished by: (signature) _____ Date/Time _____
 Received by: (signature) _____ Date/Time _____

Lab Use Only

Shipper Name: FedEx Air Bill #: 84585-942542 Temp (°C): - Condition: good Customer Seals Intact? Yes No None Work Order #: 0512572



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Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

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Hours 8:00 A.M to 6:00 P.M. Pacific

WORK ORDER #: 0605150

Work Order Summary

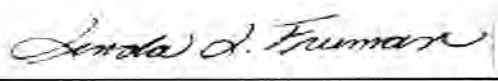
CLIENT: Ms. Yemia Hashimoto
Geomatrix Consultants
2101 Webster Street, 12th Floor
Oakland, CA 94612

BILL TO: Ms. Yemia Hashimoto
Geomatrix Consultants
2101 Webster Street, 12th Floor
Oakland, CA 94612

PHONE: 510-663-4100
FAX: 510-663-4141
DATE RECEIVED: 05/05/2006
DATE COMPLETED: 05/18/2006

P.O. #
PROJECT # 9328 Former Drive + Park
CONTACT: Kyle Vagadori

| <u>FRACTION #</u> | <u>NAME</u> | <u>TEST</u> | <u>RECEIPT VAC./PRES.</u> |
|-------------------|-----------------------|----------------------|---------------------------|
| 01A | SG-5-050306 | Modified TO-15 Hi/Lo | 8.5 "Hg |
| 01AA | SG-5-050306 Duplicate | Modified TO-15 Hi/Lo | 8.5 "Hg |
| 02A | SG-3-050306 | Modified TO-15 Hi/Lo | 7.0 "Hg |
| 03A | SG-2-050306 | Modified TO-15 Hi/Lo | 5.0 "Hg |
| 04A | SG-1-050306 | Modified TO-15 Hi/Lo | 4.0 "Hg |
| 05A | 8AMB-050306 | Modified TO-15 Hi/Lo | 13.0 "Hg |
| 06A | Trip Blank | Modified TO-15 Hi/Lo | 4.4 psi |
| 07A | Lab Blank | Modified TO-15 Hi/Lo | NA |
| 08A | CCV | Modified TO-15 Hi/Lo | NA |
| 09A | LCS | Modified TO-15 Hi/Lo | NA |

CERTIFIED BY: 

DATE: 05/18/06

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/05, Expiration date: 06/30/06

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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**LABORATORY NARRATIVE
 Modified TO-15 Full Scan/SIM
 Geomatrix Consultants
 Workorder# 0605150**

Six 6 Liter Summa Canister (100% Certified) samples were received on May 05, 2006. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the Full Scan and SIM acquisition modes. The method involves concentrating up to 1.0 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

Method modifications taken to run these samples are summarized in the below table. Specific project requirements may over-ride the ATL modifications.

| <i>Requirement</i> | <i>TO-15</i> | <i>ATL Modifications</i> |
|-------------------------------|--|--|
| ICAL %RSD acceptance criteria | $\leq 30\%$ RSD with 2 compounds allowed out to $< 40\%$ RSD | For Full Scan: 30% RSD with 4 compounds allowed out to $< 40\%$ RSD For SIM: Project specific; default criteria is $\leq 30\%$ RSD with 10% of compounds allowed out to $< 40\%$ RSD |
| Daily Calibration | $\pm 30\%$ Difference | For Full Scan: $\leq 30\%$ Difference with four allowed out up to $\leq 40\%$.; flag and narrate outliers For SIM: Project specific; default criteria is $\leq 30\%$ Difference with 10% of compounds allowed out up to $\leq 40\%$.; flag and narrate outliers |
| Blank and standards | Zero air | Nitrogen |
| Method Detection Limit | Follow 40CFR Pt.136 App. B | The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases |

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

All Quality Control Limit failures and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

The reported CCV and LCS for each daily batch may be derived from more than one analytical file due to the client's request for non-standard compounds.

Non-standard compounds may have different acceptance criteria than the standard TO-14A/TO-15



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compound list as per contract or verbal agreement.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



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Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: SG-5-050306

Lab ID#: 0605150-01A

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|------------------------|-------------------|---------------|--------------------|----------------|
| Freon 12 | 0.19 | 0.53 | 0.92 | 2.6 |
| Freon 11 | 0.19 | 0.36 | 1.0 | 2.0 |
| Acetone | 0.94 | 8.7 | 2.2 | 20 |
| 2-Propanol | 0.94 | 1.0 | 2.3 | 2.5 |
| Hexane | 0.94 | 4.1 | 3.3 | 14 |
| Chloroform | 0.19 | 0.82 | 0.91 | 4.0 |
| Cyclohexane | 0.94 | 7.9 | 3.2 | 27 |
| Benzene | 0.19 | 0.24 | 0.60 | 0.76 |
| Heptane | 0.94 | 1.1 | 3.8 | 4.4 |
| Toluene | 0.19 | 11 | 0.70 | 42 |
| Tetrachloroethene | 0.19 | 0.66 | 1.3 | 4.4 |
| Ethyl Benzene | 0.19 | 4.8 | 0.81 | 21 |
| m,p-Xylene | 0.19 | 12 | 0.81 | 52 |
| o-Xylene | 0.19 | 5.4 | 0.81 | 24 |
| Styrene | 0.19 | 8.6 | 0.80 | 37 |
| 1,2,4-Trimethylbenzene | 0.19 | 0.43 | 0.92 | 2.1 |
| 1,4-Dichlorobenzene | 0.19 | 4.5 | 1.1 | 27 |
| tert-Butyl alcohol | 3.7 | 8.5 J | 11 | 26 J |

Client Sample ID: SG-5-050306 Duplicate

Lab ID#: 0605150-01AA

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------|-------------------|---------------|--------------------|----------------|
| Acetone | 4.7 | 9.1 | 11 | 22 |
| Cyclohexane | 4.7 | 7.6 | 16 | 26 |
| Toluene | 0.94 | 10 | 3.5 | 39 |
| Ethyl Benzene | 0.94 | 4.7 | 4.0 | 20 |
| m,p-Xylene | 0.94 | 11 | 4.1 | 47 |
| o-Xylene | 0.94 | 5.1 | 4.1 | 22 |
| Styrene | 0.94 | 7.0 | 4.0 | 30 |
| 1,4-Dichlorobenzene | 0.94 | 4.3 | 5.6 | 26 |

Client Sample ID: SG-3-050306

Lab ID#: 0605150-02A

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------|-------------------|---------------|--------------------|----------------|
|----------|-------------------|---------------|--------------------|----------------|



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Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: SG-3-050306

Lab ID#: 0605150-02A

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|-------------------|---------------|--------------------|----------------|
| Freon 12 | 0.18 | 0.45 | 0.86 | 2.2 |
| Freon 11 | 0.18 | 0.34 | 0.98 | 1.9 |
| Ethanol | 0.88 | 1.6 | 1.6 | 3.0 |
| Acetone | 0.88 | 16 | 2.1 | 39 |
| 2-Propanol | 0.88 | 1.5 | 2.2 | 3.7 |
| Carbon Disulfide | 0.88 | 1.5 | 2.7 | 4.6 |
| Methylene Chloride | 0.35 | 0.46 | 1.2 | 1.6 |
| Hexane | 0.88 | 54 | 3.1 | 190 |
| 2-Butanone (Methyl Ethyl Ketone) | 0.88 | 1.9 | 2.6 | 5.6 |
| Cyclohexane | 0.88 | 12 | 3.0 | 42 |
| Benzene | 0.18 | 0.26 | 0.56 | 0.84 |
| Heptane | 0.88 | 1.1 | 3.6 | 4.7 |
| Toluene | 0.18 | 38 | 0.66 | 140 |
| Tetrachloroethene | 0.18 | 0.79 | 1.2 | 5.4 |
| Ethyl Benzene | 0.18 | 4.9 | 0.76 | 21 |
| m,p-Xylene | 0.18 | 12 | 0.76 | 53 |
| o-Xylene | 0.18 | 5.4 | 0.76 | 24 |
| Styrene | 0.18 | 7.4 | 0.74 | 31 |
| 1,3,5-Trimethylbenzene | 0.18 | 0.18 | 0.86 | 0.88 |
| 1,2,4-Trimethylbenzene | 0.18 | 0.50 | 0.86 | 2.5 |
| 1,4-Dichlorobenzene | 0.18 | 8.5 | 1.0 | 51 |
| tert-Butyl alcohol | 3.5 | 10 J | 11 | 31 J |

Client Sample ID: SG-2-050306

Lab ID#: 0605150-03A

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|--------------------|-------------------|---------------|--------------------|----------------|
| Freon 12 | 0.16 | 0.52 | 0.80 | 2.6 |
| Freon 11 | 0.16 | 0.31 | 0.90 | 1.8 |
| Acetone | 0.80 | 5.8 | 1.9 | 14 |
| 2-Propanol | 0.80 | 0.93 | 2.0 | 2.3 |
| Methylene Chloride | 0.32 | 0.52 | 1.1 | 1.8 |
| Chloroform | 0.16 | 0.17 | 0.79 | 0.84 |
| Cyclohexane | 0.80 | 10 | 2.8 | 35 |
| Benzene | 0.16 | 0.20 | 0.51 | 0.64 |
| Heptane | 0.80 | 0.92 | 3.3 | 3.8 |
| Toluene | 0.16 | 6.2 | 0.61 | 23 |



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Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: SG-2-050306

Lab ID#: 0605150-03A

| | | | | |
|------------------------|------|------|------|------|
| Tetrachloroethene | 0.16 | 0.59 | 1.1 | 4.0 |
| Ethyl Benzene | 0.16 | 6.0 | 0.70 | 26 |
| m,p-Xylene | 0.16 | 15 | 0.70 | 64 |
| o-Xylene | 0.16 | 7.1 | 0.70 | 31 |
| Styrene | 0.16 | 12 | 0.68 | 49 |
| Cumene | 0.80 | 1.0 | 4.0 | 5.2 |
| 1,3,5-Trimethylbenzene | 0.16 | 0.18 | 0.79 | 0.90 |
| 1,2,4-Trimethylbenzene | 0.16 | 0.48 | 0.79 | 2.4 |
| 1,4-Dichlorobenzene | 0.16 | 5.6 | 0.97 | 33 |
| tert-Butyl alcohol | 3.2 | 13 J | 9.8 | 40 J |

Client Sample ID: SG-1-050306

Lab ID#: 0605150-04A

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|------------------------|-------------------|---------------|--------------------|----------------|
| Freon 12 | 0.16 | 0.30 | 0.77 | 1.5 |
| Chloromethane | 0.16 | 0.16 | 0.32 | 0.33 |
| Freon 11 | 0.16 | 0.31 | 0.87 | 1.7 |
| Acetone | 0.78 | 4.1 | 1.8 | 9.8 |
| 2-Propanol | 0.78 | 1.1 | 1.9 | 2.8 |
| Hexane | 0.78 | 19 | 2.7 | 67 |
| Chloroform | 0.16 | 14 | 0.76 | 67 |
| 1,1,1-Trichloroethane | 0.16 | 0.18 | 0.84 | 0.98 |
| Cyclohexane | 0.78 | 10 | 2.7 | 35 |
| Carbon Tetrachloride | 0.16 | 2.4 | 0.98 | 15 |
| Benzene | 0.16 | 0.19 | 0.50 | 0.59 |
| Heptane | 0.78 | 1.1 | 3.2 | 4.7 |
| Toluene | 0.16 | 7.7 | 0.58 | 29 |
| Tetrachloroethene | 0.16 | 0.33 | 1.0 | 2.2 |
| Ethyl Benzene | 0.16 | 5.9 | 0.67 | 25 |
| m,p-Xylene | 0.16 | 14 | 0.67 | 62 |
| o-Xylene | 0.16 | 6.8 | 0.67 | 30 |
| Styrene | 0.16 | 12 | 0.66 | 50 |
| Cumene | 0.78 | 1.0 | 3.8 | 5.0 |
| 1,3,5-Trimethylbenzene | 0.16 | 0.16 | 0.76 | 0.79 |
| 1,2,4-Trimethylbenzene | 0.16 | 0.45 | 0.76 | 2.2 |
| 1,4-Dichlorobenzene | 0.16 | 5.0 | 0.93 | 30 |
| tert-Butyl alcohol | 3.1 | 7.9 J | 9.4 | 24 J |



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Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

Client Sample ID: 8AMB-050306

Lab ID#: 0605150-05A

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|----------------------|------------------|-----------------------|-------------------|
| Freon 12 | 0.24 | 0.57 | 1.2 | 2.8 |
| Chloromethane | 0.24 | 0.82 | 0.49 | 1.7 |
| Freon 11 | 0.24 | 0.29 | 1.3 | 1.6 |
| Ethanol | 1.2 | 82 | 2.2 | 150 |
| Acetone | 1.2 | 38 | 2.8 | 89 |
| 2-Propanol | 1.2 | 6.2 | 2.9 | 15 |
| Methylene Chloride | 0.47 | 0.91 | 1.6 | 3.1 |
| 2-Butanone (Methyl Ethyl Ketone) | 1.2 | 1.6 | 3.5 | 4.8 |
| Cyclohexane | 1.2 | 16 | 4.1 | 54 |
| Benzene | 0.24 | 0.53 | 0.75 | 1.7 |
| Heptane | 1.2 | 1.4 | 4.8 | 5.9 |
| Toluene | 0.24 | 8.7 | 0.89 | 33 |
| Ethyl Benzene | 0.24 | 6.7 | 1.0 | 29 |
| m,p-Xylene | 0.24 | 16 | 1.0 | 70 |
| o-Xylene | 0.24 | 7.2 | 1.0 | 31 |
| Styrene | 0.24 | 11 | 1.0 | 46 |
| 1,2,4-Trimethylbenzene | 0.24 | 0.43 | 1.2 | 2.1 |
| 1,4-Dichlorobenzene | 0.24 | 7.2 | 1.4 | 43 |
| tert-Butyl alcohol | 4.7 | 30 J | 14 | 90 J |

Client Sample ID: Trip Blank

Lab ID#: 0605150-06A

No Detections Were Found.



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Client Sample ID: SG-5-050306

Lab ID#: 0605150-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

| | | | |
|--------------|---------|---------------------|------------------|
| File Name: | 7051712 | Date of Collection: | 5/3/06 |
| Dil. Factor: | 1.87 | Date of Analysis: | 5/17/06 08:32 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|-------------------|-----------------|--------------------|----------------|
| Freon 12 | 0.19 | 0.53 | 0.92 | 2.6 |
| Freon 114 | 0.19 | Not Detected | 1.3 | Not Detected |
| Chloromethane | 0.19 | Not Detected | 0.39 | Not Detected |
| Vinyl Chloride | 0.19 | Not Detected | 0.48 | Not Detected |
| 1,3-Butadiene | 0.94 | Not Detected | 2.1 | Not Detected |
| Bromomethane | 0.19 | Not Detected | 0.73 | Not Detected |
| Chloroethane | 0.19 | Not Detected 45 | 0.49 | Not Detected |
| Freon 11 | 0.19 | 0.36 | 1.0 | 2.0 |
| Ethanol | 0.94 | Not Detected | 1.8 | Not Detected |
| Freon 113 | 0.19 | Not Detected | 1.4 | Not Detected |
| 1,1-Dichloroethene | 0.19 | Not Detected | 0.74 | Not Detected |
| Acetone | 0.94 | 8.7 | 2.2 | 20 |
| 2-Propanol | 0.94 | 1.0 | 2.3 | 2.5 |
| Carbon Disulfide | 0.94 | Not Detected | 2.9 | Not Detected |
| Methylene Chloride | 0.37 | Not Detected | 1.3 | Not Detected |
| Methyl tert-butyl ether | 0.19 | Not Detected | 0.67 | Not Detected |
| trans-1,2-Dichloroethene | 0.19 | Not Detected | 0.74 | Not Detected |
| Hexane | 0.94 | 4.1 | 3.3 | 14 |
| 1,1-Dichloroethane | 0.19 | Not Detected | 0.76 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.94 | Not Detected | 2.8 | Not Detected |
| cis-1,2-Dichloroethene | 0.19 | Not Detected | 0.74 | Not Detected |
| Tetrahydrofuran | 0.94 | Not Detected | 2.8 | Not Detected |
| Chloroform | 0.19 | 0.82 | 0.91 | 4.0 |
| 1,1,1-Trichloroethane | 0.19 | Not Detected | 1.0 | Not Detected |
| Cyclohexane | 0.94 | 7.9 | 3.2 | 27 |
| Carbon Tetrachloride | 0.19 | Not Detected | 1.2 | Not Detected |
| Benzene | 0.19 | 0.24 | 0.60 | 0.76 |
| 1,2-Dichloroethane | 0.19 | Not Detected 45 | 0.76 | Not Detected |
| Heptane | 0.94 | 1.1 | 3.8 | 4.4 |
| Trichloroethene | 0.19 | Not Detected | 1.0 | Not Detected |
| 1,2-Dichloropropane | 0.19 | Not Detected | 0.86 | Not Detected |
| 1,4-Dioxane | 0.94 | Not Detected | 3.4 | Not Detected |
| Bromodichloromethane | 0.94 | Not Detected | 6.3 | Not Detected |
| cis-1,3-Dichloropropene | 0.19 | Not Detected | 0.85 | Not Detected |
| 4-Methyl-2-pentanone | 0.94 | Not Detected | 3.8 | Not Detected |
| Toluene | 0.19 | 11 | 0.70 | 42 |
| trans-1,3-Dichloropropene | 0.19 | Not Detected | 0.85 | Not Detected |
| 1,1,2-Trichloroethane | 0.19 | Not Detected | 1.0 | Not Detected |
| Tetrachloroethene | 0.19 | 0.66 | 1.3 | 4.4 |
| 2-Hexanone | 0.94 | Not Detected | 3.8 | Not Detected |



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Client Sample ID: SG-5-050306

Lab ID#: 0605150-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

| | | | |
|--------------|---------|---------------------|------------------|
| File Name: | 7051712 | Date of Collection: | 5/3/06 |
| Dil. Factor: | 1.87 | Date of Analysis: | 5/17/06 08:32 PM |

| Compound | Rot. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------------|-------------------|------------------------|--------------------|----------------|
| Dibromochloromethane | 0.94 | Not Detected | 8.0 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.19 | Not Detected | 1.4 | Not Detected |
| Chlorobenzene | 0.19 | Not Detected | 0.86 | Not Detected |
| Ethyl Benzene | 0.19 | 4.8 | 0.81 | 21 |
| m,p-Xylene | 0.19 | 12 | 0.81 | 52 |
| o-Xylene | 0.19 | 5.4 | 0.81 | 24 |
| Styrene | 0.19 | 8.6 | 0.80 | 37 |
| Bromoform | 0.94 | Not Detected <i>uJ</i> | 9.7 | Not Detected |
| Cumene | 0.94 | Not Detected | 4.6 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.19 | Not Detected | 1.3 | Not Detected |
| Propylbenzene | 0.94 | Not Detected | 4.6 | Not Detected |
| 4-Ethyltoluene | 0.94 | Not Detected | 4.6 | Not Detected |
| 1,3,5-Trimethylbenzene | 0.19 | Not Detected | 0.92 | Not Detected |
| 1,2,4-Trimethylbenzene | 0.19 | 0.43 | 0.92 | 2.1 |
| 1,3-Dichlorobenzene | 0.19 | Not Detected | 1.1 | Not Detected |
| 1,4-Dichlorobenzene | 0.19 | 4.5 | 1.1 | 27 |
| alpha-Chlorotoluene | 0.19 | Not Detected | 0.97 | Not Detected |
| 1,2-Dichlorobenzene | 0.19 | Not Detected | 1.1 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.94 | Not Detected <i>R</i> | 6.9 | Not Detected |
| Hexachlorobutadiene | 0.94 | Not Detected | 10 | Not Detected |
| tert-Butyl alcohol | 3.7 | 8.5 <i>J J</i> | 11 | 26 <i>J</i> |
| tert-Amyl methyl ether | 3.7 | Not Detected | 16 | Not Detected |
| Ethyl-tert-butyl ether | 3.7 | Not Detected | 16 | Not Detected |
| Isopropyl ether | 3.7 | Not Detected | 16 | Not Detected |

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister (100% Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 119 | 70-130 |
| Toluene-d8 | 102 | 70-130 |
| 4-Bromofluorobenzene | 109 | 70-130 |



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SG-5-050306 Duplicate

Lab ID#: 0605150-01AA

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

| | | | |
|--------------|---------|---------------------|------------------|
| File Name: | 7051711 | Date of Collection: | 5/3/06 |
| Dil. Factor: | 9.35 | Date of Analysis: | 5/17/06 07:33 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|-------------------|-----------------|--------------------|----------------|
| Freon 12 | 0.94 | Not Detected | 4.6 | Not Detected |
| Freon 114 | 0.94 | Not Detected | 6.5 | Not Detected |
| Chloromethane | 0.94 | Not Detected | 1.9 | Not Detected |
| Vinyl Chloride | 0.94 | Not Detected | 2.4 | Not Detected |
| 1,3-Butadiene | 4.7 | Not Detected | 10 | Not Detected |
| Bromomethane | 0.94 | Not Detected | 3.6 | Not Detected |
| Chloroethane | 0.94 | Not Detected uJ | 2.5 | Not Detected |
| Freon 11 | 0.94 | Not Detected | 5.2 | Not Detected |
| Ethanol | 4.7 | Not Detected | 8.8 | Not Detected |
| Freon 113 | 0.94 | Not Detected | 7.2 | Not Detected |
| 1,1-Dichloroethene | 0.94 | Not Detected | 3.7 | Not Detected |
| Acetone | 4.7 | 9.1 | 11 | 22 |
| 2-Propanol | 4.7 | Not Detected | 11 | Not Detected |
| Carbon Disulfide | 4.7 | Not Detected | 14 | Not Detected |
| Methylene Chloride | 1.9 | Not Detected | 6.5 | Not Detected |
| Methyl tert-butyl ether | 0.94 | Not Detected | 3.4 | Not Detected |
| trans-1,2-Dichloroethene | 0.94 | Not Detected | 3.7 | Not Detected |
| Hexane | 4.7 | Not Detected | 16 | Not Detected |
| 1,1-Dichloroethane | 0.94 | Not Detected | 3.8 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 4.7 | Not Detected | 14 | Not Detected |
| cis-1,2-Dichloroethene | 0.94 | Not Detected | 3.7 | Not Detected |
| Tetrahydrofuran | 4.7 | Not Detected | 14 | Not Detected |
| Chloroform | 0.94 | Not Detected | 4.6 | Not Detected |
| 1,1,1-Trichloroethane | 0.94 | Not Detected | 5.1 | Not Detected |
| Cyclohexane | 4.7 | 7.6 | 16 | 26 |
| Carbon Tetrachloride | 0.94 | Not Detected | 5.9 | Not Detected |
| Benzene | 0.94 | Not Detected | 3.0 | Not Detected |
| 1,2-Dichloroethane | 0.94 | Not Detected uJ | 3.8 | Not Detected |
| Heptane | 4.7 | Not Detected | 19 | Not Detected |
| Trichloroethene | 0.94 | Not Detected | 5.0 | Not Detected |
| 1,2-Dichloropropane | 0.94 | Not Detected | 4.3 | Not Detected |
| 1,4-Dioxane | 4.7 | Not Detected | 17 | Not Detected |
| Bromodichloromethane | 4.7 | Not Detected | 31 | Not Detected |
| cis-1,3-Dichloropropene | 0.94 | Not Detected | 4.2 | Not Detected |
| 4-Methyl-2-pentanone | 4.7 | Not Detected | 19 | Not Detected |
| Toluene | 0.94 | 10 | 3.5 | 39 |
| trans-1,3-Dichloropropene | 0.94 | Not Detected | 4.2 | Not Detected |
| 1,1,2-Trichloroethane | 0.94 | Not Detected | 5.1 | Not Detected |
| Tetrachloroethene | 0.94 | Not Detected | 6.3 | Not Detected |
| 2-Hexanone | 4.7 | Not Detected | 19 | Not Detected |



Client Sample ID: SG-5-050306 Duplicate

Lab ID#: 0605150-01AA

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

| | | | |
|--------------|---------|---------------------|------------------|
| File Name: | 7051711 | Date of Collection: | 5/3/06 |
| Dil. Factor: | 9.35 | Date of Analysis: | 5/17/06 07:33 PM |

| Compound | Rot. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------------|-------------------|------------------------|--------------------|----------------|
| Dibromochloromethane | 4.7 | Not Detected | 40 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.94 | Not Detected | 7.2 | Not Detected |
| Chlorobenzene | 0.94 | Not Detected | 4.3 | Not Detected |
| Ethyl Benzene | 0.94 | 4.7 | 4.0 | 20 |
| m,p-Xylene | 0.94 | 11 | 4.1 | 47 |
| o-Xylene | 0.94 | 5.1 | 4.1 | 22 |
| Styrene | 0.94 | 7.0 | 4.0 | 30 |
| Bromoform | 4.7 | Not Detected <i>uS</i> | 48 | Not Detected |
| Cumene | 4.7 | Not Detected | 23 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.94 | Not Detected | 6.4 | Not Detected |
| Propylbenzene | 4.7 | Not Detected | 23 | Not Detected |
| 4-Ethyltoluene | 4.7 | Not Detected | 23 | Not Detected |
| 1,3,5-Trimethylbenzene | 0.94 | Not Detected | 4.6 | Not Detected |
| 1,2,4-Trimethylbenzene | 0.94 | Not Detected | 4.6 | Not Detected |
| 1,3-Dichlorobenzene | 0.94 | Not Detected | 5.6 | Not Detected |
| 1,4-Dichlorobenzene | 0.94 | 4.3 | 5.6 | 26 |
| alpha-Chlorotoluene | 0.94 | Not Detected | 4.8 | Not Detected |
| 1,2-Dichlorobenzene | 0.94 | Not Detected | 5.6 | Not Detected |
| 1,2,4-Trichlorobenzene | 4.7 | Not Detected <i>R</i> | 35 | Not Detected |
| Hexachlorobutadiene | 4.7 | Not Detected | 50 | Not Detected |
| tert-Butyl alcohol | 19 | Not Detected <i>uS</i> | 57 | Not Detected |
| tert-Amyl methyl ether | 19 | Not Detected | 78 | Not Detected |
| Ethyl-tert-butyl ether | 19 | Not Detected | 78 | Not Detected |
| Isopropyl ether | 19 | Not Detected | 78 | Not Detected |

Container Type: 6 Liter Summa Canister (100% Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 119 | 70-130 |
| Toluene-d8 | 98 | 70-130 |
| 4-Bromofluorobenzene | 108 | 70-130 |



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SG-3-050306

Lab ID#: 0605150-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

| File Name: | 7051713 | Date of Collection: | 5/3/06 | |
|----------------------------------|-------------------|------------------------|--------------------|----------------|
| Dil. Factor: | 1.75 | Date of Analysis: | 5/17/06 09:25 PM | |
| Compound | Rot. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
| Freon 12 | 0.18 | 0.45 | 0.86 | 2.2 |
| Freon 114 | 0.18 | Not Detected | 1.2 | Not Detected |
| Chloromethane | 0.18 | Not Detected | 0.36 | Not Detected |
| Vinyl Chloride | 0.18 | Not Detected | 0.45 | Not Detected |
| 1,3-Butadiene | 0.88 | Not Detected | 1.9 | Not Detected |
| Bromomethane | 0.18 | Not Detected | 0.68 | Not Detected |
| Chloroethane | 0.18 | Not Detected <i>uJ</i> | 0.46 | Not Detected |
| Freon 11 | 0.18 | 0.34 | 0.98 | 1.9 |
| Ethanol | 0.88 | 1.6 | 1.6 | 3.0 |
| Freon 113 | 0.18 | Not Detected | 1.3 | Not Detected |
| 1,1-Dichloroethene | 0.18 | Not Detected | 0.69 | Not Detected |
| Acetone | 0.88 | 16 | 2.1 | 39 |
| 2-Propanol | 0.88 | 1.5 | 2.2 | 3.7 |
| Carbon Disulfide | 0.88 | 1.5 | 2.7 | 4.6 |
| Methylene Chloride | 0.35 | 0.46 | 1.2 | 1.6 |
| Methyl tert-butyl ether | 0.18 | Not Detected | 0.63 | Not Detected |
| trans-1,2-Dichloroethene | 0.18 | Not Detected | 0.69 | Not Detected |
| Hexane | 0.88 | 54 | 3.1 | 190 |
| 1,1-Dichloroethane | 0.18 | Not Detected | 0.71 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.88 | 1.9 | 2.6 | 5.6 |
| cis-1,2-Dichloroethene | 0.18 | Not Detected | 0.69 | Not Detected |
| Tetrahydrofuran | 0.88 | Not Detected | 2.6 | Not Detected |
| Chloroform | 0.18 | Not Detected | 0.85 | Not Detected |
| 1,1,1-Trichloroethane | 0.18 | Not Detected | 0.95 | Not Detected |
| Cyclohexane | 0.88 | 12 | 3.0 | 42 |
| Carbon Tetrachloride | 0.18 | Not Detected | 1.1 | Not Detected |
| Benzene | 0.18 | 0.26 | 0.56 | 0.84 |
| 1,2-Dichloroethane | 0.18 | Not Detected <i>uJ</i> | 0.71 | Not Detected |
| Heptane | 0.88 | 1.1 | 3.6 | 4.7 |
| Trichloroethene | 0.18 | Not Detected | 0.94 | Not Detected |
| 1,2-Dichloropropane | 0.18 | Not Detected | 0.81 | Not Detected |
| 1,4-Dioxane | 0.88 | Not Detected | 3.2 | Not Detected |
| Bromodichloromethane | 0.88 | Not Detected | 5.9 | Not Detected |
| cis-1,3-Dichloropropene | 0.18 | Not Detected | 0.79 | Not Detected |
| 4-Methyl-2-pentanone | 0.88 | Not Detected | 3.6 | Not Detected |
| Toluene | 0.18 | 38 | 0.66 | 140 |
| trans-1,3-Dichloropropene | 0.18 | Not Detected | 0.79 | Not Detected |
| 1,1,2-Trichloroethane | 0.18 | Not Detected | 0.95 | Not Detected |
| Tetrachloroethene | 0.18 | 0.79 | 1.2 | 5.4 |
| 2-Hexanone | 0.88 | Not Detected | 3.6 | Not Detected |

Client Sample ID: SG-3-050306

Lab ID#: 0605150-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

| | | | |
|--------------|---------|---------------------|------------------|
| File Name: | 7051713 | Date of Collection: | 5/3/06 |
| Dil. Factor: | 1.75 | Date of Analysis: | 5/17/06 09:25 PM |

| Compound | Rot. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------------|-------------------|------------------------|--------------------|----------------|
| Dibromochloromethane | 0.88 | Not Detected | 7.4 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.18 | Not Detected | 1.3 | Not Detected |
| Chlorobenzene | 0.18 | Not Detected | 0.80 | Not Detected |
| Ethyl Benzene | 0.18 | 4.9 | 0.76 | 21 |
| m,p-Xylene | 0.18 | 12 | 0.76 | 53 |
| o-Xylene | 0.18 | 5.4 | 0.76 | 24 |
| Styrene | 0.18 | 7.4 | 0.74 | 31 |
| Bromoform | 0.88 | Not Detected <i>UJ</i> | 9.0 | Not Detected |
| Cumene | 0.88 | Not Detected | 4.3 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.18 | Not Detected | 1.2 | Not Detected |
| Propylbenzene | 0.88 | Not Detected | 4.3 | Not Detected |
| 4-Ethyltoluene | 0.88 | Not Detected | 4.3 | Not Detected |
| 1,3,5-Trimethylbenzene | 0.18 | 0.18 | 0.86 | 0.88 |
| 1,2,4-Trimethylbenzene | 0.18 | 0.50 | 0.86 | 2.5 |
| 1,3-Dichlorobenzene | 0.18 | Not Detected | 1.0 | Not Detected |
| 1,4-Dichlorobenzene | 0.18 | 8.5 | 1.0 | 51 |
| alpha-Chlorotoluene | 0.18 | Not Detected | 0.90 | Not Detected |
| 1,2-Dichlorobenzene | 0.18 | Not Detected | 1.0 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.88 | Not Detected <i>R</i> | 6.5 | Not Detected |
| Hexachlorobutadiene | 0.88 | Not Detected | 9.3 | Not Detected |
| tert-Butyl alcohol | 3.5 | 10 <i>J J</i> | 11 | 31 <i>J</i> |
| tert-Amyl methyl ether | 3.5 | Not Detected | 15 | Not Detected |
| Ethyl-tert-butyl ether | 3.5 | Not Detected | 15 | Not Detected |
| Isopropyl ether | 3.5 | Not Detected | 15 | Not Detected |

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister (100% Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 115 | 70-130 |
| Toluene-d8 | 101 | 70-130 |
| 4-Bromofluorobenzene | 110 | 70-130 |



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SG-2-050306

Lab ID#: 0605150-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

| | | | |
|--------------|---------|---------------------|------------------|
| File Name: | 7051714 | Date of Collection: | 5/3/06 |
| Dil. Factor: | 1.61 | Date of Analysis: | 5/17/06 11:04 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|-------------------|------------------------|--------------------|----------------|
| Freon 12 | 0.16 | 0.52 | 0.80 | 2.6 |
| Freon 114 | 0.16 | Not Detected | 1.1 | Not Detected |
| Chloromethane | 0.16 | Not Detected | 0.33 | Not Detected |
| Vinyl Chloride | 0.16 | Not Detected | 0.41 | Not Detected |
| 1,3-Butadiene | 0.80 | Not Detected | 1.8 | Not Detected |
| Bromomethane | 0.16 | Not Detected | 0.62 | Not Detected |
| Chloroethane | 0.16 | Not Detected <i>uS</i> | 0.42 | Not Detected |
| Freon 11 | 0.16 | 0.31 | 0.90 | 1.8 |
| Ethanol | 0.80 | Not Detected | 1.5 | Not Detected |
| Freon 113 | 0.16 | Not Detected | 1.2 | Not Detected |
| 1,1-Dichloroethene | 0.16 | Not Detected | 0.64 | Not Detected |
| Acetone | 0.80 | 5.8 | 1.9 | 14 |
| 2-Propanol | 0.80 | 0.93 | 2.0 | 2.3 |
| Carbon Disulfide | 0.80 | Not Detected | 2.5 | Not Detected |
| Methylene Chloride | 0.32 | 0.52 | 1.1 | 1.8 |
| Methyl tert-butyl ether | 0.16 | Not Detected | 0.58 | Not Detected |
| trans-1,2-Dichloroethene | 0.16 | Not Detected | 0.64 | Not Detected |
| Hexane | 0.80 | Not Detected | 2.8 | Not Detected |
| 1,1-Dichloroethane | 0.16 | Not Detected | 0.65 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.80 | Not Detected | 2.4 | Not Detected |
| cis-1,2-Dichloroethene | 0.16 | Not Detected | 0.64 | Not Detected |
| Tetrahydrofuran | 0.80 | Not Detected | 2.4 | Not Detected |
| Chloroform | 0.16 | 0.17 | 0.79 | 0.84 |
| 1,1,1-Trichloroethane | 0.16 | Not Detected | 0.88 | Not Detected |
| Cyclohexane | 0.80 | 10 | 2.8 | 35 |
| Carbon Tetrachloride | 0.16 | Not Detected | 1.0 | Not Detected |
| Benzene | 0.16 | 0.20 | 0.51 | 0.64 |
| 1,2-Dichloroethane | 0.16 | Not Detected <i>uS</i> | 0.65 | Not Detected |
| Heptane | 0.80 | 0.92 | 3.3 | 3.8 |
| Trichloroethene | 0.16 | Not Detected | 0.86 | Not Detected |
| 1,2-Dichloropropane | 0.16 | Not Detected | 0.74 | Not Detected |
| 1,4-Dioxane | 0.80 | Not Detected | 2.9 | Not Detected |
| Bromodichloromethane | 0.80 | Not Detected | 5.4 | Not Detected |
| cis-1,3-Dichloropropene | 0.16 | Not Detected | 0.73 | Not Detected |
| 4-Methyl-2-pentanone | 0.80 | Not Detected | 3.3 | Not Detected |
| Toluene | 0.16 | 6.2 | 0.61 | 23 |
| trans-1,3-Dichloropropene | 0.16 | Not Detected | 0.73 | Not Detected |
| 1,1,2-Trichloroethane | 0.16 | Not Detected | 0.88 | Not Detected |
| Tetrachloroethene | 0.16 | 0.59 | 1.1 | 4.0 |
| 2-Hexanone | 0.80 | Not Detected | 3.3 | Not Detected |



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SG-2-050306

Lab ID#: 0605150-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

| | | | |
|--------------|---------|---------------------|------------------|
| File Name: | 7051714 | Date of Collection: | 5/3/06 |
| DIL. Factor: | 1.61 | Date of Analysis: | 5/17/06 11:04 PM |

| Compound | Rot. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------------|-------------------|------------------------|--------------------|----------------|
| Dibromochloromethane | 0.80 | Not Detected | 6.8 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.16 | Not Detected | 1.2 | Not Detected |
| Chlorobenzene | 0.16 | Not Detected | 0.74 | Not Detected |
| Ethyl Benzene | 0.16 | 6.0 | 0.70 | 26 |
| m,p-Xylene | 0.16 | 15 | 0.70 | 64 |
| o-Xylene | 0.16 | 7.1 | 0.70 | 31 |
| Styrene | 0.16 | 12 | 0.68 | 49 |
| Bromoform | 0.80 | Not Detected <i>WJ</i> | 8.3 | Not Detected |
| Cumene | 0.80 | 1.0 | 4.0 | 5.2 |
| 1,1,2,2-Tetrachloroethane | 0.16 | Not Detected | 1.1 | Not Detected |
| Propylbenzene | 0.80 | Not Detected | 4.0 | Not Detected |
| 4-Ethyltoluene | 0.80 | Not Detected | 4.0 | Not Detected |
| 1,3,5-Trimethylbenzene | 0.16 | 0.18 | 0.79 | 0.90 |
| 1,2,4-Trimethylbenzene | 0.16 | 0.48 | 0.79 | 2.4 |
| 1,3-Dichlorobenzene | 0.16 | Not Detected | 0.97 | Not Detected |
| 1,4-Dichlorobenzene | 0.16 | 5.6 | 0.97 | 33 |
| alpha-Chlorotoluene | 0.16 | Not Detected | 0.83 | Not Detected |
| 1,2-Dichlorobenzene | 0.16 | Not Detected | 0.97 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.80 | Not Detected <i>R</i> | 6.0 | Not Detected |
| Hexachlorobutadiene | 0.80 | Not Detected | 8.6 | Not Detected |
| tert-Butyl alcohol | 3.2 | 13 <i>J J</i> | 9.8 | 40 <i>J</i> |
| tert-Amyl methyl ether | 3.2 | Not Detected | 13 | Not Detected |
| Ethyl-tert-butyl ether | 3.2 | Not Detected | 13 | Not Detected |
| Isopropyl ether | 3.2 | Not Detected | 13 | Not Detected |

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister (100% Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 106 | 70-130 |
| Toluene-d8 | 100 | 70-130 |
| 4-Bromofluorobenzene | 105 | 70-130 |



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SG-1-050306

Lab ID#: 0605150-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

| | | | |
|--------------|---------|---------------------|------------------|
| File Name: | 7051715 | Date of Collection: | 5/3/06 |
| Dil. Factor: | 1.55 | Date of Analysis: | 5/17/06 11:58 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|-------------------|------------------------|--------------------|----------------|
| Freon 12 | 0.16 | 0.30 | 0.77 | 1.5 |
| Freon 114 | 0.16 | Not Detected | 1.1 | Not Detected |
| Chloromethane | 0.16 | 0.16 | 0.32 | 0.33 |
| Vinyl Chloride | 0.16 | Not Detected | 0.40 | Not Detected |
| 1,3-Butadiene | 0.78 | Not Detected | 1.7 | Not Detected |
| Bromomethane | 0.16 | Not Detected | 0.60 | Not Detected |
| Chloroethane | 0.16 | Not Detected <i>US</i> | 0.41 | Not Detected |
| Freon 11 | 0.16 | 0.31 | 0.87 | 1.7 |
| Ethanol | 0.78 | Not Detected | 1.5 | Not Detected |
| Freon 113 | 0.16 | Not Detected | 1.2 | Not Detected |
| 1,1-Dichloroethene | 0.16 | Not Detected | 0.61 | Not Detected |
| Acetone | 0.78 | 4.1 | 1.8 | 9.8 |
| 2-Propanol | 0.78 | 1.1 | 1.9 | 2.8 |
| Carbon Disulfide | 0.78 | Not Detected | 2.4 | Not Detected |
| Methylene Chloride | 0.31 | Not Detected | 1.1 | Not Detected |
| Methyl tert-butyl ether | 0.16 | Not Detected | 0.56 | Not Detected |
| trans-1,2-Dichloroethene | 0.16 | Not Detected | 0.61 | Not Detected |
| Hexane | 0.78 | 19 | 2.7 | 67 |
| 1,1-Dichloroethane | 0.16 | Not Detected | 0.63 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.78 | Not Detected | 2.3 | Not Detected |
| cis-1,2-Dichloroethene | 0.16 | Not Detected | 0.61 | Not Detected |
| Tetrahydrofuran | 0.78 | Not Detected | 2.3 | Not Detected |
| Chloroform | 0.16 | 14 | 0.76 | 67 |
| 1,1,1-Trichloroethane | 0.16 | 0.18 | 0.84 | 0.98 |
| Cyclohexane | 0.78 | 10 | 2.7 | 35 |
| Carbon Tetrachloride | 0.16 | 2.4 | 0.98 | 15 |
| Benzene | 0.16 | 0.19 | 0.50 | 0.59 |
| 1,2-Dichloroethane | 0.16 | Not Detected <i>US</i> | 0.63 | Not Detected |
| Heptane | 0.78 | 1.1 | 3.2 | 4.7 |
| Trichloroethene | 0.16 | Not Detected | 0.83 | Not Detected |
| 1,2-Dichloropropane | 0.16 | Not Detected | 0.72 | Not Detected |
| 1,4-Dioxane | 0.78 | Not Detected | 2.8 | Not Detected |
| Bromodichloromethane | 0.78 | Not Detected | 5.2 | Not Detected |
| cis-1,3-Dichloropropene | 0.16 | Not Detected | 0.70 | Not Detected |
| 4-Methyl-2-pentanone | 0.78 | Not Detected | 3.2 | Not Detected |
| Toluene | 0.16 | 7.7 | 0.58 | 29 |
| trans-1,3-Dichloropropene | 0.16 | Not Detected | 0.70 | Not Detected |
| 1,1,2-Trichloroethane | 0.16 | Not Detected | 0.84 | Not Detected |
| Tetrachloroethene | 0.16 | 0.33 | 1.0 | 2.2 |
| 2-Hexanone | 0.78 | Not Detected | 3.2 | Not Detected |



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SG-1-050306

Lab ID#: 0605150-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

| | | | |
|--------------|---------|---------------------|------------------|
| File Name: | 7051715 | Date of Collection: | 5/3/06 |
| Dil. Factor: | 1.55 | Date of Analysis: | 5/17/06 11:58 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------------|-------------------|------------------------|--------------------|----------------|
| Dibromochloromethane | 0.78 | Not Detected | 6.6 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.16 | Not Detected | 1.2 | Not Detected |
| Chlorobenzene | 0.16 | Not Detected | 0.71 | Not Detected |
| Ethyl Benzene | 0.16 | 5.9 | 0.67 | 25 |
| m,p-Xylene | 0.16 | 14 | 0.67 | 62 |
| o-Xylene | 0.16 | 6.8 | 0.67 | 30 |
| Styrene | 0.16 | 12 | 0.66 | 50 |
| Bromoform | 0.78 | Not Detected <i>WS</i> | 8.0 | Not Detected |
| Cumene | 0.78 | 1.0 | 3.8 | 5.0 |
| 1,1,2,2-Tetrachloroethane | 0.16 | Not Detected | 1.1 | Not Detected |
| Propylbenzene | 0.78 | Not Detected | 3.8 | Not Detected |
| 4-Ethyltoluene | 0.78 | Not Detected | 3.8 | Not Detected |
| 1,3,5-Trimethylbenzene | 0.16 | 0.16 | 0.76 | 0.79 |
| 1,2,4-Trimethylbenzene | 0.16 | 0.45 | 0.76 | 2.2 |
| 1,3-Dichlorobenzene | 0.16 | Not Detected | 0.93 | Not Detected |
| 1,4-Dichlorobenzene | 0.16 | 5.0 | 0.93 | 30 |
| alpha-Chlorotoluene | 0.16 | Not Detected | 0.80 | Not Detected |
| 1,2-Dichlorobenzene | 0.16 | Not Detected | 0.93 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.78 | Not Detected <i>R</i> | 5.8 | Not Detected |
| Hexachlorobutadiene | 0.78 | Not Detected | 8.3 | Not Detected |
| tert-Butyl alcohol | 3.1 | 7.9 <i>J J</i> | 9.4 | 24 <i>J</i> |
| tert-Amyl methyl ether | 3.1 | Not Detected | 13 | Not Detected |
| Ethyl-tert-butyl ether | 3.1 | Not Detected | 13 | Not Detected |
| Isopropyl ether | 3.1 | Not Detected | 13 | Not Detected |

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister (100% Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 105 | 70-130 |
| Toluene-d8 | 102 | 70-130 |
| 4-Bromofluorobenzene | 104 | 70-130 |



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 8AMB-050306

Lab ID#: 0605150-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

| | | | |
|--------------|---------|---------------------|------------------|
| File Name: | 7051716 | Date of Collection: | 5/3/06 |
| Dil. Factor: | 2.36 | Date of Analysis: | 5/18/06 12:40 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|-------------------|------------------------|--------------------|----------------|
| Freon 12 | 0.24 | 0.57 | 1.2 | 2.8 |
| Freon 114 | 0.24 | Not Detected | 1.6 | Not Detected |
| Chloromethane | 0.24 | 0.82 | 0.49 | 1.7 |
| Vinyl Chloride | 0.24 | Not Detected | 0.60 | Not Detected |
| 1,3-Butadiene | 1.2 | Not Detected | 2.6 | Not Detected |
| Bromomethane | 0.24 | Not Detected | 0.92 | Not Detected |
| Chloroethane | 0.24 | Not Detected <i>US</i> | 0.62 | Not Detected |
| Freon 11 | 0.24 | 0.29 | 1.3 | 1.6 |
| Ethanol | 1.2 | 82 | 2.2 | 150 |
| Freon 113 | 0.24 | Not Detected | 1.8 | Not Detected |
| 1,1-Dichloroethene | 0.24 | Not Detected | 0.94 | Not Detected |
| Acetone | 1.2 | 38 | 2.8 | 89 |
| 2-Propanol | 1.2 | 6.2 | 2.9 | 15 |
| Carbon Disulfide | 1.2 | Not Detected | 3.7 | Not Detected |
| Methylene Chloride | 0.47 | 0.91 | 1.6 | 3.1 |
| Methyl tert-butyl ether | 0.24 | Not Detected | 0.85 | Not Detected |
| trans-1,2-Dichloroethene | 0.24 | Not Detected | 0.94 | Not Detected |
| Hexane | 1.2 | Not Detected | 4.2 | Not Detected |
| 1,1-Dichloroethane | 0.24 | Not Detected | 0.96 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 1.2 | 1.6 | 3.5 | 4.8 |
| cis-1,2-Dichloroethene | 0.24 | Not Detected | 0.94 | Not Detected |
| Tetrahydrofuran | 1.2 | Not Detected | 3.5 | Not Detected |
| Chloroform | 0.24 | Not Detected | 1.2 | Not Detected |
| 1,1,1-Trichloroethane | 0.24 | Not Detected | 1.3 | Not Detected |
| Cyclohexane | 1.2 | 16 | 4.1 | 54 |
| Carbon Tetrachloride | 0.24 | Not Detected | 1.5 | Not Detected |
| Benzene | 0.24 | 0.53 | 0.75 | 1.7 |
| 1,2-Dichloroethane | 0.24 | Not Detected <i>US</i> | 0.96 | Not Detected |
| Heptane | 1.2 | 1.4 | 4.8 | 5.9 |
| Trichloroethene | 0.24 | Not Detected | 1.3 | Not Detected |
| 1,2-Dichloropropane | 0.24 | Not Detected | 1.1 | Not Detected |
| 1,4-Dioxane | 1.2 | Not Detected | 4.2 | Not Detected |
| Bromodichloromethane | 1.2 | Not Detected | 7.9 | Not Detected |
| cis-1,3-Dichloropropene | 0.24 | Not Detected | 1.1 | Not Detected |
| 4-Methyl-2-pentanone | 1.2 | Not Detected | 4.8 | Not Detected |
| Toluene | 0.24 | 8.7 | 0.89 | 33 |
| trans-1,3-Dichloropropene | 0.24 | Not Detected | 1.1 | Not Detected |
| 1,1,2-Trichloroethane | 0.24 | Not Detected | 1.3 | Not Detected |
| Tetrachloroethene | 0.24 | Not Detected | 1.6 | Not Detected |
| 2-Hexanone | 1.2 | Not Detected | 4.8 | Not Detected |



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: 8AMB-050306

Lab ID#: 0605150-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

| | | | |
|--------------|---------|---------------------|------------------|
| File Name: | 7051716 | Date of Collection: | 5/3/06 |
| Dil. Factor: | 2.36 | Date of Analysis: | 5/18/06 12:40 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------------|-------------------|------------------------|--------------------|----------------|
| Dibromochloromethane | 1.2 | Not Detected | 10 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.24 | Not Detected | 1.8 | Not Detected |
| Chlorobenzene | 0.24 | Not Detected | 1.1 | Not Detected |
| Ethyl Benzene | 0.24 | 6.7 | 1.0 | 29 |
| m,p-Xylene | 0.24 | 16 | 1.0 | 70 |
| o-Xylene | 0.24 | 7.2 | 1.0 | 31 |
| Styrene | 0.24 | 11 | 1.0 | 46 |
| Bromoform | 1.2 | Not Detected <i>UJ</i> | 12 | Not Detected |
| Cumene | 1.2 | Not Detected | 5.8 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.24 | Not Detected | 1.6 | Not Detected |
| Propylbenzene | 1.2 | Not Detected | 5.8 | Not Detected |
| 4-Ethyltoluene | 1.2 | Not Detected | 5.8 | Not Detected |
| 1,3,5-Trimethylbenzene | 0.24 | Not Detected | 1.2 | Not Detected |
| 1,2,4-Trimethylbenzene | 0.24 | 0.43 | 1.2 | 2.1 |
| 1,3-Dichlorobenzene | 0.24 | Not Detected | 1.4 | Not Detected |
| 1,4-Dichlorobenzene | 0.24 | 7.2 | 1.4 | 43 |
| alpha-Chlorotoluene | 0.24 | Not Detected | 1.2 | Not Detected |
| 1,2-Dichlorobenzene | 0.24 | Not Detected | 1.4 | Not Detected |
| 1,2,4-Trichlorobenzene | 1.2 | Not Detected <i>R</i> | 8.8 | Not Detected |
| Hexachlorobutadiene | 1.2 | Not Detected | 12 | Not Detected |
| tert-Butyl alcohol | 4.7 | 30 <i>J J</i> | 14 | 90 <i>J</i> |
| tert-Amyl methyl ether | 4.7 | Not Detected | 20 | Not Detected |
| Ethyl-tert-butyl ether | 4.7 | Not Detected | 20 | Not Detected |
| Isopropyl ether | 4.7 | Not Detected | 20 | Not Detected |

J = Estimated value due to bias in the CCV.

