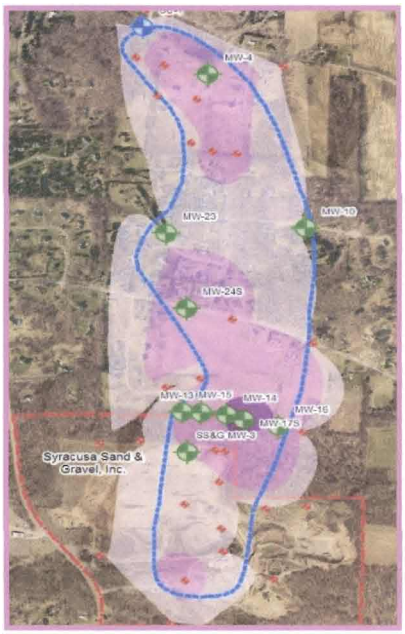
Groundwater Monitoring Event Report

Modock Road Springs
DLS Sand and Gravel, Inc. Site
Victor, New York
(NYSDEC HW ID 8-35-013)



Prepared For:

Mark Syracusa and Scott Syracusa
Syracusa Sand and Gravel, Inc.
1389 Malone Road
Victor, New York 14564

Prepared By:

TriTech
Environmental Health and Safety, Inc.

April 2012

TriTech
Environmental Health and Safety, Inc.

April 3, 2012

Mr. Jason M. Pelton
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233-7013

Re: Modock Road Springs
DLS Sand and Gravel, Inc. Site
Victor, New York
(Department HW ID 8-35-013)

Dear Jason:

On behalf of Syracusa Sand and Gravel, Inc., enclosed is the 2011 Groundwater Monitoring Report for the above-referenced Site, including our findings, conclusions and recommendations, for the groundwater sampling event that TriTech Environmental Health & Safety, Inc. (TriTech) completed on October 30, 31 and November 1, 2011. This report also includes the data from the confirmation sampling event completed on December 28, 2011.

A copy of all information collected, including photographs, videos, analytical data, maps and field notes will be kept on file at the offices of TriTech. This information will be available at your request.

If you should have any questions, please do not hesitate to contact our office.

Sincerely,

TriTech Environmental Health & Safety, Inc.

Mary Joy DelConte, MS, CEA, REM
President

Enclosure

cc: Mark Syracusa, SS&G
Tom Walsh/Hiscock & Barclay LLP

2011 GROUNDWATER MONITORING REPORT

MODOCK ROAD SPRINGS
DLS SAND AND GRAVEL, INC. SITE
VICTOR, NEW YORK
(DEPARTMENT HW ID 8-35-013)

Prepared For:
Mark Syracusa and Scott Syracusa
Syracusa Sand and Gravel, Inc.
1389 Malone Road
Victor, New York 14564

Prepared By:
TriTech Environmental Health and Safety, Inc.
1100 University Avenue
Rochester, New York 14607

April 3, 2012

FIGURES

APPENDICES

1. STATEMENT OF QUALIFICATIONS

This 2011 Groundwater Monitoring Report and associated sampling and analyses of groundwater at the Modock Road Springs, DLS Sand and Gravel, Inc. Site (Department NW ID 8-35-013) located in Victor, New York was performed and this Report was prepared by qualified environmental professionals employed by TriTech Environmental Health and Safety, Inc. ("TriTech"). Our Statement of Credentials, including our Firm's Certification by the New York Statement Department of Economic Development as a Woman-Owned Business Enterprise qualified to provide services and products of this nature and Statement of Qualifications are attached in Appendix A.

2011 Groundwater Sampling and Report
Prepared By:

Mary Joy (MJ) DelConte, MS, CEA, REM
President

Date: April 3, 2012

2. INTRODUCTION AND PURPOSE

This 2011 Groundwater Monitoring Report summarizes the findings, conclusions and recommendations of groundwater sampling and analyses completed by TriTech Environmental Health & Safety, Inc. ("TriTech") during October, November and December 2011 at the Modock Road Springs DSL Sand and Gravel, Inc. Site located in Victor, New York. (ie, "Site," see Figure 1).

This Scope of Work was performed on behalf of Syracusa Sand and Gravel, Inc. ("SS&G") at the request of the New York State Department of Environmental Conservation ("Department") and in compliance with the applicable requirements of the DER-10 guidance.

The purpose of this Scope of Work was to:

1. Complete groundwater sampling and analyses of groundwater monitoring wells MW-4, MW-10, MW-13, MW-14, MW-15, MW-16, MW-17S, MW-23, MW-24S, SS&G MW-3, and SC-1 (ie, the spring water sample, see Figures 1 and 2); and
2. Perform, at the request of the Department, confirmation sampling and analyses of groundwater monitoring wells MW-13, MW-16 and MW-17S.

In preparation for this work, TriTech reviewed previous Site reports, including without limitation, the Record of Decision, the Feasibility Study Report, Table 3, Monitoring Well Information, of the June 30, 2008 Groundwater Monitoring Event, the June 29, 2010 Groundwater Sampling and Water Level Monitoring Event Chart, the Passive Diffusion Bag Groundwater Sampling Event Table concerning the August 10, 2010 Groundwater Monitoring Event, and the Historical Groundwater Result Trend Chart. The Historical Groundwater Result Trend Chart included the following Site-related chlorinated volatile organic compounds ("CVOCs"): Trichloroethene ("TCE"), 111-Trichloroethane ("TCA") and 1,1-Dichloroethene ("DCE").

Those historical field measurements and groundwater results are detailed in Appendix B and C. The historical field measurements summarized in Appendix B, include a calculated the thickness or length of groundwater within the screened interval below the top of casing ("TOC") and a calculated midpoint of the screened interval below ground surface ("bgs"). Appendix C summary also includes the results of the October, November and December 2011Groundwater Monitoring Event. In addition, attached as Appendix D is an updated version of the Historical Groundwater Result Trend Chart which now includes the results of the October, November and December 2011Groundwater Monitoring Event.

3. Field Methods, Sampling and Analyses

The following sections detail the field methods, and groundwater sampling and analyses methods completed.

3.1 Field Methods

The groundwater sampling method included obtaining passive diffusion bags ("PDBs") and weights from Columbia Analytical Services located in Rochester, New York. The placement of PDBs and weights occurred within 5 days of TriTech's receipt of PDBs and weights from Columbia Analytical Services.