Container Type: 6 Liter Summa Canister (100% Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 104 | 70-130 |
| Toluene-d8 | 100 | 70-130 |
| 4-Bromofluorobenzene | 106 | 70-130 |



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Trip Blank

Lab ID#: 0605150-06A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

| File Name: 7051717 | | Date of Collection: 5/3/06 | | |
|----------------------------------|-------------------|------------------------------------|--------------------|----------------|
| Dil. Factor: 1.00 | | Date of Analysis: 5/18/06 01:43 AM | | |
| Compound | Rot. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
| Freon 12 | 0.10 | Not Detected | 0.49 | Not Detected |
| Freon 114 | 0.10 | Not Detected | 0.70 | Not Detected |
| Chloromethane | 0.10 | Not Detected | 0.21 | Not Detected |
| Vinyl Chloride | 0.10 | Not Detected | 0.26 | Not Detected |
| 1,3-Butadiene | 0.50 | Not Detected | 1.1 | Not Detected |
| Bromomethane | 0.10 | Not Detected | 0.39 | Not Detected |
| Chloroethane | 0.10 | Not Detected | 0.26 | Not Detected |
| Freon 11 | 0.10 | Not Detected | 0.56 | Not Detected |
| Ethanol | 0.50 | Not Detected | 0.94 | Not Detected |
| Freon 113 | 0.10 | Not Detected | 0.77 | Not Detected |
| 1,1-Dichloroethene | 0.10 | Not Detected | 0.40 | Not Detected |
| Acetone | 0.50 | Not Detected | 1.2 | Not Detected |
| 2-Propanol | 0.50 | Not Detected | 1.2 | Not Detected |
| Carbon Disulfide | 0.50 | Not Detected | 1.6 | Not Detected |
| Methylene Chloride | 0.20 | Not Detected | 0.69 | Not Detected |
| Methyl tert-butyl ether | 0.10 | Not Detected | 0.36 | Not Detected |
| trans-1,2-Dichloroethene | 0.10 | Not Detected | 0.40 | Not Detected |
| Hexane | 0.50 | Not Detected | 1.8 | Not Detected |
| 1,1-Dichloroethane | 0.10 | Not Detected | 0.40 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.50 | Not Detected | 1.5 | Not Detected |
| cis-1,2-Dichloroethene | 0.10 | Not Detected | 0.40 | Not Detected |
| Tetrahydrofuran | 0.50 | Not Detected | 1.5 | Not Detected |
| Chloroform | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,1,1-Trichloroethane | 0.10 | Not Detected | 0.54 | Not Detected |
| Cyclohexane | 0.50 | Not Detected | 1.7 | Not Detected |
| Carbon Tetrachloride | 0.10 | Not Detected | 0.63 | Not Detected |
| Benzene | 0.10 | Not Detected | 0.32 | Not Detected |
| 1,2-Dichloroethane | 0.10 | Not Detected | 0.40 | Not Detected |
| Heptane | 0.50 | Not Detected | 2.0 | Not Detected |
| Trichloroethene | 0.10 | Not Detected | 0.54 | Not Detected |
| 1,2-Dichloropropane | 0.10 | Not Detected | 0.46 | Not Detected |
| 1,4-Dioxane | 0.50 | Not Detected | 1.8 | Not Detected |
| Bromodichloromethane | 0.50 | Not Detected | 3.4 | Not Detected |
| cis-1,3-Dichloropropene | 0.10 | Not Detected | 0.45 | Not Detected |
| 4-Methyl-2-pentanone | 0.50 | Not Detected | 2.0 | Not Detected |
| Toluene | 0.10 | Not Detected | 0.38 | Not Detected |
| trans-1,3-Dichloropropene | 0.10 | Not Detected | 0.45 | Not Detected |
| 1,1,2-Trichloroethane | 0.10 | Not Detected | 0.54 | Not Detected |
| Tetrachloroethene | 0.10 | Not Detected | 0.68 | Not Detected |
| 2-Hexanone | 0.50 | Not Detected | 2.0 | Not Detected |



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Trip Blank

Lab ID#: 0605150-06A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

| | | |
|---------------------|----------------|---|
| File Name: | 7051717 | Date of Collection: 5/3/06 |
| Dil. Factor: | 1.00 | Date of Analysis: 5/18/06 01:43 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------------|-------------------|---------------|--------------------|----------------|
| Dibromochloromethane | 0.50 | Not Detected | 4.2 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.10 | Not Detected | 0.77 | Not Detected |
| Chlorobenzene | 0.10 | Not Detected | 0.46 | Not Detected |
| Ethyl Benzene | 0.10 | Not Detected | 0.43 | Not Detected |
| m,p-Xylene | 0.10 | Not Detected | 0.43 | Not Detected |
| o-Xylene | 0.10 | Not Detected | 0.43 | Not Detected |
| Styrene | 0.10 | Not Detected | 0.42 | Not Detected |
| Bromoform | 0.50 | Not Detected | 5.2 | Not Detected |
| Cumene | 0.50 | Not Detected | 2.4 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.10 | Not Detected | 0.69 | Not Detected |
| Propylbenzene | 0.50 | Not Detected | 2.4 | Not Detected |
| 4-Ethyltoluene | 0.50 | Not Detected | 2.4 | Not Detected |
| 1,3,5-Trimethylbenzene | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,2,4-Trimethylbenzene | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,3-Dichlorobenzene | 0.10 | Not Detected | 0.60 | Not Detected |
| 1,4-Dichlorobenzene | 0.10 | Not Detected | 0.60 | Not Detected |
| alpha-Chlorotoluene | 0.10 | Not Detected | 0.52 | Not Detected |
| 1,2-Dichlorobenzene | 0.10 | Not Detected | 0.60 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.50 | Not Detected | 3.7 | Not Detected |
| Hexachlorobutadiene | 0.50 | Not Detected | 5.3 | Not Detected |
| tert-Butyl alcohol | 2.0 | Not Detected | 6.1 | Not Detected |
| tert-Amyl methyl ether | 2.0 | Not Detected | 8.4 | Not Detected |
| Ethyl-tert-butyl ether | 2.0 | Not Detected | 8.4 | Not Detected |
| Isopropyl ether | 2.0 | Not Detected | 8.4 | Not Detected |

Container Type: 6 Liter Summa Canister (100% Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 100 | 70-130 |
| Toluene-d8 | 97 | 70-130 |
| 4-Bromofluorobenzene | 99 | 70-130 |

Client Sample ID: Lab Blank

Lab ID#: 0605150-07A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

| | | | |
|--------------|---------|---------------------|------------------|
| File Name: | 7051710 | Date of Collection: | NA |
| Dil. Factor: | 1.00 | Date of Analysis: | 5/17/06 06:41 PM |

| Compound | Rot. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|-------------------|---------------|--------------------|----------------|
| Freon 12 | 0.10 | Not Detected | 0.49 | Not Detected |
| Freon 114 | 0.10 | Not Detected | 0.70 | Not Detected |
| Chloromethane | 0.10 | Not Detected | 0.21 | Not Detected |
| Vinyl Chloride | 0.10 | Not Detected | 0.26 | Not Detected |
| 1,3-Butadiene | 0.50 | Not Detected | 1.1 | Not Detected |
| Bromomethane | 0.10 | Not Detected | 0.39 | Not Detected |
| Chloroethane | 0.10 | Not Detected | 0.26 | Not Detected |
| Freon 11 | 0.10 | Not Detected | 0.56 | Not Detected |
| Ethanol | 0.50 | Not Detected | 0.94 | Not Detected |
| Freon 113 | 0.10 | Not Detected | 0.77 | Not Detected |
| 1,1-Dichloroethene | 0.10 | Not Detected | 0.40 | Not Detected |
| Acetone | 0.50 | Not Detected | 1.2 | Not Detected |
| 2-Propanol | 0.50 | Not Detected | 1.2 | Not Detected |
| Carbon Disulfide | 0.50 | Not Detected | 1.6 | Not Detected |
| Methylene Chloride | 0.20 | Not Detected | 0.69 | Not Detected |
| Methyl tert-butyl ether | 0.10 | Not Detected | 0.36 | Not Detected |
| trans-1,2-Dichloroethene | 0.10 | Not Detected | 0.40 | Not Detected |
| Hexane | 0.50 | Not Detected | 1.8 | Not Detected |
| 1,1-Dichloroethane | 0.10 | Not Detected | 0.40 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.50 | Not Detected | 1.5 | Not Detected |
| cis-1,2-Dichloroethene | 0.10 | Not Detected | 0.40 | Not Detected |
| Tetrahydrofuran | 0.50 | Not Detected | 1.5 | Not Detected |
| Chloroform | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,1,1-Trichloroethane | 0.10 | Not Detected | 0.54 | Not Detected |
| Cyclohexane | 0.50 | Not Detected | 1.7 | Not Detected |
| Carbon Tetrachloride | 0.10 | Not Detected | 0.63 | Not Detected |
| Benzene | 0.10 | Not Detected | 0.32 | Not Detected |
| 1,2-Dichloroethane | 0.10 | Not Detected | 0.40 | Not Detected |
| Heptane | 0.50 | Not Detected | 2.0 | Not Detected |
| Trichloroethene | 0.10 | Not Detected | 0.54 | Not Detected |
| 1,2-Dichloropropane | 0.10 | Not Detected | 0.46 | Not Detected |
| 1,4-Dioxane | 0.50 | Not Detected | 1.8 | Not Detected |
| Bromodichloromethane | 0.50 | Not Detected | 3.4 | Not Detected |
| cis-1,3-Dichloropropene | 0.10 | Not Detected | 0.45 | Not Detected |
| 4-Methyl-2-pentanone | 0.50 | Not Detected | 2.0 | Not Detected |
| Toluene | 0.10 | Not Detected | 0.38 | Not Detected |
| trans-1,3-Dichloropropene | 0.10 | Not Detected | 0.45 | Not Detected |
| 1,1,2-Trichloroethane | 0.10 | Not Detected | 0.54 | Not Detected |
| Tetrachloroethene | 0.10 | Not Detected | 0.68 | Not Detected |
| 2-Hexanone | 0.50 | Not Detected | 2.0 | Not Detected |

Client Sample ID: Lab Blank

Lab ID#: 0605150-07A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

| | | |
|---------------------|----------------|---|
| File Name: | 7051710 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 5/17/06 06:41 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------------|-------------------|---------------|--------------------|----------------|
| Dibromochloromethane | 0.50 | Not Detected | 4.2 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.10 | Not Detected | 0.77 | Not Detected |
| Chlorobenzene | 0.10 | Not Detected | 0.46 | Not Detected |
| Ethyl Benzene | 0.10 | Not Detected | 0.43 | Not Detected |
| m,p-Xylene | 0.10 | Not Detected | 0.43 | Not Detected |
| o-Xylene | 0.10 | Not Detected | 0.43 | Not Detected |
| Styrene | 0.10 | Not Detected | 0.42 | Not Detected |
| Bromoform | 0.50 | Not Detected | 5.2 | Not Detected |
| Cumene | 0.50 | Not Detected | 2.4 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.10 | Not Detected | 0.69 | Not Detected |
| Propylbenzene | 0.50 | Not Detected | 2.4 | Not Detected |
| 4-Ethyltoluene | 0.50 | Not Detected | 2.4 | Not Detected |
| 1,3,5-Trimethylbenzene | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,2,4-Trimethylbenzene | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,3-Dichlorobenzene | 0.10 | Not Detected | 0.60 | Not Detected |
| 1,4-Dichlorobenzene | 0.10 | Not Detected | 0.60 | Not Detected |
| alpha-Chlorotoluene | 0.10 | Not Detected | 0.52 | Not Detected |
| 1,2-Dichlorobenzene | 0.10 | Not Detected | 0.60 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.50 | Not Detected | 3.7 | Not Detected |
| Hexachlorobutadiene | 0.50 | Not Detected | 5.3 | Not Detected |
| tert-Butyl alcohol | 2.0 | Not Detected | 6.1 | Not Detected |
| tert-Amyl methyl ether | 2.0 | Not Detected | 8.4 | Not Detected |
| Ethyl-tert-butyl ether | 2.0 | Not Detected | 8.4 | Not Detected |
| Isopropyl ether | 2.0 | Not Detected | 8.4 | Not Detected |

Container Type: NA - Not Applicable

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 111 | 70-130 |
| Toluene-d8 | 96 | 70-130 |
| 4-Bromofluorobenzene | 107 | 70-130 |



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0605150-08A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

| | | |
|--------------|---------|------------------------------------|
| File Name: | 7051705 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 5/17/06 02:43 PM |

| Compound | %Recovery |
|----------------------------------|-----------|
| Freon 12 | 119 |
| Freon 114 | 116 |
| Chloromethane | 116 |
| Vinyl Chloride | 113 |
| 1,3-Butadiene | 118 |
| Bromomethane | 128 |
| Chloroethane | 131 Q |
| Freon 11 | 126 |
| Ethanol | 106 |
| Freon 113 | 113 |
| 1,1-Dichloroethene | 104 |
| Acetone | 116 |
| 2-Propanol | 115 |
| Carbon Disulfide | 110 |
| Methylene Chloride | 102 |
| Methyl tert-butyl ether | 109 |
| trans-1,2-Dichloroethene | 106 |
| Hexane | 104 |
| 1,1-Dichloroethane | 106 |
| 2-Butanone (Methyl Ethyl Ketone) | 113 |
| cis-1,2-Dichloroethene | 105 |
| Tetrahydrofuran | 108 |
| Chloroform | 111 |
| 1,1,1-Trichloroethane | 116 |
| Cyclohexane | 104 |
| Carbon Tetrachloride | 122 |
| Benzene | 106 |
| 1,2-Dichloroethane | 131 Q |
| Heptane | 116 |
| Trichloroethene | 109 |
| 1,2-Dichloropropane | 110 |
| 1,4-Dioxane | 115 |
| Bromodichloromethane | 129 |
| cis-1,3-Dichloropropene | 119 |
| 4-Methyl-2-pentanone | 130 |
| Toluene | 110 |
| trans-1,3-Dichloropropene | 118 |
| 1,1,2-Trichloroethane | 109 |
| Tetrachloroethene | 113 |
| 2-Hexanone | 108 |



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0605150-08A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

| | | |
|--------------|---------|------------------------------------|
| File Name: | 7051705 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 5/17/06 02:43 PM |

| Compound | %Recovery |
|---------------------------|-----------|
| Dibromochloromethane | 127 |
| 1,2-Dibromoethane (EDB) | 116 |
| Chlorobenzene | 106 |
| Ethyl Benzene | 110 |
| m,p-Xylene | 110 |
| o-Xylene | 114 |
| Styrene | 112 |
| Bromoform | 136 Q |
| Cumene | 120 |
| 1,1,2,2-Tetrachloroethane | 116 |
| Propylbenzene | 119 |
| 4-Ethyltoluene | 119 |
| 1,3,5-Trimethylbenzene | 113 |
| 1,2,4-Trimethylbenzene | 112 |
| 1,3-Dichlorobenzene | 108 |
| 1,4-Dichlorobenzene | 110 |
| alpha-Chlorotoluene | 123 |
| 1,2-Dichlorobenzene | 111 |
| 1,2,4-Trichlorobenzene | 119 |
| Hexachlorobutadiene | 127 |
| tert-Butyl alcohol | 144 Q |
| tert-Amyl methyl ether | 137 |
| Ethyl-tert-butyl ether | 132 |
| Isopropyl ether | 135 |

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 109 | 70-130 |
| Toluene-d8 | 101 | 70-130 |
| 4-Bromofluorobenzene | 111 | 70-130 |



AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0605150-09A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

| | | |
|--------------|---------|------------------------------------|
| File Name: | 7051706 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 5/17/06 03:25 PM |

| Compound | %Recovery |
|----------------------------------|-----------|
| Freon 12 | 107 |
| Freon 114 | 102 |
| Chloromethane | 104 |
| Vinyl Chloride | 105 |
| 1,3-Butadiene | 124 |
| Bromomethane | 119 |
| Chloroethane | 122 |
| Freon 11 | 109 |
| Ethanol | 98 |
| Freon 113 | 101 |
| 1,1-Dichloroethene | 96 |
| Acetone | 110 |
| 2-Propanol | 104 |
| Carbon Disulfide | 110 |
| Methylene Chloride | 95 |
| Methyl tert-butyl ether | 102 |
| trans-1,2-Dichloroethene | 103 |
| Hexane | 101 |
| 1,1-Dichloroethane | 97 |
| 2-Butanone (Methyl Ethyl Ketone) | 104 |
| cis-1,2-Dichloroethene | 98 |
| Tetrahydrofuran | 100 |
| Chloroform | 102 |
| 1,1,1-Trichloroethane | 107 |
| Cyclohexane | 97 |
| Carbon Tetrachloride | 109 |
| Benzene | 98 |
| 1,2-Dichloroethane | 119 |
| Heptane | 104 |
| Trichloroethene | 102 |
| 1,2-Dichloropropane | 106 |
| 1,4-Dioxane | 109 |
| Bromodichloromethane | 112 |
| cis-1,3-Dichloropropene | 93 |
| 4-Methyl-2-pentanone | 118 |
| Toluene | 103 |
| trans-1,3-Dichloropropene | 105 |
| 1,1,2-Trichloroethane | 103 |
| Tetrachloroethene | 108 |
| 2-Hexanone | 92 |

Client Sample ID: LCS

Lab ID#: 0605150-09A

MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN

| | | |
|---------------------|----------------|---|
| File Name: | 7051706 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 5/17/06 03:25 PM |

| Compound | %Recovery |
|---------------------------|------------------|
| Dibromochloromethane | 105 |
| 1,2-Dibromoethane (EDB) | 107 |
| Chlorobenzene | 101 |
| Ethyl Benzene | 107 |
| m,p-Xylene | 99 |
| o-Xylene | 96 |
| Styrene | 99 |
| Bromoform | 99 |
| Cumene | 122 |
| 1,1,2,2-Tetrachloroethane | 108 |
| Propylbenzene | 125 |
| 4-Ethyltoluene | 122 |
| 1,3,5-Trimethylbenzene | 94 |
| 1,2,4-Trimethylbenzene | 74 |
| 1,3-Dichlorobenzene | 102 |
| 1,4-Dichlorobenzene | 105 |
| alpha-Chlorotoluene | 120 |
| 1,2-Dichlorobenzene | 102 |
| 1,2,4-Trichlorobenzene | 68 Q |
| Hexachlorobutadiene | 78 |
| tert-Butyl alcohol | Not Spiked |
| tert-Amyl methyl ether | Not Spiked |
| Ethyl-tert-butyl ether | Not Spiked |
| Isopropyl ether | Not Spiked |

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

| Surrogates | %Recovery | Method Limits |
|-----------------------|------------------|----------------------|
| 1,2-Dichloroethane-d4 | 105 | 70-130 |
| Toluene-d8 | 101 | 70-130 |
| 4-Bromofluorobenzene | 108 | 70-130 |



Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 437-4922.

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Contact Person YEMIA HASHIMOTO
 Company GOODMATRIX CONSULTANTS E-mail YHASHIMOTO@GOODMATRIX.COM
 Address 2101 WEBSTER ST, 12th Floor City OAKLAND State CA zip 94612
 Phone 510-663-4100 Fax 510-663-4141
 Collected by: (Signature) [Signature]

Project Info:
 P.O. # _____
 Project # 9324
 Project Name FORMER DRIVE+PARK specify _____

Turn Around Time:
 Normal
 Rush

Lab. Use Only
 Pressurized by: 69
 Date: 5/3/06
 Pressurization Gas: N₂ He _____

| Lab I.D. | Field Sample I.D. (Location) | Can# | Date | Time | Analyses Requested | Canister Pressure/Vacuum | | | |
|----------|------------------------------|-------|--------|------------------|---------------------------|--------------------------|-------|----------|-------------|
| | | | | | | Initial | Final | Receipt | Final (psi) |
| 01A | SG-5-050306 | 24260 | 5/3/06 | 12 ¹⁰ | TO-15 Low Detection Limit | -27 | -2 | 4.5 MPa | 5.0 MPa |
| 02A | SG-3-050306 | | 5/3/06 | 12 ⁵⁰ | | -26 | -5 | 7.0 MPa | 11 |
| 03A | SG-2-050306 | | 5/3/06 | 12 ³⁶ | | -31 | -5 | 5.0 MPa | |
| 04A | SG-1-050306 | | 5/3/06 | 15 ¹⁵ | | -30 | -5 | 4.0 MPa | |
| 05A | 9AMB-050306 | | 5/3/06 | 15 ²⁰ | | -31 | -10.5 | 13.0 MPa | |
| 06A | TRP BLANK | | 5/3/06 | | | | | 14.0 MPa | 1.7 MPa |

Relinquished by: (signature) [Signature] Date/Time 5/3/06 16:50
 Received by: (signature) [Signature] Date/Time 5/3/06 16:50
 Notes: CANISTERS IN 3 UPS SHIPMENTS, WITH 2 UNUSED CANISTERS

Relinquished by: (signature) _____ Date/Time _____
 Received by: (signature) _____ Date/Time _____

Shipper Name: UPS Air Bill #: FD411746106 Temp (°C): - Condition: good Customer Seals Intact? Yes No None Work Order #: 0605150A

APPENDIX D

Membrane Interface Probe and Soil Boring Logs from June-July 2005 Investigation

| | | | | | |
|----------------------|--|------------------------------------|-------|---------------------------|----------|
| PROJECT: | | Boring/Well Log Explanation | | | |
| BORING LOCATION: | | ELEVATION AND DATUM: | | | |
| DRILLING CONTRACTOR: | | DATE STARTED: | | DATE FINISHED: | |
| DRILLING METHOD: | | TOTAL DEPTH (ft.): | | MEASURING POINT: | |
| DRILLING EQUIPMENT: | | DEPTH TO WATER | FIRST | COMPL. | 24 HRS. |
| SAMPLING METHOD: | | LOGGED BY: | | | |
| HAMMER WEIGHT: | | DROP: | | RESPONSIBLE PROFESSIONAL: | REG. NO. |

| DEPTH (feet) | SAMPLES | | | OVM READING (ppm) | DESCRIPTION | REMARKS |
|--------------|------------|--------|-------------|-------------------|---|---------|
| | Sample No. | Sample | Blows/ Foot | | NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | |
| | | | | | Surface Elevation: | |
| 1 | | | | | <p>Notes:</p> <ol style="list-style-type: none"> Soil described using visual-manual procedures of American Society of Testing and Materials (ASTM) Standard D 2488 for guidance; a Standard based on the Unified Soil Classification System. Soil color described according to Munsell Color Chart. <hr/> <ol style="list-style-type: none"> Dashed lines separating soil strata represent inferred boundaries between sampled intervals that may be abrupt or gradual transitions. <hr/> <ol style="list-style-type: none"> Solid lines represent approximate boundaries observed within sample intervals. OVM = organic vapor meter, reading in volumetric parts per million (ppm). Odor, if noted is subjective and not necessarily indicative of specific compounds or concentrations. NA = not applicable. ND = no data. <p>Interval of recovered soil collected with a continuous core sampler.</p> <p>Interval of recovered soil collected with split-spoon drive sampler.</p> <p>Interval of no recovery.</p> <p>Sample collected for chemical analysis and sample identification.</p> | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | SB-1-14.0 | | | | | |
| 15 | | | | | | |



| | | | |
|---|----------|---|------------------------------------|
| PROJECT: FORMER DRIVE & PARK, INC. SITE Poughkeepsie, New York | | Log of Boring No. GP-1 | |
| BORING LOCATION: 144 Barnegat Road | | ELEVATION AND DATUM: Not surveyed; datum is ground surface | |
| DRILLING CONTRACTOR: Zebra Environmental, Inc. | | DATE STARTED: 7/6/05 | DATE FINISHED: 7/6/05 |
| DRILLING METHOD: Direct push | | TOTAL DEPTH (ft.): 12.0 | MEASURING POINT: Ground surface |
| DRILLING EQUIPMENT: Geoprobe 5400 | | DEPTH TO WATER (ft.) | FIRST 3.0 |
| SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"] | | LOGGED BY: D. Averill | |
| HAMMER WEIGHT: NA | DROP: NA | RESPONSIBLE PROFESSIONAL: | REG. NO. |

| DEPTH (feet) | SAMPLES | | | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | REMARKS |
|-----------------|---------------|--------|----------------|-------------------------|--|---|
| | Sample No. | Sample | Blows/ Foot | | | |
| | | | | | Surface Elevation: Not surveyed | |
| 1 | | | | | SILTY SAND with GRAVEL (SM): yellowish brown (10YR 5/4), moist, 70% fine to coarse sand, 15% fine gravel, 15% nonplastic fines | <u>Sheen test</u> consisted of placing soil into a jar with clean water, mixing, and conducting visual check for a sheen. |
| 2 | | | | | | |
| 3 | | | | 180 | POORLY GRADED SAND with SILT (SP-SM): dark gray (10YR 4/1), moist, 90% fine to coarse sand, 10% nonplastic fines wet, hydrocarbon odor and sheen | * Sheen test conducted; sheen observed. |
| 4 | | | | | | |
| 5 | | | | 120 | no hydrocarbon sheen | * Sheen test conducted; no sheen observed. |
| 6 | | | | | | * Sheen test conducted; no sheen observed. |
| 7 | | | | 0 | SILT (ML): gray (10YR 5/1), moist, 90% fines, 10% fine sand, nonplastic, soft, slow dilatancy, low toughness, hydrocarbon odor | |
| 8 | | | | | iron oxide mottling | OVM = Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard. |
| 9 | | | | | interbedded with LEAN CLAY (CL) laminations | |
| 10 | | | | | | |
| 11 | | | | 0 | | |
| 12 | | | | | Bottom of boring at 12.0 feet | Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe. |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |



| | | | |
|---|----------|---|------------------------------------|
| PROJECT: FORMER DRIVE & PARK, INC. SITE Poughkeepsie, New York | | Log of Boring No. GP-2 | |
| BORING LOCATION: 144 Barnegat Road | | ELEVATION AND DATUM: Not surveyed; datum is ground surface | |
| DRILLING CONTRACTOR: Zebra Environmental, Inc. | | DATE STARTED: 7/6/05 | DATE FINISHED: 7/6/05 |
| DRILLING METHOD: Direct push | | TOTAL DEPTH (ft.): 12.0 | MEASURING POINT: Ground surface |
| DRILLING EQUIPMENT: Geoprobe 5400 | | DEPTH TO WATER (ft.) | FIRST 2.0 |
| SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"] | | LOGGED BY: D. Averill | |
| HAMMER WEIGHT: NA | DROP: NA | RESPONSIBLE PROFESSIONAL: | REG. NO. |

| DEPTH (feet) | SAMPLES | | | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | REMARKS |
|-----------------|---------------|--------|----------------|-------------------------|--|---|
| | Sample No. | Sample | Blows/ Foot | | | |
| | | | | | Surface Elevation: Not surveyed | |
| 1 | | | | | SILTY SAND (SM): dark yellowish brown (10YR 4/4), moist, 80% fine to medium sand, 15% nonplastic fines | <u>Sheen test</u> consisted of placing soil into a jar with clean water, mixing, and conducting visual check for a sheen. |
| 2 | | | | 90 | ↓ wet (why arrowdn first water at 2.0 if 1.9 contact point is wet??? do we need both?) | |
| 3 | | | | 2390? | CLAYEY SAND (SC): gray (10YR 5/1), wet, 70% fine sand, 30% low to medium plasticity fines, hydrocarbon odor and sheen | * Sheen test conducted; no sheen observed. |
| 4 | | | | | ↓ no hydrocarbon sheen | |
| 5 | | | | 549 | PEAT (PT) POORLY GRADED SAND with SILT (SP-SM): gray (10YR 5/1), wet, 90% fine to coarse sand, 10% nonplastic fines | * Sheen test conducted; no sheen observed. |
| 6 | | | | | PEAT (PT) SILT (ML): dark gray (10YR 4/1), moist, 90% fines, 10% fine sand, nonplastic, medium dilatancy, low toughness | * Sheen test conducted; no sheen observed. |
| 7 | | | | 187 | yellowish brown (10YR 5/4) mottling | |
| 8 | | | | 10 | | |
| 9 | | | | | LEAN CLAY (CL): dark gray (10YR 4/1) | |
| 10 | | | | 5 | | |
| 11 | | | | | | OVM = Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard. |
| 12 | | | | | Bottom of boring at 12.0 feet | Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe. |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |



| | | | |
|---|----------|---|------------------------------------|
| PROJECT: FORMER DRIVE & PARK, INC. SITE Poughkeepsie, New York | | Log of Boring No. GP-3 | |
| BORING LOCATION: 144 Barnegat Road | | ELEVATION AND DATUM: Not surveyed; datum is ground surface | |
| DRILLING CONTRACTOR: Zebra Environmental, Inc. | | DATE STARTED: 7/6/05 | DATE FINISHED: 7/6/05 |
| DRILLING METHOD: Direct push | | TOTAL DEPTH (ft.): 8.0 | MEASURING POINT: Ground surface |
| DRILLING EQUIPMENT: Geoprobe 5400 | | DEPTH TO WATER (ft.) | FIRST 2.0 |
| | | | COMPL. NA |
| SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"] | | LOGGED BY: D. Averill | |
| HAMMER WEIGHT: NA | DROP: NA | RESPONSIBLE PROFESSIONAL: | REG. NO. |

| DEPTH (feet) | SAMPLES | | | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | REMARKS |
|-----------------|---------------|--------|----------------|-------------------------|--|--|
| | Sample No. | Sample | Blows/ Foot | | | |
| | | | | | Surface Elevation: Not surveyed | |
| 1 | | | | 10.6 | SILTY SAND (SM): dark yellowish brown (10YR 4/1), moist, 85% fine to medium sand, 15% nonplastic fines | Sheen test consisted of placing soil into a jar with clean water, mixing, and conducting visual check for a sheen. * Sheen test conducted; no sheen observed. |
| 2 | | | | (>2000) | CLAYEY SAND (SC): dark gray (10YR 4/1), moist, 80% fine sand, 20% fines ↓ wet | |
| 3 | | | | | --- | * Sheen test conducted; no sheen observed. |
| 4 | | | | 62 | SILTY SAND (SM): dark greenish gray (10G 4/1), wet, 85% fine to medium sand, 15% nonplastic fines, hydrocarbon odor and sheen ↓ no sheen | |
| 5 | | | | 33 | PEAT (PT) | * Sheen test conducted; no sheen observed. |
| 6 | | | | | SILT (ML): dark gray (10YR 4/1), moist, nonplastic, medium dilatancy | * Sheen test conducted; no sheen observed. |
| 7 | | | | 10 | interbedded with LEAN CLAY (CL) laminations | |
| 8 | | | | | Bottom of boring at 8.0 feet | Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe. |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | OVM = Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard. OVM readings shown in parentheses () are over the 2000 ppm upper range of the detector. |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |



| | | | |
|---|----------|---|------------------------------------|
| PROJECT: FORMER DRIVE & PARK, INC. SITE Poughkeepsie, New York | | Log of Boring No. GP-4 | |
| BORING LOCATION: 144 Barnegat Road | | ELEVATION AND DATUM: Not surveyed; datum is ground surface | |
| DRILLING CONTRACTOR: Zebra Environmental, Inc. | | DATE STARTED: 7/6/05 | DATE FINISHED: 7/6/05 |
| DRILLING METHOD: Direct push | | TOTAL DEPTH (ft.): 8.0 | MEASURING POINT: Ground surface |
| DRILLING EQUIPMENT: Geoprobe 5400 | | DEPTH TO WATER (ft.) | FIRST 2.6 COMPL. NA |
| SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"] | | LOGGED BY: D. Averill | |
| HAMMER WEIGHT: NA | DROP: NA | RESPONSIBLE PROFESSIONAL: | REG. NO. |

| DEPTH (feet) | SAMPLES | | | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | REMARKS |
|-----------------|---------------|--------|----------------|-------------------------|--|---|
| | Sample No. | Sample | Blows/ Foot | | | |
| | | | | | Surface Elevation: Not surveyed | |
| 1 | | | | | SILTY SAND (SM): dark yellowish brown (10YR 4/1), moist, 85% fine to medium sand, 15% nonplastic fines | <p><u>Sheen test</u> consisted of placing soil into a jar with clean water, mixing, and conducting visual check for a sheen.</p> <p>* Sheen test conducted; no sheen observed.</p> <p>* Sheen test conducted; sheen observed.</p> <p>* Sheen test conducted; no sheen observed.</p> <p>* Sheen test conducted; no sheen observed.</p> <p>* Sheen test conducted; no sheen observed.</p> <p>* Sheen test conducted; no sheen observed.</p> <p>* Sheen test conducted; no sheen observed.</p> <p>Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.</p> <p>OVM = Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard. OVM readings shown in parentheses () are over the 2000 ppm upper range of the detector.</p> |
| 2 | | | | 127 | light brownish yellow (10YR 6/4) | |
| 3 | | | | (>2000) | iron oxide mottling | |
| 4 | | | | | dark greenish gray (10G 4/1), wet, hydrocarbon odor and sheen | |
| 5 | | | | (>2000) | no hydrocarbon odor | |
| 6 | | | | 142 | bluish black (GLEYS 2.5/1) | |
| 7 | | | | 16 | PEAT (PT) | |
| 8 | | | | | SILT (ML): dark gray (10YR 4/1), moist, 90% fines, 10% fine sand, nonplastic, slow dilatancy, low toughness | |
| 9 | | | | | LEAN CLAY (CL) | |
| 10 | | | | | LEAN CLAY (CL) | |
| 11 | | | | | Bottom of boring at 8.0 feet | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |

| | | | |
|---|----------|---|------------------------------------|
| PROJECT: FORMER DRIVE & PARK, INC. SITE Poughkeepsie, New York | | Log of Boring No. GP-5 | |
| BORING LOCATION: 144 Barnegat Road | | ELEVATION AND DATUM: Not surveyed; datum is ground surface | |
| DRILLING CONTRACTOR: Zebra Environmental, Inc. | | DATE STARTED: 7/6/05 | DATE FINISHED: 7/6/05 |
| DRILLING METHOD: Direct push | | TOTAL DEPTH (ft.): 8.0 | MEASURING POINT: Ground surface |
| DRILLING EQUIPMENT: Geoprobe 5400 | | DEPTH TO WATER (ft.) | FIRST 4.2 |
| SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"] | | LOGGED BY: D. Averill | |
| HAMMER WEIGHT: NA | DROP: NA | RESPONSIBLE PROFESSIONAL: | REG. NO. |

| DEPTH (feet) | SAMPLES | | | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | REMARKS |
|-----------------|---------------|--------|----------------|-------------------------|--|---|
| | Sample No. | Sample | Blows/ Foot | | | |
| | | | | | Surface Elevation: Not surveyed | |
| 1 | | | | | SILTY SAND (SM): dark brown (10YR 3/3), moist, 85% sand, 15% nonplastic fines | <u>Sheen test</u> consisted of placing soil into a jar with clean water, mixing, and conducting visual check for a sheen. |
| 2 | | | | 8.6 | ↓ brownish yellow (10YR 6/6) | |
| 3 | | | | 7.3 | | * Sheen test conducted; no sheen observed. |
| 4 | | | | (>2000) | | * Sheen test conducted; sheen observed. |
| 5 | | | | | □ iron oxide staining, strong hydrocarbon odor and sheen | |
| 6 | | | | 336 | ↓ dark greenish gray (5BG 3/1), hydrocarbon odor, no hydrocarbon sheen | * Sheen test conducted; no sheen observed. |
| 7 | | | | | □ PEAT (PT) | * Sheen test conducted; no sheen observed. |
| 8 | | | | | SILT (ML): dark gray (10YR 4/1), moist, 95% fines, 5% fine sand, nonplastic, slow dilatancy | * Sheen test conducted; no sheen observed. |
| 9 | | | | | Bottom of boring at 8.0 feet | Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe. |
| 10 | | | | | | |
| 11 | | | | | | OVM = Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard. |
| 12 | | | | | | |
| 13 | | | | | | OVM readings shown in parentheses () are over the 2000 ppm upper range of the detector. |
| 14 | | | | | | |
| 15 | | | | | | |

| | | | |
|---|--|---|------------------------------------|
| PROJECT: FORMER DRIVE & PARK, INC. SITE Poughkeepsie, New York | | Log of Boring No. GP-6 | |
| BORING LOCATION: 144 Barnegat Road | | ELEVATION AND DATUM: Not surveyed; datum is ground surface | |
| DRILLING CONTRACTOR: Zebra Environmental, Inc. | | DATE STARTED: 7/6/05 | DATE FINISHED: 7/6/05 |
| DRILLING METHOD: Direct push | | TOTAL DEPTH (ft.): 8.0 | MEASURING POINT: Ground surface |
| DRILLING EQUIPMENT: Geoprobe 5400 | | DEPTH TO WATER (ft.) 2.5 | FIRST 2.5 |
| SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"] | | LOGGED BY: D. Averill | |
| HAMMER WEIGHT: NA | | RESPONSIBLE PROFESSIONAL: | |
| DROP: NA | | REG. NO. | |

| DEPTH (feet) | SAMPLES | | | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | REMARKS |
|-----------------|---------------|--------|----------------|-------------------------|---|---|
| | Sample No. | Sample | Blows/ Foot | | | |
| | | | | | Surface Elevation: Not surveyed | |
| 1 | | | | | SILTY SAND (SM): dark brown (10YR 3/3), moist, 80% fine to medium sand, 20% nonplastic fines, contains rootlets | <p><u>Sheen test</u> consisted of placing soil into a jar with clean water, mixing, and conducting visual check for a sheen.</p> <p>* Sheen test conducted; no sheen observed.</p> <p>* Sheen test conducted; no sheen observed.</p> <p>* Sheen test conducted; no sheen observed.</p> <p>* Sheen test conducted; no sheen observed.</p> <p>* Sheen test conducted; no sheen observed.</p> <p>* Sheen test conducted; no sheen observed.</p> <p>Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe.</p> <p>OVM = Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard.</p> |
| 2 | | | | 17 | CLAYEY SAND (SC): gray (10YR 5/1), moist, 80% fine sand, 20% low plasticity fines, firm, hydrocarbon odor, no hydrocarbon sheet | |
| 3 | | | | 767 | wet | |
| 4 | | | | 241 | SILTY SAND (SM): dark greenish gray (GLEY2 4/1), wet, 85% fine to medium sand, 15% nonplastic fines | |
| 5 | | | | 180 | SILT (ML): light yellowish brown (10YR 6/4) | |
| | | | | | PEAT (PT) | |
| 6 | | | | | SILT (ML): gray (10YR 4/1), moist, 90% fines, 10% fine sand, nonplastic, soft, slow dilatancy | |
| 7 | | | | 176 | SILTY SAND (SM): very dark gray (10YR 3/1) | |
| | | | | 20 | interbedded with LEAN CLAY (CL) laminations | |
| 8 | | | | | Bottom of boring at 8.0 feet | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |



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|---|----------|---|------------------------------------|
| PROJECT: FORMER DRIVE & PARK, INC. SITE Poughkeepsie, New York | | Log of Boring No. GP-7 | |
| BORING LOCATION: 144 Barnegat Road | | ELEVATION AND DATUM: Not surveyed; datum is ground surface | |
| DRILLING CONTRACTOR: Zebra Environmental, Inc. | | DATE STARTED: 7/6/05 | DATE FINISHED: 7/6/05 |
| DRILLING METHOD: Direct push | | TOTAL DEPTH (ft.): 12.0 | MEASURING POINT: Ground surface |
| DRILLING EQUIPMENT: Geoprobe 5400 | | DEPTH TO WATER (ft.): 7.2 | FIRST 7.2 |
| SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"] | | LOGGED BY: D. Averill | |
| HAMMER WEIGHT: NA | DROP: NA | RESPONSIBLE PROFESSIONAL: | REG. NO. |

| DEPTH (feet) | SAMPLES | | | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | REMARKS |
|-----------------|---------------|--------|----------------|-------------------------|--|--|
| | Sample No. | Sample | Blows/ Foot | | | |
| | | | | | Surface Elevation: Not surveyed | |
| 1 | | | | | SILTY SAND (SM): dark brown (10YR 3/3), moist, 80% fine to medium sand, 20% nonplastic fines [FILL] | Sheen test consisted of placing soil into a jar with clean water, mixing, and conducting visual check for a sheen. |
| 2 | | | | | ASPHALTIC CONCRETE debris [FILL] | |
| | | | | 144 | brownish yellow (10YR 6/6) | OVM = Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard. |
| 3 | | | | | | |
| 4 | | | | 4.8 | POORLY GRADED SAND (SP): dark yellowish brown (10YR 3/4), moist, 95% fine to medium sand, 5% fines | * Sheen test conducted; no sheen observed. |
| 5 | | | | | | |
| 6 | | | | | | * Sheen test conducted; no sheen observed. |
| 7 | | | | 7.2 | wet | * Sheen test conducted; no sheen observed. |
| 8 | | | | | iron oxide mottling | * Sheen test conducted; no sheen observed. |
| 9 | | | | 7.2 | | * Sheen test conducted; no sheen observed. |
| 10 | | | | 7.6 | PEAT (PT) POORLY GRADED GRAVEL (GP) | * Sheen test conducted; no sheen observed. |
| 11 | | | | 7.7 | SILT (ML): gray (10YR 5/1), moist, 90% fines, 10% fine sand, nonplastic, soft, slow dilatancy, low toughness, soft | * Sheen test conducted; no sheen observed. |
| 12 | | | | | Bottom of boring at 12.0 feet | * Sheen test conducted; no sheen observed. |
| 13 | | | | | | Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe. |
| 14 | | | | | | |
| 15 | | | | | | |

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|---|----------|---|------------------------------------|
| PROJECT: FORMER DRIVE & PARK, INC. SITE Poughkeepsie, New York | | Log of Boring No. GP-8 | |
| BORING LOCATION: 144 Barnegat Road | | ELEVATION AND DATUM: Not surveyed; datum is ground surface | |
| DRILLING CONTRACTOR: Zebra Environmental, Inc. | | DATE STARTED: 7/6/05 | DATE FINISHED: 7/6/05 |
| DRILLING METHOD: Direct push | | TOTAL DEPTH (ft.): 8.0 | MEASURING POINT: Ground surface |
| DRILLING EQUIPMENT: Geoprobe 5400 | | DEPTH TO WATER (ft.) | FIRST 2.0 |
| SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"] | | LOGGED BY: D. Averill | |
| HAMMER WEIGHT: NA | DROP: NA | RESPONSIBLE PROFESSIONAL: | REG. NO. |

| DEPTH (feet) | SAMPLES | | | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | REMARKS |
|-----------------|---------------|--------|----------------|-------------------------|---|--|
| | Sample No. | Sample | Blows/ Foot | | | |
| | | | | | Surface Elevation: Not surveyed | |
| 1 | | | | | CLAYEY SAND (SC): gray (10YR 5/1), moist, 85% fine sand, 15% low plasticity fines | Sheen test consisted of placing soil into a jar with clean water, mixing, and conducting visual check for a sheen. * Sheen test conducted; no sheen observed. |
| 2 | | | | 7.7 | iron oxide mottling wet | |
| 3 | | | | 11.1 | SILTY SAND (SM): dark gray (10YR 4/1), wet, 85% fine sand, 15% nonplastic fines | * Sheen test conducted; no sheen observed. |
| 4 | | | | | | |
| 5 | | | | 31 | | * Sheen test conducted; no sheen observed. |
| 6 | | | | 10 | PEAT (PT) | |
| 7 | | | | | SILT (ML): gray (10YR 4/1), moist, 90% fines, 5% fine sand, 5% fine gravel, nonplastic, slow dilatancy, low toughness, soft | |
| 8 | | | | | Bottom of boring at 8.0 feet | |
| 9 | | | | | | Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe. |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | OVM = Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard. |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |

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|---|----------|---|------------------------------------|
| PROJECT: FORMER DRIVE & PARK, INC. SITE Poughkeepsie, New York | | Log of Boring No. MIP-B-1 | |
| BORING LOCATION: 28 IBM Road | | ELEVATION AND DATUM: Not surveyed; datum is ground surface | |
| DRILLING CONTRACTOR: Zebra Environmental, Inc. | | DATE STARTED: 6/29/05 | DATE FINISHED: 6/29/05 |
| DRILLING METHOD: Direct push | | TOTAL DEPTH (ft.): 36.0 | MEASURING POINT: Ground surface |
| DRILLING EQUIPMENT: Geoprobe 5400 | | DEPTH TO WATER (ft.): 5.7 | FIRST COMPL. NA |
| SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"] | | LOGGED BY: D. Averill | |
| HAMMER WEIGHT: NA | DROP: NA | RESPONSIBLE PROFESSIONAL: | REG. NO. |

| DEPTH (feet) | SAMPLES | | | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | REMARKS |
|-----------------|---------------|--------|----------------|-------------------------|---|--|
| | Sample No. | Sample | Blows/ Foot | | | |
| | | | | | Surface Elevation: Not surveyed | |
| 1 | | | | 183 | ASPHALTIC CONCRETE | Sheen test consisted of placing soil into a jar with clean water, mixing, and conducting visual check for a sheen. |
| | | | | | SILTY SAND (SP): very dark gray (10YR 3/1), moist, 60% fine sand, 30% nonplastic fines [FILL] | |
| 2 | | | | 503 | SILTY SAND/SANDY SILT (SM/ML): very dark brown (10YR 2/2), moist, 50% fine sand, 50% nonplastic fines, contains plastic debris [FILL] | OVM = Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard. |
| 3 | | | | | SILTY SAND with GRAVEL (SP): very dark gray (10YR 3/1), moist, 60% fine to coarse sand, 20% nonplastic fines, 20% fine gravel | |
| 4 | | | | | | |
| 5 | | | | 325 | SILTY SAND (SP): greenish gray (5BG 5/1), moist, 70% fine sand, 30% nonplastic fines, hydrocarbon odor | |
| 6 | | | | | wet | |
| 7 | | | | 105 | | * Sheen test conducted; no sheen observed. |
| 8 | | | | | SILTY SAND (SP): greenish black (5BG 2.5/1), wet, 90% fine to medium sand, 10% nonplastic fines | * Sheen test conducted; no sheen observed. |
| 9 | | | | 19 | | |
| 10 | | | | | olive (5Y 5/3) | |
| 11 | | | | 1.1 | | * Sheen test conducted; no sheen observed. |
| 12 | | | | | very dark gray (5Y 3/1) | |
| 13 | | | | | PEAT (PT): dark brown (10YR 3/1), moist | |
| 14 | | | | | LEAN CLAY with SAND (CL): very dark gray (5Y 3/1), moist, 90% fines, 10% fine sand, medium plasticity, slow dilatancy, medium toughness | |
| 15 | | | | | POORLY GRADED GRAVEL with SAND (GP): very dark gray (5Y 3/1), wet, 55% fine to coarse rounded gravel, 40% fine to coarse sand, 5% fines | |



Log of Boring No. MIP-B-1 (cont'd)

| DEPTH (feet) | SAMPLES | | | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | REMARKS |
|-----------------|---------------|--------------------------|--|-------------------------|--|---------|
| | Sample No. | Sample Blows/ Foot | | | | |
| 16 | | | | | POORLY GRADED GRAVEL with SAND (GP): cont'd | |
| 17 | | | | 0.8 | LEAN CLAY (CL): gray (10YR 5/1), moist, 90% fines, 10% fine sand, low plasticity, medium dilatancy, soft, interbedded with SILT (ML): gray (10YR 5/1), 90% fines, 10% fine sand, low plasticity, low toughness | |
| 18 | | | | 0.8 | | |
| 19 | | | | | | |
| 20 | | | | 0.4 | interbedded with SILTY CLAY with SAND (CL/ML), moist, 80% fines, 20% fine sand, medium plasticity, low toughness | |
| 21 | | | | | | |
| 22 | | | | 0.6 | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | 0.5 | | |
| 26 | | | | | | |
| 27 | | | | 0.8 | | |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | | | | | | |
| 31 | | | | | | |
| 32 | | | | | | |
| 33 | | | | 0.9 | | |

MIP-B-1-23-24

PROJECT: FORMER DRIVE & PARK, INC. SITE
Poughkeepsie, New York

Log of Boring No. MIP-B-1 (cont'd)

| DEPTH (feet) | SAMPLES | | | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | REMARKS |
|-----------------|---------------|--------|----------------|-------------------------|--|--|
| | Sample No. | Sample | Blows/ Foot | | | |
| 34 | | | | | LEAN CLAY (CL): cont'd | |
| 35 | | | | | | |
| 36 | | | | | Bottom of boring at 36.0 feet | |
| 37 | | | | | | Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe. |
| 38 | | | | | | |
| 39 | | | | | | |
| 40 | | | | | | |
| 41 | | | | | | |
| 42 | | | | | | |
| 43 | | | | | | |
| 44 | | | | | | |
| 45 | | | | | | |
| 46 | | | | | | |
| 47 | | | | | | |
| 48 | | | | | | |
| 49 | | | | | | |
| 50 | | | | | | |
| 51 | | | | | | |

OAKBOREV (REV. 3/00)

| | | | |
|---|----------|---|------------------------------------|
| PROJECT: FORMER DRIVE & PARK, INC. SITE Poughkeepsie, New York | | Log of Boring No. MIP-B-13W | |
| BORING LOCATION: 28 IBM Road | | ELEVATION AND DATUM: Not surveyed; datum is ground surface | |
| DRILLING CONTRACTOR: Zebra Environmental, Inc. | | DATE STARTED: 7/6/05 | DATE FINISHED: 7/6/05 |
| DRILLING METHOD: Direct push | | TOTAL DEPTH (ft.): 16.0 | MEASURING POINT: Ground surface |
| DRILLING EQUIPMENT: Geoprobe 5400 | | DEPTH TO WATER (ft.): 7.5 | FIRST 7.5 |
| SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"] | | LOGGED BY: D. Averill | |
| HAMMER WEIGHT: NA | DROP: NA | RESPONSIBLE PROFESSIONAL: | REG. NO. |

| DEPTH (feet) | SAMPLES | | | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | REMARKS |
|-----------------|----------------|--------------------------|------|-------------------------|---|---|
| | Sample No. | Sample Blows/ Foot | Foot | | | |
| | | | | | Surface Elevation: Not surveyed | |
| 1 | | | | 150 | ASPHALTIC CONCRETE | Sheen test consisted of placing soil into a jar with clean water, mixing, and conducting visual check for a sheen. No sheen observed. |
| 2 | | | | | AGGREGATE BASE | |
| 3 | | | | 110 | ASPHALTIC CONCRETE | OVM = Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard. |
| 4 | | | | | SILTY SAND (SM): dark gray (10YR 4/1), moist, 85% fine to medium sand, 15% nonplastic fines [FILL] | |
| 5 | | | | 96 | POORLY GRADED SAND with SILT (SP-SM): brown (10YR 5/3), moist, 90% fine sand, 10% nonplastic fines | * Sheen test conducted: no sheen observed. |
| 6 | | | | | contains rootlets | |
| 7 | MIP-B-13W-6.5 | | | 546 | dark gray (10YR 4/1), hydrocarbon odor | * Sheen test conducted: no sheen observed. |
| 8 | MIP-B-13W-8.5 | | | 27 | wet | * Sheen test conducted: no sheen observed. |
| 9 | | | | 20 | | * Sheen test conducted: no sheen observed. |
| 10 | MIP-B-13W-11.0 | | | | PEAT (PT) | |
| 11 | | | | 6 | SILT (ML): dark yellowish brown (10YR 4/4), moist, 95% fines, 5% fine sand, nonplastic, medium dilatancy, soft; interbedded with LEAN CLAY (CL): very dark gray (10YR 3/1), moist, 100% fines, nonplastic, firm, slow dilatancy, medium toughness | |
| 12 | MIP-B-13W-12.5 | | | | | |
| 13 | | | | 1 | | |
| 14 | MIP-B-13W-15.0 | | | | | |



PROJECT: FORMER DRIVE & PARK, INC. SITE
 Poughkeepsie, New York

Log of Boring No. MIP-B-13W (cont'd)

| DEPTH (feet) | SAMPLES | | | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | REMARKS |
|-----------------|---------------|--------|----------------|-------------------------|--|--|
| | Sample No. | Sample | Blows/ Foot | | | |
| 16 | | X | | | SILT (ML): cont'd | Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe. |
| 17 | | | | | Bottom of boring at 16.0 feet | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |
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| 30 | | | | | | |
| 31 | | | | | | |
| 32 | | | | | | |
| 33 | | | | | | |

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|---|----------|---|------------------------------------|
| PROJECT: FORMER DRIVE & PARK, INC. SITE Poughkeepsie, New York | | Log of Boring No. MIP-B-14E | |
| BORING LOCATION: 28 IBM Road | | ELEVATION AND DATUM: Not surveyed; datum is ground surface | |
| DRILLING CONTRACTOR: Zebra Environmental, Inc. | | DATE STARTED: 7/6/05 | DATE FINISHED: 7/6/05 |
| DRILLING METHOD: Direct push | | TOTAL DEPTH (ft.): 16.0 | MEASURING POINT: Ground surface |
| DRILLING EQUIPMENT: Geoprobe 5400 | | DEPTH TO WATER (ft.): 7.5 | FIRST COMPL. NA |
| SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"] | | LOGGED BY: D. Averill | |
| HAMMER WEIGHT: NA | DROP: NA | RESPONSIBLE PROFESSIONAL: | REG. NO. |

| DEPTH (feet) | SAMPLES | | | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | REMARKS |
|-----------------|---------------|--------|----------------|-------------------------|--|--|
| | Sample No. | Sample | Blows/ Foot | | | |
| | | | | | Surface Elevation: Not surveyed | |
| 1 | | | | 5 | ASPHALTIC CONCRETE AGGREGATE BASE | <u>Sheen test</u> consisted of placing soil into a jar with clean water, mixing, and conducting visual check for a sheen. No sheen observed. |
| 2 | | | | 12 | SILTY SAND with GRAVEL (SM): yellowish brown (10YR 5/3), moist, 70% fine to coarse sand, 15% fine gravel, 15% nonplastic fines ↓ grayish brown (10YR 5/2) | |
| 3 | | | | 500 | SILTY SAND (SP): yellowish brown (10YR 5/4), moist, 85% fine to medium sand, 15% nonplastic fines | OVM = Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard. |
| 4 | | | | (>2000) | ↓ gray (10YR 5/1) | |
| 5 | | | | | | * Sheen test conducted; no sheen observed. |
| 6 | | | | | ↓ wet | |
| 7 | | | | | ↓ hydrocarbon odor and sheen | * Sheen test conducted; sheen observed. |
| 8 | | | | | | |
| 9 | | | | | | * Sheen test conducted; no sheen observed. |
| 10 | | | | | | |
| 11 | | | | | | * Sheen test conducted; no sheen observed. |
| 12 | | | | | | |
| 13 | | | | 26 | | * Sheen test conducted; no sheen observed. |
| 14 | | | | 20 | PEAT (PT): dark brown (10YR 3/3), moist POORLY GRADED SAND (SP) | |
| 15 | | | | | | |

| DEPTH (feet) | SAMPLES | | | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | REMARKS |
|-----------------|---------------|--------|----------------|-------------------------|--|--|
| | Sample No. | Sample | Blows/ Foot | | | |
| 16 | | X | | | POORLY GRADED GRAVEL with SILT and SAND (GP-GM): dark gray (10YR 4/1), wet, 80% fine gravel, 10% fine to coarse sand, 10% nonplastic fines | * Sheen test conducted; no sheen observed. |
| 17 | | | | | Bottom of boring at 16.0 feet | Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe. |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
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| 28 | | | | | | |
| 29 | | | | | | |
| 30 | | | | | | |
| 31 | | | | | | |
| 32 | | | | | | |
| 33 | | | | | | |



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|---|--|---|------------------------------------|
| PROJECT: FORMER DRIVE & PARK, INC. SITE Poughkeepsie, New York | | Log of Boring No. MIP-B-16N | |
| BORING LOCATION: 28 IBM Road | | ELEVATION AND DATUM: Not surveyed; datum is ground surface | |
| DRILLING CONTRACTOR: Zebra Environmental, Inc. | | DATE STARTED: 7/6/05 | DATE FINISHED: 7/6/05 |
| DRILLING METHOD: Direct push | | TOTAL DEPTH (ft.): 16.0 | MEASURING POINT: Ground surface |
| DRILLING EQUIPMENT: Geoprobe 5400 | | DEPTH TO WATER (ft.) | FIRST 6.2 |
| SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"] | | LOGGED BY: D. Averill | |
| HAMMER WEIGHT: NA | | DROP: NA | REG. NO. |

| DEPTH (feet) | SAMPLES | | | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | REMARKS |
|-----------------|----------------|--------|----------------|-------------------------|--|---|
| | Sample No. | Sample | Blows/ Foot | | | |
| | | | | | Surface Elevation: Not surveyed | |
| 1 | | | | | ASPHALTIC CONCRETE | Sheen test consisted of placing soil into a jar with clean water, mixing, and conducting visual check for a sheen. No sheen observed. |
| 1 | | | | (>2000) | SILTY SAND (SM): dark gray (10YR 4/1), moist, 85% fine sand, 15% nonplastic fines, trace fine gravel, contains rootlets, wood debris [FILL] | |
| 2 | | | | | | |
| 3 | MIP-B-16N-3.0 | | | | | OVM = Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard. |
| 3 | | | | | | OVM readings shown in parentheses () are over the 2000 ppm upper range of the detector. |
| 4 | | | | | grayish brown (10YR 5/2) | * Sheen test conducted; no sheen observed. |
| 5 | | | | | | |
| 6 | MIP-B-16N-6.3 | | | | wet | * Sheen test conducted; no sheen observed. |
| 7 | | | | | | |
| 8 | MIP-B-16N-8.5 | | | | dark greenish gray (GLE Y2 4/1), sheen | * Sheen test conducted; sheen observed. |
| 9 | MIP-B-16N-9.8 | | | | | |
| 10 | MIP-B-16N-10.0 | | | 61 | 75% fine sand, 25% nonplastic fines PEAT (PT): dark brown (10YR 3/3), moist | |
| 11 | MIP-B-16N-11.5 | | | | POORLY GRADED GRAVEL with SILT and SAND (GP-GM): dark greenish gray (GLE Y2 4/1), wet, 60% fine subrounded gravel, 30% fine to medium sand, 10% nonplastic fines | * Sheen test conducted; no sheen observed. |
| 12 | MIP-B-16N-12.0 | | | | | |
| 13 | MIP-B-16N-13.0 | | | 15 | SILT (ML): dark gray (2.5Y 4/1), moist, 80% fines, 20% fine sand, nonplastic, soft, rapid dilatancy | |
| 14 | MIP-B-16N-14.5 | | | | | |
| 15 | MIP-B-16N-15.0 | | | | | |



PROJECT: FORMER DRIVE & PARK, INC. SITE
Poughkeepsie, New York

Log of Boring No. MIP-B-16N (cont'd)

| DEPTH (feet) | SAMPLES | | | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | REMARKS |
|-----------------|---------------|--------|----------------|-------------------------|--|--|
| | Sample No. | Sample | Blows/ Foot | | | |
| 16 | | X | | | SILT (ML): cont'd | Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe. |
| 17 | | | | | Bottom of boring at 16.0 feet | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
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| 32 | | | | | | |
| 33 | | | | | | |

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|---|----------|---|------------------------------------|
| PROJECT: FORMER DRIVE & PARK, INC. SITE Poughkeepsie, New York | | Log of Boring No. MIP-B-20 | |
| BORING LOCATION: 28 IBM Road | | ELEVATION AND DATUM: Not surveyed; datum is ground surface | |
| DRILLING CONTRACTOR: Zebra Environmental, Inc. | | DATE STARTED: 6/30/04 | DATE FINISHED: 6/30/04 |
| DRILLING METHOD: Direct push | | TOTAL DEPTH (ft.): 20.0 | MEASURING POINT: Ground surface |
| DRILLING EQUIPMENT: Geoprobe 5400 | | DEPTH TO WATER (ft.) | FIRST 5.2 |
| SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"] | | LOGGED BY: D. Averill | |
| HAMMER WEIGHT: NA | DROP: NA | RESPONSIBLE PROFESSIONAL: | REG. NO. |

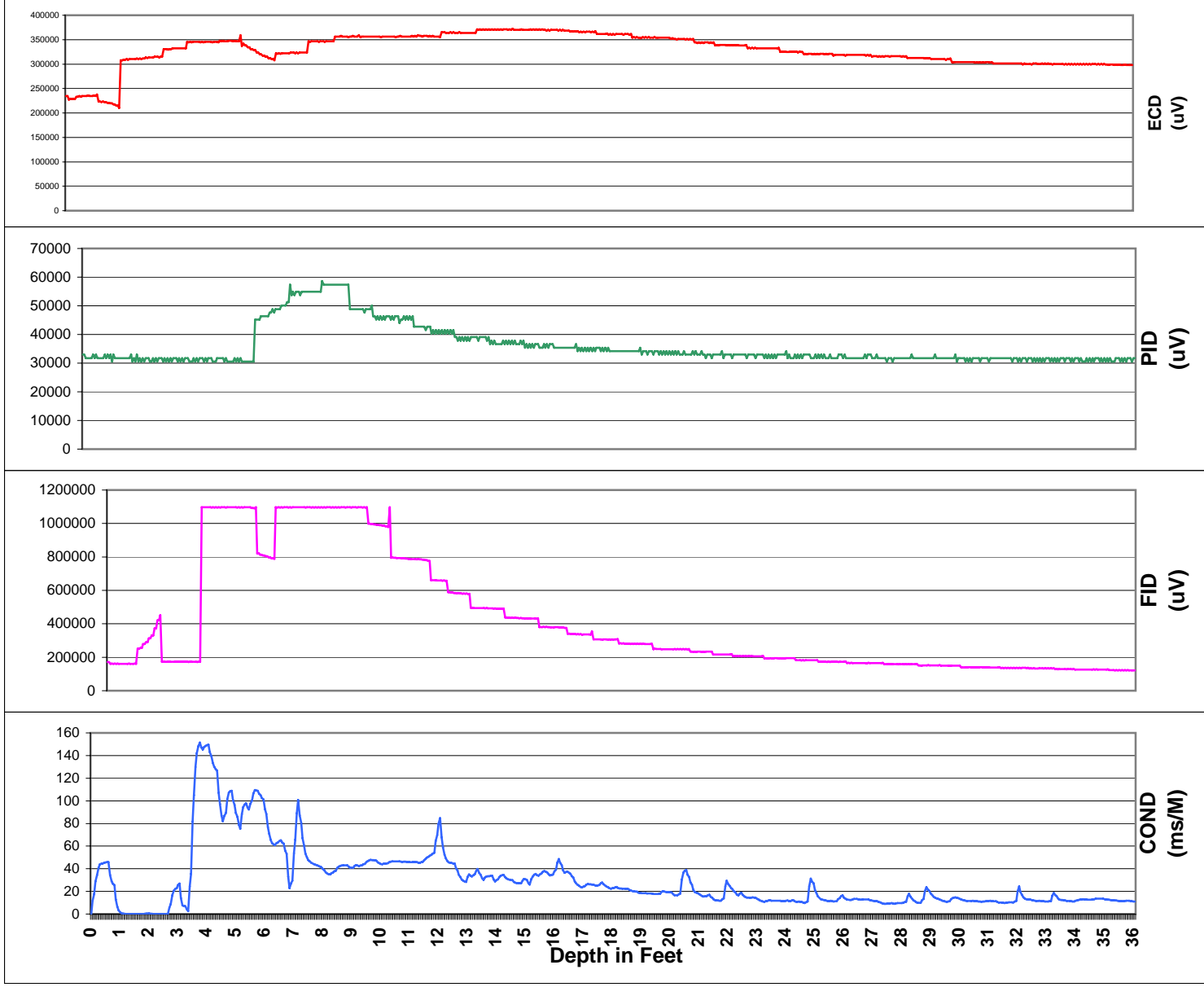
| DEPTH (feet) | SAMPLES | | | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | REMARKS |
|-----------------|---------------|--------|----------------|-------------------------|--|---|
| | Sample No. | Sample | Blows/ Foot | | | |
| | | | | | Surface Elevation: Not surveyed | |
| 1 | | | | 7 | VEGETATION? ASPHALTIC CONCRETE POORLY GRADED GRAVEL with SILT (GP-GM): dark yellowish brown (10YR 4/4), moist, 90% fine to coarse gravel, 10% nonplastic fines | OVM = Thermo Environmental Instruments 580B PID calibrated with 100 ppm isobutylene standard. |
| 2 | | | | 858 | SANDY SILT (ML): dark gray (2.5Y 4/1), moist, 70% fines, 30% fine to coarse sand, trace fine gravel, low plasticity, firm, slow dilatancy, contains roots, wood debris, hydrocarbon odor | |
| 3 | | | | | | OVM readings shown in parentheses () are over the 2000 ppm upper range of the detector. |
| 4 | | | | 1125 | SILTY SAND (SM): olive brown (2.5Y 4/3), moist, 65% fine sand, 35% nonplastic fines, contains rootlets, strong hydrocarbon odor | |
| 5 | | | | | wet, dark gray (2.5Y 4/1) | |
| 6 | | | | 1646 | | |
| 7 | | | | | | |
| 8 | | | | 1500 | very dark gray (2.5Y 3/1) separate-phase hydrocarbon product | |
| 9 | | | | | | |
| 10 | | | | (>2000) | iron oxide staining PEAT (PT): very dark grayish brown (2.5Y 3/2), moist | |
| 11 | | | | | SILTY GRAVEL with SAND (GM): dark gray (2.5Y 4/1), wet, 60% fine to coarse rounded gravel, 25% fine to coarse sand, 15% nonplastic fines | |
| 12 | | | | | | |
| 13 | | | | 196 | POORLY GRADED SAND with GRAVEL (SP): dark gray (2.5Y 4/1), wet, 80% fine to coarse sand, 15% fine to coarse gravel, 5% fines | |
| 14 | | | | | | |
| 15 | | | | 24 | SILT with SAND (ML): dark gray (2.5Y 4/1), wet, 80% fines, 20% fine sand, nonplastic, firm, rapid dilatancy | |



Log of Boring No. MIP-B-20 (cont'd)

| DEPTH (feet) | SAMPLES | | | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | REMARKS |
|-----------------|---------------|--------------------------|--|-------------------------|--|--|
| | Sample No. | Sample Blows/ Foot | | | | |
| 16 | | | | | SILT with SAND (ML): cont'd | |
| 17 | | | | 1.6 | LEAN CLAY (CL) | |
| 18 | | | | | | |
| 19 | | | | | LEAN CLAY (CL) | |
| 20 | | | | | Bottom of boring at 20.0 feet | Borehole destroyed using Type I-II neat cement grout placed from total depth to ground surface with a tremie pipe. |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | | | | | | |
| 31 | | | | | | |
| 32 | | | | | | |
| 33 | | | | | | |

ZEBRA EC/MIP Summary Log, Point MIP- 1 MIP- 1

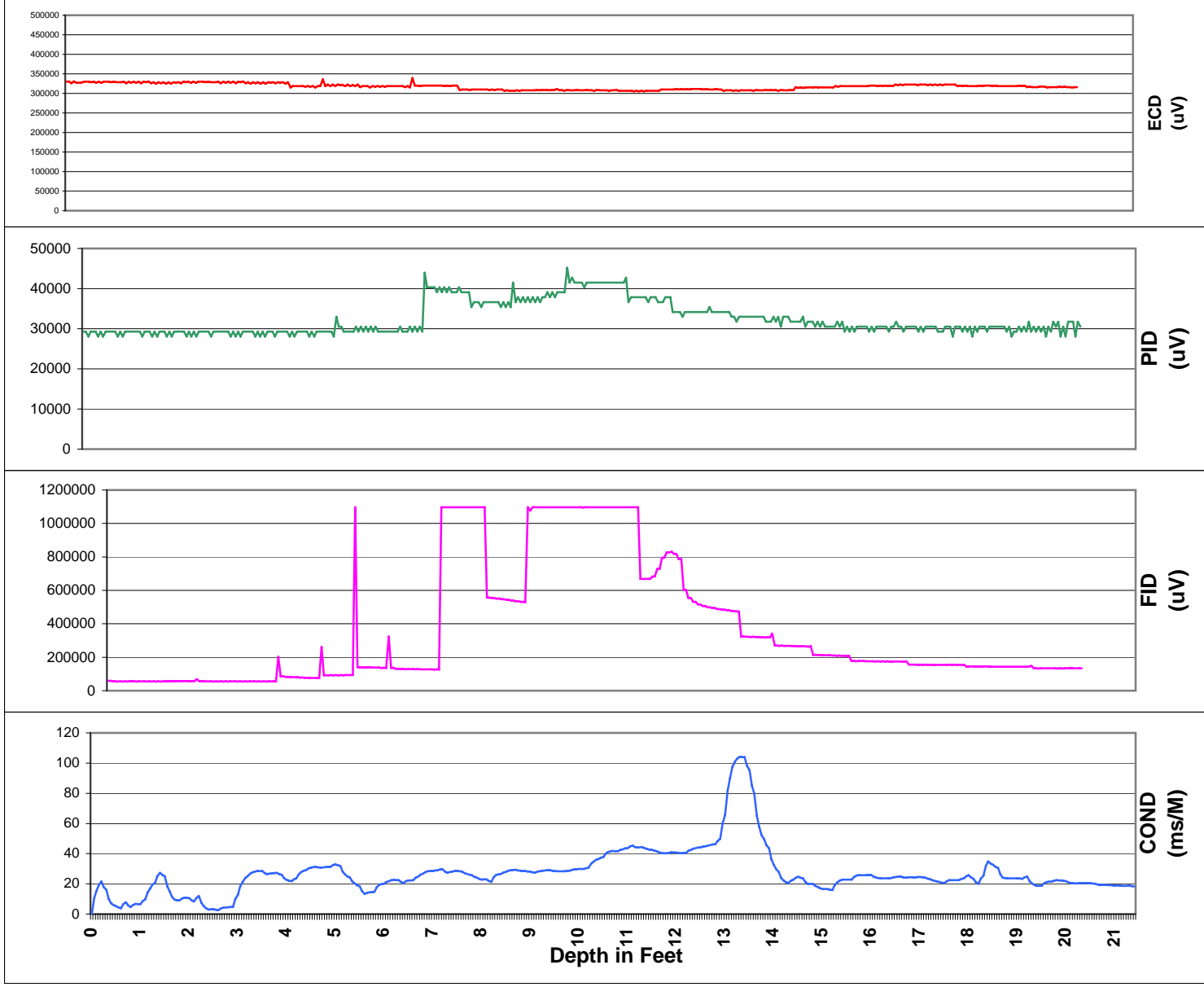


for: GeoMatrix - Poughkeepsie
 by: Zebra Environmental
 30 No. Prospect Avenue
 Lynbrook, NY 11563
 (516) 596-6300

Date: 6/28/2005
 Proj. Name: Avis Facility
 Proj. #: DS8873
 Operators: Chris
 Point 1 of 6



ZEBRA EC/MIP Summary Log, Point MIP- 2

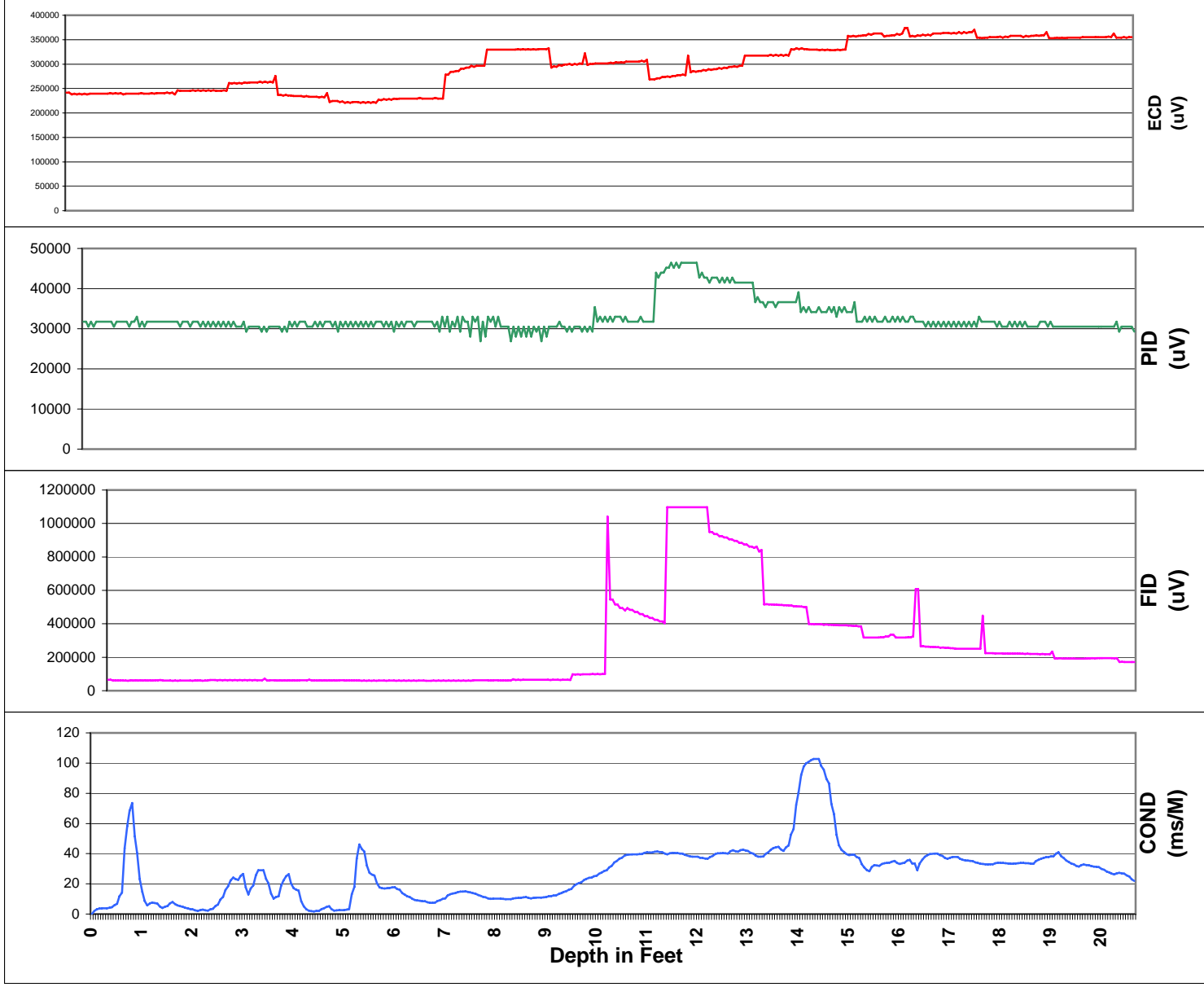


for: GeoMatrix - Poughkeepsie
by: Zebra Environmental
30 No. Prospect Avenue
Lynbrook, NY 11563
(516) 596-6300

Date: 6/28/2005
Proj. Name: Avis Facility
Proj. #: DS8873
Operators: Chris
Point 2 of 6



**ZEBRA EC/MIP Summary Log, Point MIP-3
MIP-1**

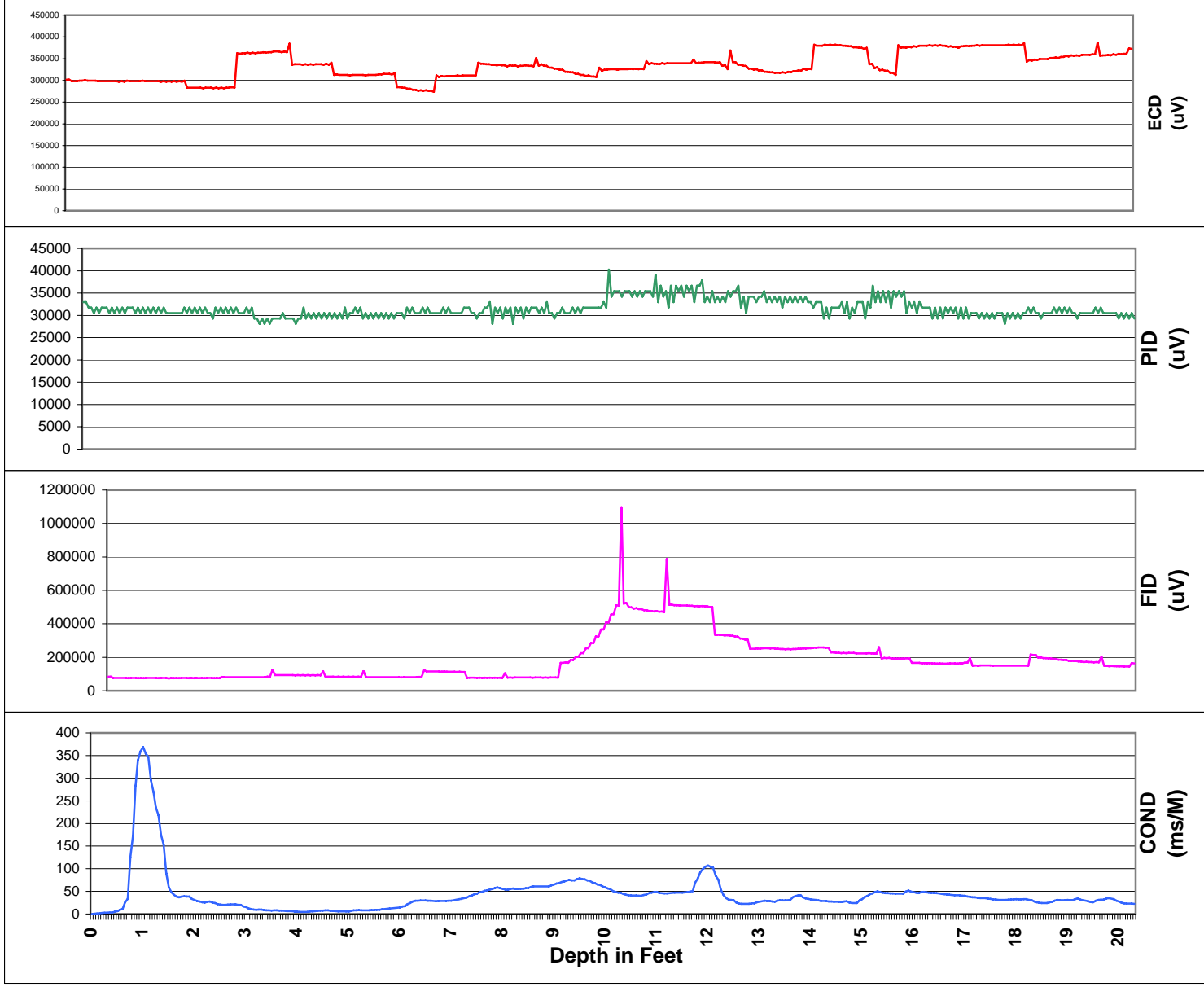


for: GeoMatrix - Poughkeepsie
 by: Zebra Environmental
 30 No. Prospect Avenue
 Lynbrook, NY 11563
 (516) 596-6300

Date: 6/28/2005
 Proj. Name: Avis Facility
 Proj. #: DS8873
 Operators: Chris
 Point 3 of 6



**ZEBRA EC/MIP Summary Log, Point MIP- 4
MIP- 1**

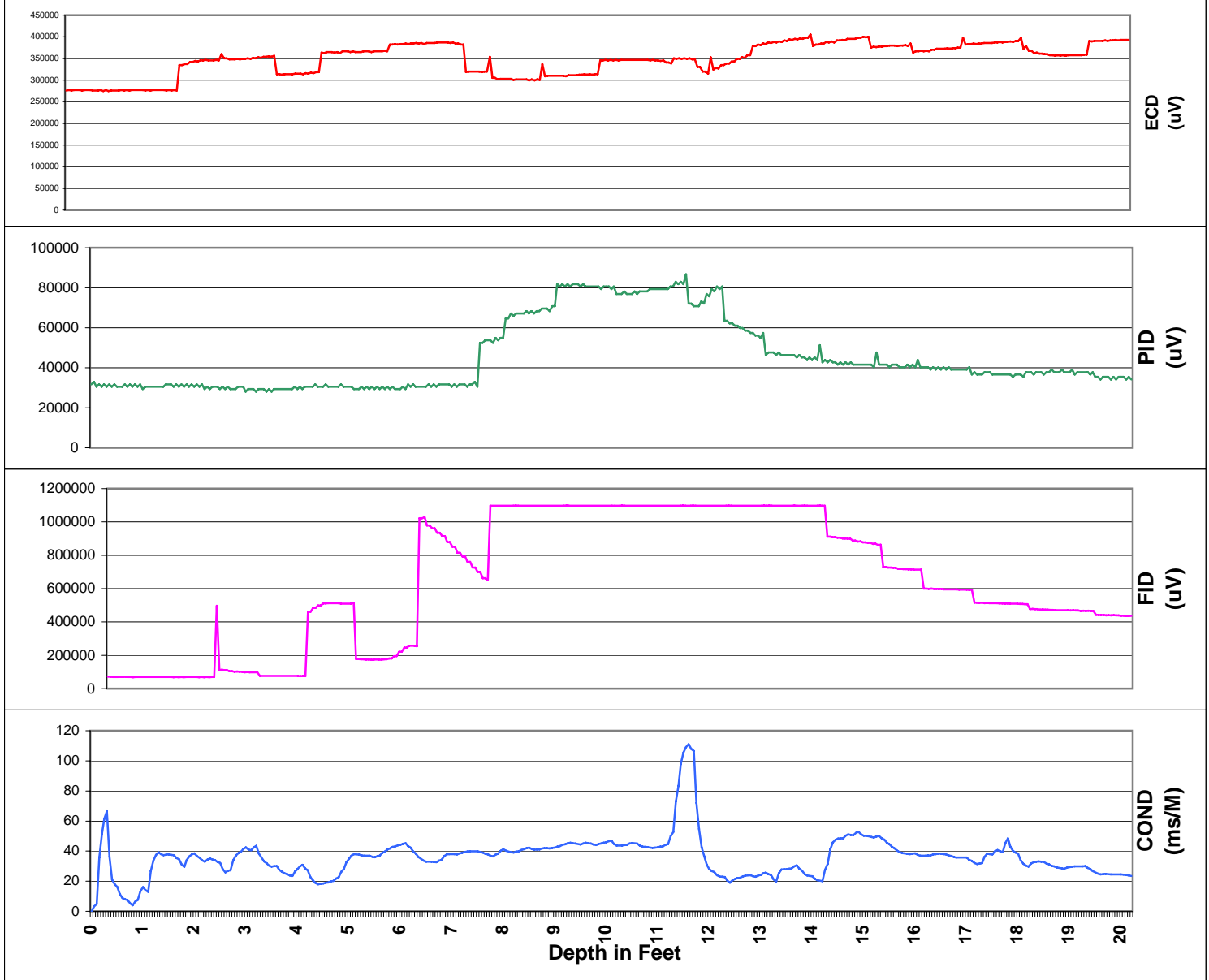


Date: 6/28/2005
 Proj. Name: Avis Facility
 Proj. #: DS8873
 Operators: Chris
 Point 5 of 6

for: GeoMatrix - Poughkeepsie
 by: Zebra Environmental
 30 No. Prospect Avenue
 Lynbrook, NY 11563
 (516) 596-6300

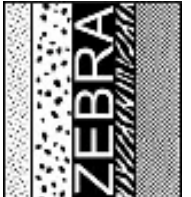


**ZEBRA EC/MIP Summary Log, Point MIP- 5
MIP- 1**

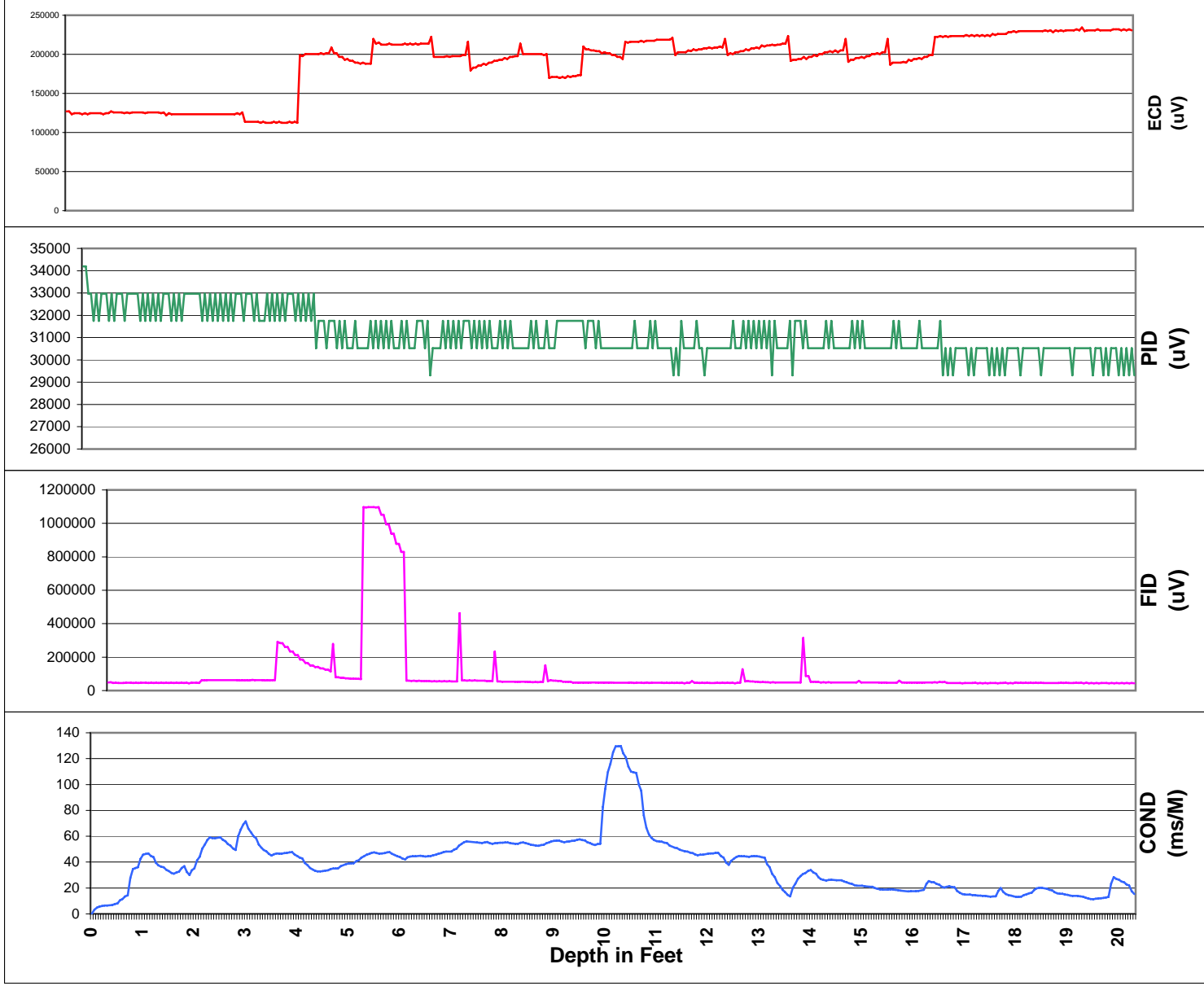


Date: 6/28/2005
 Proj. Name: Avis Facility
 Proj. #: DS8873
 Operators: Chris
 Point 6 of 6

for: GeoMatrix - Poughkeepsie
 by: Zebra Environmental
 30 No. Prospect Avenue
 Lynbrook, NY 11563
 (516) 596-6300



ZEBRA EC/MIP Summary Log, Point MIP-6 AVIS

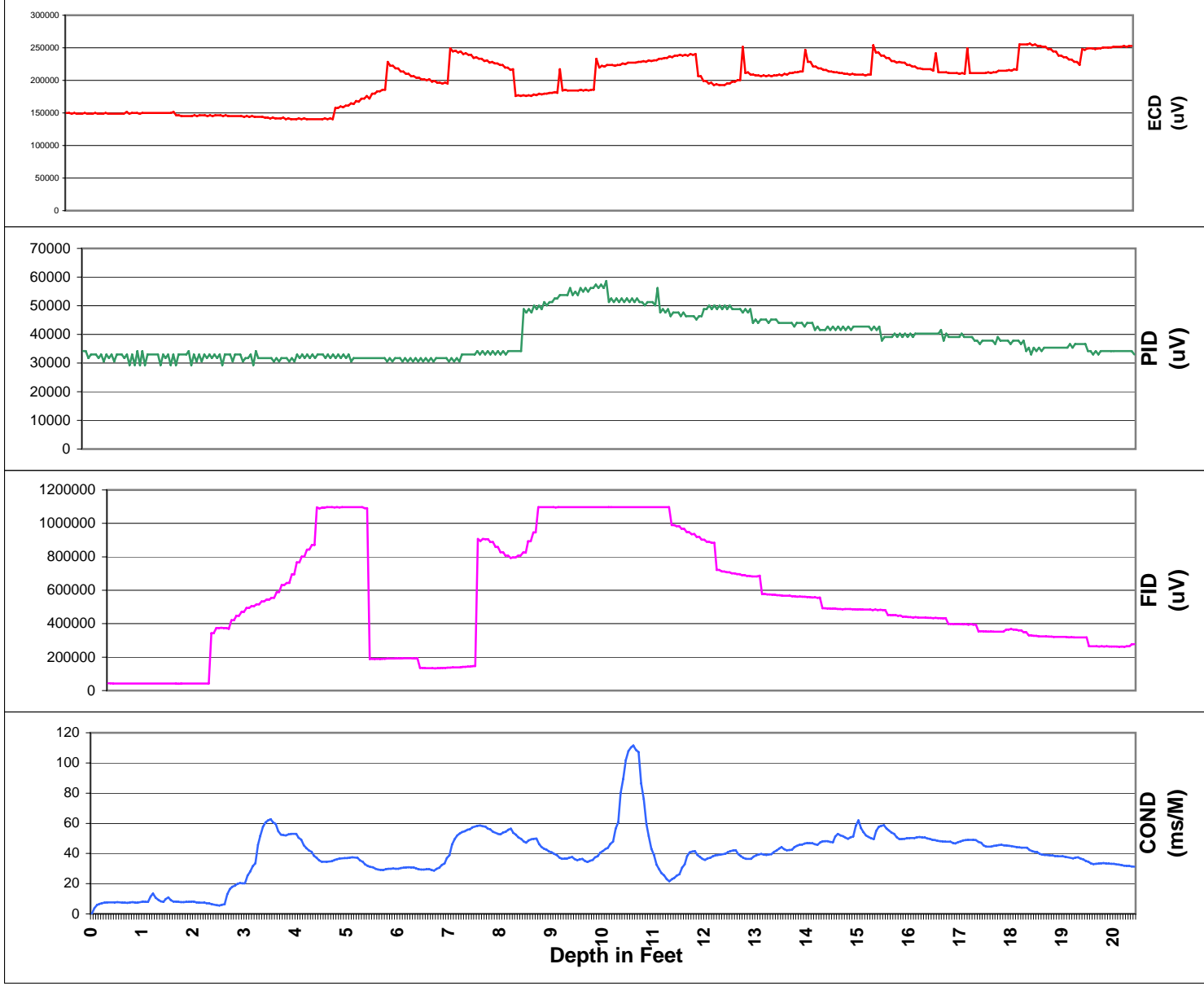


Date: 6/29/2005
 Proj. Name: Avis Facility
 Proj. #: DS8873
 Operators: Chris
 Point 1 of 9

for: GeoMatrix - Poughkeepsie
 by: Zebra Environmental
 30 No. Prospect Avenue
 Lynbrook, NY 11563
 (516) 596-6300



**ZEBRA EC/MIP Summary Log, Point MIP-7
AVIS**

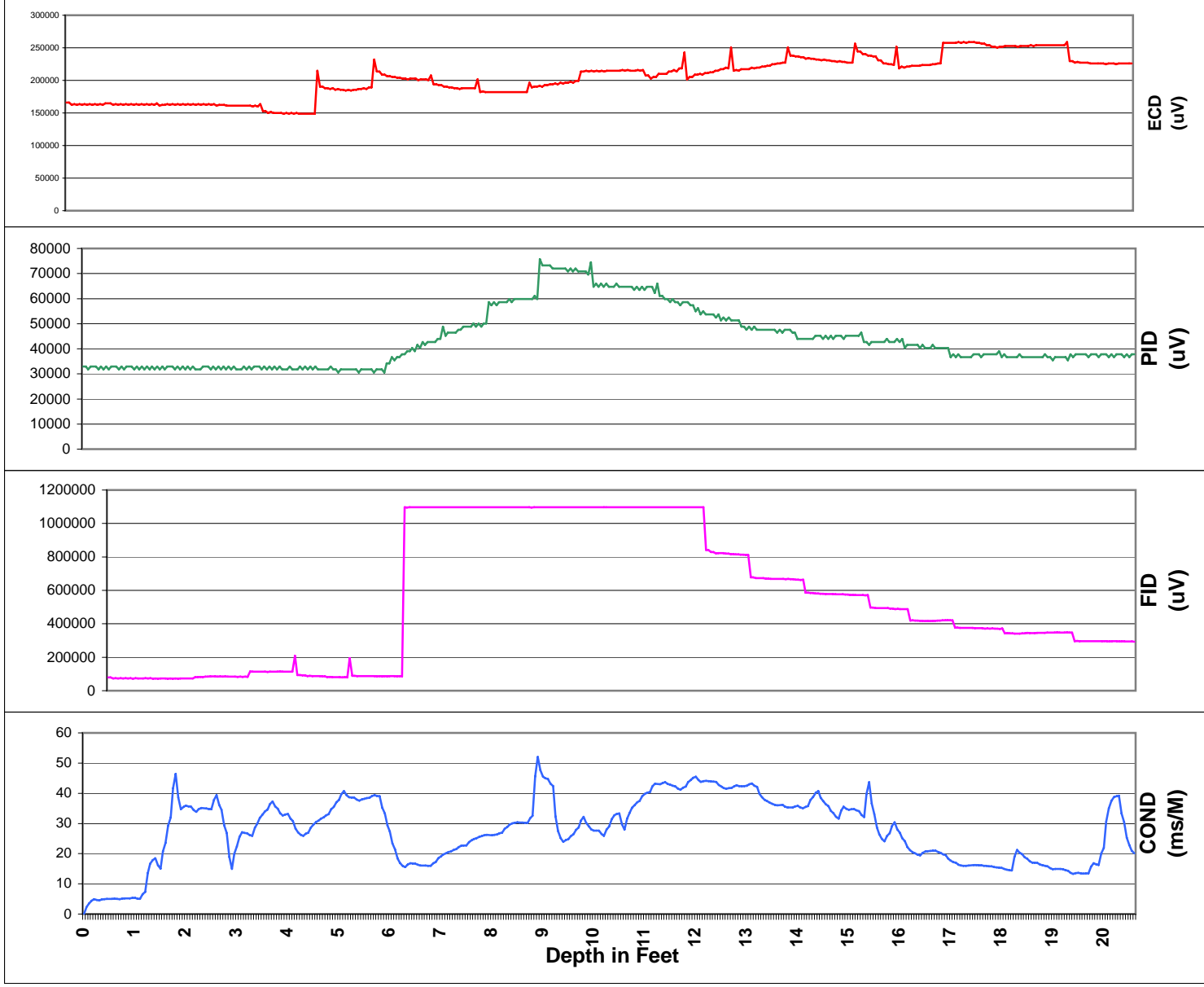


for: GeoMatrix - Poughkeepsie
 by: Zebra Environmental
 30 No. Prospect Avenue
 Lynbrook, NY 11563
 (516) 596-6300

Date: 6/29/2005
 Proj. Name: Avis Facility
 Proj. #: DS8873
 Operators: Chris
 Point 2 of 9

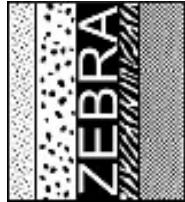


**ZEBRA EC/MIP Summary Log, Point MIP-8
AVIS**

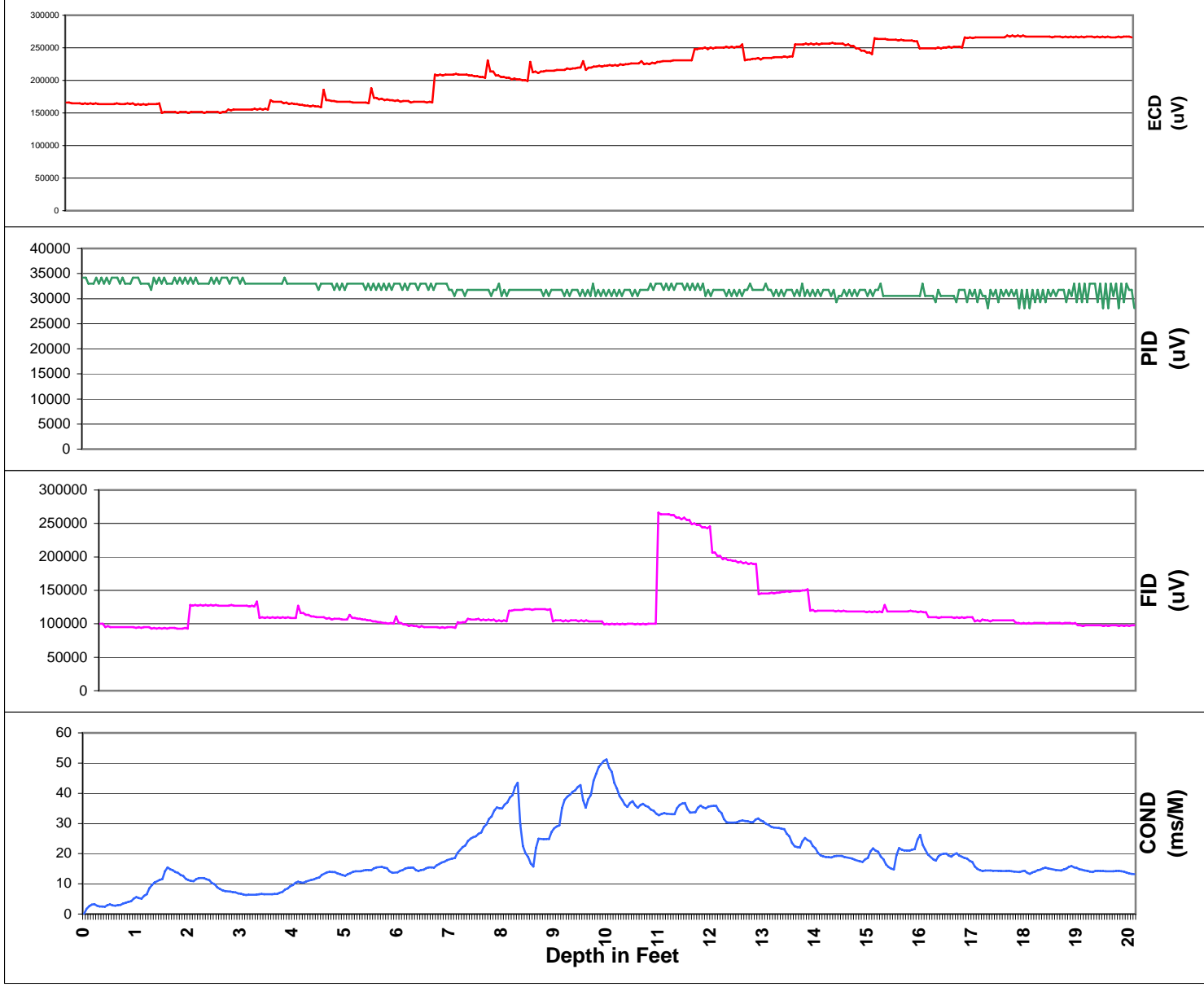


Date: 6/29/2005
 Proj. Name: Avis Facility
 Proj. #: DS8873
 Operators: Chris
 Point 3 of 9

for: GeoMatrix - Poughkeepsie
 by: Zebra Environmental
 30 No. Prospect Avenue
 Lynbrook, NY 11563
 (516) 596-6300



**ZEBRA EC/MIP Summary Log, Point MIP- 9
AVIS**

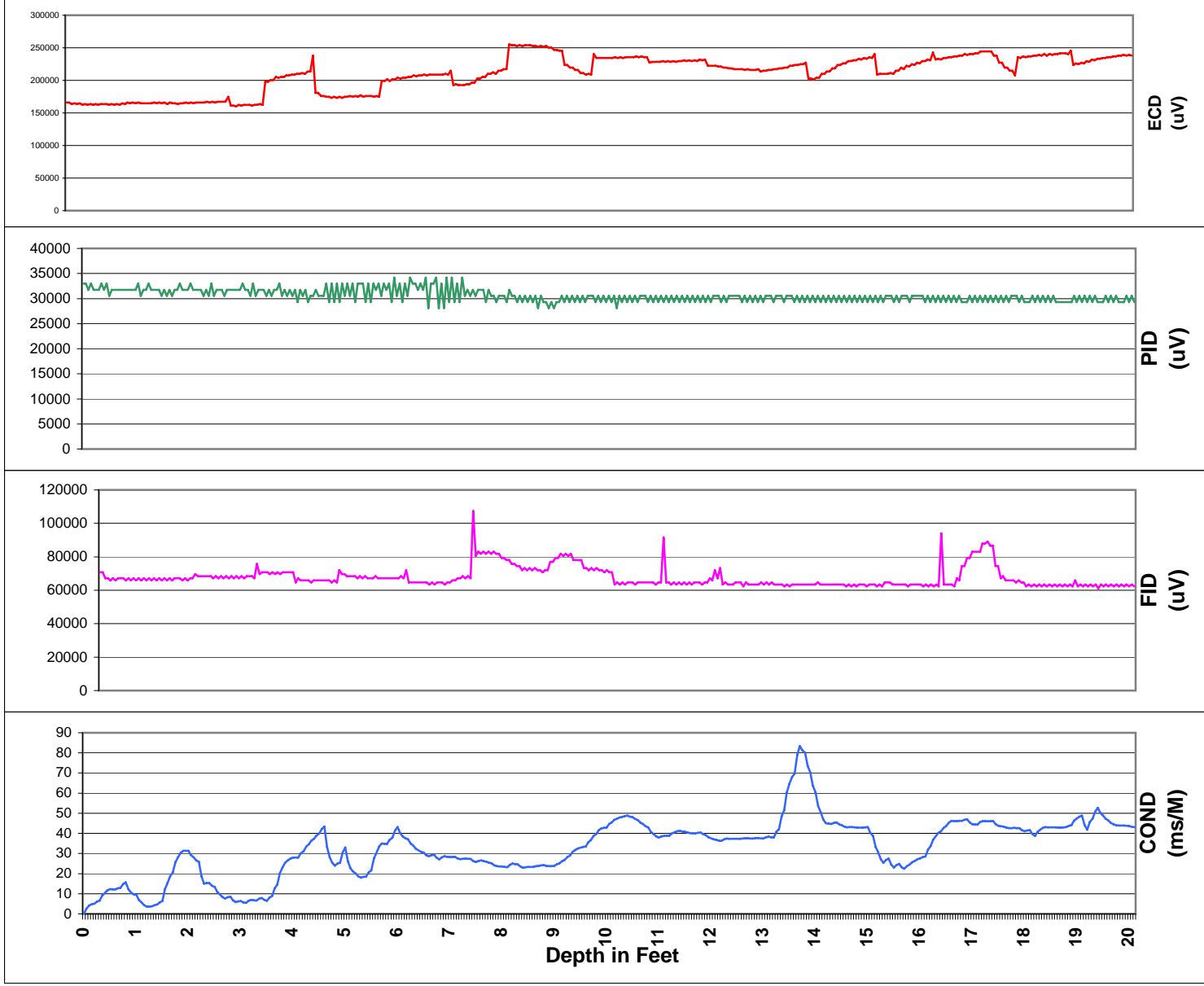


for: GeoMatrix - Poughkeepsie
by: Zebra Environmental
30 No. Prospect Avenue
Lynbrook, NY 11563
(516) 596-6300

Date: 6/29/2005
Proj. Name: Avis Facility
Proj. #: DS8873
Operators: Chris
Point 4 of 9

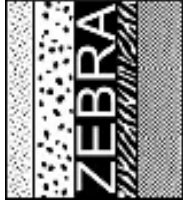


ZEBRA EC/MIP Summary Log, Point MIP- 10
AVIS

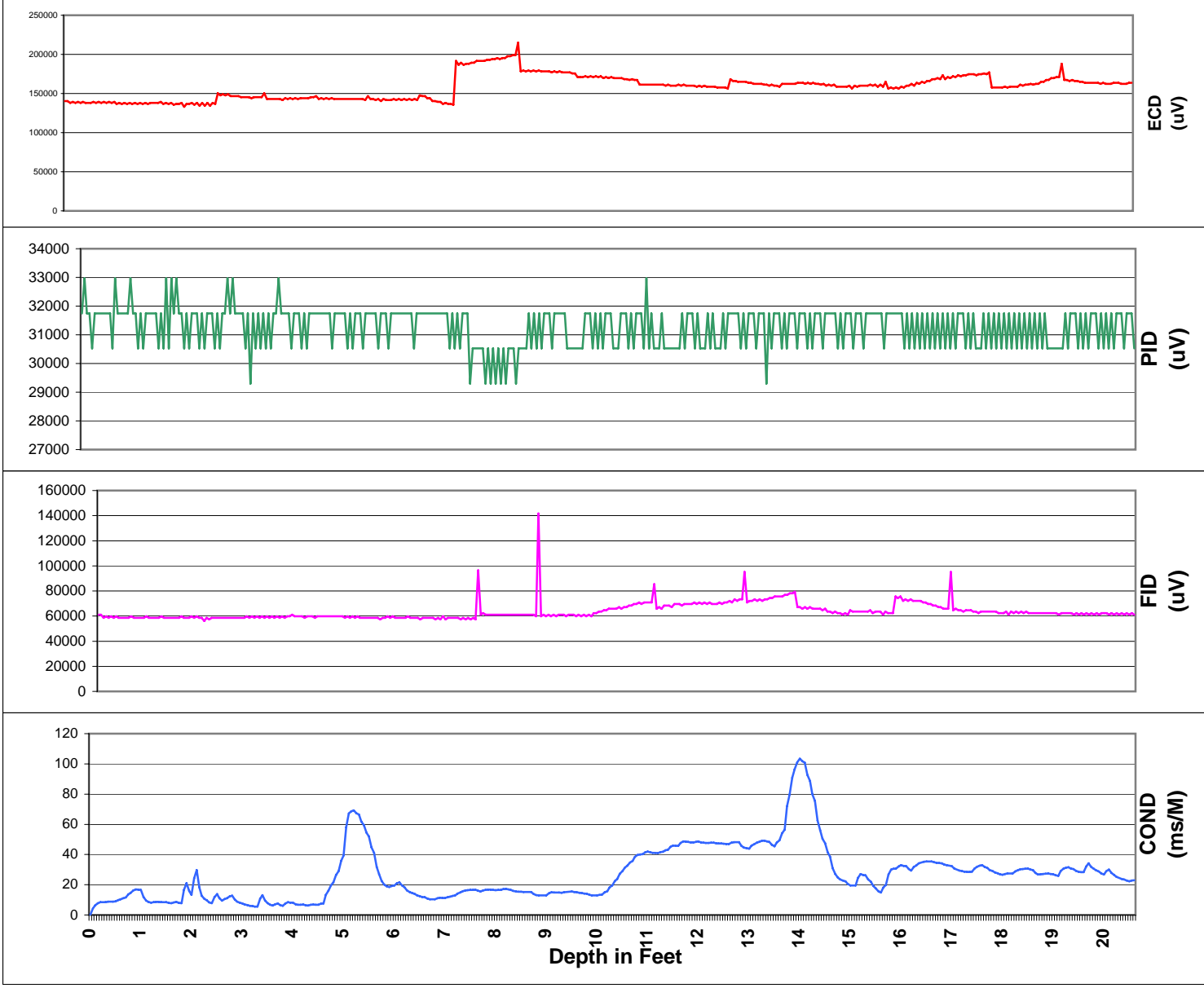


for: GeoMatrix - Poughkeepsie
by: Zebra Environmental
30 No. Prospect Avenue
Lynbrook, NY 11563
(516) 596-6300

Date: 6/29/2005
Proj. Name: Avis Facility
Proj. #: DS8873
Operators: Chris
Point 5 of 9



**ZEBRA EC/MIP Summary Log, Point MIP- 11
AVIS**

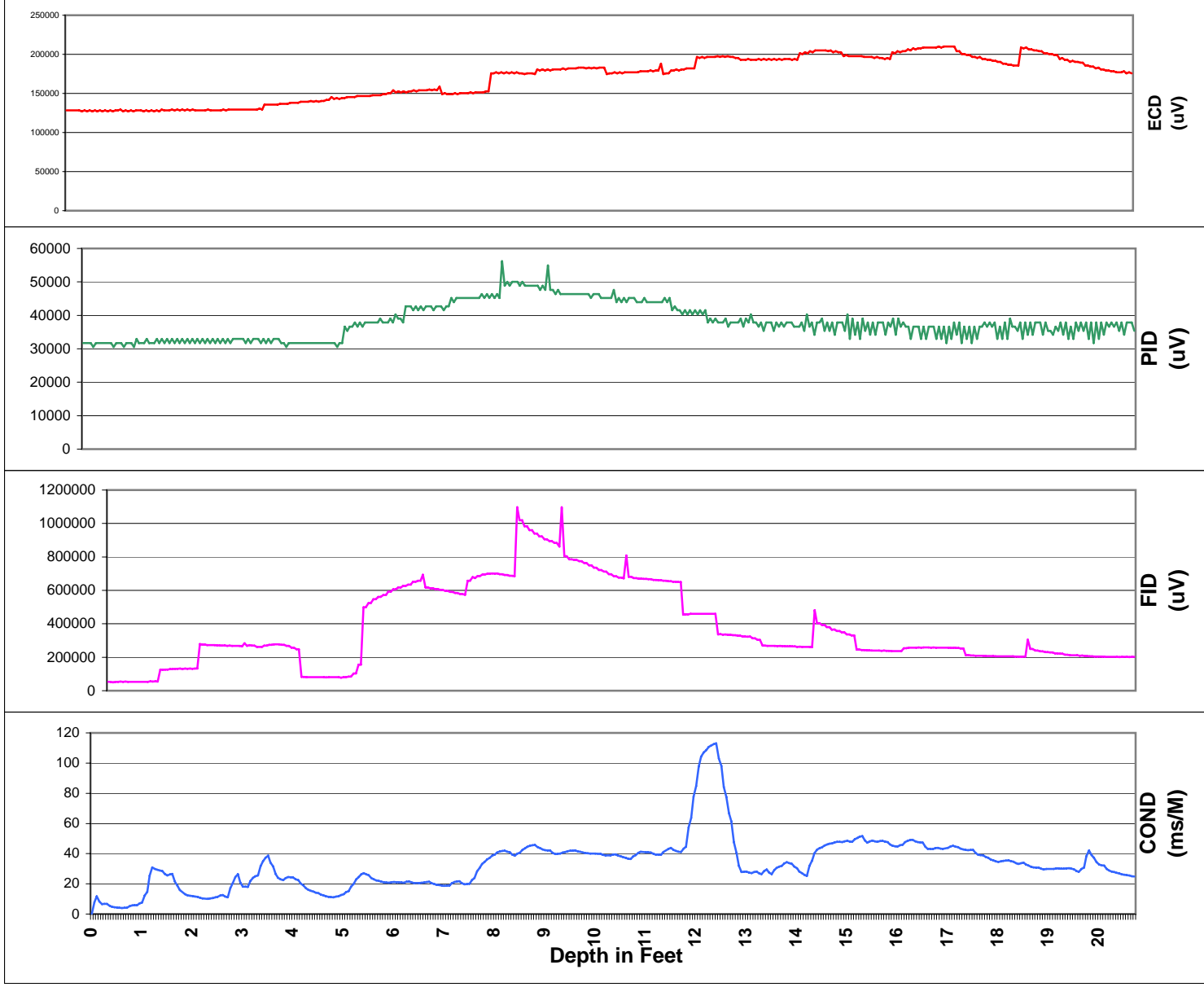


for: GeoMatrix - Poughkeepsie
by: Zebra Environmental
30 No. Prospect Avenue
Lynbrook, NY 11563
(516) 596-6300

Date: 6/29/2005
Proj. Name: Avis Facility
Proj. #: DS8873
Operators: Chris
Point 6 of 9

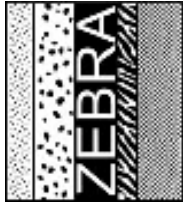


ZEBRA EC/MIP Summary Log, Point MIP- 12
AVIS

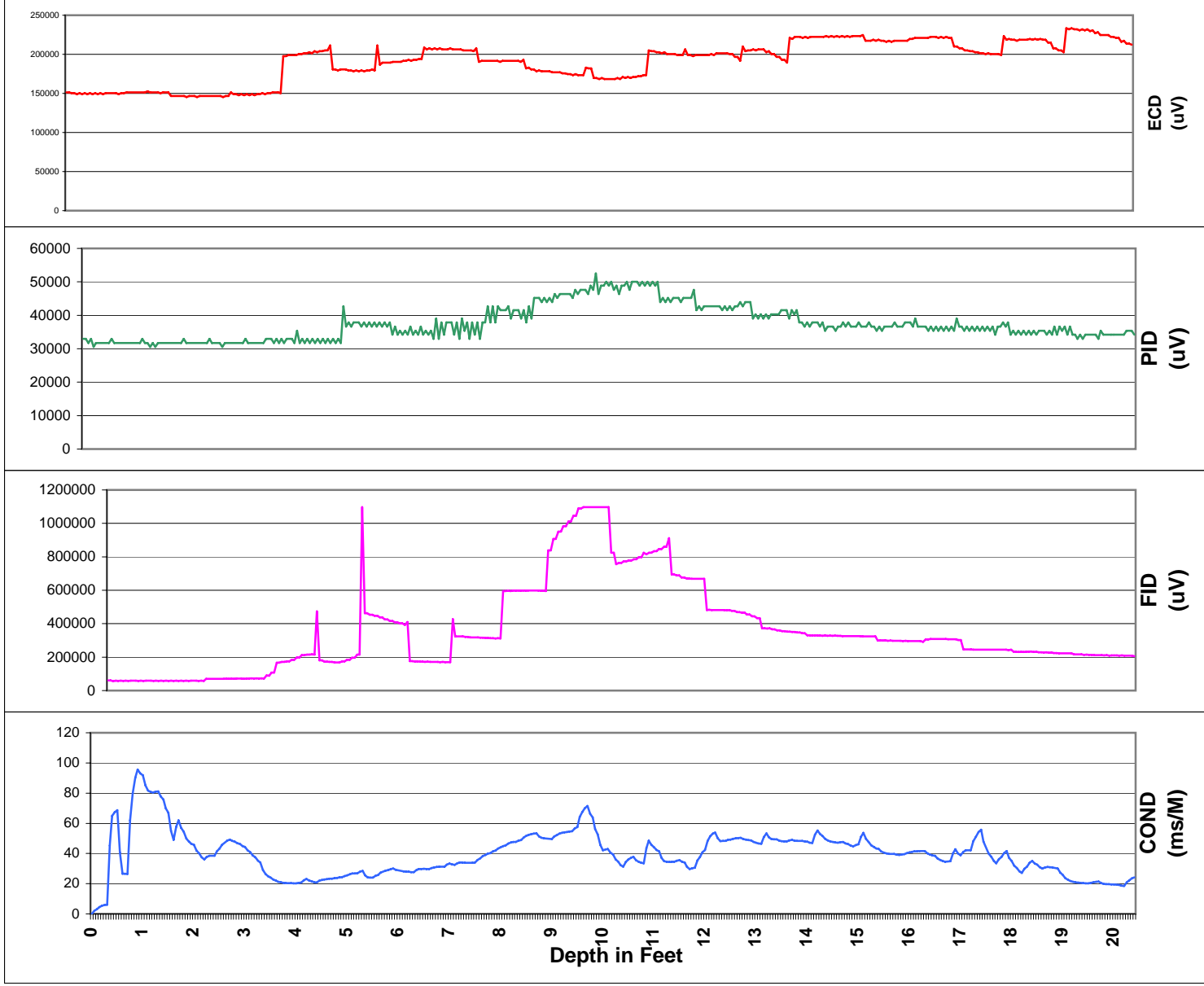


for: GeoMatrix - Poughkeepsie
by: Zebra Environmental
30 No. Prospect Avenue
Lynbrook, NY 11563
(516) 596-6300

Date: 6/29/2005
Proj. Name: Avis Facility
Proj. #: DS8873
Operators: Chris
Point 7 of 9



ZEBRA EC/MIP Summary Log, Point MIP- 13
AVIS

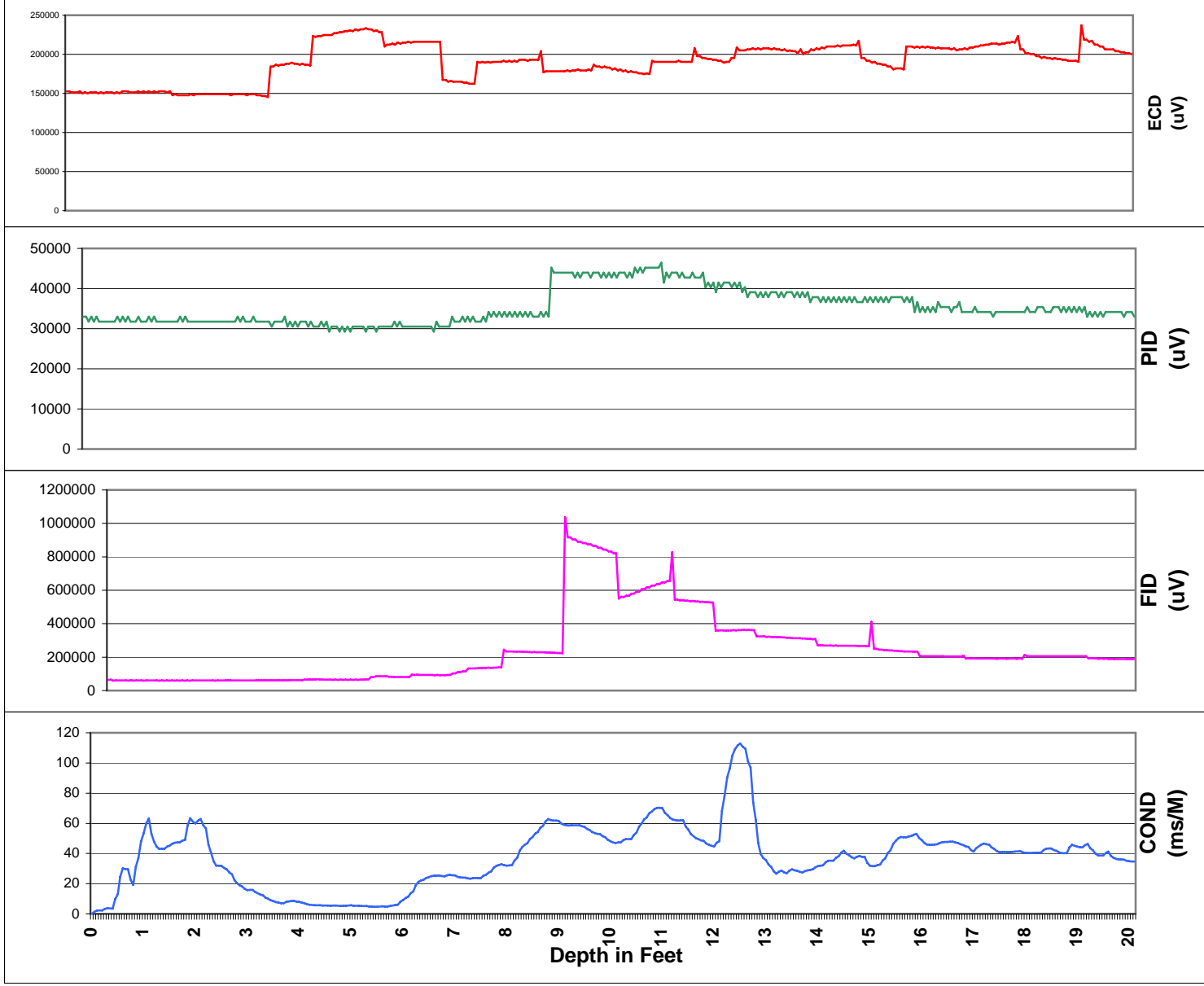


for: GeoMatrix - Poughkeepsie
 by: Zebra Environmental
 30 No. Prospect Avenue
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 (516) 596-6300

Date: 6/29/2005
 Proj. Name: Avis Facility
 Proj. #: DS8873
 Operators: Chris
 Point 8 of 9



ZEBRA EC/MIP Summary Log, Point MIP- 14
AVIS

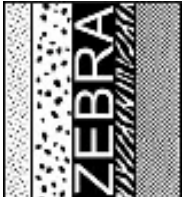
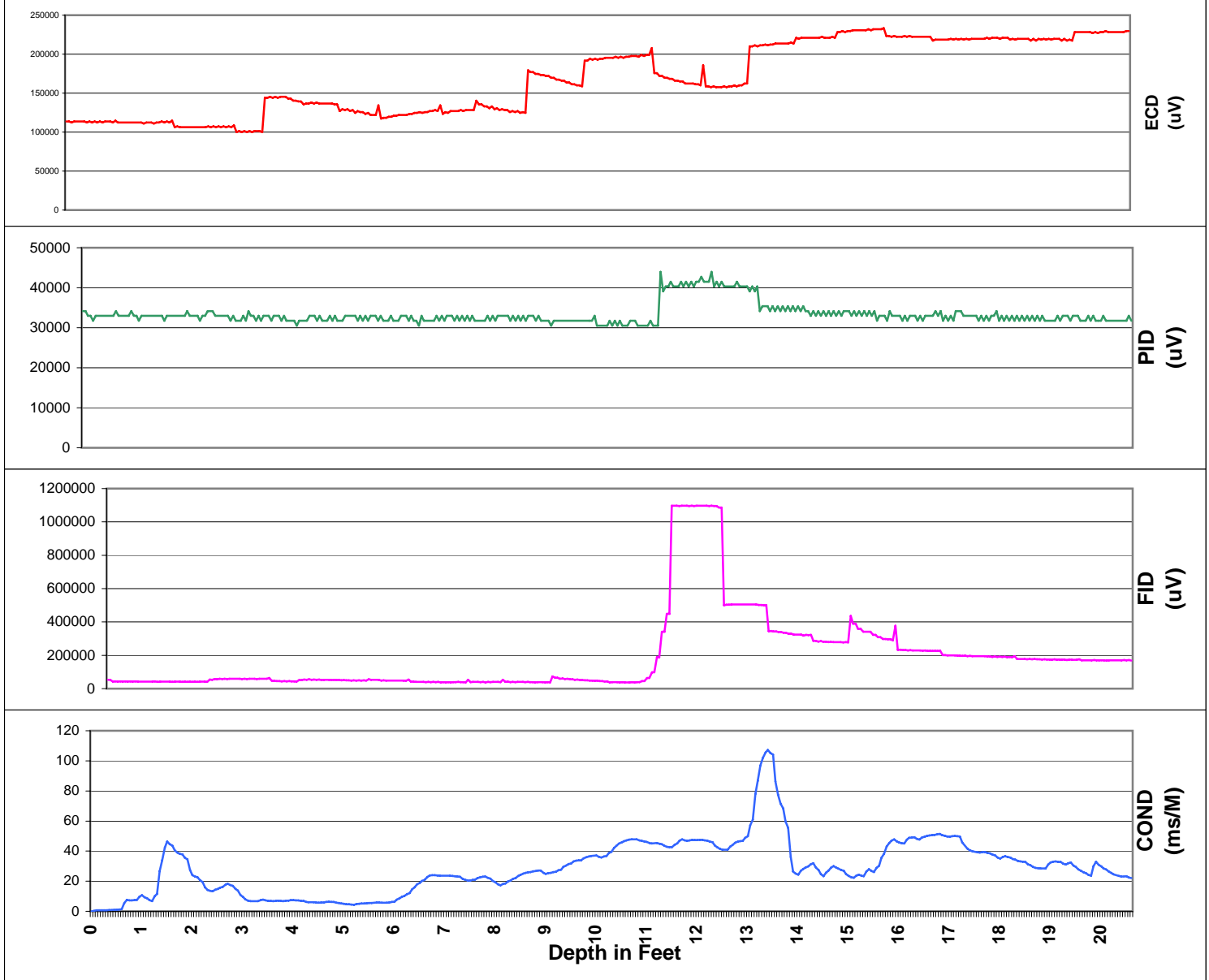


Date: 6/29/2005
 Proj. Name: Avis Facility
 Proj. #: DS8873
 Operators: Chris
 Point 9 of 9

for: GeoMatrix - Poughkeepsie
 by: Zebra Environmental
 30 No. Prospect Avenue
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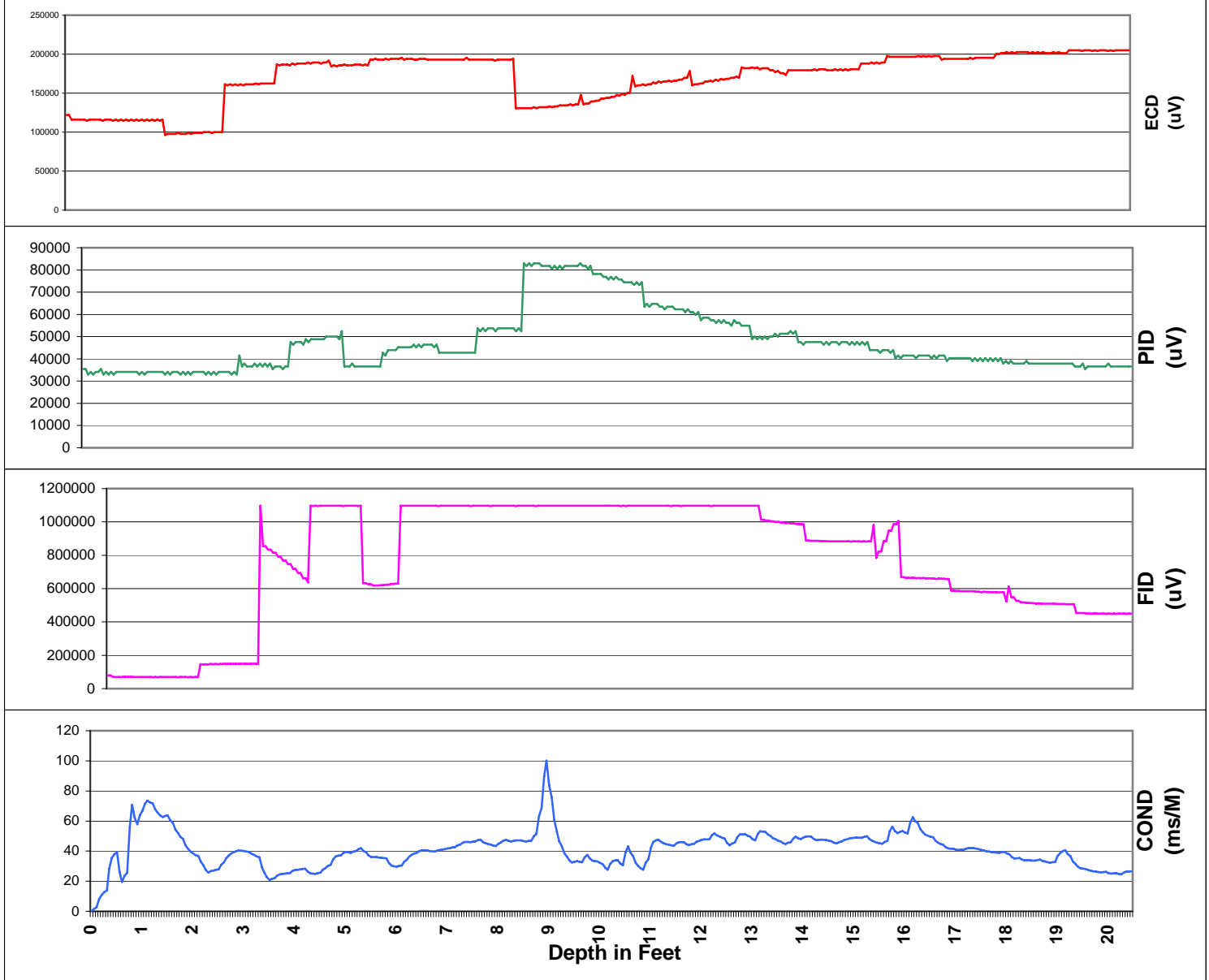
**ZEBRA EC/MIP Summary Log, Point MIP-15
AVIS**



for: GeoMatrix - Poughkeepsie
by: Zebra Environmental
30 No. Prospect Avenue
Lynbrook, NY 11563
(516) 596-6300