The PDBs were deployed in groundwater monitoring wells MW-4, MW-10, MW-13, MW-14, MW-15, MW-16, MW-17S, MW-23, MW-24S, and SS&G MW-3 by the following standard methods. The depth to groundwater and groundwater level for each well was measured using a groundwater level meter and recorded. The groundwater level meter was decontaminated and wiped dry subsequent to each measurement. No other field measurements were required.

The length or number of feet of groundwater within the screened interval was calculated by subtracting the depth to the bottom of the screened interval from the measured depth to groundwater. The midpoint of the screened interval was calculated by dividing the total length of groundwater present in the screened interval by 2, and subtracting the length from the distance between the bottom of the groundwater and the TOC for each well. The length of the string attached to the PDB was tape measured to ensure that the placement of the PDB was 1 foot above the midpoint and 1 foot below the midpoint of the screened interval. The weight was attached directly to the PBD and the string was attached firmly at the top of the casing for each well by threading the string through the well cap loop and by duct taping the string to the exterior of the TOC for each well. Field equipment rented by TriTech was inspected and deemed uncontaminated. A new string was used during each PDB deployment.

The method of collection of groundwater in the vicinity of the spring was completed by submerging a clean jar provided by the Columbia Analytical Services and transferring it into vials. A photograph of the location of the spring sample is including in Figure 2.

The average length of groundwater present in groundwater monitoring well MW-13 has been approximately 0.5'. Therefore, the deployment of the PDB was placed as close to the bottom of the well as possible.

The length of screen for groundwater well SS&G MW-3 is unknown. Therefore, the PDB was placed at the midpoint of the groundwater within the well, measured from the depth of the well to groundwater compared to the depth of the groundwater.

The Department selected groundwater monitoring wells MW-13, MW-16 and MW-17S for re-sampling in December 2011 for the purposes of confirming the initial results of the October/November groundwater sampling and analyses event.

The placement of the PDBs was completed by the Department. The depth of the well and the depth to groundwater were measured by the Department using the water level meter rented by TriTech. The length of standing water was then calculated by the De-

partment and TriTech recorded these values. The midpoint of the groundwater column was calculated by subtracting the measured depth of the groundwater level from the total depth of the well, and dividing that length by 2. Weights were attached by the Department with some distance from the end of each PDB by affixing string and knotting it to each PDB end and to the weight and then deployed by the Department. Exact measurements of the length of string were not made with a tape measure. Rather, the distance was approximated.

TriTech video-taped the removal of PDBs and collection of samples relative to groundwater well confirmation sampling of MW-13, MW-16 and MW-17S. Videos were transferred to the enclosed CD.

All field measurements and daily weather conditions are summarized in the Summary of Field Measurements in Appendix E, including dates and times of deployment and sampling.

3.2 Field Observations

Groundwater monitoring wells MW-13, MW-14, MW-15, MW-16 and MW-17S were difficult to locate given that heavy vegetation that was present in the well location areas.

Locks for groundwater monitoring wells MW-14, MW-16, MW-17S were rusted and could not be opened on the first day that TriTech initiated its groundwater monitoring event. These locks were sprayed with a lubricant and hammered opened. No locks were present on SS&G MW-3 or MW-14 well enclosures. Further, although the lock for groundwater monitoring well MW-10 was observed as affixed to the enclosure, the top of the enclosure could still be opened and accessed without opening the lock. This groundwater monitoring well is located along on Surrey Lane adjacent to the Road.

Used bailers and old string were removed by TriTech from each well to prevent future cross-contamination and new string was used during deployment of PDBs.

Significant amounts of silt relative to the thickness groundwater was present in the screened interval at the bottom of groundwater monitoring wells MW-4 (approximately 3.12'), MW-15 (approximately 2.57'), MW-17S (approximately 1.49'), MW-14 (approximately 1.06') and MW-10 (approximately 0.89').

Groundwater extracted from PDBs and from the Spring was observed by TriTech. Groundwater appeared clear with no significant odor.

3.3 Sampling and Analyses

PDBs were removed by TriTech approximately 14 days subsequent to deployment and groundwater was poured into vials containing the required method preservative (ie, Hydrochloric Acid or "HCL") provided by Paradigm Environmental Services, Inc. immediately subsequent to PDB removal from each well. For the December sampling event, a video was made of the removal of the PDBs and the collection of samples from the PDBs relative to confirmation sampling of groundwater monitoring wells MW-13, MW-16 and MW-17S.

Groundwater sample vials were placed in a cooler on ice until delivered to Paradigm Environmental Services, Inc. using standard chain of custody procedures. Groundwater samples were analyzed by Paradigm Environment Services, Inc. by EPA Method 8260B and concentrations of CVOCs were determined and reported in analytical data sheets (see Appendix F).

TriTech summarized the results of groundwater sample analyses compared to Department groundwater limits specified in 6 NYCRR 703.5 ("Part 703 Groundwater Quality Standards"), including confirmation analyses of groundwater wells MW-13, MW-16 and MW-17S, in Appendix G.

4. Findings, Conclusions and Recommendations

4.1 Findings and Conclusions

A summary groundwater sample analyses compared to Part 703 Groundwater Quality Standards is included in Appendix G and reflected in the updated Historical Groundwater Result Trend Chart in Appendix D.

There is a downward trend in CVOC levels at the Site when concentrations from prior sampling events are compared to the 2011 sampling event (using the highest value from among the concentrations detected in each wells sampled during the October, November and December 2011). The concentrations of TCE, TCA and DCE in groundwater monitoring wells sampled, including in the Spring water sample, show similar or lower concentrations compared to historical data at all but two wells. For those two wells, MW-10 and MW-23, the concentrations of contaminants were still low, but marginally higher. The total concentrations of CVOCs in MW-10 rose from 4 ug/L to 21 ug/L while the total in MW-23 rose from 6 ug/L to 28 ug/L.

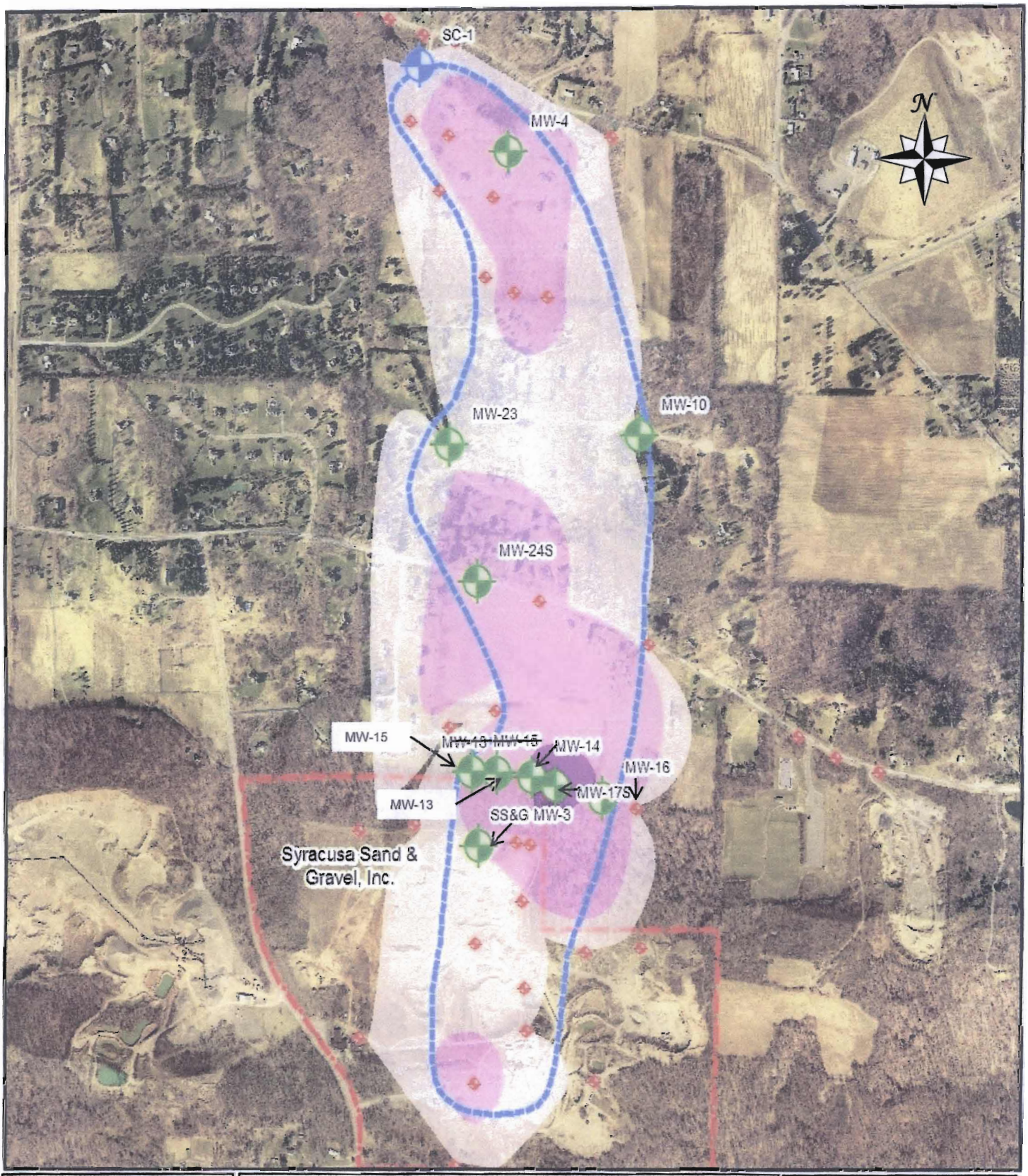
Among the concentrations detected during the October/November 2011 sampling and the December 2011 sampling, higher concentrations of contaminants were found in December. This variability may be attributable to one or more of the following: intervening changes to the groundwater column, variations in sampling technique, or vertical variations that can be found in wells with 10' to 15' screened intervals. Regardless of the noted variability in results, however, the trend in CVOCs at the Site remains downward.

4.2 Recommendations

We recommend that annual sampling be continued at MW-4, MW-10, MW-14, MW-15, MW-16, MW-17S, MW-23, MW-24S, SS&G MW-3, and SC-1. We recommend that the inclusion of MW-13 in the long term PDB monitoring be reconsidered given the inadequacy of groundwater present in the well.

We recommend that locks be placed on MW-13 and SS&G MW-3, and that the lock on MW-10 be reconfigured to ensure that when it is locked it cannot be accessed. Other Site management issues such as rusted locks and maintaining clearance of vegetation around groundwater wells can be addressed in the development of the Site Management Plan.

We recommend that the next annual groundwater sampling event be coordinated with a site visit by the Department to ensure that a consistent sampling method and procedure for the long term PDB monitoring, acceptable to the Department, is achieved.



TriTech
Environmental Health and Safety Inc
1100 University Ave.
Rochester, New York 14607
Tel: (585) 256-6211
Fax: (585) 256-6244

Figure 1

Site Sample Location Map
Modock Road Springs
DLS Sand and Gravel, Inc. Site
Victor, New York
(NYSDEC HW ID 8-35-013)

Date: February 2012

Scale: None

Drawn By: MJD

Photo Source:
NYSDEC (Undated)
MW-13 and MW-15 Location
Corrected by TriTech

TriTech
Environmental Health and Safety Inc
1100 University Ave.
Rochester, New York 14607
Tel: (585) 256-6215
Fax: (585) 256-6244

Figure 2

Location of Spring Sample SC-1 Collection Point
Modock Road Springs
DLS Sand and Gravel, Inc. Site
Victor, New York.
(NYSDEC Index ID 8-35-013)

Date: February 2012

Scale: None

Drawn By: MJD

Photo Source:
TriTech Photograph Taken
At Time of Sampling
1/31/11

Appendix A
Statement of Qualifications

Empire State Development

Original Letter Sent: 8/5/11
Amended Letter Sent: 8/22/11

Ms. Mary Joy Del Conte
TriTech Environmental Health & Safety Inc.
1100 University Avenue
Rochester, New York 14607

File ID: 45737

Dear Ms. Del Conte

On behalf of New York State Department of Economic Development, Division of Minority and Women's Business Development (DMWBD) has completed its review of your application for state certification as a **Women-Owned Business Enterprise** and has determined that your firm meets eligibility requirements for certification, pursuant to Executive Law, Article 15-A.

We are pleased to inform you that the firm of **TriTech Environmental Health & Safety Inc.** has been granted status as a **Women-Owned Business Enterprise**. Your business will be listed in the State's Directory of certified businesses with the following list of principal products or services:

246- Environmental Consultants **616**- Soil Testing **2553**- Geophysical Survey & Mapping **2515-** Seismic Geophysical Survey Services **1007-** Environmental Remediation/Removal Design **2215**- Environmental Contractors **1072**- Asbestos Abatement and Compliance **2070-** Asbestos Abatement & Compliance **246-** Environmental Consultants **1007-** Environmental Remediation/Removal Design **2159**- Environmental Vocational Training **120**-Environmental Vocational Training **1048-** Groundwater Testing **1081-** Hazardous Waste Management **2429**- Lead Inspection & Risk Assessment **2072**- Lead Inspection & Risk Assessment **2230**- Occupational Health & Safety Services **2176**- Osha Safety Consultant **501-** Project Management **2074-** Training Environmental Compliance/Health & Safety **548**- Regulatory Compliance **1099**- Regulatory Compliance **2200-** Regulatory Compliance **2047**- Soil Remediation **616-** Soil Testing **725**- Water and Air Pollution Control **728**- Water Treatment

Certification status is not intended to imply that the State of New York guarantees your company's capability to perform on state contracts, nor does it imply that your company is guaranteed any state business.