Date: 6/29/2005
Proj. Name: Avis Facility
Proj. #: DS8873
Operators: Chris
Point 1 of 8

**ZEBRA EC/MIP Summary Log, Point MIP-16
AVIS**

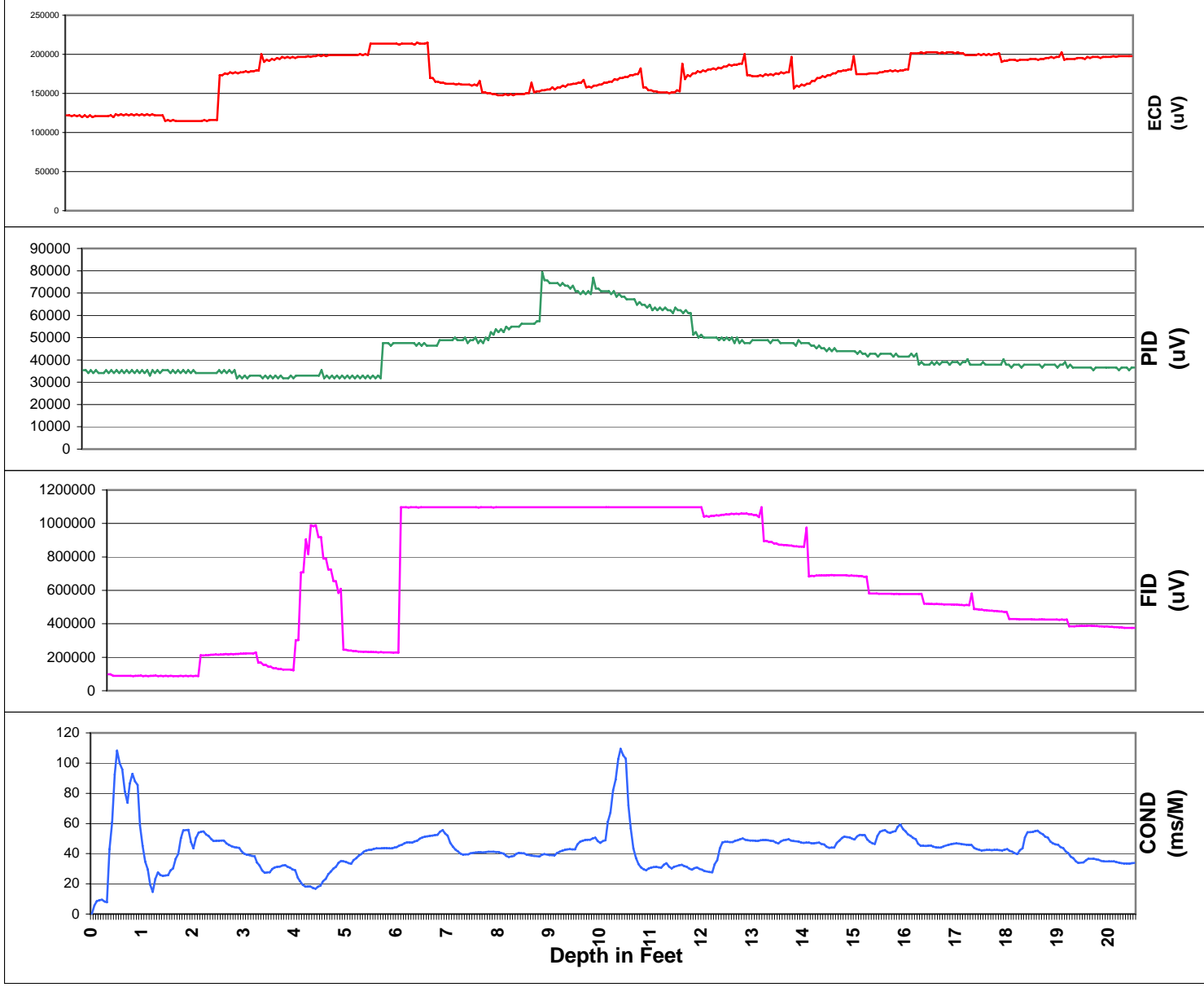


Date: 6/29/2005
 Proj. Name: Avis Facility
 Proj. #: DS8873
 Operators: Chris
 Point 2 of 8

for: GeoMatrix - Poughkeepsie
 by: Zebra Environmental
 30 No. Prospect Avenue
 Lynbrook, NY 11563
 (516) 596-6300

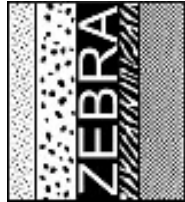


ZEBRA EC/MIP Summary Log, Point MIP- 17
AVIS

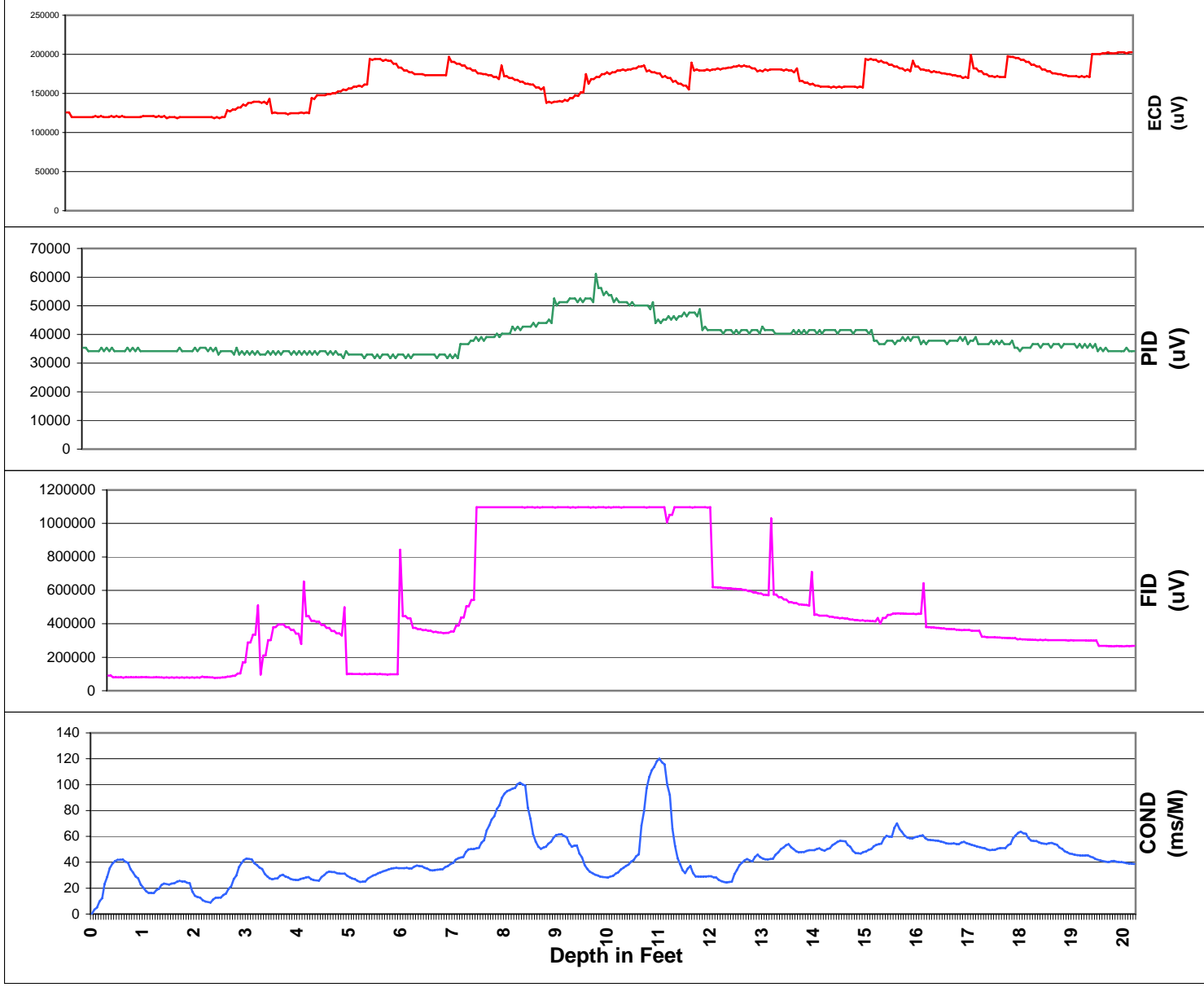


Date: 6/29/2005
 Proj. Name: Avis Facility
 Proj. #: DS8873
 Operators: Chris
 Point 3 of 8

for: GeoMatrix - Poughkeepsie
 by: Zebra Environmental
 30 No. Prospect Avenue
 Lynbrook, NY 11563
 (516) 596-6300



ZEBRA EC/MIP Summary Log, Point MIP- 18
AVIS

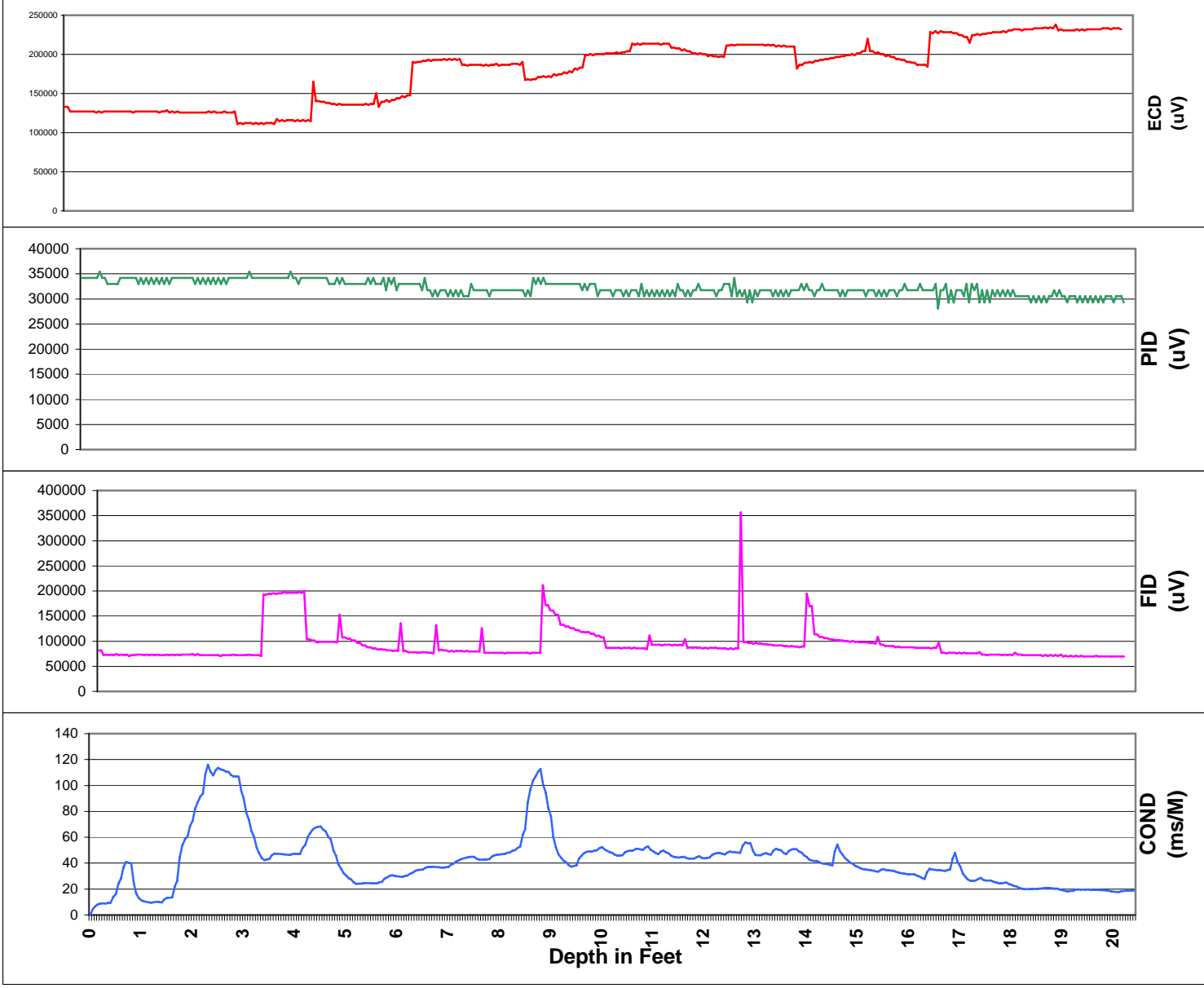


for: GeoMatrix - Poughkeepsie
by: Zebra Environmental
30 No. Prospect Avenue
Lynbrook, NY 11563
(516) 596-6300

Date: 6/29/2005
Proj. Name: Avis Facility
Proj. #: DS8873
Operators: Chris
Point 4 of 8



ZEBRA EC/MIP Summary Log, Point MIP- 19
AVIS

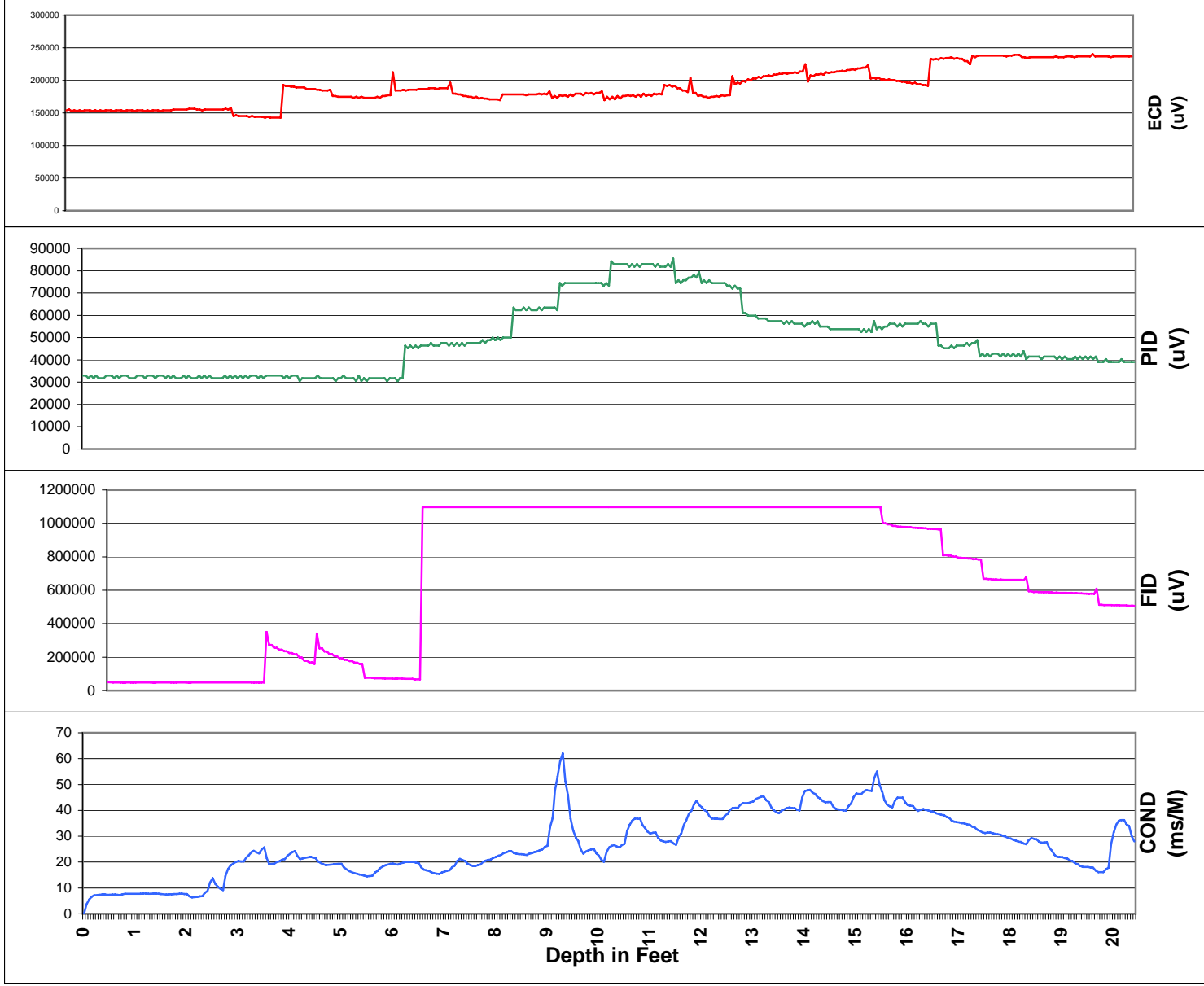


Date: 6/29/2005
 Proj. Name: Avis Facility
 Proj. #: DS8873
 Operators: Chris
 Point 5 of 8

for: GeoMatrix - Poughkeepsie
 by: Zebra Environmental
 30 No. Prospect Avenue
 Lynbrook, NY 11563
 (516) 596-6300



ZEBRA EC/MIP Summary Log, Point MIP- 20
AVIS

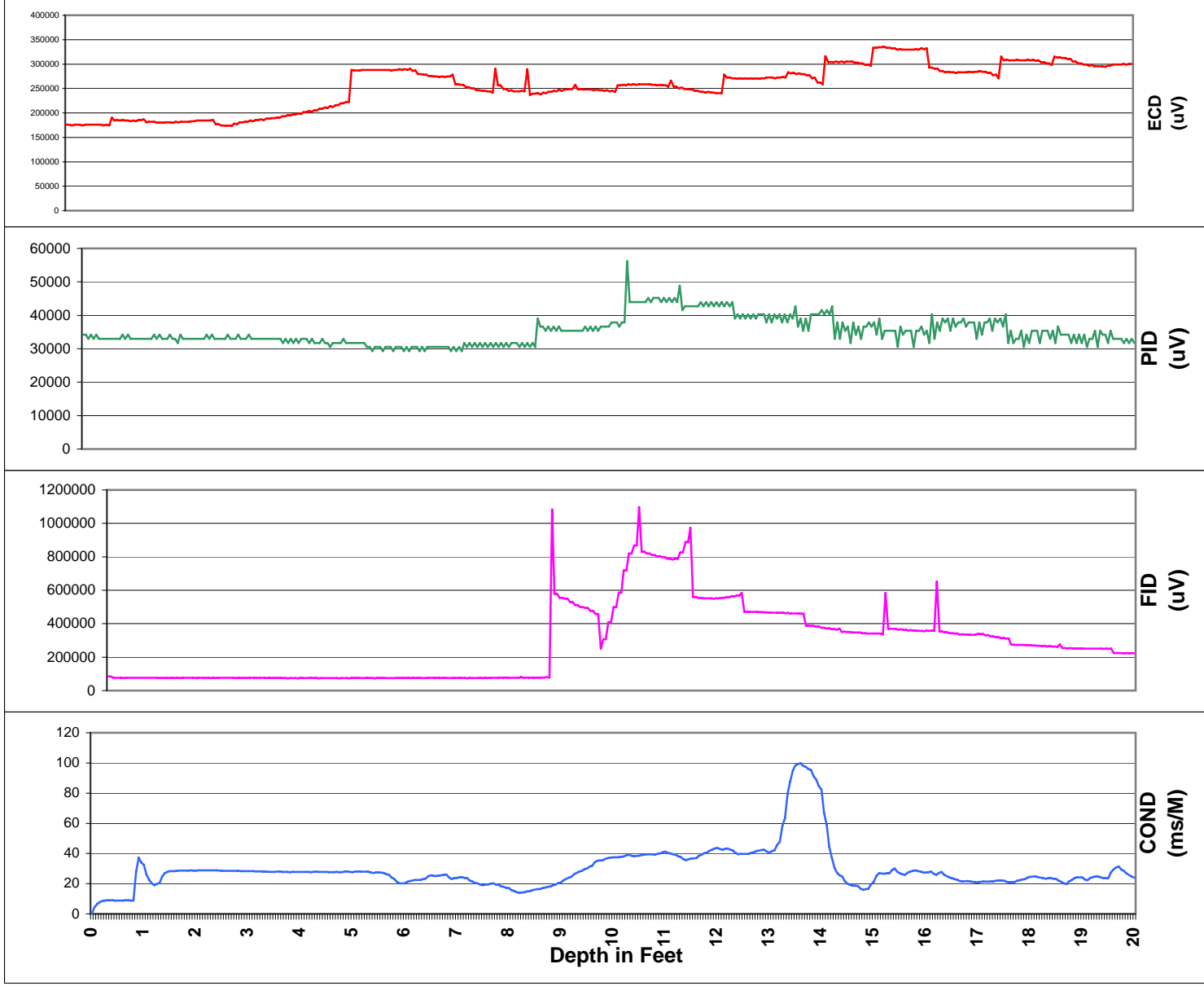


Date: 6/29/2005
 Proj. Name: Avis Facility
 Proj. #: DS8873
 Operators: Chris
 Point 6 of 8

for: GeoMatrix - Poughkeepsie
 by: Zebra Environmental
 30 No. Prospect Avenue
 Lynbrook, NY 11563
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ZEBRA EC/MIP Summary Log, Point MIP- 21
AVIS

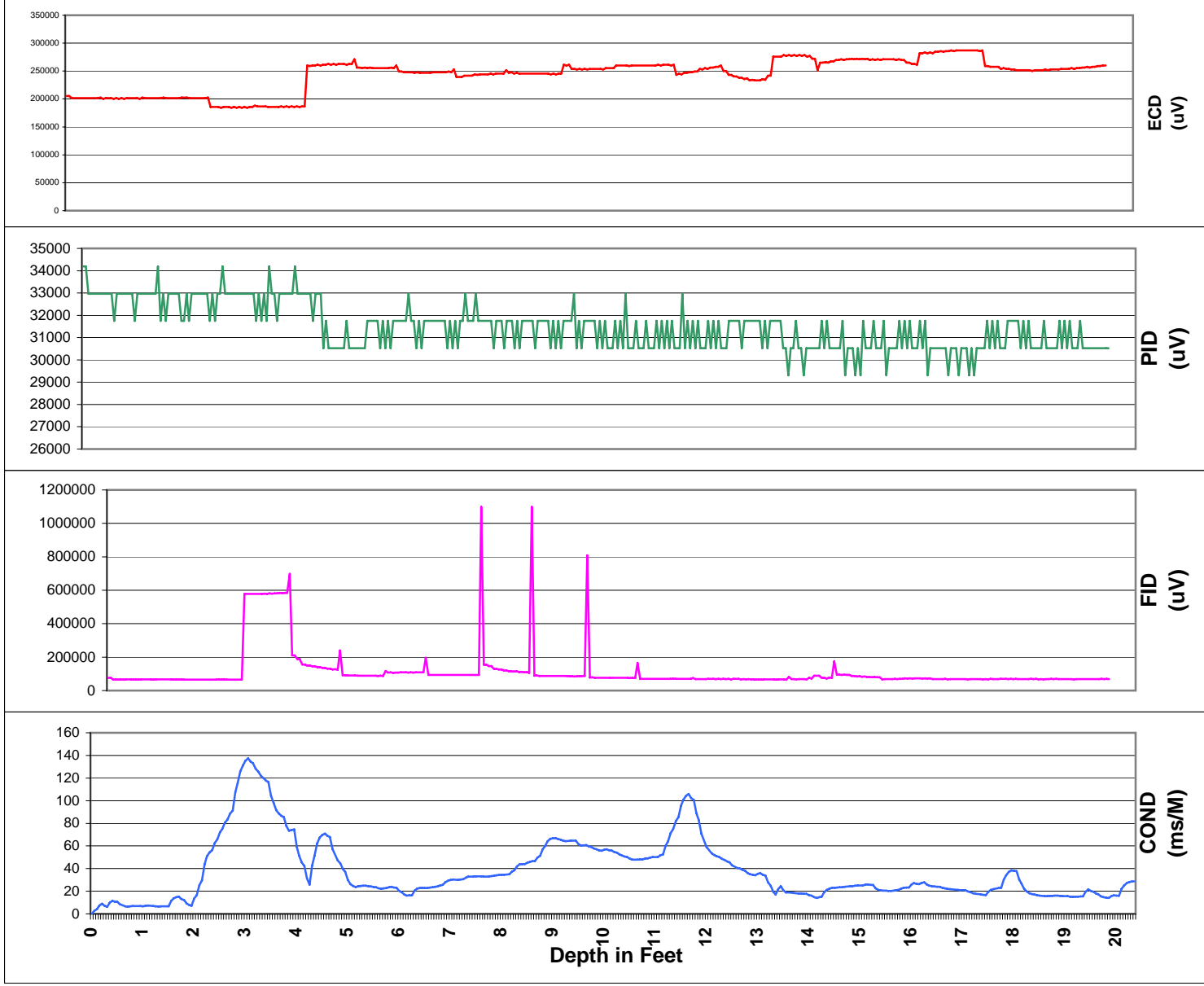


for: GeoMatrix - Poughkeepsie
by: Zebra Environmental
30 No. Prospect Avenue
Lynbrook, NY 11563
(516) 596-6300

Date: 6/29/2005
Proj. Name: Avis Facility
Proj. #: DS8873
Operators: Chris
Point 7 of 8



ZEBRA EC/MIP Summary Log, Point MIP- 22
AVIS



Date: 6/29/2005
 Proj. Name: Avis Facility
 Proj. #: DS8873
 Operators: Chris
 Point 8 of 8

for: GeoMatrix - Poughkeepsie
 by: Zebra Environmental
 30 No. Prospect Avenue
 Lynbrook, NY 11563
 (516) 596-6300



APPENDIX E

Dutchess County Work Permit

COUNTY OF DUTCHESS - DEPARTMENT OF PUBLIC WORKS
HIGHWAY WORK PERMIT - SECTION 136 HIGHWAY LAW

Permittee: Cendant Car Rental Group c/o Phil Engle
6 Sylvan Way
Parsippany, NJ 07054
Tel: 973-496-6942

PERMIT NO.: P 06-163
Expiration Date: 7-10-07
County Route No.: 48

Description of Permitted Work: Perform soil borings in CR 48 R.O.W. in the vicinity of Barnegat Road/ CR 48 intersection for chemical analysis and restore area per DC DPW specs

Type of Permit: OTHER

Permit Fee: \$100.00
Security Deposit: \$1,500.00
Additional Security: \$0.00
Special Rental Fee: \$0.00
Sign Fee \$0.00

Tax Parcel Number:

Work Location:

Insurance Required: Yes

Policy #

Approved Plan:

Plan Dated:

(I, We), the undersigned, acknowledge that:

I, the permittee described above, am (an, the) owner of the property listed herein and I have read and understand the terms, conditions, and limitations of this permit, including any special conditions on the reverse side of this permit.

Mr. Philip W. Engle, Jr. am a duly authorized agent for the permittee described above, who is (an, the) owner of the property listed herein and I have read and understand the terms, conditions, and limitations of this permit, including any special conditions on the reverse side of this permit. Attach authorization letter to this permit.

[Signature] Permittee or Agent's Signature 06 Jul 06 Date

(I, We), the undersigned, accept the terms and conditions of the "Dutchess County Policy and Standards for Access and Utility Work on County Highways," (Highway Work Permit Policy Manual) and all additional conditions and limitations of this permit established by Dutchess County DPW, and will perform all work to the satisfaction of the County of Dutchess Commissioner of Public Works or his designee. All authorized work including restoration shall be completed before the permit expiration date. If work cannot be completed by the expiration date specified herein, applicant may apply for renewal of the permit. Dutchess County Department of Public Works reserves the right to grant or deny any permit renewal request. The permitted work shall be available for inspection during DCDPW normal business hours. The work shall be made available for inspection at any time with twenty-four (24) hour notice.

[Signature] Permittee or Agent's Signature 06 Jul 06 Date

Permit location and/or plans reviewed by: [Signature]

Permit fee received by: [Signature]

Permit security deposit received by: [Signature]

Permit approved by: Stephen E. Sill Date: 7-10-06
Title: TRAFFIC ENGINEER

READ REVERSE SIDE FOR PERMIT CONDITIONS AND RESTRICTIONS

P 06-163

General Conditions and Limitations of Highway Work Permits

1. No permit work can take place within the County right of way between November 15 and March 15.
2. All workers within the County right of way are required to wear safety equipment and shall, at a minimum, wear hard hats and ANSI Class II or III safety vests. Flaggers must wear ANSI Class II or III orange vests.
3. Work authorized by this permit shall begin within thirty (30) days of the date of issue of the permit and shall continue in a timely manner.
4. Forty-eight (48) hour notice must be provided prior to the start of work authorized by the permit. Forty-eight (48) hour notice must be given prior to installation of asphalt pavement in order to conduct a subbase and grading inspection. Failure to provide said notices may result in core sampling of the driveway at the expense of the permittee.
5. All work and materials used within the County right of way shall meet DCDPW's current specifications and NYS DOT's 'Standard Specifications for Construction and Materials.'
6. Regulations of Code Rule 53 (Part 753) apply to this work. It is the excavator's responsibility to call 'Dig Safely New York' at 1 (800) 962-7962 prior to excavation or demolition work.
7. The cost of the permit work and traffic control shall be borne by the permittee. Any damage to the County highway or County facilities shall be repaired or replaced to the satisfaction of DCDPW. Costs for such repair or replacement shall be borne entirely by the permittee.
8. The permit and/or security deposit cannot be transferred or assigned to another person, firm, corporation, or municipality under any circumstance.
9. The permit poster shall be located such that it remains clearly visible from the County highway as close to the work as possible. The poster shall remain in readable condition throughout the duration of the work, the poster shall be returned to DCDPW. Failure to return the permit poster may result in forfeiture of a portion of the security deposit.
10. DCDPW reserves the right to halt the work, revoke or cancel a permit at any time should the permittee fail to comply with the terms, conditions, and restrictions of the permit. If a permit is revoked, no lawful access to the County right of way is granted.
11. The permittee agrees to defend and indemnify the County of Dutchess for negligence arising out of any claim for damages or injuries to others, that the work and construction was defective, improperly protected or completed, and to pay any judgment recovered of said claim. The County shall have the right to select legal counsel to represent it for the defense of any claim, suit, or action arising directly or indirectly from the work authorized by the permit; all fees and disbursements for the same shall be paid by the permittee.
12. The permittee certifies that all persons employed to perform the work are covered by Worker's Compensation Insurance as required by New York State law.
13. The work shall be available for inspection during DCDPW normal business hours. The work shall be made available for inspection at any time with twenty-four (24) hour notice.
14. The parcel must be improved such that required sight distances can be verified. The applicant's engineer may be required to submit 'Sight Distance Certification' form.
15. The permittee agrees to pay any cost for testing or inspection of the permitted work as required by DCDPW. Payment for such testing or inspections shall be made within thirty (30) days of billing.
16. The permit fee includes up to three inspections of the work; initial site visit, pre-paving inspection, and final inspection. If additional site inspections are required by DCDPW, a fee of \$75.00 per inspection may be assessed and charged against the permittee's security deposit at the discretion of DCDPW. Inspection fees shall be deducted from the security deposit prior to permit close-out and return of securities.
17. If the permittee fails to comply with the terms of or complete the work authorized by the permit, DCDPW may order the applicant (or its contractor) to stop work until corrections have been made. If corrective actions are not made as ordered by DCDPW, the County may perform the corrections and use the applicant's security deposit to pay for the necessary work.
18. Traffic on the County highway shall be protected and maintained in accordance with standard industry practice and in strict compliance with Title 17NYCRR Part 200 (NYS Manual of Traffic Control Devices).
19. Equipment and materials are not to be stored overnight within the County right of way.
20. Open trenches must be backfilled to the adjacent grade at the end of each workday. Road plates are not permitted unless specifically approved by DCDPW.
21. The County highway must be kept free from debris, including tools, equipment, earth, storm water, vehicles, and construction materials at all times when work is not actively being performed. The highway must be kept clean and passable to traffic at all times.
22. DCDPW reserves the right to restrict hours that work can take place within the County right of way due to traffic, weather, safety or other conditions.
23. If County forces clean or repair the right of way due to problems with the permitted work, the permittee will be billed for the County's workers and equipment. The permit security deposit will be charged for any outstanding billing prior to being returned.
24. Upon acceptance of the permitted work, responsibility of permanent maintenance of all aspects of the entrance to the County highway shall be borne by the property owner. This includes maintenance of the driveway surface, drainage pipe, warning signs, guide rail, and sight line cleared areas. When ownership of property changes, the responsibility of maintenance shall transfer to the new property owner(s).

Special Conditions:

Sight distances:

SLSD-R =

SLSD-L =

SSD =

TSD =

Driveway Pipe:

Diameter =

Length =

Miscellaneous:

SPECIAL CONDITIONS RELATIVE TO THIS PERMIT ONLY:

- A. ROADWAY SHALL BE KEPT FREE OF MUD, DEBRIS AND DIRT AT ALL TIMES BY PERMITTEE.
- B. Disturbed areas shall be stabilized, seeded, fertilized and mulched to establish turf.
- C. Swales, ditches, guide rails, etc. shall be generally restored to original conditions or better per DCDPW specs if they are disturbed.
- D. It is the Permittee's responsibility to immediately clean up any mud or debris tracked onto the roadway during and after construction.
- E. The Permittee/Contractor shall provide adequate protection for all vehicular and pedestrian traffic by means of signs, cones, flagmen and necessary equipment and personnel to safely maintain traffic on the roadway.
- F. Where necessary contractor shall reset guide rail.
- G. Any drainage problems caused by drilling process shall be corrected immediately by Permittee/Property Owner.
- H. Steel tracks vehicles/equipments ARE NOT ALLOWED on the road pavement.
- I. Repair of all paved shoulders shall be with 3" binder and 1 1/2" top course.

APPENDIX F

Off-site Oxygenate Source Investigation Soil Boring Logs

| | | | | | |
|----------------------|--|------------------------------------|-------|---------------------------|----------|
| PROJECT: | | Boring/Well Log Explanation | | | |
| BORING LOCATION: | | ELEVATION AND DATUM: | | | |
| DRILLING CONTRACTOR: | | DATE STARTED: | | DATE FINISHED: | |
| DRILLING METHOD: | | TOTAL DEPTH (ft.): | | MEASURING POINT: | |
| DRILLING EQUIPMENT: | | DEPTH TO WATER | FIRST | COMPL. | 24 HRS. |
| SAMPLING METHOD: | | LOGGED BY: | | | |
| HAMMER WEIGHT: | | DROP: | | RESPONSIBLE PROFESSIONAL: | REG. NO. |

| DEPTH (feet) | SAMPLES | | | OVM READING (ppm) | DESCRIPTION | REMARKS |
|--------------|------------|--------|-------------|-------------------|---|---------|
| | Sample No. | Sample | Blows/ Foot | | NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | |
| | | | | | Surface Elevation: | |
| 1 | | | | | <p>Notes:</p> <ol style="list-style-type: none"> Soil described using visual-manual procedures of American Society of Testing and Materials (ASTM) Standard D 2488 for guidance; a Standard based on the Unified Soil Classification System. Soil color described according to Munsell Color Chart. <hr/> <ol style="list-style-type: none"> Dashed lines separating soil strata represent inferred boundaries between sampled intervals that may be abrupt or gradual transitions. <hr/> <ol style="list-style-type: none"> Solid lines represent approximate boundaries observed within sample intervals. OVM = organic vapor meter, reading in volumetric parts per million (ppm). Odor, if noted is subjective and not necessarily indicative of specific compounds or concentrations. NA = not applicable. ND = no data. <p>Interval of recovered soil collected with a continuous core sampler.</p> <p>Interval of recovered soil collected with split-spoon drive sampler.</p> <p>Interval of no recovery.</p> <p>Sample collected for chemical analysis and sample identification.</p> | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | SB-1-14.0 | | | | | |
| 15 | | | | | | |



| | | | |
|---|----------|---|------------------------------------|
| PROJECT: FORMER DRIVE & PARK, INC. SITE Poughkeepsie, New York | | Log of Boring No. GP-9 | |
| BORING LOCATION: 40' S of pole # 714-1 | | ELEVATION AND DATUM: Not surveyed; datum is ground surface | |
| DRILLING CONTRACTOR: Zebra Environmental, Inc. | | DATE STARTED: 7/12/06 | DATE FINISHED: 7/12/06 |
| DRILLING METHOD: Direct push | | TOTAL DEPTH (ft.): 18.0 | MEASURING POINT: Ground surface |
| DRILLING EQUIPMENT: Geoprobe 5400 | | DEPTH TO WATER (ft.) | FIRST 10.0 |
| SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"] | | LOGGED BY: D. Averill | |
| HAMMER WEIGHT: NA | DROP: NA | RESPONSIBLE PROFESSIONAL: | REG. NO. |

| DEPTH (feet) | SAMPLES | | | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | REMARKS |
|-----------------|---------------|--------|----------------|-------------------------|---|--|
| | Sample No. | Sample | Blows/ Foot | | | |
| | | | | | Surface Elevation: Not surveyed | |
| 1 | | | | | ASPHALTIC CONCRETE | Borehole advanced with hand auger from 1 to 6 feet bgs to clear for utilities. |
| | | | | | AGGREGATE BASE | |
| 2 | | | | | SANDY SILT with GRAVEL (SM): brown (No 10YR 4/5, choose 5/3 or 4/3 brown?), moist, 70% fine to coarse sand, 15% nonplastic fines, 15% fine gravel | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | SILT (ML): yellowish brown (10YR 5/4), moist, 90% fines, 10% fine sand, nonplastic, soft, rapid dilatancy | |
| 10 | | | | | ↓ wet | |
| 11 | | | | | LEAN CLAY (CL): gray (10YR 5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm, no dilatancy, laminated with SILT (ML), gray (10YR 5/1), moist, 90% fines, 10% fine sand, nonplastic, soft, slow dilatancy | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |



PROJECT: FORMER DRIVE & PARK, INC. SITE
Poughkeepsie, New York

Log of Boring No. GP-9 (cont'd)

| DEPTH (feet) | SAMPLES | | | | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | REMARKS |
|-----------------|---------------|--------|----------------|--|-------------------------|--|--|
| | Sample No. | Sample | Blows/ Foot | | | | |
| 16 | | | | | | LEAN CLAY (CL): cont'd | |
| 17 | | X | | | | | |
| 18 | | X | | | | Bottom of boring at 18.0 feet | Borehole destroyed with cement-bentonite grout placed from total depth to ground surface with a tremie pipe. |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | | | | | | | |
| 24 | | | | | | | |
| 25 | | | | | | | |
| 26 | | | | | | | |
| 27 | | | | | | | |
| 28 | | | | | | | |
| 29 | | | | | | | |
| 30 | | | | | | | |
| 31 | | | | | | | |
| 32 | | | | | | | |
| 33 | | | | | | | |



| | | | |
|---|----------|---|------------------------------------|
| PROJECT: FORMER DRIVE & PARK, INC. SITE Poughkeepsie, New York | | Log of Boring No. GP-12 | |
| BORING LOCATION: At stop line, 6' S of curb | | ELEVATION AND DATUM: Not surveyed; datum is ground surface | |
| DRILLING CONTRACTOR: Zebra Environmental, Inc. | | DATE STARTED: 7/17/06 | DATE FINISHED: 7/17/06 |
| DRILLING METHOD: Direct push | | TOTAL DEPTH (ft.): 18.0 | MEASURING POINT: Ground surface |
| DRILLING EQUIPMENT: Geoprobe 5400 | | DEPTH TO WATER (ft.): 6.6 | FIRST COMPL. NA |
| SAMPLING METHOD: Geoprobe macro-core sampler [4' x 1.5"] | | LOGGED BY: D. Averill | |
| HAMMER WEIGHT: NA | DROP: NA | RESPONSIBLE PROFESSIONAL: | REG. NO. |

| DEPTH (feet) | SAMPLES | | | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | REMARKS |
|-----------------|---------------|--------|----------------|-------------------------|--|--|
| | Sample No. | Sample | Blows/ Foot | | | |
| | | | | | Surface Elevation: Not surveyed | |
| 1 | | | | | ASPHALTIC CONCRETE: (8-inches thick) | OVM = MiniRAE 2000 PID calibrated with 100 ppm isobutylene standard. |
| | | | | | AGGREGATE BASE | |
| 2 | | | | | SILTY SAND with GRAVEL (SM): brown (10YR 5/3), moist, 60% fine to coarse sand, 25% fine to coarse gravel, 15% nonplastic fines | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | 4.9 | | Borehole advanced with hand auger from 1 to 6 feet bgs to clear for utilities. |
| 7 | | | | 3.3 | SILTY SAND (SM): brownish yellow (10YR 6/6), wet, 80% fine to medium sand, 20% nonplastic fines | |
| 8 | | | | | ↓ dark gray (10YR 4/1) | |
| 9 | | | | | | |
| 10 | | | | 8 | | |
| 11 | | | | | PEAT (PT) | |
| 12 | | | | | SILTY GRAVEL (GM): grayish brown (10YR 5/2), wet, 70% fine gravel, 30% nonplastic fines | |
| 13 | | | | 4.7 | POORLY GRADED GRAVEL with SAND (GP): dark gray (10Y 4/1), wet, 50% fine to coarse gravel, 45% fine to coarse sand, 5% fines | |
| 14 | | | | 5.4 | | |
| 15 | | | | 5.4 | LEAN CLAY (CL): see next page for description | |

| DEPTH (feet) | SAMPLES | | | OVM READING (ppm) | DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. | REMARKS |
|-----------------|---------------|--------|----------------|-------------------------|---|--|
| | Sample No. | Sample | Blows/ Foot | | | |
| 16 | | | | 4.6 | LEAN CLAY (CL): gray (10YR 5/1), moist, 90% fines, 10% fine sand, medium plasticity, firm, no dilatancy, stratified (1/2- to 2-inch thickness) with SILT (ML), gray (10YR 5/1), moist, 90% fines, 10% fine sand, nonplastic, soft, slow dilatancy | |
| 17 | | | | | | |
| 18 | | | | | Bottom of boring at 18.0 feet | Borehole destroyed with cement-bentonite grout placed from total depth to ground surface with a tremie pipe. |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |
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| 27 | | | | | | |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | | | | | | |
| 31 | | | | | | |
| 32 | | | | | | |
| 33 | | | | | | |

APPENDIX G

Analytical Laboratory Reports for Off-site Oxygenate Source Investigation

ESS Laboratory

Division of Thielsch Engineering, Inc.

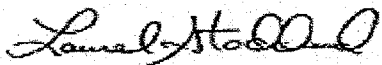
CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

David S. Averill
Geomatrix Consultants, Inc.
P.O. Box 7
Atkinson, NH 03811

RE: Former Drive & Park
ESS Laboratory Work Order Number: 0607249

This signed Certificate of Analysis is our approved release of your analytical results. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.



Laurel Stoddard
Laboratory Director

Date: August 01, 2006

Sample Receipt

13 Aqueous samples and 1 Trip Blank were received on July 19, 2006 for the analyses specified on the enclosed Chain of Custody Record.

Analytical Summary

The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

No unusual observations noted.