Be advised that your certification **expires 3 years from the date of this letter** or unless you are contacted by the Division of Minority and Women's Business Development for recertification. Please remember that any changes in your company that affect ownership, managerial and/or operational control, must be reported to DMWBD within thirty (30) days of such changes; including changes to company name, business address, telephone numbers, principal products/services, and bonding capacity. At such time as it is necessary for your company to be recertified, you will be notified by DMWBD.

If your certification is questioned by any public or private entity, please direct the inquiry to DMWBD for clarification.

Thank you for your cooperation. On behalf of the State of New York, I wish you luck in your business endeavors, particularly those involving state agencies.

Sincerely,

Scott Munson
Associate Certification Analyst

cc.: Veena Bathija

Mary Joy (MJ) DelConte, MS, CEA, REM

Professional Experience

MJ DelConte has worked as an environmental, health and safety scientist for approximately 25 years. Thirteen (13) of these years involved working for law firms, including Christiano and Brennan, Harter Secrest and Emery, LLP and Nixon Peabody, LLP, providing technical expertise on environmental, health and/or safety (EHS) matters. During her career, she has worked as an environmental scientist, auditor, project manager and trainer identifying and/or addressing:

- **EHS and DOT compliance and ISO 14001 issues, including developing and implementing action plans for major US and/or International facilities**

- **EHS issues prior to, during and subsequent to EPA, FAA, OSHA, DOT and State enforcement action and litigation**

-Training needs, including developing and administering training programs

-Site investigation and remedial action issues and plans, including analyzing and resolving technical issues on State and Federal (Voluntary Cleanup, CERCLA, NPL and Brownfield) cleanup sites

MJ has also worked for computer software and major US and International manufacturing facilities designing, developing and implementing EHS audit protocols and software, including providing audit training and assessments of EHS audit programs relative to meeting corporate, court ordered and ISO 14000-management system standards. She has commented on and assisted with the preparation of position papers relative to new and revised standards including ASTM and ISO 14000, and regulations proposed by government agencies on behalf of public, private and not for profit entities, and has presented and published relative literature.

MJ's Master Degree included a mercury pollution prevention audit of Strong Memorial Hospital and Eastman Dental Center in Rochester, New York. Subsequently, a mercury pollution prevention plan was developed and adopted by medical and dental facilities in most States in the US. This work has been nationally recognized, having been awarded the 1999 Environmental Quality Award from EPA, the 1999 New York State Governor's Award for Pollution Prevention, and the 1999 New York State Water Environment Association Award for Pollution Prevention. The implementation of this plan is an ongoing effort, and is available as a State and National resource on the NYSDEC's and EPA's website.

http://www.dec.state.ny.us/website/ppu/p2shlth.html
http://www.epa.gov/grtlakes/bnsdocs/merchealth

Resulting regulations have included revisions and additions to the New York State Mercury-Added Consumer Products Law and the development of New York State's Standard for Elementary Mercury and Dental Amalgam Wastes at Dental Facilities.

http://www.dec.state.ny.us/website/dshm/redrecy/chap145.html
http://www.dec.state.ny.us/website/regs/subpart374.html

Education

University of Rochester
School of Medicine and Dentistry
Department of Environmental Medicine
Master of Science
Environmental and Health Studies, 1996

Syracuse University
School of Arts and Sciences
Bachelor of Science, 1985

Professional Certifications Affiliations and Appointments

-Victor Chamber of Commerce, Board Member, 2007 – 2008
-Kiwanis Club of Rochester, Director, 2007 - 2010
-NREP Certified Environmental Auditor (#2108), 1992 - Present
-NREP Registered Environmental Manager (#12318), 2006 - Present
-YMCA (Rochester, New York), Board Member, 2002 - 2003
-Environmental Health and Safety Auditing Roundtable, 1999
-Monroe County Water Quality Management Advisory Executive Committee, 1996 -2001
-National Ground Water Association, 1996 - 1998
-Monroe County Mercury Pollution Prevention Task Force, 1995 - 1999
-Rochester Safety Council, 1995
-Rochester Women's Network, 2000 - Present
-Genesee Land Trust, 1994 - 1996
-Center for Environmental Information, 1989 - Present
-NYS Department of Labor EHS Trainer, 1999
-OSHA Standards for General Industry 501 Trainer, 1998 - Present
-NGWA Risk-Based Corrective Action (RBCA) Trained, 1996
-EPA/NYS Asbestos Project Monitor, 1997 - 1999
-EPA/NYS Asbestos Contractor Supervisor, 1996 - 2003
-EPA/NYS Asbestos Management Planner, 1995 - 2003
-EPA/NYS Asbestos Inspector, 1995 – 2003
-OSHA HAZWOPER, 1995 – Present

Awards:

-2007 Distinguished Service Award Kiwanis Club of Rochester
-2004 and 2003 YMCA Chairman's Round Table Member
-2004, United Who's Who, 2005 Registry Publication
-2000, 2001, 2002 and 2003 Greater Rochester Metro Chamber of Commerce Business Resource Award for Local Entrepreneurs
-1999 EPA Environmental Quality Award
-1999 New York State Governor's Award for Pollution Prevention
-1999 New York Water Association Award for Pollution Prevention
Specific project experience includes work completed in the following areas:

Environmental Health & Safety (EHS) Experience

-Conducted EHS and DOT compliance, transactional, management system, and liability/due diligence assessments/audits (eg, for facility reacquisition/predivestiture disclosures, disclosures for financing infrastructure upgrades and landfill expansions, and ISO 14001 compliance)

-Lead environmental, health and safety audit teams at major US facilities. Such experience has included auditing the following: solid and hazardous waste management, EPCRA and release reporting, air quality, water pollution control, asbestos, and health and safety at:

New York City Department of Environmental Health and Safety (government); Eastman Kodak (Kings Landing Wastewater Treatment Plant, TSDF/incinerator, refrigeration and water, steam and electric, semi-conductor, camera and film manufacturing operations); AnAerobics, Inc. n/k/a Ecolab/Ecovation (waste water treatment); Suburban Disposal; Upstate Farms/Bison Foods and Chautauqua and Erie Telephone (solid waste disposal operations, food manufacturing, and telecommunication operations); RG&E, PG&E, Orange and Rockland Utilities and the Puerto Rick Electric Power Authority (gas and electric utility operations); Agway, Inc. and Liquid Products (feed mill, agronomy and farm operations); and Piedmont Hawthorne (aviation maintenance and fueling operations), etc.

-Developed action plans to achieve EHS and DOT compliance, including cost forecasting (eg, for budgeting purposes, financial institutions/lenders, settlement of Superfund litigation, and State, CERCLA and NPL hazardous waste site cleanups and brownfields redevelopment)

- Analyzed, researched and resolved a wide variety of EHS and DOT regulatory issues, including hazard/risk analyses, cost-benefit analyses, remedial investigation and feasibility studies, and risk assessments to advance company and government goals and strategies, including pollution prevention

- Reviewed, commented on and prepared studies/reports, including: site investigations, and ecological and health risk assessments/impact statements (eg, for utility siting and desalinization projects, hazardous waste sites, facilities containing asbestos, landfill development/expansions, and biochemical patents for inventors)

-Conducted analysis of data for: projecting discharge concentrations and limits associated with facility water permitting; SARA Title III and PCB reporting, including for landfill expansion projects, and in response to enforcement action

- Developed company and government EHS guidance materials and administered training programs, including audit training

ABB Kent Taylor, Albany Hospital, Blue Plains Wastewater Treatment Plant, Canandaigua Wine, Crucible Magnetic, District Council #4 Painters and Glaziers Union, Eastman Kodak Company, Frontier Telephone, General Signal, HSBC Bank, M&T Bank, Canandaigua National Bank, Orange and Rockland Utilities, Piedmont Hawthorne, Pacific Gas & Electric, Puerto Rico Electric Power Authority, Rochester Gas & Electric, Rochester Institute of Technology, Town of Rotterdam Landfill, Seneca Meadows Landfill, and Vishay Electronic Components, etc.

Project Management Experience

-Prepared requests for proposals and scopes of work, conducted pre-bid conferences and site walk-throughs, evaluated consultant bids and qualifications, provided technical support in the contracting process, and oversaw preparation of final documents and government required reports (eg, for asbestos abatement and reinsulation projects, hazardous waste site cleanups, tank removals/installations; and EHS computer software development)

- Ensured cost savings on remedial projects (eg, up to $1,500,000 on asbestos abatement projects and hazardous waste site cleanups)

-Oversaw consultant investigations, design, construction and remedial activities

-Supervised project teams and served as interface between developers, building owners, buyers, lending institutions, contractors, consultants, potentially responsible parties, and government entities

-Managed administrative matters for Superfund sites, including: budgeting; review, approval and payment of vendor invoices; trust account maintenance; oversight on tax allocation/filings and trust account audits; and participation in the determination of allocation and assessments by providing analyses of technical information to support allocation determinations

Agway, Inc, AVX Corporation, Beech Hills Corporation, Chautauqua & Erie Telephone, Eastman Kodak Company; EJ Footwear; Frontier Phase I & II NPL sites/PRP groups, International Paper, Rochester Institute of Technology, Rosen Site, Taylor Instruments (NYSDEC site), and Tri-Cities Barrel, etc.

Enforcement Response and Litigation Experience

-Assisted clients prior to and during EPA, OSHA, DOT and FAA inspections and investigations

-Provided technical analyses, strategies and responses to: notices of violation; requests for information under CERCLA and EHS citizen suit provisions; complaints, interrogatories, motions, proposed settlement agreements, and consent orders

-Identified expert witnesses and provided technical support in preparation for all phases of litigation (eg, expert witness disclosures, depositions and trial testimony)

-Provided technical support for: achieving EHS and DOT penalty reductions; and the settlement of toxic torts/products liability, citizen suits, Superfund-related litigation, and/or cost recovery actions

(eg, achieving a 30% reduction of multimillion dollar water-related penalties originating from citizen suit; ensuring maximum settlements for asbestos, zinc, DES, and VOC exposed plaintiffs; achieving settlement for defense of adverse reactions to pharmaceutical drugs/medications (televised on *20/20*), molds and fungi, herbicides, silicone implants, and asbestos toxic tort and products liability litigation)

Agway, Inc., Dow Corning, Dupont, Fisons, n/k/a Medeva Pharmaceuticals, Nakano Foods, Upstate Farms, Bison Foods, General Motors, W.R. Grace, Puerto Electric Power Authority, Piedmont Hawthorne Aviation and EJ Footwear; asbestos plaintiffs (eg, electricians, plumbers, and insulators, etc.)

Computer Applications Experience

-Developed and updated EHS self-assessment checklists and standardized assessment findings (text) for Eastman Kodak Worldwide Assessment Division as part of assisting Kodak with satisfying ISO-14001 self assessment standards; beta tested and sold software, and recommended improvements for inclusion in EHS software releases

-Developed and implemented a database of EHS categories, topics and root causes (text) for past and future analyses of worldwide assessment findings, and incorporation into Eastman Kodak Worldwide Assessment Division. EHS assessment software as part of assisting Kodak with satisfying ISO-14001 sell assessment standards

-Completed EHS software needs assessments, and participated in the design and implementation of databases for tracking: multimedia consent order corrective actions; over 100,000 PCB items to meeting federal and consent order requirements; facility documents from EHS and pollution prevention assessments/audits

-Conducted seminars and presentations, and trained U.S/International facilities and consultants on the use of computer-based assessment tools for conducting compliance audits and tracking action plans

Agway, Inc., Amerada Hess, American Electric Power, Certainteed Corporation, Eastman Kodak Company, Eli Lilly, Florida Power and Light, General Electric, Halliburton Services, Orange & Rockland Utilities, NYS Correctional Facilities, Pacific Gas & Electric, Pfizer Inc., Piedmont Hawthorn, PPG Industries, Puerto Electric Power Authority, Quaker Chemical, Rochester Gas & Electric, Tosco Refinery,Thiokol, USAir, Western Farmers Electric, Williams Pipeline Co., and Xerox, etc.