End of Project Narrative.

mdp

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-9-10.5-14
Date Sampled: 07/12/06 12:00
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607249
ESS Laboratory Sample ID: 0607249-01
Sample Matrix: Aqueous
Analyst: MD

8021B by 8260B Volatile Organic Compounds

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|--------------------------------|----------------|--------------|------------|-----------|-----------------|
| Benzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Methyl tert-Butyl Ether | 3.3 | ug/L | 1.0 | 1 | 07/20/06 |
| Toluene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene O | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene P,M | ND | ug/L | 2.0 | 1 | 07/20/06 |
| Xylenes (Total) | ND | ug/L | 3.0 | | 07/20/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 93 % | | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 97 % | | 70-130 |
| Surrogate: Dibromofluoromethane | 95 % | | 70-130 |
| Surrogate: Toluene-d8 | 94 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-10-10.5-14
Date Sampled: 07/12/06 13:00
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607249
ESS Laboratory Sample ID: 0607249-02
Sample Matrix: Aqueous
Analyst: MD

8021B by 8260B Volatile Organic Compounds

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|--------------------------------|----------------|--------------|------------|-----------|-----------------|
| Benzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Methyl tert-Butyl Ether | 1.8 | ug/L | 1.0 | 1 | 07/20/06 |
| Toluene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene O | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene P,M | ND | ug/L | 2.0 | 1 | 07/20/06 |
| Xylenes (Total) | ND | ug/L | 3.0 | | 07/20/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 93 % | | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 96 % | | 70-130 |
| Surrogate: Dibromofluoromethane | 96 % | | 70-130 |
| Surrogate: Toluene-d8 | 92 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-10-15-18
Date Sampled: 07/12/06 15:00
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607249
ESS Laboratory Sample ID: 0607249-03
Sample Matrix: Aqueous
Analyst: MD

8021B by 8260B Volatile Organic Compounds

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|-------------------------|----------------|--------------|------------|-----------|-----------------|
| Benzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Methyl tert-Butyl Ether | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Toluene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene O | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene P,M | ND | ug/L | 2.0 | 1 | 07/20/06 |
| Xylenes (Total) | ND | ug/L | 3.0 | | 07/20/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 96 % | | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 96 % | | 70-130 |
| Surrogate: Dibromofluoromethane | 96 % | | 70-130 |
| Surrogate: Toluene-d8 | 93 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-11-11-14
Date Sampled: 07/12/06 16:30
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607249
ESS Laboratory Sample ID: 0607249-04
Sample Matrix: Aqueous
Analyst: MD

8021B by 8260B Volatile Organic Compounds

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|-------------------------|----------------|--------------|------------|-----------|-----------------|
| Benzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Methyl tert-Butyl Ether | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Toluene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene O | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene P,M | ND | ug/L | 2.0 | 1 | 07/20/06 |
| Xylenes (Total) | ND | ug/L | 3.0 | | 07/20/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 98 % | | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 95 % | | 70-130 |
| Surrogate: Dibromofluoromethane | 97 % | | 70-130 |
| Surrogate: Toluene-d8 | 91 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-12-7.5-11
Date Sampled: 07/17/06 10:20
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607249
ESS Laboratory Sample ID: 0607249-05
Sample Matrix: Aqueous
Analyst: MD

8021B by 8260B Volatile Organic Compounds

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|--------------------------------|----------------|--------------|------------|-----------|-----------------|
| Benzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Methyl tert-Butyl Ether | 21.1 | ug/L | 1.0 | 1 | 07/20/06 |
| Toluene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene O | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene P,M | ND | ug/L | 2.0 | 1 | 07/20/06 |
| Xylenes (Total) | ND | ug/L | 3.0 | | 07/20/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 97 % | | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 95 % | | 70-130 |
| Surrogate: Dibromofluoromethane | 96 % | | 70-130 |
| Surrogate: Toluene-d8 | 93 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-12-11-14
Date Sampled: 07/17/06 10:50
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607249
ESS Laboratory Sample ID: 0607249-06
Sample Matrix: Aqueous
Analyst: MD

8021B by 8260B Volatile Organic Compounds

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|--------------------------------|----------------|--------------|------------|-----------|-----------------|
| Benzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Methyl tert-Butyl Ether | 28.9 | ug/L | 1.0 | 1 | 07/20/06 |
| Toluene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene O | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene P,M | ND | ug/L | 2.0 | 1 | 07/20/06 |
| Xylenes (Total) | ND | ug/L | 3.0 | | 07/20/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 95 % | | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 95 % | | 70-130 |
| Surrogate: Dibromofluoromethane | 96 % | | 70-130 |
| Surrogate: Toluene-d8 | 93 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-12-14.5-18
Date Sampled: 07/17/06 11:15
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607249
ESS Laboratory Sample ID: 0607249-07
Sample Matrix: Aqueous
Analyst: MD

8021B by 8260B Volatile Organic Compounds

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|--------------------------------|----------------|--------------|------------|-----------|-----------------|
| Benzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Methyl tert-Butyl Ether | 48.6 | ug/L | 1.0 | 1 | 07/20/06 |
| Toluene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene O | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene P,M | ND | ug/L | 2.0 | 1 | 07/20/06 |
| Xylenes (Total) | ND | ug/L | 3.0 | | 07/20/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 95 % | | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 95 % | | 70-130 |
| Surrogate: Dibromofluoromethane | 97 % | | 70-130 |
| Surrogate: Toluene-d8 | 93 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-13-7-10.5
Date Sampled: 07/17/06 11:45
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607249
ESS Laboratory Sample ID: 0607249-08
Sample Matrix: Aqueous
Analyst: MD

8021B by 8260B Volatile Organic Compounds

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|--------------------------------|----------------|--------------|------------|-----------|-----------------|
| Benzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Methyl tert-Butyl Ether | 39.7 | ug/L | 1.0 | 1 | 07/20/06 |
| Toluene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene O | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene P,M | ND | ug/L | 2.0 | 1 | 07/20/06 |
| Xylenes (Total) | ND | ug/L | 3.0 | | 07/20/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 96 % | | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 95 % | | 70-130 |
| Surrogate: Dibromofluoromethane | 96 % | | 70-130 |
| Surrogate: Toluene-d8 | 95 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-13-11-14
Date Sampled: 07/17/06 12:10
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607249
ESS Laboratory Sample ID: 0607249-09
Sample Matrix: Aqueous
Analyst: MD

8021B by 8260B Volatile Organic Compounds

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|--------------------------------|----------------|--------------|------------|-----------|-----------------|
| Benzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Methyl tert-Butyl Ether | 86.8 | ug/L | 1.0 | 1 | 07/20/06 |
| Toluene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene O | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene P,M | ND | ug/L | 2.0 | 1 | 07/20/06 |
| Xylenes (Total) | ND | ug/L | 3.0 | | 07/20/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 96 % | | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 95 % | | 70-130 |
| Surrogate: Dibromofluoromethane | 97 % | | 70-130 |
| Surrogate: Toluene-d8 | 92 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-13-15-18
Date Sampled: 07/17/06 12:30
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607249
ESS Laboratory Sample ID: 0607249-10
Sample Matrix: Aqueous
Analyst: MD

8021B by 8260B Volatile Organic Compounds

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|--------------------------------|----------------|--------------|------------|-----------|-----------------|
| Benzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Methyl tert-Butyl Ether | 16.2 | ug/L | 1.0 | 1 | 07/20/06 |
| Toluene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene O | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene P,M | ND | ug/L | 2.0 | 1 | 07/20/06 |
| Xylenes (Total) | ND | ug/L | 3.0 | | 07/20/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 96 % | | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 94 % | | 70-130 |
| Surrogate: Dibromofluoromethane | 98 % | | 70-130 |
| Surrogate: Toluene-d8 | 92 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-14-7-10.5
Date Sampled: 07/17/06 13:40
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607249
ESS Laboratory Sample ID: 0607249-11
Sample Matrix: Aqueous
Analyst: MD

8021B by 8260B Volatile Organic Compounds

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|--------------------------------|----------------|--------------|------------|-----------|-----------------|
| Benzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Methyl tert-Butyl Ether | 23.7 | ug/L | 1.0 | 1 | 07/20/06 |
| Toluene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene O | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene P,M | ND | ug/L | 2.0 | 1 | 07/20/06 |
| Xylenes (Total) | ND | ug/L | 3.0 | | 07/20/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 94 % | | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 94 % | | 70-130 |
| Surrogate: Dibromofluoromethane | 95 % | | 70-130 |
| Surrogate: Toluene-d8 | 93 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-14-11-14
Date Sampled: 07/17/06 14:00
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607249
ESS Laboratory Sample ID: 0607249-12
Sample Matrix: Aqueous
Analyst: MD

8021B by 8260B Volatile Organic Compounds

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|--------------------------------|----------------|--------------|------------|-----------|-----------------|
| Benzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Methyl tert-Butyl Ether | 32.5 | ug/L | 1.0 | 1 | 07/20/06 |
| Toluene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene O | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene P,M | ND | ug/L | 2.0 | 1 | 07/20/06 |
| Xylenes (Total) | ND | ug/L | 3.0 | | 07/20/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 96 % | | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 96 % | | 70-130 |
| Surrogate: Dibromofluoromethane | 96 % | | 70-130 |
| Surrogate: Toluene-d8 | 94 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-14-15-18
Date Sampled: 07/17/06 14:30
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607249
ESS Laboratory Sample ID: 0607249-13
Sample Matrix: Aqueous
Analyst: MD

8021B by 8260B Volatile Organic Compounds

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|-------------------------|----------------|--------------|------------|-----------|-----------------|
| Benzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Methyl tert-Butyl Ether | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Toluene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene O | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene P,M | ND | ug/L | 2.0 | 1 | 07/20/06 |
| Xylenes (Total) | ND | ug/L | 3.0 | | 07/20/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 97 % | | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 96 % | | 70-130 |
| Surrogate: Dibromofluoromethane | 99 % | | 70-130 |
| Surrogate: Toluene-d8 | 93 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: Trip Blank
Date Sampled: 07/12/06 00:00
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607249
ESS Laboratory Sample ID: 0607249-14
Sample Matrix: Aqueous
Analyst: MD

8021B by 8260B Volatile Organic Compounds

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|-------------------------|----------------|--------------|------------|-----------|-----------------|
| Benzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Methyl tert-Butyl Ether | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Toluene | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene O | ND | ug/L | 1.0 | 1 | 07/20/06 |
| Xylene P,M | ND | ug/L | 2.0 | 1 | 07/20/06 |
| Xylenes (Total) | ND | ug/L | 3.0 | | 07/20/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 95 % | | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 95 % | | 70-130 |
| Surrogate: Dibromofluoromethane | 96 % | | 70-130 |
| Surrogate: Toluene-d8 | 92 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.

Client Project ID: Former Drive & Park

ESS Laboratory Work Order: 0607249

Quality Control Data

| Analyte | Result | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|--|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|
| 8021B by 8260B Volatile Organic Compounds | | | | | | | | | | |
| Batch BG62008 - 5030B | | | | | | | | | | |
| Blank | | | | | | | | | | |
| Benzene | ND | 1.0 | ug/L | | | | | | | |
| Ethylbenzene | ND | 1.0 | ug/L | | | | | | | |
| Methyl tert-Butyl Ether | ND | 1.0 | ug/L | | | | | | | |
| Toluene | ND | 1.0 | ug/L | | | | | | | |
| Xylene O | ND | 1.0 | ug/L | | | | | | | |
| Xylene P,M | ND | 2.0 | ug/L | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 23.9 | | ug/L | 25.0 | | 96 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.1 | | ug/L | 25.0 | | 96 | 70-130 | | | |
| Surrogate: Dibromofluoromethane | 24.3 | | ug/L | 25.0 | | 97 | 70-130 | | | |
| Surrogate: Toluene-d8 | 23.0 | | ug/L | 25.0 | | 92 | 70-130 | | | |
| LCS | | | | | | | | | | |
| Benzene | 9.6 | | ug/L | 10.0 | | 96 | 70-130 | | | |
| Ethylbenzene | 9.9 | | ug/L | 10.0 | | 99 | 70-130 | | | |
| Methyl tert-Butyl Ether | 9.8 | | ug/L | 10.0 | | 98 | 70-130 | | | |
| Toluene | 10.1 | | ug/L | 10.0 | | 101 | 70-130 | | | |
| Xylene O | 9.7 | | ug/L | 10.0 | | 97 | 70-130 | | | |
| Xylene P,M | 19.6 | | ug/L | 20.0 | | 98 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 23.4 | | ug/L | 25.0 | | 94 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.0 | | ug/L | 25.0 | | 96 | 70-130 | | | |
| Surrogate: Dibromofluoromethane | 24.2 | | ug/L | 25.0 | | 97 | 70-130 | | | |
| Surrogate: Toluene-d8 | 24.0 | | ug/L | 25.0 | | 96 | 70-130 | | | |
| LCS Dup | | | | | | | | | | |
| Benzene | 9.7 | | ug/L | 10.0 | | 97 | 70-130 | 1 | 20 | |
| Ethylbenzene | 9.9 | | ug/L | 10.0 | | 99 | 70-130 | 0 | 20 | |
| Methyl tert-Butyl Ether | 9.7 | | ug/L | 10.0 | | 97 | 70-130 | 1 | 20 | |
| Toluene | 10.1 | | ug/L | 10.0 | | 101 | 70-130 | 0 | 20 | |
| Xylene O | 9.6 | | ug/L | 10.0 | | 96 | 70-130 | 1 | 20 | |
| Xylene P,M | 19.2 | | ug/L | 20.0 | | 96 | 70-130 | 2 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 24.0 | | ug/L | 25.0 | | 96 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.0 | | ug/L | 25.0 | | 96 | 70-130 | | | |
| Surrogate: Dibromofluoromethane | 24.3 | | ug/L | 25.0 | | 97 | 70-130 | | | |
| Surrogate: Toluene-d8 | 24.0 | | ug/L | 25.0 | | 96 | 70-130 | | | |
| Matrix Spike Source: 0607249-05 | | | | | | | | | | |
| Benzene | 10.9 | | ug/L | 10.0 | ND | 109 | 70-130 | | | |
| Ethylbenzene | 9.2 | | ug/L | 10.0 | 0.110 | 91 | 70-130 | | | |
| Methyl tert-Butyl Ether | 30.1 | | ug/L | 10.0 | 21.1 | 90 | 70-130 | | | |
| Toluene | 11.3 | | ug/L | 10.0 | 0.360 | 109 | 70-130 | | | |
| Xylene O | 9.0 | | ug/L | 10.0 | ND | 90 | 70-130 | | | |
| Xylene P,M | 18.1 | | ug/L | 20.0 | 0.180 | 90 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 23.4 | | ug/L | 25.0 | | 94 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.0 | | ug/L | 25.0 | | 92 | 70-130 | | | |
| Surrogate: Dibromofluoromethane | 24.6 | | ug/L | 25.0 | | 98 | 70-130 | | | |
| Surrogate: Toluene-d8 | 21.9 | | ug/L | 25.0 | | 88 | 70-130 | | | |
| Matrix Spike Dup Source: 0607249-05 | | | | | | | | | | |
| Benzene | 10.6 | | ug/L | 10.0 | ND | 106 | 70-130 | 3 | 20 | |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.

Client Project ID: Former Drive & Park

ESS Laboratory Work Order: 0607249

Quality Control Data

| Analyte | Result | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|--|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|
| 8021B by 8260B Volatile Organic Compounds | | | | | | | | | | |
| Batch BG62008 - 5030B | | | | | | | | | | |
| Ethylbenzene | 9.1 | | ug/L | 10.0 | 0.110 | 90 | 70-130 | 1 | 20 | |
| Methyl tert-Butyl Ether | 29.1 | | ug/L | 10.0 | 21.1 | 80 | 70-130 | 12 | 20 | |
| Toluene | 11.2 | | ug/L | 10.0 | 0.360 | 108 | 70-130 | 0.9 | 20 | |
| Xylene O | 8.7 | | ug/L | 10.0 | ND | 87 | 70-130 | 3 | 20 | |
| Xylene P,M | 17.5 | | ug/L | 20.0 | 0.180 | 87 | 70-130 | 3 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 22.6 | | ug/L | 25.0 | | 90 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 22.7 | | ug/L | 25.0 | | 91 | 70-130 | | | |
| Surrogate: Dibromofluoromethane | 24.0 | | ug/L | 25.0 | | 96 | 70-130 | | | |
| Surrogate: Toluene-d8 | 21.7 | | ug/L | 25.0 | | 87 | 70-130 | | | |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.

Client Project ID: Former Drive & Park

ESS Laboratory Work Order: 0607249

Notes and Definitions

- ND Analyte NOT DETECTED above the detection limit
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
MDL Method Detection Limit
MRL Method Reporting Limit
mg/kg Results reported as wet weight
TCLP Toxicity Characteristic Leachate Procedure
I/V Initial Volume
F/V Final Volume
§ Subcontracted analysis; see attached report
TIC A forward library search of the NBS Mass Spectral Library was performed on this sample using the McLafferty Probability Base Matching (PBM) Algorithm. An estimated concentration of non-TCL compounds tentatively identified is quantified by the internal standard method. The nearest internal standard free of interferences was used to quantify. A response factor of one was assumed. This search was inclusive of the ten largest peaks greater than ten percent of the nearest internal standard.
- 1 Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2 Range result excludes concentrations of target analytes eluting in that range.
3 Range result excludes the concentration of the C9-C10 aromatic range.
Avg Results reported as a mathematical average.
NR No Recovery
¶ The state of RI does not grant certification for this method for non-potables.



ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park

ESS Laboratory Work Order: 0607249

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP): 242405
Potable Water
Non Potable Water

New York (NELAP): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

Pennsylvania: 68-934, 68-1752



ESS Laboratory

Division of Thielsch Engineering, Inc.
 185 Frances Avenue, Cranston, RI 02910-2211
 Tel. (401) 461-7181 Fax (401) 461-4486
 www.esslaboratory.com

CHAIN OF CUSTODY

| | | |
|--|---|--------------------------------------|
| Turn Time <u>Standard</u> Other _____ If faster than 5 days, prior approval by laboratory is required # _____ | Reporting Limits _____ | ESS LAB PROJECT ID 0607249 |
| State where samples were collected from: MA RI CT NH NJ <u>NY</u> ME Other _____ | Electronic Deliverable <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Is this project for any of the following: MA-MCP Navy USACE Other _____ | Format: Excel <input type="checkbox"/> Access <input type="checkbox"/> <u>PDX</u> Other _____ | |

| Co. Name GEOMATRIX CONSULTANTS | | Project # 9328 | | Project Name (20 Char. or less) FORMER DRIVE + PARK | | Circle and/or Write Required Analysis | | | | | | | | | | | | | |
|--|---------|------------------------------|------|---|--------|--|-----------|---|--|--|--|--|--|--|--|--|--|-----|--|
| Contact Person DAVID AVERILL | | Address PO Box 7 | | | | Number of Containers Type of Containers 8060 VOA <input type="checkbox"/> 624 <input type="checkbox"/> 524.2 <input type="checkbox"/> 8015 <u>GRO</u> <input checked="" type="checkbox"/> MTX/BTEX <input type="checkbox"/> WIPES <input type="checkbox"/> 8100 TPH <input type="checkbox"/> 8015 DRKO <input type="checkbox"/> EPH w/o PAHs <input type="checkbox"/> EPH w/PAHs <input type="checkbox"/> 4 Diesel <input type="checkbox"/> 8082 Pesticides <input type="checkbox"/> 608 PCB <input type="checkbox"/> 8270 SVOA <input type="checkbox"/> 625 PAH <input type="checkbox"/> 8270 <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8 <input type="checkbox"/> PP13 <input type="checkbox"/> TAL23 <input type="checkbox"/> TCLP-RCRA8 <input type="checkbox"/> NCB7 <input type="checkbox"/> MCP-METALS (13) <input type="checkbox"/> MCP-METALS (13) w/Hg <input type="checkbox"/> BTEX + MIBE BY 9260 OXIDIZATES | | | | | | | | | | | | | |
| City ATKINSON | | State NH | | Zip 03865 | | | | | | | | | | | | | | PO# | |
| Telephone # 603.374.2077 | | Fax # 603.374.2078 | | Email Address DAVERILL@GEOMATRIX.COM | | | | | | | | | | | | | | | |
| ESS LAB Sample# | Date | Collection Time | COMP | GRAB | MATRIX | Sample Identification (20 Char. or less) | Pres Code | | | | | | | | | | | | |
| 1 | 7/12/06 | 12 ⁰⁰ | X | AQ | | GP-9-10.5-14 | 2 9 | H | | | | | | | | | | | |
| 2 | 7/12/06 | 13 ⁰⁰ | X | AQ | | GP-10-10.5-14 | 2 9 | H | | | | | | | | | | | |
| 3 | 7/12/06 | 15 ⁰⁰ | X | AQ | | GP-10-15-18 | 2 7 | H | | | | | | | | | | | |
| 4 | 7/12/06 | 16 ³⁰ | X | AQ | | GP-11-11-14 | 2 7 | H | | | | | | | | | | | |
| 5 | 7/17/06 | 10 ³⁰ | X | AQ | | GP-12-7.5-11 | 2 9 | H | | | | | | | | | | | |
| 6 | 7/17/06 | 10 ⁵⁰ | X | AQ | | GP-12-11-14 | 2 9 | H | | | | | | | | | | | |
| 7 | 7/17/06 | 11 ¹⁵ | X | AQ | | GP-12-14.5-18 | 2 9 | H | | | | | | | | | | | |
| 8 | 7/17/06 | 11 ⁴⁵ | X | AQ | | GP-13-7-10.5 | 2 9 | H | | | | | | | | | | | |
| 9 | 7/17/06 | 12 ¹⁰ | X | AQ | | GP-13-11-14 | 2 9 | H | | | | | | | | | | | |
| 10 | 7/17/06 | 12 ³⁰ | X | AQ | | GP-13-15-18 | 2 9 | H | | | | | | | | | | | |

Container Type: P-Poly G-Glass S-Sterile V-VOA Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

| | | |
|--|-------------------------------|---|
| Cooler Present <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Internal Use Only _____ | Preservation Code: 1- NP, 2- HCl, 3- H ₂ SO ₄ , 4- HNO ₃ , 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____ |
| Seals Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No NA: <input checked="" type="checkbox"/> [<input type="checkbox"/> Pickup | Sampled by: D. AVERILL | Comments: HOLD GRO + OXIDIZATES PENDING BTEX RESULTS. |
| Cooler Temp: 4.5° | [] Technicians _____ | |

| | | | | | | | |
|--|-----------|--|-------------------------------------|--|-------------------------------------|--|----------------------------------|
| Relinquished by: (Signature) S. J. [Signature] | Date/Time | Received by: (Signature) [Signature] | Date/Time 7/19/06 9:00 AM | Relinquished by: (Signature) [Signature] | Date/Time 7/19/06 4:02 PM | Received by: (Signature) [Signature] | Date/Time 7/19/06 1602 |
| Relinquished by: (Signature) | Date/Time | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Date/Time | Received by: (Signature) | Date/Time |

ESS Laboratory

Division of Thielsch Engineering, Inc.
 185 Frances Avenue, Cranston, RI 02910-2211
 Tel. (401) 461-7181 Fax (401) 461-4486
 www.esslaboratory.com

CHAIN OF CUSTODY

| | | |
|---|--|--------------------------------------|
| Turn Time: <u>Standard</u> Other _____ If faster than 5 days, prior approval by laboratory is required # _____ | Reporting Limits | ESS LAB PROJECT ID 0607249 |
| State where samples were collected from: MA RI CT NH NJ <u>NY</u> ME Other _____ | Electronic Deliverable <u>Yes</u> No _____ | |
| Is this project for any of the following: MA-MCP Navy USACE Other _____ | Format: Excel Access PDF Other _____ | |

| Co. Name GEOMATRIX CONSULTANTS | | Project # 9328 | | Project Name (20 Char. or less) FORMER DANCE PARK | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---------|-----------------------|------|--|--------|--|-----------|----------------------|--------------------|---------------------------------------|--------------------|--------------------------|------------------------------|-------------------|------------------------|-----------------|----------------------|------------------|--|--|------------------------------|--|--|--|--|--|--|
| Contact Person DAVID AGRIC | | Address _____ | | | | | | | | | | | | | | | | | | | | | | | | | |
| City _____ State _____ Zip _____ | | PO# _____ | | | | | | | | | | | | | | | | | | | | | | | | | |
| Telephone # _____ Fax # _____ | | Email Address _____ | | | | | | | | | | | | | | | | | | | | | | | | | |
| ESS LAB Sample# | Date | Collection Time | COMP | GRAB | MATRIX | Sample Identification (20 Char. or less) | Pres Code | Number of Containers | Type of Containers | Circle and/or Write Required Analysis | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 8060 624 524.2 | 8015 VPH w/targets | 8100 EPH w/PAHs 4 Diesel | 8081 8082 608 Pesticides PCB | 8270 625 PAH 8270 | RCRA5 RCRA8 PP13 TAL23 | TCLP-RCRA8 NBC7 | MCP-METALS (13) w/Ag | BTEX+MTBE BY GRO | | | OXYGENATES (TAMP, DIFE, TSA) | | | | | | |
| 11 | 7/17/06 | 1340 | | X | AG | GP-14-7-10.5 | 2 | 9 | V | | | | | | | | | | | | | | | | | | |
| 12 | 7/17/06 | 1400 | | X | AG | GP-14-11-14 | 2 | 9 | V | | | | | | | | | | | | | | | | | | |
| 13 | 7/17/06 | 1430 | | X | AG | GP-14-15-18 | 2 | 9 | V | | | | | | | | | | | | | | | | | | |
| 14 | 7/17/06 | | | | | TRIP BLANK | | | | | | | | | | | | | | | | | | | | | |

Container Type: P-Poly G-Glass S-Sterile V-VOA Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

| | |
|---|---|
| Cooler Present <u>Yes</u> No _____ Internal Use Only _____ | Preservation Code: 1- NP, 2- HCl, 3- H ₂ SO ₄ , 4- HNO ₃ , 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____ |
| Seals Intact <u>Yes</u> No NA: <u>Yes</u> [<u>4</u>] Pickup | Sampled by: _____ |
| Cooler Temp: <u>4.5°</u> [] Technicians _____ | Comments: HOLD GRO + OXYGENATES PENDING BTEX RESULTS. SEE JIM FRANKER |

| | | | | | | | |
|---|-----------------|---|----------------------------------|---|----------------------------------|---|-----------------------------------|
| Relinquished by: (Signature) <i>[Signature]</i> | Date/Time _____ | Received by: (Signature) <i>[Signature]</i> | Date/Time 7/19/06 9:10 AM | Relinquished by: (Signature) <i>[Signature]</i> | Date/Time 7/19/06 4:02 PM | Received by: (Signature) <i>[Signature]</i> | Date/Time 7/19/06 11:02 AM |
| Relinquished by: (Signature) _____ | Date/Time _____ | Received by: (Signature) _____ | Date/Time _____ | Relinquished by: (Signature) _____ | Date/Time _____ | Received by: (Signature) _____ | Date/Time _____ |

ESS Laboratory

Division of Thielsch Engineering, Inc.

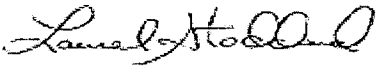
CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

David S. Averill
Geomatrix Consultants, Inc.
P.O. Box 7
Atkinson, NH 03811

RE: Former Drive & Park
ESS Laboratory Work Order Number: 0607368

This signed Certificate of Analysis is our approved release of your analytical results. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.



Laurel Stoddard
Laboratory Director

Date: August 04, 2006

Sample Receipt

13 Aqueous samples, which were originally received on July 19, 2006 as ESS Laboratory work order number 0607249, were relogged on July 27, 2006 as ESS Laboratory work order 0607368 for the analyses specified on the enclosed Chain of Custody Record. Samples 0607368-01, 0607368-02, 0607368-03 and 0607368-04 for Gasoline Range Organics Analysis and Oxygenates were requested outside of the EPA Recommended holding times. Samples were run per client's request.

Analytical Summary

The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

No unusual observations noted.

End of Project Narrative.

mlp

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-9-10.5-14
Date Sampled: 07/12/06 12:00
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 0607368
ESS Laboratory Sample ID: 0607368-01
Sample Matrix: Aqueous
Analyst: MD
Prepared: 07/28/06

8015M Gasoline Range Organics

| <u>Analyte</u> | | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>Method</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>I/V</u> | <u>F/V</u> |
|--|---|------------------|--------------|------------------|---------------|-----------|----------------|-----------------|------------|---------------|
| Gasoline Range Organics | H | ND 50.0 ug/L | ug/L | 50.0 | 8015M | 1 | MD | 07/28/06 | 5 | 5 |
| | | <i>%Recovery</i> | | <i>Qualifier</i> | | | | | | |
| <i>Surrogate: 2,5-Dibromotoluene - FID</i> | | <i>95 %</i> | | <i>H</i> | | | | | | <i>70-130</i> |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-9-10.5-14
Date Sampled: 07/12/06 12:00
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607368
ESS Laboratory Sample ID: 0607368-01
Sample Matrix: Aqueous
Analyst: MD

8260B Volatile Oxygenate Compounds

| <u>Analyte</u> | | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|----------------------------|---|----------------|--------------|------------|-----------|-----------------|
| Di-isopropyl ether | H | ND < 1.00 | ug/L | 1.00 | 1 | 07/28/06 |
| Ethyl tertiary-butyl ether | H | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Tertiary-amyl methyl ether | H | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Tertiary-butyl Alcohol | H | 96.1 | ug/L | 25.0 | 1 | 07/28/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 102 % | H | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 95 % | H | 70-130 |
| Surrogate: Dibromofluoromethane | 110 % | H | 70-130 |
| Surrogate: Toluene-d8 | 94 % | H | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-10-10.5-14
Date Sampled: 07/12/06 13:00
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 0607368
ESS Laboratory Sample ID: 0607368-02
Sample Matrix: Aqueous
Analyst: MD
Prepared: 07/28/06

8015M Gasoline Range Organics

| <u>Analyte</u> | | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>Method</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>I/V</u> | <u>F/V</u> |
|-------------------------|---|----------------|--------------|------------|---------------|-----------|----------------|-----------------|------------|------------|
| Gasoline Range Organics | H | ND | ug/L | 50.0 | 8015M | 1 | MD | 07/28/06 | 5 | 5 |

%Recovery

Qualifier

Limits

Surrogate: 2,5-Dibromotoluene - FID

103 %

H

70-130

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-10-10.5-14
Date Sampled: 07/12/06 13:00
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607368
ESS Laboratory Sample ID: 0607368-02
Sample Matrix: Aqueous
Analyst: MD

8260B Volatile Oxygenate Compounds

| <u>Analyte</u> | | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|----------------------------|---|----------------|--------------|------------|-----------|-----------------|
| Di-isopropyl ether | H | ND < 1.00 | ug/L | 1.00 | 1 | 07/28/06 |
| Ethyl tertiary-butyl ether | H | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Tertiary-amyl methyl ether | H | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Tertiary-butyl Alcohol | H | ND < 25.0 | ug/L | 25.0 | 1 | 07/28/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 102 % | H | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 94 % | H | 70-130 |
| Surrogate: Dibromofluoromethane | 111 % | H | 70-130 |
| Surrogate: Toluene-d8 | 93 % | H | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-10-15-18
Date Sampled: 07/12/06 15:00
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 0607368
ESS Laboratory Sample ID: 0607368-03
Sample Matrix: Aqueous
Analyst: MD
Prepared: 07/28/06

8015M Gasoline Range Organics

| <u>Analyte</u> | | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>Method</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>I/V</u> | <u>F/V</u> |
|--|---|------------------|--------------|------------------|---------------|-----------|----------------|-----------------|------------|------------|
| Gasoline Range Organics | H | ND | ug/L | 50.0 | 8015M | 1 | MD | 07/28/06 | 5 | 5 |
| | | <50.0 ug/L | | | | | | | | |
| | | <i>%Recovery</i> | | <i>Qualifier</i> | | | | | | |
| <i>Surrogate: 2,5-Dibromotoluene - FID</i> | | 107 % | | H | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-10-15-18
Date Sampled: 07/12/06 15:00
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607368
ESS Laboratory Sample ID: 0607368-03
Sample Matrix: Aqueous
Analyst: MD

8260B Volatile Oxygenate Compounds

| <u>Analyte</u> | | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|----------------------------|---|----------------|--------------|------------|-----------|-----------------|
| Di-isopropyl ether | H | ND < 1.00 | ug/L | 1.00 | 1 | 07/28/06 |
| Ethyl tertiary-butyl ether | H | ND ↓ | ug/L | 1.00 | 1 | 07/28/06 |
| Tertiary-amyl methyl ether | H | ND ↓ | ug/L | 1.00 | 1 | 07/28/06 |
| Tertiary-butyl Alcohol | H | ND < 25.00 | ug/L | 25.0 | 1 | 07/28/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 100 % | H | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 94 % | H | 70-130 |
| Surrogate: Dibromofluoromethane | 112 % | H | 70-130 |
| Surrogate: Toluene-d8 | 93 % | H | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-11-11-14
Date Sampled: 07/12/06 16:30
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 0607368
ESS Laboratory Sample ID: 0607368-04
Sample Matrix: Aqueous
Analyst: MD
Prepared: 07/28/06

8015M Gasoline Range Organics

| Analyte | H | Results | Units | MRL | Method | DF | Analyst | Analyzed | I/V | F/V |
|-------------------------|---|---------|-------|------|--------|----|---------|----------|-----|-----|
| Gasoline Range Organics | H | ND | ug/L | 50.0 | 8015M | 1 | MD | 07/29/06 | 5 | 5 |

| %Recovery | Qualifier | Limits |
|-----------|-----------|--------|
| 105 % | H | 70-130 |

Surrogate: 2,5-Dibromotoluene - FID

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-11-11-14
Date Sampled: 07/12/06 16:30
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607368
ESS Laboratory Sample ID: 0607368-04
Sample Matrix: Aqueous
Analyst: MD

8260B Volatile Oxygenate Compounds

| <u>Analyte</u> | | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|----------------------------|---|----------------|--------------|------------|-----------|-----------------|
| Di-isopropyl ether | H | ND < 1.00 | ug/L | 1.00 | 1 | 07/28/06 |
| Ethyl tertiary-butyl ether | H | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Tertiary-amyl methyl ether | H | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Tertiary-butyl Alcohol | H | ND < 25.0 | ug/L | 25.0 | 1 | 07/28/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 101 % | H | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 93 % | H | 70-130 |
| Surrogate: Dibromofluoromethane | 110 % | H | 70-130 |
| Surrogate: Toluene-d8 | 93 % | H | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-12-7.5-11
Date Sampled: 07/17/06 10:20
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 0607368
ESS Laboratory Sample ID: 0607368-05
Sample Matrix: Aqueous
Analyst: MD
Prepared: 07/28/06

8015M Gasoline Range Organics

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>Method</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>I/V</u> | <u>F/V</u> |
|-------------------------|----------------|--------------|------------|---------------|-----------|----------------|-----------------|------------|------------|
| Gasoline Range Organics | ND | ug/L | 50.0 | 8015M | 1 | MD | 07/29/06 | 5 | 5 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|-------------------------------------|------------------|------------------|---------------|
| Surrogate: 2,5-Dibromotoluene - FID | 103 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-12-7.5-11
Date Sampled: 07/17/06 10:20
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607368
ESS Laboratory Sample ID: 0607368-05
Sample Matrix: Aqueous
Analyst: MD

8260B Volatile Oxygenate Compounds

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|----------------------------|----------------|--------------|------------|-----------|-----------------|
| Di-isopropyl ether | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Ethyl tertiary-butyl ether | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Tertiary-amyl methyl ether | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Tertiary-butyl Alcohol | ND | ug/L | 25.0 | 1 | 07/28/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 104 % | | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 95 % | | 70-130 |
| Surrogate: Dibromofluoromethane | 111 % | | 70-130 |
| Surrogate: Toluene-d8 | 94 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-12-11-14
Date Sampled: 07/17/06 10:50
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 0607368
ESS Laboratory Sample ID: 0607368-06
Sample Matrix: Aqueous
Analyst: MD
Prepared: 07/28/06

8015M Gasoline Range Organics

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>Method</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>I/V</u> | <u>F/V</u> |
|-------------------------|----------------|--------------|------------|---------------|-----------|----------------|-----------------|------------|------------|
| Gasoline Range Organics | ND | ug/L | 50.0 | 8015M | 1 | MD | 07/29/06 | 5 | 5 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|-------------------------------------|------------------|------------------|---------------|
| Surrogate: 2,5-Dibromotoluene - FID | 107 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-12-11-14
Date Sampled: 07/17/06 10:50
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607368
ESS Laboratory Sample ID: 0607368-06
Sample Matrix: Aqueous
Analyst: MD

8260B Volatile Oxygenate Compounds

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|----------------------------|----------------|--------------|------------|-----------|-----------------|
| Di-isopropyl ether | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Ethyl tertiary-butyl ether | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Tertiary-amyl methyl ether | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Tertiary-butyl Alcohol | ND | ug/L | 25.0 | 1 | 07/28/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 100 % | | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 94 % | | 70-130 |
| Surrogate: Dibromofluoromethane | 109 % | | 70-130 |
| Surrogate: Toluene-d8 | 95 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-12-14.5-18
Date Sampled: 07/17/06 11:15
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 0607368
ESS Laboratory Sample ID: 0607368-07
Sample Matrix: Aqueous
Analyst: MD
Prepared: 07/28/06

8015M Gasoline Range Organics

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>Method</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>I/V</u> | <u>F/V</u> |
|-------------------------|----------------|--------------|------------|---------------|-----------|----------------|-----------------|------------|------------|
| Gasoline Range Organics | ND | ug/L | 50.0 | 8015M | 1 | MD | 07/29/06 | 5 | 5 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|-------------------------------------|------------------|------------------|---------------|
| Surrogate: 2,5-Dibromotoluene - FID | 107 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-12-14.5-18
Date Sampled: 07/17/06 11:15
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607368
ESS Laboratory Sample ID: 0607368-07
Sample Matrix: Aqueous
Analyst: MD

8260B Volatile Oxygenate Compounds

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|-----------------------------------|----------------|--------------|------------|-----------|-----------------|
| Di-isopropyl ether | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Ethyl tertiary-butyl ether | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Tertiary-amyl methyl ether | 1.10 | ug/L | 1.00 | 1 | 07/28/06 |
| Tertiary-butyl Alcohol | ND | ug/L | 25.0 | 1 | 07/28/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 102 % | | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 93 % | | 70-130 |
| Surrogate: Dibromofluoromethane | 108 % | | 70-130 |
| Surrogate: Toluene-d8 | 95 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-13-7-10.5
Date Sampled: 07/17/06 11:45
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 0607368
ESS Laboratory Sample ID: 0607368-08
Sample Matrix: Aqueous
Analyst: MD
Prepared: 07/28/06

8015M Gasoline Range Organics

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>Method</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>I/V</u> | <u>F/V</u> |
|--|----------------|------------------|------------------|---------------|-----------|----------------|-----------------|------------|------------|
| Gasoline Range Organics | ND | ug/L | 50.0 | 8015M | 1 | MD | 07/29/06 | 5 | 5 |
| | | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | | | | | |
| <i>Surrogate: 2,5-Dibromotoluene - FID</i> | | <i>112 %</i> | | <i>70-130</i> | | | | | |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-13-7-10.5
Date Sampled: 07/17/06 11:45
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607368
ESS Laboratory Sample ID: 0607368-08
Sample Matrix: Aqueous
Analyst: MD

8260B Volatile Oxygenate Compounds

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|----------------------------|----------------|--------------|------------|-----------|-----------------|
| Di-isopropyl ether | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Ethyl tertiary-butyl ether | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Tertiary-amyl methyl ether | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Tertiary-butyl Alcohol | ND | ug/L | 25.0 | 1 | 07/28/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 103 % | | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 94 % | | 70-130 |
| Surrogate: Dibromofluoromethane | 111 % | | 70-130 |
| Surrogate: Toluene-d8 | 94 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-13-11-14
Date Sampled: 07/17/06 12:10
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 0607368
ESS Laboratory Sample ID: 0607368-09
Sample Matrix: Aqueous
Analyst: MD
Prepared: 07/28/06

8015M Gasoline Range Organics

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>Method</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>I/V</u> | <u>F/V</u> |
|-------------------------|----------------|--------------|------------|---------------|-----------|----------------|-----------------|------------|------------|
| Gasoline Range Organics | ND | ug/L | 50.0 | 8015M | 1 | MD | 07/29/06 | 5 | 5 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|-------------------------------------|------------------|------------------|---------------|
| Surrogate: 2,5-Dibromotoluene - FID | 111 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-13-11-14
Date Sampled: 07/17/06 12:10
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607368
ESS Laboratory Sample ID: 0607368-09
Sample Matrix: Aqueous
Analyst: MD

8260B Volatile Oxygenate Compounds

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|-----------------------------------|----------------|--------------|------------|-----------|-----------------|
| Di-isopropyl ether | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Ethyl tertiary-butyl ether | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Tertiary-amyl methyl ether | 1.19 | ug/L | 1.00 | 1 | 07/28/06 |
| Tertiary-butyl Alcohol | ND | ug/L | 25.0 | 1 | 07/28/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 102 % | | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 94 % | | 70-130 |
| Surrogate: Dibromofluoromethane | 111 % | | 70-130 |
| Surrogate: Toluene-d8 | 95 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-13-15-18
Date Sampled: 07/17/06 12:30
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 0607368
ESS Laboratory Sample ID: 0607368-10
Sample Matrix: Aqueous
Analyst: MD
Prepared: 07/28/06

8015M Gasoline Range Organics

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>Method</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>I/V</u> | <u>F/V</u> |
|-------------------------|----------------|--------------|------------|---------------|-----------|----------------|-----------------|------------|------------|
| Gasoline Range Organics | ND | ug/L | 50.0 | 8015M | 1 | MD | 07/29/06 | 5 | 5 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|-------------------------------------|------------------|------------------|---------------|
| Surrogate: 2,5-Dibromotoluene - FID | 111 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-13-15-18
Date Sampled: 07/17/06 12:30
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607368
ESS Laboratory Sample ID: 0607368-10
Sample Matrix: Aqueous
Analyst: MD

8260B Volatile Oxygenate Compounds

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|----------------------------|----------------|--------------|------------|-----------|-----------------|
| Di-isopropyl ether | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Ethyl tertiary-butyl ether | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Tertiary-amyl methyl ether | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Tertiary-butyl Alcohol | ND | ug/L | 25.0 | 1 | 07/28/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 102 % | | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 94 % | | 70-130 |
| Surrogate: Dibromofluoromethane | 110 % | | 70-130 |
| Surrogate: Toluene-d8 | 94 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-14-7-10.5
Date Sampled: 07/17/06 13:40
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 0607368
ESS Laboratory Sample ID: 0607368-11
Sample Matrix: Aqueous
Analyst: MD
Prepared: 07/28/06

8015M Gasoline Range Organics

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>Method</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>I/V</u> | <u>F/V</u> |
|-------------------------|----------------|--------------|------------|---------------|-----------|----------------|-----------------|------------|------------|
| Gasoline Range Organics | ND | ug/L | 50.0 | 8015M | 1 | MD | 07/29/06 | 5 | 5 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|-------------------------------------|------------------|------------------|---------------|
| Surrogate: 2,5-Dibromotoluene - FID | 112 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-14-7-10.5
Date Sampled: 07/17/06 13:40
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607368
ESS Laboratory Sample ID: 0607368-11
Sample Matrix: Aqueous
Analyst: MD

8260B Volatile Oxygenate Compounds

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|----------------------------|----------------|--------------|------------|-----------|-----------------|
| Di-isopropyl ether | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Ethyl tertiary-butyl ether | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Tertiary-amyl methyl ether | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Tertiary-butyl Alcohol | ND | ug/L | 25.0 | 1 | 07/28/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 101 % | | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 96 % | | 70-130 |
| Surrogate: Dibromofluoromethane | 110 % | | 70-130 |
| Surrogate: Toluene-d8 | 95 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-14-11-14
Date Sampled: 07/17/06 14:00
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 0607368
ESS Laboratory Sample ID: 0607368-12
Sample Matrix: Aqueous
Analyst: MD
Prepared: 07/28/06

8015M Gasoline Range Organics

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>Method</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>I/V</u> | <u>F/V</u> |
|-------------------------|----------------|--------------|------------|---------------|-----------|----------------|-----------------|------------|------------|
| Gasoline Range Organics | ND | ug/L | 50.0 | 8015M | 1 | MD | 07/29/06 | 5 | 5 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|-------------------------------------|------------------|------------------|---------------|
| Surrogate: 2,5-Dibromotoluene - FID | 108 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-14-11-14
Date Sampled: 07/17/06 14:00
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607368
ESS Laboratory Sample ID: 0607368-12
Sample Matrix: Aqueous
Analyst: MD

8260B Volatile Oxygenate Compounds

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|-----------------------------------|----------------|--------------|------------|-----------|-----------------|
| Di-isopropyl ether | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Ethyl tertiary-butyl ether | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Tertiary-amyl methyl ether | 1.16 | ug/L | 1.00 | 1 | 07/28/06 |
| Tertiary-butyl Alcohol | ND | ug/L | 25.0 | 1 | 07/28/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 103 % | | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 93 % | | 70-130 |
| Surrogate: Dibromofluoromethane | 110 % | | 70-130 |
| Surrogate: Toluene-d8 | 94 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-14-15-18
Date Sampled: 07/17/06 14:30
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 0607368
ESS Laboratory Sample ID: 0607368-13
Sample Matrix: Aqueous
Analyst: MD
Prepared: 07/28/06

8015M Gasoline Range Organics

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>Method</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>I/V</u> | <u>F/V</u> |
|-------------------------|----------------|--------------|------------|---------------|-----------|----------------|-----------------|------------|------------|
| Gasoline Range Organics | ND | ug/L | 50.0 | 8015M | 1 | MD | 07/29/06 | 5 | 5 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|-------------------------------------|------------------|------------------|---------------|
| Surrogate: 2,5-Dibromotoluene - FID | 105 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park
Client Sample ID: GP-14-15-18
Date Sampled: 07/17/06 14:30
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0607368
ESS Laboratory Sample ID: 0607368-13
Sample Matrix: Aqueous
Analyst: MD

8260B Volatile Oxygenate Compounds

| <u>Analyte</u> | <u>Results</u> | <u>Units</u> | <u>MRL</u> | <u>DF</u> | <u>Analyzed</u> |
|----------------------------|----------------|--------------|------------|-----------|-----------------|
| Di-isopropyl ether | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Ethyl tertiary-butyl ether | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Tertiary-amyl methyl ether | ND | ug/L | 1.00 | 1 | 07/28/06 |
| Tertiary-butyl Alcohol | ND | ug/L | 25.0 | 1 | 07/28/06 |

| | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> |
|----------------------------------|------------------|------------------|---------------|
| Surrogate: 1,2-Dichloroethane-d4 | 105 % | | 70-130 |
| Surrogate: 4-Bromofluorobenzene | 93 % | | 70-130 |
| Surrogate: Dibromofluoromethane | 112 % | | 70-130 |
| Surrogate: Toluene-d8 | 93 % | | 70-130 |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park