Publications

Developer files to recoup costs on Mendon site; DelConte, MJ (Quoted); Rochester Business Journal (May 23, 2008)

Others' environmental health is good business; TriTech and DelConte, MJ (Feature Article); Rochester Business Journal (November 30, 2007)

New York State Department of Environmental Conservation's "Environmental Compliance and Pollution Prevention Guide For the Health Care Industry"; DelConte, MJ (Key Contributor, June 2004)

State DEC Salutes Strong Hospital; Mercury Pollution Prevention Project recognized as recipient of 1 of 6 Statewide Governor's Awards; DelConte, MJ (Key Contributor); Democrat and Chronicle, Local & State

(August 5, 1998)

Health Department To Be Honored By U.S. EPA; DelConte, MJ (Mentioned as Partner in Leadership); The Daily Record (April 20, 1999)

Monroe County Department of Health and Environmental Services, University of Rochester's Department of Dentistry and Eastman Dental Center, and the U.S. Environmental Protection Agency. 1999. DelConte, MJ (Editor and Key Contributor), *Rochester Embayment Watershed Mercury Pollution Prevention Program Grant Final Report*

Nixon, Hargrave, Devans & Doyle LLP. December 1998. DelConte, MJ (Editor and Contributor), Chapter 11, *Other Regulatory Schemes.* (Asbestos, Medical Wastes and Pesticides). New York Environmental Law Handbook, Fifth Edition. Government Institutes, Inc.

Hospitals Seek to be Mercury-Free; DelConte, MJ (Quoted); Democrat and Chronicle, Local & State (August 5, 1998)

Monroe County Department of Health and Environmental Services, Strong Memorial Hospital, and the U.S. Environmental Protection Agency. 1998. DelConte, MJ (Editor and Key Contributor). *Reducing Mercury Use in Health Care, A How to Manual*

Monroe County Department of Health and Environmental Services, University of Rochester's Department of Dentistry and Eastman Dental Center, and the U.S. Environmental Protection Agency. 1998. DelConte, MJ (Editor and Key Contributor), *Prevent Mercury Pollution, Use Best Management Practices for Amalgam Handling and Recycling.* Booklet

Monroe County Department of Health and Environmental Services, University of Rochester's Department of Dentistry and Eastman Dental Center, the U.S. Environmental Protection Agency, and Nixon, Hargrave, Devans & Doyle LLP Media Services. 1998. DelConte, MJ (Editor and Key Contributor), *Prevent Mercury Pollution: Use Best Management Practices for Amalgam Handling and Recycling,* Poster

DelConte, MJ. May 1997. *A Mercury Pollution Prevention Study for Medical & Dental Centers Findings Report* (Masters Thesis). Prepared in Conjunction with EPA, Monroe County, Strong Memorial Hospital and Eastman Dental Center

Nixon, Hargrave, Devans & Doyle LLP., Peabody, LLP, Ford, Libby, Johnson, Jim and DelConte, MJ. January 1997. *Using Industry-Specific Best Management Practices to Reduce Pollutant Loads to POTWs With a Minimum of Ongoing Effort.* Presented by Libby Ford at 69th Annual Meeting of the New York Water Environment Association

Nixon, Hargrave, Devans & Doyle, LLP., Peabody, LLP, Ford, Libby, Johnson, Jim and DelConte, MJ. January 1994. *Indirect Requirements for Indirect Dischargers.* Water Environment Federation. Water Environment & Technology, pp. 59 – 63

Presentations

Talking Commercial Real Estate, Radio Program, News 1040 AM WYSL, Avon, NY; MJ DelConte, Guest Speaker (2007- 2008)

National Registry of Environmental Professionals Annual Conference, Nashville, TN; MJ DelConte, Speaker, Soil Vapor Intrusion – A Site Owner and Developer's Point of View, Dealing With OSHA Inspections, and Pollution Prevention – Keys to Success (October 2006)

Various Presentations to Banks, Developers and Commercial Real Estate Brokers, Rochester, NY; MJ DelConte Speaker (2005 – 2008); focus on identification of environmental and asbestos

issues, and strategies for issue resolution

Career Day at Bishop Kearney High School, Environmental, Health and Safety Issues, Rochester, NY; MJ DelConte Speaker (May 2005)

TriTech Annual Environmental Seminar, Rochester, NY; MJ DelConte/Tritech Speaker and Coordinator (September 2005); attended by City of Rochester and the NYSDEC Region 8; focus on government funding and processes related to conducting site investigations and cleanup

Various Health and Safety Topics; MJ DelConte, New York State Telephone Association Fall and Spring Seminars, Syracuse, NY (1995 – Present)

Agency Inspections, Exposure Monitoring and Contractor Safety; MJ DelConte, TriTech Environmental Health and Safety Fall Seminar, Rochester, NY (September 2001)

Revisions to Environmental Site Assessment Standards (ASTM Standards 1527 and 1528); MJ DelConte and Terry Richman, Esq. (Underberg and Kessler), TriTech Environmental Health and Safety Breakfast Seminar, Rochester, NY (December 1999)

Environmental Health and Safety Compliance and Management System Strategies; DelConte, MJ and Ruggieri, Thomas, TriTech Environmental Health and Safety Fall Seminar, Rochester, NY (October 1999)

Commercial Real Estate Transactions and Meeting the ASTM Standard (E1527-97) for Environmental Site Assessments; Campbell, Steven, DelConte, MJ and Ruggieri, Thomas, C & O Technologies Summer Seminar, Rochester, NY (June 1999)

Dealing With OSHA Inspections, and Employer Liability For On-The-Job Injuries/Assessing Compliance with OSHA; Nixon, Hargrave, Devans & Doyle, LLP., Cook, D. and DelConte, MJ; New York State Telephone Association Fall Seminar, Syracuse, NY (October 1998)

Doyle and Strong Memorial Hospital Encourage Participation in Program to Prevent Mercury Pollution, Press Conference; DelConte, MJ (Participant) (August 1998)

Asbestos in Commercial Buildings, Identifying, Managing and/or Removing the Hazard; DelConte, MJ; New York State Telephone Association Spring Seminar, Syracuse, NY (April 1998)

Educator Worksite Visit Workshop, Rochester, NY; DelConte, MJ (Panel Member); Rochester Area Career Education Collaborative, Eastern Monroe School-Business Partnership and Rochester/Monroe County School-to-Work Partnership, (February 1998)

Asbestos in Commercial Buildings, Identifying, Managing and/or Removing the Hazard; DelConte, MJ, Instructor/Lecturer; Rochester Institute of Technology Masters of Environmental Management Distance Learning Curriculum (January 1998)

Pollution Prevention Partnerships: Keys to Success; DelConte, MJ; An Industry-Academic Conference on Pollution Prevention in Manufacturing, Urban Infrastructure, and Applied University P2 Research: U.S. EPA Region II, New York City, NY (January 1996)

Prepared Regulatory Update Speeches for Water Environment Federation Meetings, Rochester, NY (1992-1995)

Conducted seminars and presentations, and trained U.S. Facilities and consultants on the use of computer-based assessment/audit tools for conducting compliance audits and tracking corrective action; approximately 25 states in U.S. (1991 – 1992)

Nicole P. Kelly

Environmental Project Manager

Nicole P. Kelly is an environmental project manager at TriTech Environmental Health & Safety, Inc. ("TriTech"). Nicole joined the firm in April 2000 and worked for TriTech until 2006 and relocated to Florida. Nicole has been re-employed by TriTech since May 2011.