ESS Laboratory Work Order: 0607368

Quality Control Data

| Analyte | Result | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|

8015M Gasoline Range Organics

Batch BG62841 - 5030B

Blank

| | | | | | | | | | | |
|-------------------------|----|------|------|--|--|--|--|--|--|--|
| Gasoline Range Organics | ND | 50.0 | ug/L | | | | | | | |
|-------------------------|----|------|------|--|--|--|--|--|--|--|

| | | | | | | | | | | |
|-------------------------------------|------|--|------|------|--|-----|--------|--|--|--|
| Surrogate: 2,5-Dibromotoluene - FID | 52.2 | | ug/L | 50.0 | | 104 | 70-130 | | | |
|-------------------------------------|------|--|------|------|--|-----|--------|--|--|--|

LCS

| | | | | | | | | | | |
|-------------------------|-----|--|------|-----|--|----|--------|--|--|--|
| Gasoline Range Organics | 480 | | ug/L | 500 | | 96 | 60-140 | | | |
|-------------------------|-----|--|------|-----|--|----|--------|--|--|--|

| | | | | | | | | | | |
|-------------------------------------|------|--|------|------|--|-----|--------|--|--|--|
| Surrogate: 2,5-Dibromotoluene - FID | 51.2 | | ug/L | 50.0 | | 102 | 70-130 | | | |
|-------------------------------------|------|--|------|------|--|-----|--------|--|--|--|

LCS Dup

| | | | | | | | | | | |
|-------------------------|-----|--|------|-----|--|----|--------|-----|----|--|
| Gasoline Range Organics | 483 | | ug/L | 500 | | 97 | 60-140 | 0.6 | 20 | |
|-------------------------|-----|--|------|-----|--|----|--------|-----|----|--|

| | | | | | | | | | | |
|-------------------------------------|------|--|------|------|--|-----|--------|--|--|--|
| Surrogate: 2,5-Dibromotoluene - FID | 50.5 | | ug/L | 50.0 | | 101 | 70-130 | | | |
|-------------------------------------|------|--|------|------|--|-----|--------|--|--|--|

Matrix Spike Source: 0607368-05

| | | | | | | | | | | |
|-------------------------|-----|--|------|-----|------|----|--------|--|--|--|
| Gasoline Range Organics | 489 | | ug/L | 500 | 14.2 | 95 | 60-140 | | | |
|-------------------------|-----|--|------|-----|------|----|--------|--|--|--|

| | | | | | | | | | | |
|-------------------------------------|------|--|------|------|--|-----|--------|--|--|--|
| Surrogate: 2,5-Dibromotoluene - FID | 55.2 | | ug/L | 50.0 | | 110 | 70-130 | | | |
|-------------------------------------|------|--|------|------|--|-----|--------|--|--|--|

Matrix Spike Dup Source: 0607368-05

| | | | | | | | | | | |
|-------------------------|-----|--|------|-----|------|----|--------|---|----|--|
| Gasoline Range Organics | 483 | | ug/L | 500 | 14.2 | 94 | 60-140 | 1 | 40 | |
|-------------------------|-----|--|------|-----|------|----|--------|---|----|--|

| | | | | | | | | | | |
|-------------------------------------|------|--|------|------|--|-----|--------|--|--|--|
| Surrogate: 2,5-Dibromotoluene - FID | 56.0 | | ug/L | 50.0 | | 112 | 70-130 | | | |
|-------------------------------------|------|--|------|------|--|-----|--------|--|--|--|

8260B Volatile Oxygenate Compounds

Batch BG62823 - 5030B

Blank

| | | | | | | | | | | |
|--------------------|----|------|------|--|--|--|--|--|--|--|
| Di-isopropyl ether | ND | 1.00 | ug/L | | | | | | | |
|--------------------|----|------|------|--|--|--|--|--|--|--|

| | | | | | | | | | | |
|----------------------------|----|------|------|--|--|--|--|--|--|--|
| Ethyl tertiary-butyl ether | ND | 1.00 | ug/L | | | | | | | |
|----------------------------|----|------|------|--|--|--|--|--|--|--|

| | | | | | | | | | | |
|----------------------------|----|------|------|--|--|--|--|--|--|--|
| Tertiary-amyl methyl ether | ND | 1.00 | ug/L | | | | | | | |
|----------------------------|----|------|------|--|--|--|--|--|--|--|

| | | | | | | | | | | |
|------------------------|----|------|------|--|--|--|--|--|--|--|
| Tertiary-butyl Alcohol | ND | 25.0 | ug/L | | | | | | | |
|------------------------|----|------|------|--|--|--|--|--|--|--|

| | | | | | | | | | | |
|----------------------------------|------|--|------|------|--|-----|--------|--|--|--|
| Surrogate: 1,2-Dichloroethane-d4 | 25.0 | | ug/L | 25.0 | | 100 | 70-130 | | | |
|----------------------------------|------|--|------|------|--|-----|--------|--|--|--|

| | | | | | | | | | | |
|---------------------------------|------|--|------|------|--|----|--------|--|--|--|
| Surrogate: 4-Bromofluorobenzene | 23.4 | | ug/L | 25.0 | | 94 | 70-130 | | | |
|---------------------------------|------|--|------|------|--|----|--------|--|--|--|

| | | | | | | | | | | |
|---------------------------------|------|--|------|------|--|-----|--------|--|--|--|
| Surrogate: Dibromofluoromethane | 27.8 | | ug/L | 25.0 | | 111 | 70-130 | | | |
|---------------------------------|------|--|------|------|--|-----|--------|--|--|--|

| | | | | | | | | | | |
|-----------------------|------|--|------|------|--|----|--------|--|--|--|
| Surrogate: Toluene-d8 | 23.3 | | ug/L | 25.0 | | 93 | 70-130 | | | |
|-----------------------|------|--|------|------|--|----|--------|--|--|--|

LCS

| | | | | | | | | | | |
|--------------------|------|--|------|------|--|-----|--------|--|--|--|
| Di-isopropyl ether | 24.9 | | ug/L | 25.0 | | 100 | 70-130 | | | |
|--------------------|------|--|------|------|--|-----|--------|--|--|--|

| | | | | | | | | | | |
|----------------------------|------|--|------|------|--|----|--------|--|--|--|
| Ethyl tertiary-butyl ether | 23.4 | | ug/L | 25.0 | | 94 | 70-130 | | | |
|----------------------------|------|--|------|------|--|----|--------|--|--|--|

| | | | | | | | | | | |
|----------------------------|------|--|------|------|--|----|--------|--|--|--|
| Tertiary-amyl methyl ether | 22.2 | | ug/L | 25.0 | | 89 | 70-130 | | | |
|----------------------------|------|--|------|------|--|----|--------|--|--|--|

| | | | | | | | | | | |
|------------------------|-----|--|------|-----|--|-----|--------|--|--|--|
| Tertiary-butyl Alcohol | 127 | | ug/L | 125 | | 102 | 70-130 | | | |
|------------------------|-----|--|------|-----|--|-----|--------|--|--|--|

| | | | | | | | | | | |
|----------------------------------|------|--|------|------|--|----|--------|--|--|--|
| Surrogate: 1,2-Dichloroethane-d4 | 24.0 | | ug/L | 25.0 | | 96 | 70-130 | | | |
|----------------------------------|------|--|------|------|--|----|--------|--|--|--|

| | | | | | | | | | | |
|---------------------------------|------|--|------|------|--|----|--------|--|--|--|
| Surrogate: 4-Bromofluorobenzene | 22.5 | | ug/L | 25.0 | | 90 | 70-130 | | | |
|---------------------------------|------|--|------|------|--|----|--------|--|--|--|

| | | | | | | | | | | |
|---------------------------------|------|--|------|------|--|-----|--------|--|--|--|
| Surrogate: Dibromofluoromethane | 26.1 | | ug/L | 25.0 | | 104 | 70-130 | | | |
|---------------------------------|------|--|------|------|--|-----|--------|--|--|--|

| | | | | | | | | | | |
|-----------------------|------|--|------|------|--|-----|--------|--|--|--|
| Surrogate: Toluene-d8 | 25.1 | | ug/L | 25.0 | | 100 | 70-130 | | | |
|-----------------------|------|--|------|------|--|-----|--------|--|--|--|

LCS Dup

| | | | | | | | | | | |
|--------------------|------|--|------|------|--|----|--------|---|----|--|
| Di-isopropyl ether | 24.6 | | ug/L | 25.0 | | 98 | 70-130 | 1 | 20 | |
|--------------------|------|--|------|------|--|----|--------|---|----|--|

| | | | | | | | | | | |
|----------------------------|------|--|------|------|--|----|--------|---|----|--|
| Ethyl tertiary-butyl ether | 23.0 | | ug/L | 25.0 | | 92 | 70-130 | 2 | 20 | |
|----------------------------|------|--|------|------|--|----|--------|---|----|--|

| | | | | | | | | | | |
|----------------------------|------|--|------|------|--|----|--------|---|----|--|
| Tertiary-amyl methyl ether | 21.5 | | ug/L | 25.0 | | 86 | 70-130 | 3 | 20 | |
|----------------------------|------|--|------|------|--|----|--------|---|----|--|

| | | | | | | | | | | |
|------------------------|-----|--|------|-----|--|----|--------|----|----|--|
| Tertiary-butyl Alcohol | 115 | | ug/L | 125 | | 92 | 70-130 | 10 | 20 | |
|------------------------|-----|--|------|-----|--|----|--------|----|----|--|

| | | | | | | | | | | |
|----------------------------------|------|--|------|------|--|----|--------|--|--|--|
| Surrogate: 1,2-Dichloroethane-d4 | 23.6 | | ug/L | 25.0 | | 94 | 70-130 | | | |
|----------------------------------|------|--|------|------|--|----|--------|--|--|--|

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
 Client Project ID: Former Drive & Park

ESS Laboratory Work Order: 0607368

Quality Control Data

| Analyte | Result | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|

8260B Volatile Oxygenate Compounds

Batch BG62823 - 5030B

| | | | | | | | | | | |
|---------------------------------|------|--|------|------|--|-----|--------|--|--|--|
| Surrogate: 4-Bromofluorobenzene | 22.4 | | ug/L | 25.0 | | 90 | 70-130 | | | |
| Surrogate: Dibromofluoromethane | 25.4 | | ug/L | 25.0 | | 102 | 70-130 | | | |
| Surrogate: Toluene-d8 | 25.2 | | ug/L | 25.0 | | 101 | 70-130 | | | |

Matrix Spike Source: 0607368-07

| | | | | | | | | | | |
|----------------------------------|------|--|------|------|------|-----|--------|--|--|--|
| Di-isopropyl ether | 27.0 | | ug/L | 25.0 | ND | 108 | 70-130 | | | |
| Ethyl tertiary-butyl ether | 24.6 | | ug/L | 25.0 | ND | 98 | 70-130 | | | |
| Tertiary-amyl methyl ether | 24.8 | | ug/L | 25.0 | 1.10 | 95 | 70-130 | | | |
| Tertiary-butyl Alcohol | 103 | | ug/L | 125 | ND | 82 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 23.3 | | ug/L | 25.0 | | 93 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.4 | | ug/L | 25.0 | | 94 | 70-130 | | | |
| Surrogate: Dibromofluoromethane | 25.9 | | ug/L | 25.0 | | 104 | 70-130 | | | |
| Surrogate: Toluene-d8 | 23.8 | | ug/L | 25.0 | | 95 | 70-130 | | | |

Matrix Spike Dup Source: 0607368-07

| | | | | | | | | | | |
|----------------------------------|------|--|------|------|------|-----|--------|---|----|--|
| Di-isopropyl ether | 25.9 | | ug/L | 25.0 | ND | 104 | 70-130 | 4 | 20 | |
| Ethyl tertiary-butyl ether | 24.1 | | ug/L | 25.0 | ND | 96 | 70-130 | 2 | 20 | |
| Tertiary-amyl methyl ether | 24.0 | | ug/L | 25.0 | 1.10 | 92 | 70-130 | 3 | 20 | |
| Tertiary-butyl Alcohol | 112 | | ug/L | 125 | ND | 90 | 70-130 | 8 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 23.9 | | ug/L | 25.0 | | 96 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.2 | | ug/L | 25.0 | | 93 | 70-130 | | | |
| Surrogate: Dibromofluoromethane | 26.1 | | ug/L | 25.0 | | 104 | 70-130 | | | |
| Surrogate: Toluene-d8 | 23.5 | | ug/L | 25.0 | | 94 | 70-130 | | | |

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.

Client Project ID: Former Drive & Park

ESS Laboratory Work Order: 0607368

Notes and Definitions

- H Estimated value. Sample hold times were exceeded.
- ND Analyte NOT DETECTED above the detection limit
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- MDL Method Detection Limit
- MRL Method Reporting Limit
- mg/kg Results reported as wet weight
- TCLP Toxicity Characteristic Leachate Procedure
- I/V Initial Volume
- F/V Final Volume
- § Subcontracted analysis; see attached report
- TIC A forward library search of the NBS Mass Spectral Library was performed on this sample using the McLafferty Probability Base Matching (PBM) Algorithm. An estimated concentration of non-TCL compounds tentatively identified is quantified by the internal standard method. The nearest internal standard free of interferences was used to quantify. A response factor of one was assumed. This search was inclusive of the ten largest peaks greater than ten percent of the nearest internal standard.
- 1 Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
- 2 Range result excludes concentrations of target analytes eluting in that range.
- 3 Range result excludes the concentration of the C9-C10 aromatic range.
- Avg Results reported as a mathematical average.
- NR No Recovery
- ¶ The state of RI does not grant certification for this method for non-potables.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: Geomatrix Consultants, Inc.
Client Project ID: Former Drive & Park

ESS Laboratory Work Order: 0607368

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP): 242405
Potable Water
Non Potable Water

New York (NELAP): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

Pennsylvania: 68-934, 68-1752

ESS Laboratory

Division of Thielsch Engineering, Inc.
 185 Frances Avenue, Cranston, RI 02910-2211
 Tel. (401) 461-7181 Fax (401) 461-4486
 www.esslaboratory.com

CHAIN OF CUSTODY

| | |
|---|---|
| Turn Time <input checked="" type="checkbox"/> Standard Other _____ If faster than 5 days, prior approval by laboratory is required # _____ | Reporting Limits <u>JTD</u> <u>0607249</u> |
| State where samples were collected from: MA RI CT NH NJ <u>NY</u> ME Other _____ | ESS LAB PROJECT ID <u>0607368</u> |
| Is this project for any of the following: MA-MCP Navy USACE Other _____ | Electronic Deliverable <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Format: Excel Access <u>PDF</u> Other _____ |

| | | | | | | | | | | | | | | | | | | | |
|---|---------|------------------------------|------|---|--------|---|---|--|---|-----------|--|--|--|-----------|--|--|--|--|-----------|
| Co. Name <u>GEOMATRIX CONSULTANTS</u> | | Project # <u>9328</u> | | Project Name (20 Char. or less) <u>FORMER DRIVE + PARK</u> | | Circle and/or Write Required Analysis | | | | | | | | | | | | | |
| Contact Person <u>DAVID AVERILL</u> | | Address <u>PO Box 7</u> | | | | 8260 VOA 624 524.2 8015 GRO <u>W/PAHES</u> 8100 TPH 8081 Pesticides 8082 PCB 8270 SYOA EPH w/PAHES EPH 4 Diesel 608 Pesticides PCB 625 PAH 9270 RCRA5 RCRA8 PPI3 TAL23 TCLP-RCRA8 MCP-METALS (13) MCP-METALS (17) <u>BTEX + METALS + GRO</u> <u>OXIDIZABLES</u> | | | | | | | | | | | | | |
| City <u>ATKINSON</u> | | State <u>NH</u> | | Zip <u>03865</u> | | | | | | | | | | | | | | PO# | |
| Telephone # <u>603.376.2077</u> | | Fax # <u>603.376.2078</u> | | Email Address <u>DAVERILL@GEOMATRIX.COM</u> | | | | | | | | | | | | | | | |
| ESS LAB Sample # | Date | Collection Time | COMP | GRAB | MATRIX | | | | | | | | | | | | | Sample Identification (20 Char. or less) | Pres Code |
| 1 | 7/12/06 | 12 ⁰⁰ | | X | AG | GP-9-10.5-14 | 2 | 9 | H | | | | | | | | | | |
| 2 | 7/12/06 | 13 ⁰⁰ | | X | AG | GP-10-10.5-14 | 2 | 9 | H | | | | | | | | | | |
| 3 | 7/12/06 | 15 ⁰⁰ | | X | AG | GP-10-15-14 | 2 | 7 | H | | | | | | | | | | |
| 4 | 7/12/06 | 16 ³⁰ | | X | AG | GP-11-11-14 | 2 | 7 | H | | | | | | | | | | |
| 5 | 7/17/06 | 10 ³⁰ | | X | AG | GP-12-7.5-11 | 2 | 9 | H | | | | | | | | | | |
| 6 | 7/17/06 | 10 ⁵⁰ | | X | AG | GP-12-11-14 | 2 | 9 | H | | | | | | | | | | |
| 7 | 7/17/06 | 11 ¹⁵ | | X | AG | GP-12-14.5-18 | 2 | 9 | H | | | | | | | | | | |
| 8 | 7/17/06 | 11 ⁴⁵ | | X | AG | GP-13-7-10.5 | 2 | 9 | H | | | | | | | | | | |
| 9 | 7/17/06 | 12 ¹⁰ | | X | AG | GP-13-11-14 | 2 | 9 | H | | | | | | | | | | |
| 10 | 7/17/06 | 12 ³⁰ | | X | AG | GP-13-15-18 | 2 | 9 | H | | | | | | | | | | |
| Container Type: P-Poly G-Glass S-Sterile V-VOA Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters | | | | | | | | | | | | | | | | | | | |
| Cooler Present <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Internal Use Only | | | | Preservation Code: 1- NP, 2- HCl, 3- H ₂ SO ₄ , 4- HNO ₃ , 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____ | | | | | | | | | | | | | | | |
| Seals Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No NA: <input checked="" type="checkbox"/> Pickup | | | | Sampled by: <u>D. Averill</u> | | | | | | | | | | | | | | | |
| Cooler Temp: <u>4.5°</u> [] Technicians _____ | | | | Comments: <u>HOLD GRO + OXIDIZABLES PENDING BTEX RESULTS</u> | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) <u>[Signature]</u> | | Date/Time | | Received by: (Signature) <u>[Signature]</u> | | Date/Time | | Relinquished by: (Signature) <u>[Signature]</u> | | Date/Time | | Received by: (Signature) <u>[Signature]</u> | | Date/Time | | | | | |
| Relinquished by: (Signature) | | Date/Time | | Received by: (Signature) | | Date/Time | | Relinquished by: (Signature) | | Date/Time | | Received by: (Signature) | | Date/Time | | | | | |

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

ESS Laboratory

Division of Thielsch Engineering, Inc.
 185 Frances Avenue, Cranston, RI 02910-2211
 Tel. (401) 461-7181 Fax (401) 461-4486
 www.esslaboratory.com

CHAIN OF CUSTODY

| | |
|--|---|
| Turn Time <u>Standard</u> Other _____ If faster than 5 days, prior approval by laboratory is required # _____ | Reporting Limits <u>STD</u> <u>72706</u> <u>0607249</u> ESS LAB PROJECT ID |
| State where samples were collected from: MA RI CT NH NJ <u>NY</u> ME Other _____ | Electronic Deliverable Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Format: Excel Access PDF Other <u>0607368</u> |
| Is this project for any of the following: MA-MCP Navy USACE Other _____ | |

| | | |
|---------------------------------------|-----------------------|--|
| Co. Name <u>GEOMATRIX CONSULTANTS</u> | Project # <u>9328</u> | Project Name (20 Char. or less) <u>FORMER DRYER PARK</u> |
| Contact Person <u>DAVID AVERIE</u> | Address _____ | |
| City _____ State _____ Zip _____ | PO# _____ | |
| Telephone # _____ Fax # _____ | Email Address _____ | |

| ESS LAB Sample # | Date | Collection Time | COMP | GRAB | MATRIX | Sample Identification (20 Char. or less) | Pres Code | Number of Containers | Type of Containers | Circle and/or Write Required Analysis |
|------------------|----------------|-----------------|------|----------|-----------|--|-----------|----------------------|--------------------|---|
| <u>11</u> | <u>7/17/06</u> | <u>1340</u> | | <u>X</u> | <u>AG</u> | <u>GP-14-7-10.5</u> | <u>2</u> | <u>9</u> | <u>V</u> | <u>H</u> 8015 VPH w/targets 8021 MTBE/TEX GRO |
| <u>12</u> | <u>7/17/06</u> | <u>1400</u> | | <u>X</u> | <u>AG</u> | <u>GP-14-11-14</u> | <u>2</u> | <u>9</u> | <u>V</u> | <u>H</u> |
| <u>13</u> | <u>7/17/06</u> | <u>1430</u> | | <u>X</u> | <u>AG</u> | <u>GP-14-15-18</u> | <u>2</u> | <u>9</u> | <u>V</u> | <u>H</u> |
| <u>14</u> | <u>7/17/06</u> | | | | | <u>TRIP BLANK</u> | | | | |

Container Type: P-Poly G-Glass S-Sterile V-VOA Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present Yes No Internal Use Only _____

Seals Intact Yes No NA: Pickup _____

Cooler Temp: 4.5° [] Technicians _____

Preservation Code: 1- NP, 2- HCl, 3- H₂SO₄, 4- HNO₃, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____

Sampled by: _____

Comments: HOLD GRO + OXYGENATES PENDING BTEX RESULTS. SEE JIM FRANKER

| | | | | | | | |
|---|-----------------|---|----------------------------------|---|----------------------------------|---|-------------------------------|
| Relinquished by: (Signature) <u>[Signature]</u> | Date/Time _____ | Received by: (Signature) <u>[Signature]</u> | Date/Time <u>7/19/06 9:10 AM</u> | Relinquished by: (Signature) <u>[Signature]</u> | Date/Time <u>7/19/06 4:02 PM</u> | Received by: (Signature) <u>[Signature]</u> | Date/Time <u>7/19/06 1602</u> |
| Relinquished by: (Signature) _____ | Date/Time _____ | Received by: (Signature) _____ | Date/Time _____ | Relinquished by: (Signature) _____ | Date/Time _____ | Received by: (Signature) _____ | Date/Time _____ |

APPENDIX H

Waste Disposal Records for Off-site Oxygenate Source Investigation



State of New Jersey
 Department of Environmental Protection
 Hazardous Waste Regulation Program
 Manifest Section
 P.O. Box 414, Trenton, NJ 08625-0414



5313099

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

| | | | | | | | | | | |
|---|---|--|---|-----------------------|--|--|---|---|----------------------------|-----------|
| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. NY D 0 1 3 0 6 4 5 8 9 0 9 2 2 3 | | Manifest Document No. | | 2. Page 1 of 1 | | Information in the shaded areas is not required by Federal law. | | |
| 3. Generator's Name and Mailing Address AVIS-RENT-A-CAR SYSTEM, INC. 28 IBM ROAD POUGHKEEPSIE, NY 12601 | | | | | | A. State Manifest Document Number NJA 5313099 | | | | |
| 4. Generator's Phone (973) 496-3447 | | | | | | B. State Generator's ID-(Gen. Site Address): SAME | | | | |
| 5. Transporter 1 Company Name CLEAN VENTURE INC. | | | 6. US EPA ID Number NJ 0 0 0 0 2 7 1 9 3 | | | C. State Trans. ID-NJDEP 5811 | | Decal No.- 082670 | | |
| 7. Transporter 2 Company Name | | | 8. US EPA ID Number | | | D. Transporter's Phone (908) 355-5800 | | | | |
| 9. Designated Facility Name and Site Address Cycle Chem Inc. 217 South First Street Elizabeth, NJ 07206 | | | | | | 10. US EPA ID Number NJ 0 0 2 2 0 0 0 4 | | E. State Trans. ID-NJDEP | | |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) HM | | | | | | 12. Containers | | 13. Total Quantity | 14. Unit Wt/Vol | Waste No. |
| a. | X | R.Q.Hazardous waste, liquid, n.o.s. 9 NA3082 PG III (D018) | | | | XX3 | D | XV165 | G | D018 |
| b. | X | R.Q.Hazardous waste, solid, n.o.s. 9 NA3077 PG III (D018) | | | | XX4 | D | X1600 | P | D018 |
| c. | | | | | | | | | | |
| d. | | | | | | | | | | |
| J. Additional Descriptions for Materials Listed Above (EL) WASTE WATER BENZENE a. 1.3mg/kg 0-100% | | | | | | K. Manifest Codes for Wastes Listed Above 201 901 901 NY/B | | | | |
| (ES) SOIL BENZENE 1.3mg/kg b. 0-100% | | | | | | c. | | | | |
| 15. Special Handling Instructions and Additional Information LDR On File 24 Hr Emergency #: (908) 354-0210 939953/939135/66486 TATD001-1 EFG#171; CB1R02-2 EFG#171; PLATE #AF6-61SNJ | | | | | | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I certify. | | | | | | | | | | |
| Printed/Typed Name K Glenn Simmons | | | | | | Signature K Glenn Simmons | | | Month Day Year 08 10 16 | |
| 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Kevin Howard | | | | | | Signature K Howard | | | Month Day Year 08 10 16 | |
| 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name | | | | | | Signature | | | Month Day Year | |
| 19. Discrepancy Indication Space | | | | | | | | | | |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 18. Printed/Typed Name Chris Gibson | | | | | | Signature Chris Gibson | | | Month Day Year 08 10 16 | |

EPA Form 8700-22

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

1-TSD MAIL TO-TSD'S STATE

In case of an emergency call the state and emergency numbers listed on the back of this form. Dept. of Environmental Protection also energy. (908) 292-7112

GENERATOR

TRANSPORTER

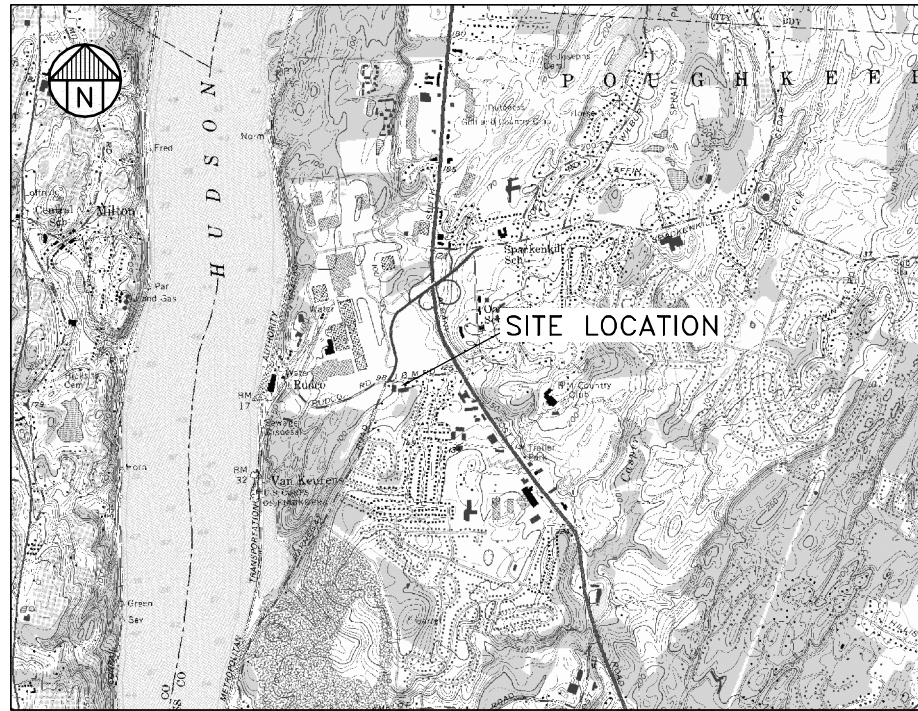
FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST

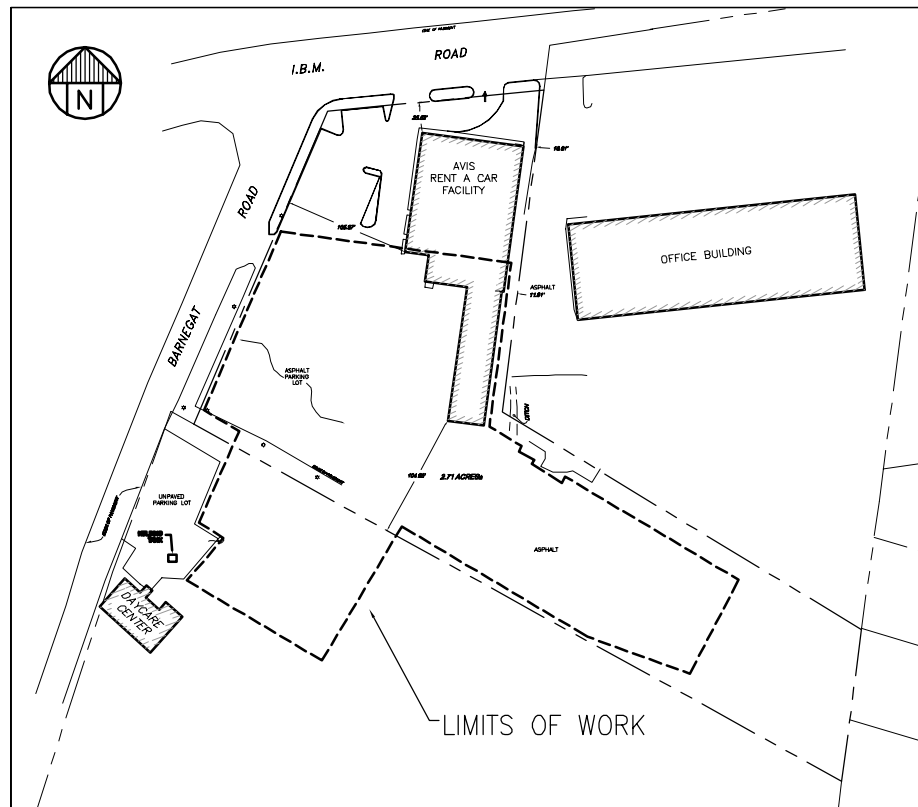
APPENDIX I

As-Built Construction Drawings

INTERIM REMEDIAL MEASURE - AS BUILT FORMER DRIVE & PARK, INC. SITE TOWN OF POUGHKEEPSIE NEW YORK



SITE LOCATION MAP
2000 0 2000 4000
SCALE IN FEET



SITE VICINITY MAP
80 0 80 160
SCALE IN FEET

DRAWING LIST

| SHT No. | DWG No. | DWG NAME |
|---------|---------|-----------------------------|
| 1 | G1 | TITLE SHEET |
| 2 | G2 | EXISTING SITE LAYOUT |
| 3 | C1 | EXCAVATION PLAN |
| 4 | C2 | BACKFILL DETAILS |
| 4 | C3 | OFF-SITE RESTORATION PLAN |
| 6 | C4 | DECONTAMINATION PAD DETAILS |

LEGEND

| | |
|--|------------------------------------|
| | UTILITY POLE |
| | HYDRANT |
| | CATCH BASIN |
| | LIGHT POLE |
| | SOIL BORING |
| | MONITORING WELL |
| | OVERHEAD UTILITIES |
| | UNDERGROUND ELECTRIC |
| | UNDERGROUND GAS LINE |
| | UNKNOWN UTILITY/DRAIN LINE |
| | WATER LINE |
| | WATER VALVE |
| | GAS VALVE |
| | UNKNOWN VALVE |
| | TELEPHONE MANHOLE |
| | DRAINAGE MANHOLE |
| | SANITARY MANHOLE |
| | UNKNOWN MANHOLE |
| | SIGN |
| | ELEVATION INFORMATION |
| | TELEPHONE BOX |
| | TREE |
| | BUSH |
| | TOPOGRAPHIC CONTOUR (ELEV. IN FT.) |
| | PARCEL BOUNDARY LINE |
| | LIMITS OF WORK |
| | FENCE |

SYMBOLS

| | |
|--|---|
| | DETAIL IDENTIFICATION LETTER |
| | DWG NUMBER ON WHICH DETAIL IS DRAWN |
| | DWG NUMBER FROM WHICH DETAIL IS TAKEN |
| | DETAIL IS TAKEN FROM AND DRAWN ON SAME DWG |
| | SECTION IDENTIFICATION LETTER |
| | DWG NUMBER ON WHICH SECTION IS DRAWN |
| | DWG NUMBER FROM WHICH SECTION IS TAKEN |
| | SECTION IS TAKEN FROM AND DRAWN ON SAME DWG |

GENERAL NOTES

1. THE WORK IS TAKING PLACE AT AN ACTIVE FACILITY. THE CONTRACTOR SHALL MINIMIZE ADVERSE IMPACTS TO FACILITY OPERATION.
2. CONTRACTOR SHALL VERIFY ALL FIELD DIMENSIONS AND ELEVATIONS SHOWN ON THE PLANS AND SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES FOR CORRECTIVE ACTION PRIOR TO PROCEEDING WITH WORK.
3. THE SPECIFICATIONS FOR THIS PROJECT, WHICH ARE A SEPARATE DOCUMENT, ARE AN INTEGRAL PART OF THE CONTRACT DOCUMENTS. SEE SPECIFICATIONS FOR INFORMATION NOT GIVEN IN THESE GENERAL NOTES OR SHOWN ON THESE DRAWINGS.
4. THE ENGINEER SHALL BE NOTIFIED OF ANY UNANTICIPATED CONDITIONS THAT ARE ENCOUNTERED AND WILL DETERMINE WHETHER DESIGN CHANGES WILL BE REQUIRED.
5. EXISTING SURVEY AND PHOTOGRAMMETRY OF THE AREA WAS PERFORMED BY MORRIS ASSOCIATES, POUGHKEEPSIE, NY.
6. HORIZONTAL DATUM IS NAD83 (NEW YORK EAST). VERTICAL DATUM IS NAVD88.
8. EXISTING UNDERGROUND FACILITIES: EXISTING UNDERGROUND UTILITIES AND FACILITIES DATA SHOWN OR REFERRED TO ARE PER RECORDS AND PREVIOUS INVESTIGATIONS ONLY.
9. CONFORMS: VERIFY LOCATIONS AND ELEVATIONS OF EXISTING FACILITIES TO WHICH NEW FACILITIES WOULD CONNECT PRIOR TO COMMENCING WORK SO THAT, IF NECESSARY, ADJUSTMENTS MAY BE MADE TO PROVIDE FOR SMOOTH CONFORMS AND TRANSITIONS.
10. SURFACE GRADES: SURFACE GRADES SHOWN ARE TO BE FINISHED GRADES.
11. MAINTAIN SERVICES DURING CONSTRUCTION: SEQUENCE, COORDINATE AND CONDUCT CONSTRUCTION OPERATIONS SUCH AS TO MAINTAIN CONTINUOUS PUBLIC SAFETY, ACCESS, DRAINAGE AND UTILITY SERVICES TO EXISTING FACILITIES REQUIRING THESE SERVICES. NOTIFY THE ENGINEER AT LEAST SEVEN (7) DAYS, UNLESS OTHERWISE APPROVED, IN ADVANCE OF INTERRUPTION OF ANY OF THESE SERVICES.
12. OVERHEAD ELECTRICAL LINES: CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND MAINTAINING SAFE CLEARANCES FROM OVERHEAD ELECTRICAL LINES AT ALL TIMES AND, WHERE HAZARDOUS CONDITIONS EXIST, FOR TAKING THE NECESSARY PRECAUTIONS AGAINST INJURY AND DAMAGE.
13. SAFETY MEASURES. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE AT ALL TIMES INCLUDING SAFETY OF PERSONS AND PROPERTY, AND FOR ALL NECESSARY INDEPENDENT ENGINEERING REVIEWS OF THESE CONDITIONS. THE ENGINEER'S JOB SITE REVIEW DOES NOT INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES.

CAUTION: THIS PLAN MAY BE REDUCED ORIGINAL SCALE

Plot Date: 03/26/07 - 9:05am; Plotted by: tgraul; Drawing Path: S:\9300_9328_9328.000 task_10_07_0223_rrep_1.dwg

| REFERENCES: | NO. | REVISION | DATE | APRVD | DRAWN | DESIGNED | CHECKED | REVIEWED |
|-------------|-----|----------|----------|-------|-------|----------|---------|----------|
| PLANS | | AS BUILT | 09/30/06 | | JDG | SNJ | ADC | KRM |
| DATUM | | | | | | | | 68079 |

Avis Rent A Car System, Inc.
6 Sylvan Way
Parsippany, New Jersey 07054

Geomatrix
Geomatrix Engineering, LLC
90 B John Muir Drive, Ste. 104
Amherst, New York 14228
(716) 565-0624

**INTERIM REMEDIAL MEASURE - AS BUILT
FORMER DRIVE & PARK, INC. SITE
TOWN OF POUGHKEEPSIE, NEW YORK**

TITLE SHEET

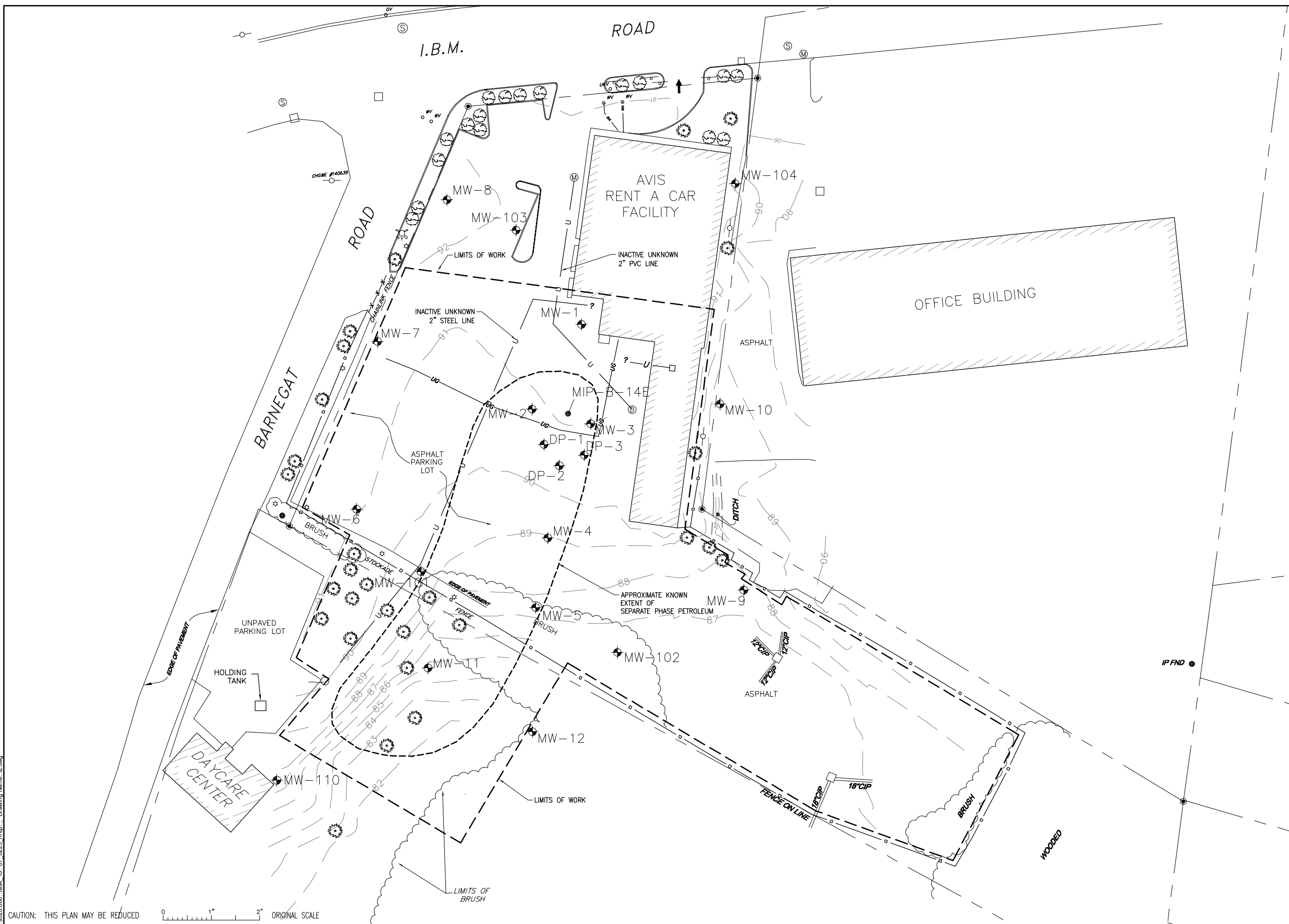
DATE: 12-18-06

SCALE: SEE DRAWING

SHEET: 1 OF 6 SHEETS

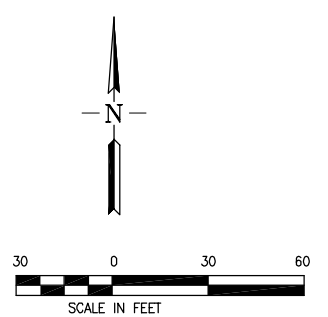
PROJ No:
9328.000

11

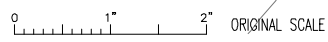


LEGEND

| | |
|--|------------------------------------|
| | UTILITY POLE |
| | HYDRANT |
| | CATCH BASIN |
| | LIGHT POLE |
| | MONITORING WELL |
| | OVERHEAD UTILITIES |
| | UNDERGROUND ELECTRIC |
| | UNDERGROUND GAS LINE |
| | UNKNOWN UTILITY/DRAIN LINE |
| | WATER LINE |
| | WATER VALVE |
| | GAS VALVE |
| | UNKNOWN VALVE |
| | TELEPHONE MANHOLE |
| | DRAINAGE MANHOLE |
| | SANITARY MANHOLE |
| | UNKNOWN MANHOLE |
| | TREE |
| | BUSH |
| | TOPOGRAPHIC CONTOUR (ELEV. IN FT.) |
| | PARCEL BOUNDARY LINE |
| | EXTENT OF SEPARATE PHASE PETROLEUM |
| | LIMITS OF WORK |
| | FENCE |



CAUTION: THIS PLAN MAY BE REDUCED



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| PLANS | AS BUILT | | 09/30/06 | |
| DATUM | | | | |

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| DRAWN | JDG |
| DESIGNED | SNJ |
| CHECKED | ADC |
| REVIEWED | KRM |
| | 68079 |

Avis Rent A Car System, Inc.
 6 Sylvan Way
 Parsippany, New Jersey 07054

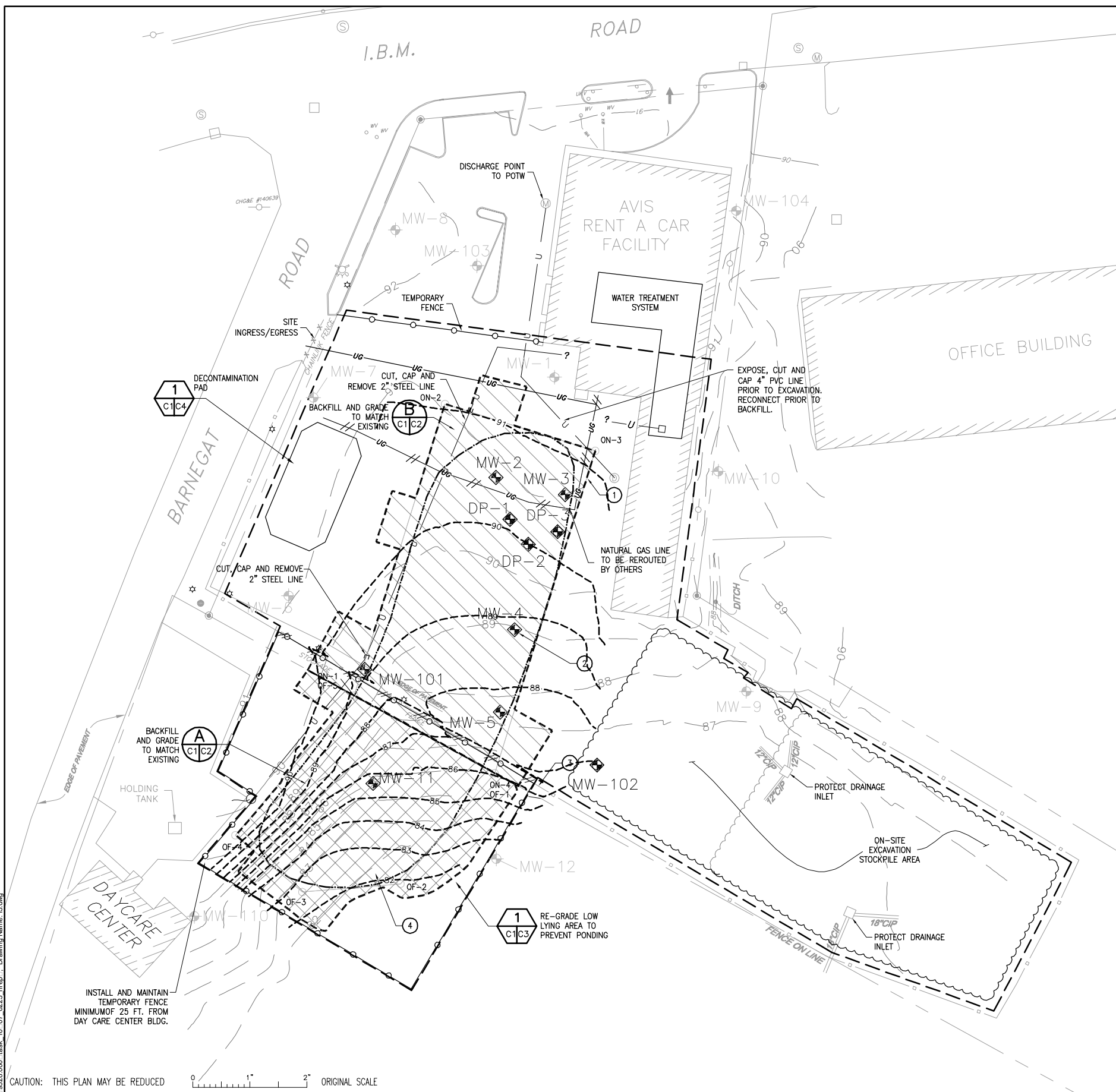
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 Geomatrix Engineering, LLC
 90 B John Muir Drive, Ste. 104
 Amherst, New York 14228
 (716) 565-0624

INTERIM REMEDIAL MEASURE - AS BUILT
FORMER DRIVE & PARK, INC. SITE
TOWN OF POUGHKEEPSIE, NEW YORK

EXISTING SITE LAYOUT

| | |
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| DATE: | 12-18-06 |
| SCALE: | 1" = 30' |
| SHEET: | 2 OF 6 SHEETS |
| PROJ No: | 9328.000 |
| | 12 |

Plot Date: 03/26/07 - 9:06am; Plotted by: jgrad; Drawing Path: S:\9300_9328_9328.000_task_10_07_0223_rrep_1_drawing Name: 12.dwg

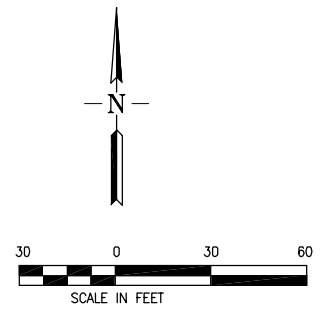


| EXCAVATION LIMITS | | |
|-------------------|------------|-----------|
| CONTROL POINT | NORTHING | EASTING |
| ON-1/OF-5 | 1026504.68 | 646721.02 |
| ON-2 | 1026658.01 | 646768.80 |
| ON-3 | 1026633.30 | 646847.83 |
| ON-4/OF-1 | 1026463.93 | 646794.93 |
| OF-2 | 1026405.72 | 646745.51 |
| OF-3 | 1026401.44 | 646693.85 |
| OF-4 | 1026431.23 | 646658.68 |

- LEGEND**
- APPROXIMATE KNOWN EXTENT OF SEPARATE-PHASE RESIDUAL PETROLEUM
 - APPROXIMATE EXTENT OF ON-SITE EXCAVATION. (EXCAVATE TO 9'-13" BGS, BASED ON CONDITIONS OBSERVED BY ENGINEER). AS-BUILT DEPTH = 13'-15' BGS.
 - APPROXIMATE EXTENT OF OFF-SITE EXCAVATION. (EXCAVATE TO 3'-7" BGS, BASED ON CONDITIONS OBSERVED BY ENGINEER). AS-BUILT DEPTH = 8'-15' BGS.
 - OF-2 SURVEY CONTROL POINT
 - MONITORING WELL TO BE DEMOLISHED DURING EXCAVATION
 - MW-2
 - TEMPORARY 6' TALL CHAIN LINK FENCE
 - FENCE (REMOVED AND REPLACED)
 - STOCKPILE AREAS
 - EXTENT OF EXCAVATION - AS BUILT
 - TOPOGRAPHIC CONTOUR, FINISHED GRADE, ELEVATION IN FEET - AS BUILT
 - ABANDONED UNDERGROUND GAS LINE

- KEY NOTES**
- ON-SITE EXCAVATION TO BE PARTIALLY SHORED. SHORING DESIGNED BY OTHERS, AND SUPPLIED AND INSTALLED BY CONTRACTOR. SEE EXCAVATION PROTECTION PLAN FOR SHORING EXTENT, TYPE, AND INSTALLATION DETAILS.
 - MONITORING WELLS ARE 4-INCH DIAMETER AND ARE AVAILABLE TO CONTRACTOR DEWATERING OPERATIONS. WHEN ENCOUNTERING A MONITORING WELL DURING EXCAVATION, CONTRACTOR IS TO CUT MONITORING WELL TO MATCH THE BOTTOM OF THE EXCAVATION, AND FILL REMAINING DEPTH OF WELL WITH GROUT. GROUT SHALL CONSIST OF TYPE 1 PORTLAND CEMENT WITH FOUR PERCENT BENTONITE BY WEIGHT.
 - REMOVE FENCE PRIOR TO EXCAVATION, REPLACE AFTER COMPLETING OFF-SITE EXCAVATION. CONTRACTOR SHALL REPLACE REMOVED FENCE WITH A NEW 8-FOOT STEEL CHAIN LINK FENCE EQUIPPED WITH PLASTIC SLATS.
 - OFF-SITE EXCAVATION WILL BE RE-VEGETATED BY OTHERS AT A LATER DATE. CONTRACTOR TO PLACE TEMPORARY EROSION CONTROL MATERIALS ON SURFACE OF EXPOSED TOPSOIL AFTER BACKFILLING AS SHOWN ON SHEET C3.