Nicole has a Bachelors of Arts in English Literature from St. John Fisher College in Rochester, New York, graduating magna cum laude in May 1999. She has received education and training in: asbestos inspecting (ie, OSHA, AHERA and NESHAPS); environmental, health and safety compliance, OSHA and NYSDEC enforcement response; Phase I and II environmental site assessments and environmental remediation.

Phase I and II Environmental Site Assessments and Remediation

Nicole specializes in conducting ASTM/EPA Phase I and Phase II Environmental Site Assessments, and remediation projects for the firm's clients. Nicole also completes routine site monitoring relative to stormwater, landfills and sites with ongoing monitoring requirements (eg, groundwater and vapor intrusion). Nicole maintains a 40-Hour Hazardous Waste Operations and Maintenance ("HAZWOPER") Certification in order to perform environmental services at Brownfield and Hazardous Waste Sites, and relative to working with hazardous materials.

Asbestos Lead and PCBs in Window Caulking Surveying

Nicole has been a certified USEPA/NYSDOL Asbestos Inspector and assists with completing AHERA, OSHA, NESHAPs and NYS Code Rule 56 surveys, and the development and implementation of asbestos management plans, and awareness training. Nicole also completes building material surveys for the presence of lead paint and PCBs in window caulking.

EHS Compliance

Nicole performs regulatory research, and safety-related compliance assessments (eg, emergency evacuation, fire protection, lockout/tagout, walking and working surfaces, etc.); assists clients with Emergency Planning and Community Right-to-Know analyses and reporting; and develops written EHS procedures and training programs, including in response to Federal and State enforcement action.

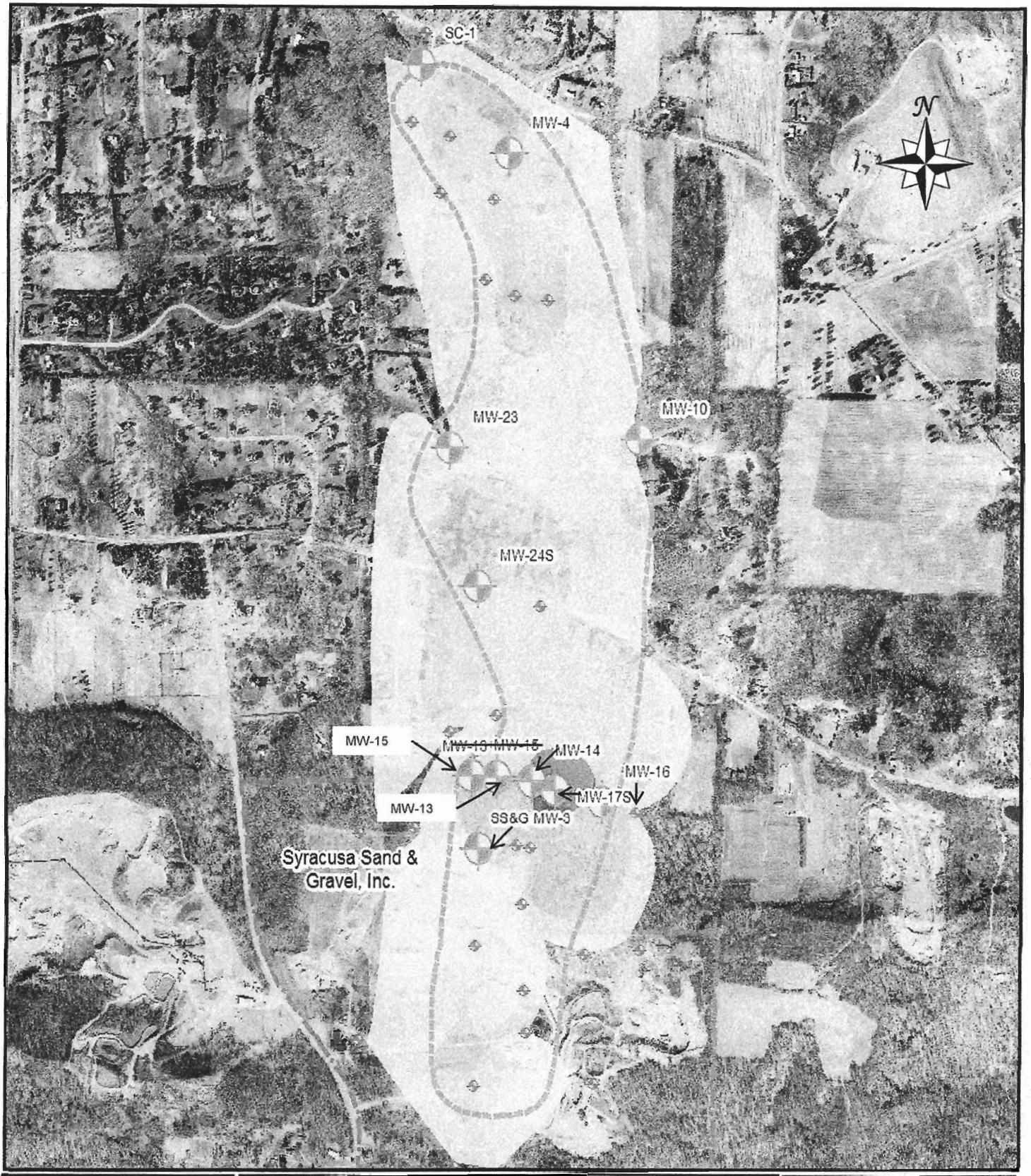
Report Generation and Use of Computer Applications

Nicole specializes in EHS data review and interpretation, and its translation into TriTech reports that facilitates clear understanding (ie, both in text and corresponding visual representations) of information for our clients and their representatives, considering the varying knowledge of entities that ultimately evaluate and rely on TriTech reports (eg, lending institutions, lawyers, regulatory agencies, etc.).