- NOTES**
- THE WORK SHALL BE CONDUCTED IN TWO PHASES. THE OFF-SITE EXCAVATION SHALL TAKE PLACE FIRST. ON-SITE EXCAVATION ACTIVITIES MAY BE PERFORMED CONCURRENTLY WITH OFF-SITE EXCAVATION ACTIVITIES, AS LONG AS ON-SITE EXCAVATION ACTIVITIES DO NOT IMPEDE THE PROGRESS OF THE OFF-SITE EXCAVATION.
 - CONTRACTOR SHALL CLEAR AND GRUB EXCAVATION EXTENT IN ACCORDANCE TO STATE AND LOCAL REGULATIONS AND SPECIFICATIONS. ALL TREES WITHIN THE EXCAVATION EXTENT AND OFF-SITE GRADING AREA WILL BE REMOVED PRIOR TO EXCAVATION. THE CONTRACTOR SHALL AVOID, AS FAR AS PRACTICAL, DAMAGE TO SHRUBBERY, PLANTS, GRASSES, AND OTHER VEGETATION OUTSIDE OF THE LIMITS OF WORK.
 - DEWATERING, TREATMENT, AND DISCHARGE TO SANITARY SEWER TO BE PERFORMED BY CONTRACTOR. SEE THE SPECIFICATIONS FOR EFFLUENT FLOWRATE AND CHEMICAL CONCENTRATION LIMITS.
 - CONTRACTOR MAY PLACE TREATMENT SYSTEM EQUIPMENT INSIDE BUILDING UPON APPROVAL BY ENGINEER.
 - STOCKPILE LOCATIONS, SITE EGRESS/INGRESS, LOADING ZONE, ETC., ARE APPROXIMATE AND SUBJECT TO CHANGE BASED ON FIELD CONDITIONS AND FACILITY REQUIREMENTS.
 - EXCAVATED SOIL SHALL BE STOCKPILED ON-SITE ONLY AS LONG AS NECESSARY TO PROFILE THE SOIL BEFORE OFFHAUL.
 - AT THE END OF EACH SHIFT, ALL STOCKPILES SHALL BE COVERED WITH A WEIGHTED POLYETHYLENE LINER PER THE SPECIFICATIONS TO MINIMIZE DUST OR VAPORS FROM THE STOCKPILE.
 - IN ADDITION TO WHAT IS SHOWN ON THE DRAWINGS, CONTRACTOR SHALL INSTALL FENCING, WALKWAYS, TRAFFIC CONTROLS, AND OTHER MEASURES AS NECESSARY TO PROTECT PEDESTRIAN AND VEHICULAR TRAFFIC IN THE VICINITY OF THE SITE.
 - THE OFF-SITE EXCAVATION WORK WILL BE TAKING PLACE AT AN ACTIVE CHILD DAYCARE FACILITY. CONTRACTOR IS TO MAINTAIN TEMPORARY FENCES AND OTHER SITE CONTROL MEASURES TO ENSURE THE SAFETY OF DAYCARE CENTER PERSONNEL AND OCCUPANTS.



| REFERENCES: | NO. | REVISION | DATE | APRVD |
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| PLANS | | AS BUILT | 09/30/06 | |
| DATUM | | | | |

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| DRAWN | JDG |
| DESIGNED | SNJ |
| CHECKED | ADC |
| REVIEWED | KRM |
| | 68079 |

Avis Rent A Car System, Inc.
 6 Sylvan Way
 Parsippany, New Jersey 07054

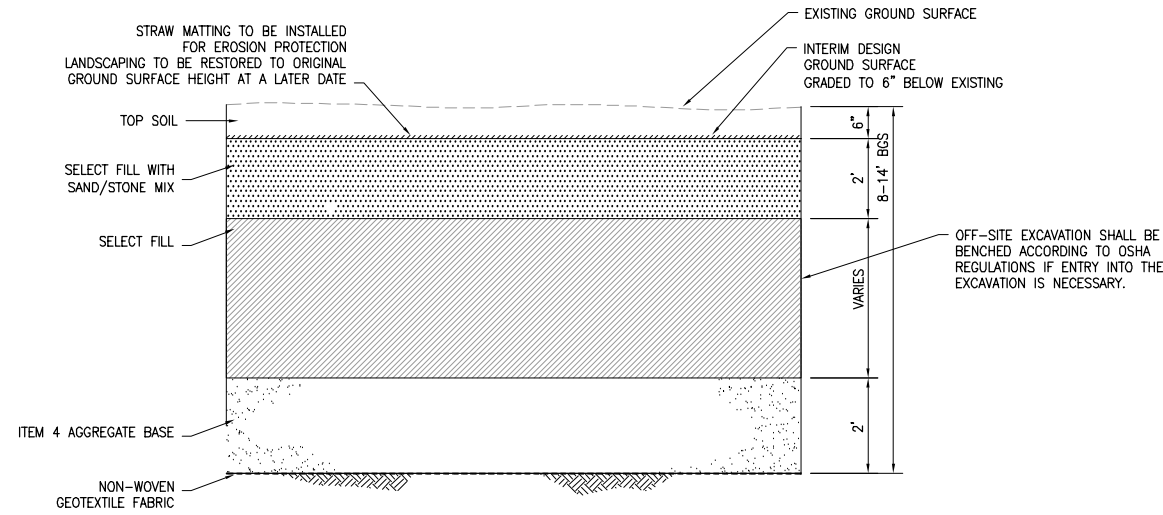
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INTERIM REMEDIAL MEASURE - AS BUILT
FORMER DRIVE & PARK, INC. SITE
TOWN OF POUGHKEEPSIE, NEW YORK

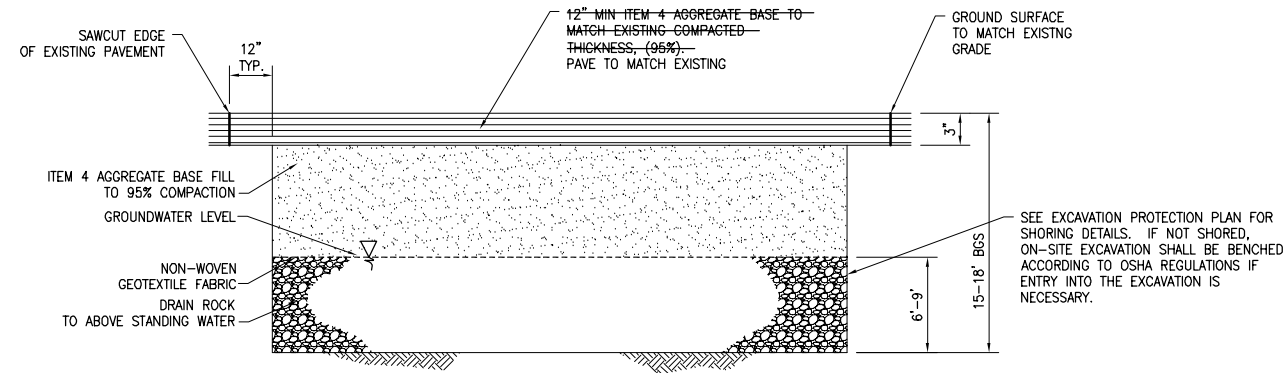
EXCAVATION PLAN

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| SCALE: | 1" = 30' |
| SHEET: | 3 OF 6 SHEETS |
| PROJ No: | 9328.000 |
| | 13 |

Plot Date: 03/26/07 - 9:06am; Plotted by: jgrad; Drawing Path: S:\9300_9328_9328.000_task_10_07_0223.rvt; Drawing Name: 13.dwg



A OFF-SITE BACKFILL, TYP.
C1/C2 N.T.S.



B ON-SITE BACKFILL, TYP.
C1/C2 N.T.S.

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ORIGINAL SCALE

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| PLANS | | AS BUILT | 09-30-06 | |
| DATUM | | | | |

DRAWN: JDG
DESIGNED: SNJ
CHECKED: ADC
REVIEWED: KRM 68079

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INTERIM REMEDIAL MEASURE - AS BUILT
FORMER DRIVE & PARK, INC. SITE
TOWN OF POUGHKEEPSIE, NEW YORK

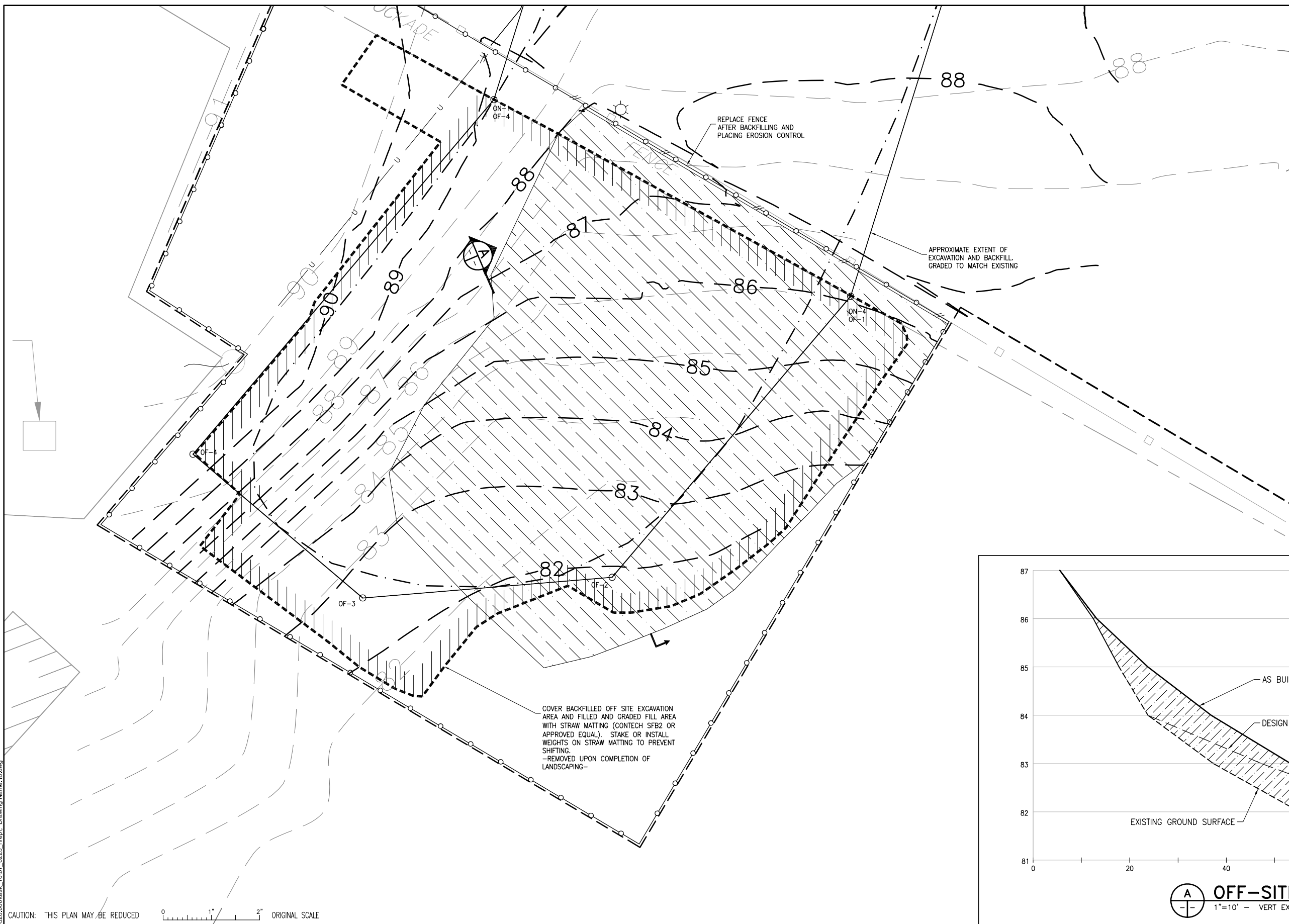
BACKFILL DETAILS

DATE: 12-18-06

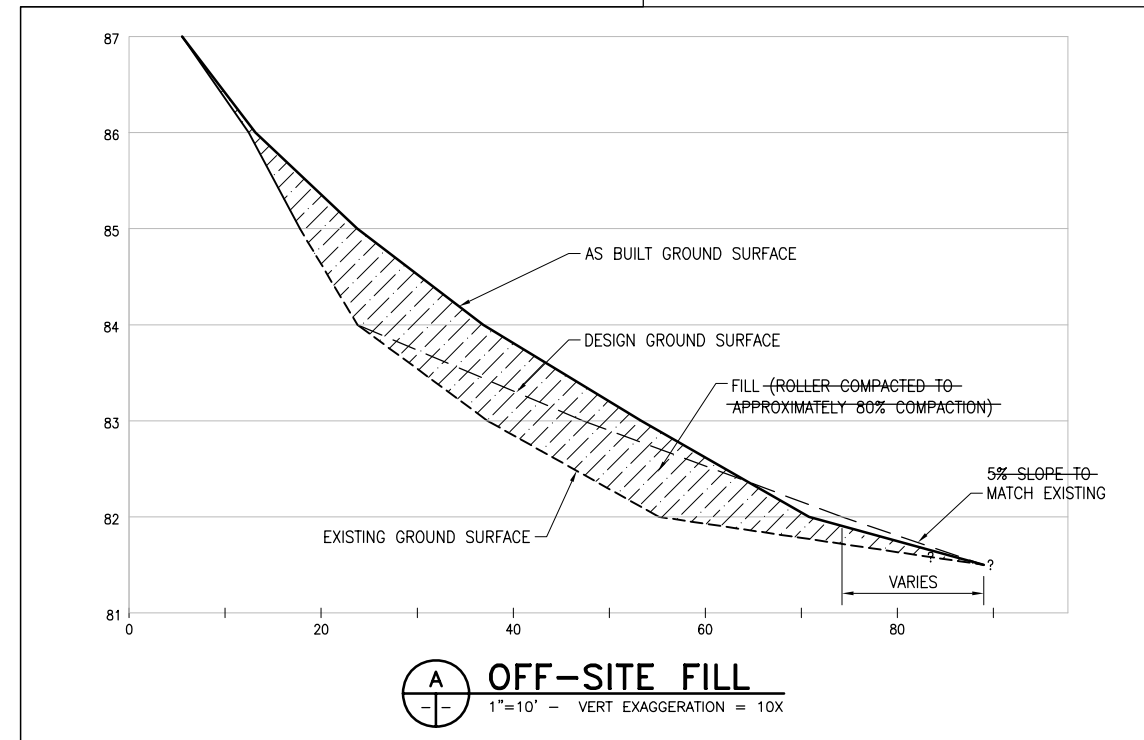
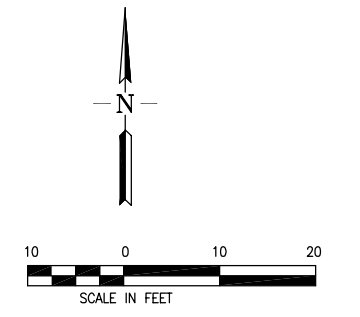
SCALE: SEE DRAWING

SHEET: 4 OF 6 SHEETS

PROJ No:
9328.000



- LEGEND**
- LIMITS OF WORK
 - APPROXIMATE FILL AREA - AS BUILT
 - EXISTING SURFACE CONTOUR (ELEV. IN FEET)
 - DESIGN SURFACE CONTOUR (ELEV. IN FEET)
 - TOPOGRAPHIC CONTOUR, FINISHED GRADE (ELEVATION IN FEET) - AS BUILT
 - APPROXIMATE KNOWN EXTENT OF SEPARATE-PHASE RESIDUAL PETROLEUM
 - LIMITS OF EXCAVATION - AS BUILT
 - TEMPORARY FENCING USED DURING OFF-SITE CONSTRUCTION
- NOTES**
- CONTRACTOR SHALL CLEAR AND GRUB FILL AREA PRIOR TO FILL IN ACCORDANCE TO STATE AND LOCAL REGULATIONS AND THE SPECIFICATIONS.
 - FINAL GRADING OF OFF SITE EXCAVATION AND FILL AREA SHALL NOT RESULT IN THE PONDING OF SURFACE WATER.
 - CONTRACTOR SHALL PREVENT DAMAGE TO SHRUBBERY, PLANTS, GRASSES, AND OTHER VEGETATION OUTSIDE OF THE LIMITS OF WORK.
 - EROSION CONTROL EQUIPMENT TO BE REMOVED BY OTHERS DURING LANDSCAPING RESTORATION AT A LATER DATE.



| NO. | REVISION | DATE | APRVD |
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| DESIGNED | SNJ |
| CHECKED | ADC |
| REVIEWED | KRM |
| | 68079 |

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6 Sylvan Way
Parsippany, New Jersey 07054

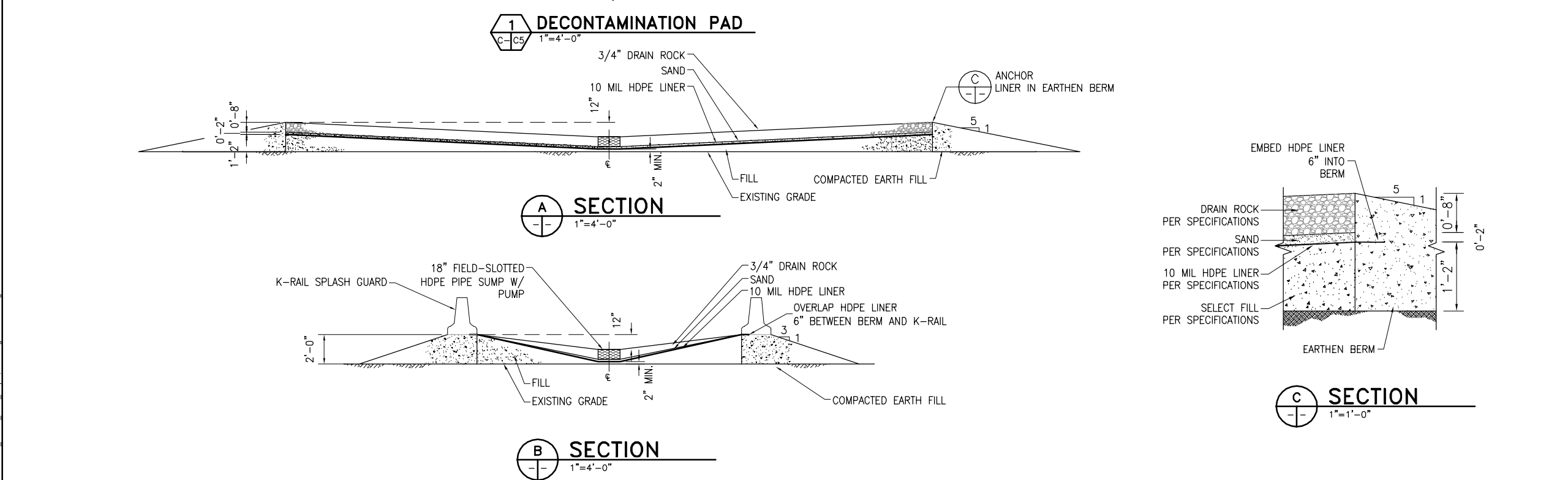
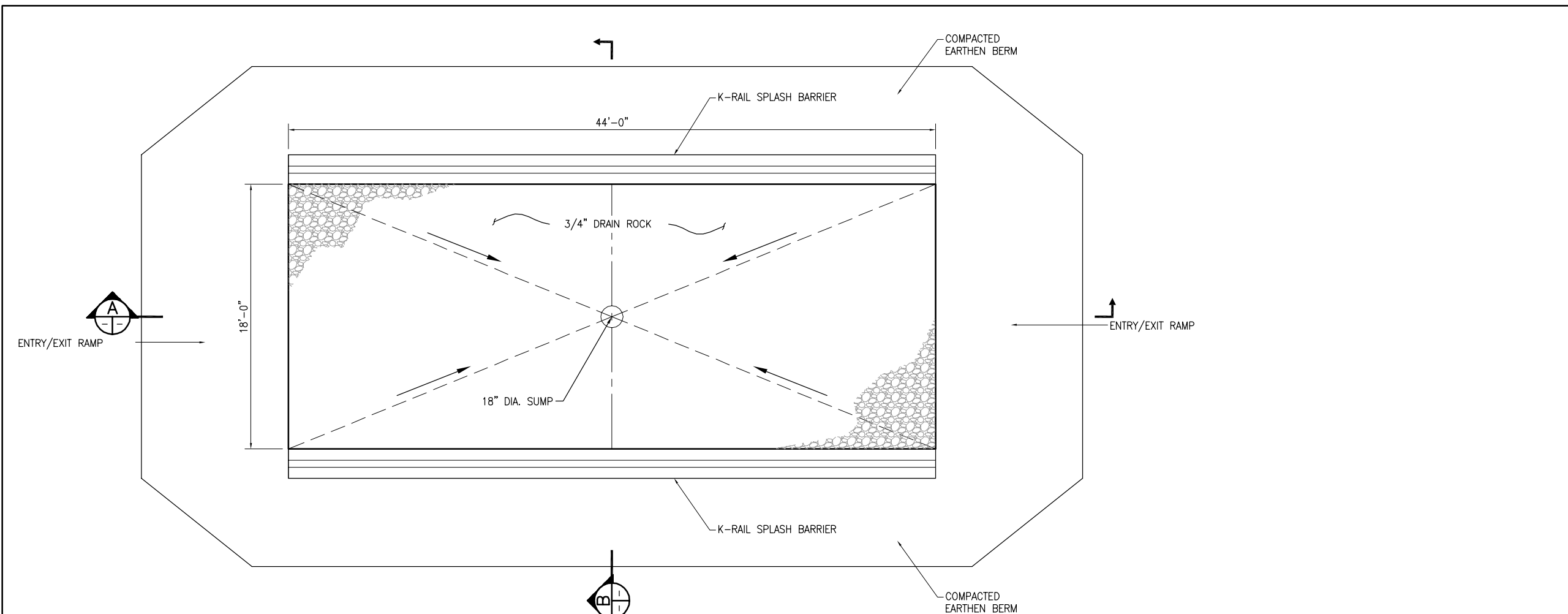
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INTERIM REMEDIAL MEASURE - AS BUILT
FORMER DRIVE & PARK, INC. SITE
TOWN OF POUGHKEEPSIE, NEW YORK

OFF-SITE RESTORATION PLAN

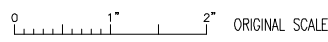
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| SHEET: | 5 OF 6 SHEETS |
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| | 15 |

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- NOTES**
1. CONTRACTOR MAY, UPON APPROVAL OF ENGINEER, ALTER DIMENSIONS AND CONSTRUCTION DETAILS OF DECONTAMINATION PAD BASED ON FIELD CONDITIONS.
 2. REUSABLE SOIL, IMPORT MATERIAL, DRAIN ROCK, AND SAND SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS.
 3. CONTRACTOR SHALL PERFORM OPERATIONS AND MAINTENANCE ON DECONTAMINATION PAD AS NECESSARY FOR PROPER OPERATION.
 4. CONTRACTOR SHALL PUMP DECONTAMINATION PAD SUMP CONTENTS TO DEWATERING TREATMENT SYSTEM.
 5. DECON PAD REMOVED BY CONTRACTOR UPON COMPLETION OF WORK.

CAUTION: THIS PLAN MAY BE REDUCED



| REFERENCES: | NO. | REVISION | DATE | APRVD |
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| PLANS | | AS BUILT | 12/05/05 | |
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| DRAWN | JDG |
| DESIGNED | SNJ |
| CHECKED | ADC |
| REVIEWED | KRM |
| | 68079 |

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6 Sylvan Way
Parsippany, New Jersey 07054

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Geomatrix Engineering, LLC
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Amherst, New York 14228
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INTERIM REMEDIAL MEASURE - AS BUILT
FORMER DRIVE & PARK, INC. SITE
TOWN OF POUGHKEEPSIE, NEW YORK

DECONTAMINATION PAD

| | |
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| DATE: | 12-18-06 |
| SCALE: | SEE DRAWING |
| SHEET: | 6 OF 6 SHEETS |
| PROJ No: | 9328.000 |
| | 16 |

Plot Date: 03/26/07 - 9:08am; Plotted by: jgrah; Drawing Path: S:\9300_9328_9328.000_task_10_07_0223_r.rpt; Drawing Name: 16.dwg

APPENDIX J

Buried Container Removal

APPENDIX J
BURIED CONTAINER REMOVAL
Former Drive & Park, Inc., Site
Brownfield Cleanup Program #C314111
28 IBM Road
Town of Poughkeepsie
Dutchess County, New York

1.0 INTRODUCTION

Four containers were unearthed during implementation of the interim remedial measure excavation at the Former Drive & Park, Inc., Site (the site), on Friday, February 24, 2006. The containers were buried 3 to 4 feet below ground surface, approximately 20 feet west of the eastern on-site excavation boundary and approximately 40 feet north of the site property boundary. The former location of the buried containers is shown on Figure 11 of the main report. Descriptions of each container and post-excavation container handling are presented below. All four containers were crushed and had numerous tears and holes and moderate corrosion. The original orientation of the containers in the subsurface is unknown, as the containers were discovered while being unearthed by heavy equipment.

1.1 INDIVIDUAL CONTAINER DESCRIPTIONS

1.1.1 Container #1

The approximate size of container #1 was 55 gallons. A plugged fill port was located at one end of the container. The words “E.L. DuPont De Mourse & Co. Inc.” and “Wilmington, Del” were visible along the top of the container. The DuPont company logo was also visible on the lid.

A small volume of liquid (less than 250 milliliters) was observed inside container #1 during removal. The liquid had a strong odor, which seemed to be different from the characteristic degraded petroleum odor observed in soil excavated from the site. The liquid appeared to be non-aqueous. Geomatrix collected a sample of the liquid for laboratory analysis for volatile organic compounds (VOCs) by EPA Method 8260B, polychlorinated biphenyls (PCBs) by EPA Method 8082, metals (arsenic, beryllium, cadmium, lead, nickel, and zinc) by EPA Method 6010B, mercury by EPA Method 7471A, and semi-volatile organic compounds (SVOCs) using EPA Method 8270C. Analytical results of the container residual liquid contents are presented in Table J-1, and laboratory analytical reports are included in

Appendix L of the main report. The liquid was found to be composed primarily of toluene (51%), acetone (23%), m,p-xylene (5.4%), and methyl-isobutyl ketone (5%).

1.1.2 Container #2

The approximate size of container #2 was 55 gallons. A plugged fill port was located at one end of the container. No writing or labeling was visible on the container. No liquid was present in the container when it was excavated.

1.1.3 Container #3

The approximate size of container #3 was 55 gallons. There were no visible fill ports or other fittings. No writing or labeling was visible on the container. No liquid was present in the container when it was excavated.

1.1.4 Container #4

The approximate size of container #4 was 5 to 10 gallons. There were no visible fill ports or other fittings. No writing or labeling was visible on the container. There was no liquid present in the container when it was excavated.

1.1.5 Soil Sampling

Three soil samples were collected from the excavation floor near the horizontal location where Container #1 was encountered and analyzed for volatile organic compounds using EPA Method 8260B. Analytical results for all three samples were below TAGM 4046 cleanup goals.

1.2 POST-EXCAVATION CONTAINER HANDLING

All four containers were securely wrapped in 6-mil plastic sheeting immediately after being unearthed on February 24, 2006. On March 24, 2006, all four containers were placed in over-pack containers. Containers #1, #2, and #3 were placed in individual 85-gallon over-pack containers, and container #4 was placed in a 30-gallon over-pack container. The over-packed containers were transported under manifest on June 21, 2006 by Op-Tech to Op-Tech's waste transfer facility in Waverly, New York. The containers were disposed of at the Cycle Chem, Inc., facility in Lewisberry, Pennsylvania, on June 26, 2006.

TABLE J-1

SUMMARY OF EXCAVATED CONTAINER LIQUID ANALYTICAL RESULTS

Former Drive & Park, Inc. Site
 28 IBM Road
 Poughkeepsie, New York

All results in micrograms per liter (ug/L)

| Sample Identification | Sample Location | Date Collected | Benzene | Toluene | Ethyl benzene | m,p-Xylenes | o-Xylene | MTBE | ETBE | TBA | TAME | Other |
|-----------------------|---------------------|----------------|------------|--------------------|---------------|-------------------|-------------|-------------|-------------|--------------|-------------|--|
| Unknown-022406 | Excavated Container | 2/24/2006 | <3,500,000 | 510,000,000 | <25,000,000 | 54,000,000 | <25,000,000 | <25,000,000 | <25,000,000 | <500,000,000 | <50,000,000 | Acetone 230,000,000 4-Methyl,2-pentanone 50,000,000 |

Abbreviations:

< = Not detected at or above the reporting limit shown.

"BOLD" = Detected concentration

APPENDIX K

Chemical Analysis Quality Assurance Evaluation

APPENDIX K CHEMICAL ANALYSIS QUALITY ASSURANCE EVALUATION

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| 1.0 | Introduction..... | 1 |
| 2.0 | Analytical Methods..... | 2 |
| 3.0 | Data Quality Review Procedures..... | 2 |
| 3.1 | Data Accuracy..... | 2 |
| 3.1.1 | Laboratory Control Samples..... | 2 |
| 3.1.2 | Matrix Spike Samples..... | 3 |
| 3.1.3 | Laboratory Surrogate Compounds..... | 3 |
| 3.1.4 | Trip Blanks..... | 3 |
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| Table K-2 | Data Qualifier Definitions |

APPENDIX K

CHEMICAL ANALYSIS QUALITY ASSURANCE EVALUATION

Former Drive & Park, Inc. Site
Brownfield Cleanup Program #C314111
28 IBM Road
Town of Poughkeepsie
Dutchess County, New York

1.0 INTRODUCTION

This appendix presents the results of the data quality review for the chemical analyses of samples collected by Geomatrix for this project. The samples of soil, buried container contents, and extracted groundwater collected during the interim remedial measure implementation were analyzed by Adirondack Environmental Services of Albany, New York. Soil and grab groundwater samples collected pre- and post-excavation for site investigations were analyzed by ESS Laboratory of Cranston, Rhode Island. Perimeter air monitoring samples collected during the excavation were analyzed by Severn Trent Laboratories, Inc. (STL) of Santa Ana, California. Topsoil samples were analyzed by STL of Newburgh, New York, Buffalo, New York, and Pleasanton, California. All laboratories used are Environmental Laboratory Accreditation Program (ELAP)-certified analytical laboratories.

To obtain representative field and laboratory data, consistent data collection procedures were used. Equipment used to collect field data was maintained and calibrated prior to use according to the manufacturer's instructions and using known standards. Data comparability was attained by following the established Geomatrix protocols for sample collection and by recording field and laboratory data in consistent units.

Quality assurance (QA) procedures for soil, grab groundwater, and perimeter air sampling at the site were adopted to assist in the evaluation of data quality. Analytical data were evaluated by Geomatrix, in general accordance with the National Functional Guidelines for Organic Data Review¹ and for Inorganic Data Review² (National Functional Guidelines). The results of the review are reflected in the respective data

¹ U.S. Environmental Protection Agency, 1999, Contract Laboratory Program National Functional Guidelines for Organic Data Review, OSWER 9240.1-05A-P, PB99-963506, EPA 540/R-99-008, October.

² U.S. Environmental Protection Agency, 2004, Contract Laboratory Program National Functional Guidelines for Inorganic Data Review Final, Office of Emergency and Remedial Response, July.

summary tables (Tables 6 and 9 through 13) in the main report. Copies of the laboratory reports are included in Appendixes G and L of the main report.

2.0 ANALYTICAL METHODS

The chemical analytical program included the following methods:

- Volatile organic compounds (VOCs) by Environmental Protection Agency (EPA) Method 8260B;
- Polychlorinate Biphenyls (PCBs) by EPA Method 8082;
- Total petroleum hydrocarbons as gasoline and diesel by EPA Method 8015M;
- Metals by EPA Method 6010;
- Semi-volatile organic compounds (SVOCs) by EPA Method 8270C;
- Organochlorine pesticides by EPA Method 8081A;
- Mercury by EPA Method 7471A; and
- Herbicides by EPA Method 8151.

3.0 DATA QUALITY REVIEW PROCEDURES

The purpose of the quality assurance procedures is to assess the quality of the data by evaluating the accuracy, precision, and completeness of the data. The field QA samples included trip blanks and matrix spike/matrix spike duplicate (MS/MSD) samples. The laboratory analyzed method blanks, laboratory control samples/laboratory control sample duplicate (LCS/LCSD), and surrogate spike samples to provide internal quality control. All of the data generated were assessed for accuracy, precision, and completeness. Results of the QA evaluation are presented below.

3.1 DATA ACCURACY

Data accuracy is assessed by the analysis of LCS and MS samples, and is expressed as percent recoveries of the true or known concentrations. Surrogate recoveries and blank results may also be used to assess accuracy.

3.1.1 Laboratory Control Samples

Laboratory control samples contain known concentrations of the analytes of concern and are prepared by the laboratory or a reliable source. They are subject to the same

preparation/extraction procedures as the project samples and are prepared independently of calibration standards. LCS recovery results are used to check the accuracy of the analytical methods and equipment. LCS analyses were conducted at least once per each analytical batch. LCS recovery results are compared to laboratory-specified limits. Some LCS recoveries were outside their respective limits, and the associated primary analytical results were flagged as appropriate in accordance with the National Functional Guidelines. The qualified data are reflected in the data summary tables in the main report.

3.1.2 Matrix Spike Samples

A matrix spike is an aliquot of a project sample to which the analytical laboratory adds a known quantity of a compound prior to extraction/digestion and analysis. The reported percent recovery of the known compound in the sample indicates the presence or absence of matrix effects which may affect the accuracy of the analytical results. MS analyses were performed at least once per analytical batch, with a minimum of one for every 20 samples. Some MS/MSD recoveries were outside their respective limits, and the associated primary analytical results were flagged as appropriate in accordance with the National Functional Guidelines. The qualified data are reflected in the data summary tables in the main report.

3.1.3 Laboratory Surrogate Compounds

A surrogate spike is the addition to a sample of a known concentration of an organic compound that is not expected to be a compound of concern in the sample. Every blank, QC sample, and project sample was spiked as specified by the analytical method. The recovery of the surrogate is used to indicate the possible presence of systematic extraction problems and to evaluate laboratory data accuracy. Surrogate recoveries should fall within the limits set by the laboratory in accordance with the procedures specified by the analytical method. Some surrogate recoveries were outside their respective limits, and the associated primary analytical results were flagged as appropriate in accordance with the National Functional Guidelines. The qualified data are reflected in the data summary tables in the main report.

3.1.4 Trip Blanks

A trip blank is a laboratory-prepared sample of de-ionized and/or organic free water that accompanies samples from the field to the laboratory. Trip blank analyses provide an

indication as to whether volatile organic compounds may have entered sample containers during transport from and to the laboratory.

Four trip blanks (associated with the dewatering treatment system samples collected on January 4, 24, 31, and February 16, 2006) were submitted to Adirondack Environmental Services for volatile organic compound analysis using EPA Method 8260B. No volatile organic compounds were detected in the trip blanks at or above the respective laboratory reporting limits, with the exception of methylene chloride at concentrations just above the 5.0 micrograms per liter ($\mu\text{g/L}$) reporting limit in the trip blanks associated with the January 24 and 31 and February 16, 2006 sampling events (Table K-1). Methyl chloride results for some of the primary samples were qualified in accordance with the National Functional Guidelines. Data qualifiers are included in the data summary tables in the main report.

3.1.5 Laboratory Method Blanks

Laboratory method blanks are laboratory-prepared samples of de-ionized and/or organic free water that are carried through the analytical procedure and are used to measure laboratory data accuracy. The blank serves as a check for laboratory contamination during preparation and analysis of the samples. At least one method blank was prepared and analyzed for each analytical batch. Compounds were detected in the method blanks at or above the respective laboratory reporting limits, and data qualification was required in these instances. The qualified data are reflected in the data summary tables in the main report.

3.2 DATA PRECISION

Data precision is evaluated by comparing analytical results from duplicate samples. The LCS/LCSD and MS/MSD samples were analyzed to evaluate the precision of the analytical methods.

3.2.1 LCS/LCSD

A laboratory control sample duplicate (LCSD) is an aliquot of the laboratory control sample that is analyzed separately. Comparison of the LCS and LCSD results indicate the precision of the analytical method for that analytical batch. LCS/LCSD analyses were conducted at least once per each analytical batch. LCS/LCSD results are compared to laboratory-specified limits. Some relative percentage differences were greater than their respective limits, and the associated primary analytical results were flagged as

appropriate in accordance with the National Functional Guidelines. The qualified data are reflected in the data summary tables in the main report.

3.2.3 MS/MSD

A matrix spike duplicate (MSD) is an aliquot of the matrix spike sample that is analyzed separately. Comparison of the MS and MSD results indicate the precision of the analytical method for that analytical batch. MS/MSD analyses were performed at least once per analytical batch, with a minimum of one for every 20 samples. MS/MSD results are compared to laboratory-specified limits. Some RPDs were greater than their respective limits, and the associated primary analytical results were flagged as appropriate in accordance with the National Functional Guidelines. The qualified data are reflected in the data summary tables in the main report.

3.3 DATA COMPLETENESS

Completeness refers to the amount of valid data obtained from a prescribed measurement system during the course of the project, as compared with that expected and required to meet project goals. The data generated during this investigation have been reviewed by the project manager and are considered to be complete.

4.0 SUMMARY OF DATA QUALITY REVIEW

Data verification was documented for each laboratory report using organic and inorganic data assessment summary checklists that are consistent with the examples in the National Functional Guidelines. Where data qualification was required, the appropriate data flag was included in the summary tables in the main report and also was marked on the original laboratory report (see Appendixes G and L). The EPA data qualifier definitions are presented in Table K-2.

Overall, the results of the quality assurance evaluation indicate that the chemical analysis data are valid and useable. All qualified data can be used for decision-making purposes, with the exception of the rejected data. However, the limitations identified by the data qualifiers should be considered when using the data.

TABLE K-1**SUMMARY OF TRIP BLANK RESULTS****Former Drive & Park, Inc. Site****28 IBM Road****Poughkeepsie, New York**Concentrations in micrograms per liter ($\mu\text{g/L}$)

| Sample ID | Sample Date | Methyl Chloride |
|------------------|--------------------|------------------------|
| Trip Blank | 1/4/06 | <5.0 |
| Trip Blank | 1/24/06 | 5.7 |
| Trip Blank | 1/31/06 | 5.9 |
| Trip Blank | 2/16/06 | 5.5 |

Notes:

Trip blank samples were analyzed for the same volatile organic compounds as the primary samples. All other volatile organic compounds not shown in this table were not detected at or above their respective reporting limits.

Abbreviations:

"<" indicates analyte not detected at or above laboratory reporting limit shown

TABLE K-2
DATA QUALIFIER DEFINITIONS
 Former Drive & Park, Inc. Site
 28 IBM Road
 Poughkeepsie, New York

| Qualifier | Explanation of Qualifier |
|--|---|
| <i>Organic Analyses</i>¹ | |
| U | The compound was analyzed for, but was not detected above the reported sample quantitation limit. |
| J | The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample. |
| N | The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”. |
| NJ | The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration. |
| UJ | The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample. |
| R | The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified. |
| <i>Inorganic Analyses</i>² | |
| U | The analyte was analyzed for, but was not detected above the reported sample quantitation limit. |
| J | The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample. |
| J+ | The result is an estimated quantity, but the result may be biased high. |
| J- | The result is an estimated quantity, but the result may be biased low. |
| UJ | The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise. |
| R | The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample. |

Notes:

- 1 USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, USEPA 540-R-99-008, October 1999.
- 2 USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, USEPA 540-R-01-008, July 2002.