Client Experience

Nicole's technical experience has resulted from working with the following client types: agriculture (ie, feed and nutrition, energy and agronomy); food processors; aviation; disposal and recycling; commercial and industrial processing and manufacturing; school districts; city and state municipalities; lending institutions; and commercial real estate brokers.

Appendix B
Summary of Field Measurements



TriTech
Environmental Health and Safety Inc

1100 University Ave.
Rochester, New York 14607
Tel: (585) 256-6211
Fax: (585) 256-6244

Figure 1

Site Sample Location Map
Modock Road Springs
DLS Sand and Gravel, Inc. Site
Victor, New York
(NYSDEC HW ID 8-35-013)

Date: February 2012

Scale: None

Drawn By: MJD

Photo Source:
NYSDEC (Undated)
MW-13 and MW-15 Location
Corrected by TriTech

TriTech
Environmental, Health, and Safety Inc.

1100 University Ave.
Rochester, New York 14607
Tel: (585) 256-6211
Fax: (585) 256-6244

Figure 2

Location of Spring Sample SC-1 Collection Point
Modock Road Springs
DLS Sand and Gravel, Inc. Site
Victor, New York
(NYSDEC HW ID 8-35-013)

Date: February 2012

Scale: None

Drawn By: MJD

Photo Source:
TriTech Photograph Taken
At Time of Sampling
10/31/11

Appendix B
Summary of Field Measurements

Modock Road Springs/DLS Sand Gravel Inc. Site (8-35-013)
Passive Diffusion Bag (PDB) Groundwater Sampling Events
Summary of Field Measurements for June 30, 2008, August 10, 2010, October 30 - November 1, 2011 and December 28, 2011 Field Measurements

Well ID	Date of Sampling Event	Stick Up (SU) Flush Mount (FM) or Surface Water (SW)	Diameter of Well (In.)	Top of Casing (Ft. to GS) A	Depth of Well Below TOC (Ft.)	Length of Well Screen (Ft.)	Top of Screen Below TOC (Ft.)	Bottom of Screen Below TOC (Ft)	Date of Groundwater Measurement	Depth to Groundwater Below TOC (Ft.)	Thickness of Water Column Below TOC (Ft.)	Thickness of Water Column Below TOC Within Screened Interval (Ft.)	Water Column Center (Ft. Bgs.)	Length of PDB (Ft.)	Date of PDB Deployment	Time of PDB Deployment	Date of PDB sampling	Tme of PDB Sampling	Result TCE ug/l	Result TCA ug/l	Result DCE ug/l
MW-4	6/30/08	FM	2	-0.26	59.70	10.00	41.24	51.24	7/29/08	40.05	19.65	11.19	45.52	2			6/30/08		120	40	5
MW-4	8/10/10	FM	2	-0.26	50.95	10.00	41.24	51.24	7/15/10	41.05	9.90	9.90	45.74	2	7/15/10	12:45 PM	8/10/10	2:20 PM	120	34	6.2
MW-4	10/30/11	FM	2	-0.26	56.58	10.00	41.24	51.24	10/16/11	40.72	15.86	10.52	45.85	2	10/16/11	11:45 AM	10/30/11	5:15 PM	20.7	14.3	<2.00
MW-10	6/30/08	SU	2	2.51	90.69	15.00	77.51	92.51	7/29/08	80.08	10.61	12.43	84.13	2			6/30/08		0	3	0
MW-10	8/10/10	SU	2	2.51	90.50	15.00	77.51	92.51	7/15/10	80.48	10.02	10.02	82.99	2	7/15/10	12:20 PM	8/10/10	1:40 PM	0.7	2.8	0
MW-10	10/30/11	SU	2	2.51	91.62	15.00	77.51	92.51	10/16/11	80.26	11.36	12.25	84.69	2	10/16/11	12:38 PM	10/30/11	4:05 PM	29.8	<2.00	<2.00
MW-13	6/30/08	SU	2	1.38	73.32	10.00	56.38	66.38	7/29/08	65.75	7.57	0.63	65.38	2			6/30/08		150	180	24
MW-13	8/10/10	SU	2	1.38	74.80	10.00	56.38	66.38	7/15/10	65.79	9.01	0.59	65.52	2	7/15/10	9:45 PM	8/10/10	11:00 AM	150	120	20
MW-13	10/31/11	SU	2	1.38	73.86	10.00	56.38	66.38	10/17/11	65.93	7.94	0.46	65.46	2	10/17/11	4:55 PM	10/31/11	5:21 PM	31.8	37.8	<2.00
MW-13	12/28/11	SU	2	1.38	74.75	10.00	56.38	66.38	12/13/11	65.89	8.86	0.49	65.63	2	12/13/11	1:18 PM	12/28/11	5:25 PM	104	71.9	11.2
MW-14	6/30/08	SU	2	1.80	84.80	15.00	49.80	64.80	7/29/08	57.04	7.76	7.76	60.02	2			6/30/08		410	120	16
MW-14	8/10/10	SU	2	1.80	64.22	15.00	48.80	64.80	7/15/10	55.96	8.26	8.84	58.39	2	7/15/10	10:00 AM	8/10/10	10:40 AM	150	31	5.3
MW-14	10/31/11	SU	2	1.80	63.74	15.00	49.80	64.80	10/17/11	55.93	7.81	8.87	59.94	2	10/17/11	5:25 PM	10/31/11	6:36 PM	166	41.4	5.06
MW-15	6/30/08	SU	2	2.55	71.75	10.00	61.55	71.55	7/29/08	60.46	11.29	11.09	64.73	2			6/30/08		0	57	21
MW-15	8/10/10	SU	2	2.55	69.95	10.00	61.55	71.55	7/15/10	60.70	9.25	10.85	62.78	2	7/15/10	9:15 AM	8/10/10	11:20 AM	2.7	45	8.7
MW-15	10/30/11	SU	2	2.55	69.18	10.00	61.55	71.55	10/16/11	60.81	8.37	10.74	63.72	2	10/16/11	1:45 PM	10/30/11	6:17 PM	19.1	12.8	<2.00
MW-16	6/30/08	SU	2	2.20	70.20	10.00	60.20	70.20	7/29/08	65.82	4.38	4.38	68.91	2			6/30/08		340	120	21
MW-16	8/10/10	SU	2	2.20	70.37	10.00	60.20	70.20	7/15/10	65.94	4.43	4.26	65.96	2	7/15/10	10:45 AM	8/10/10	10:00 AM	450	86	0
MW-16	10/30/11	SU	2	2.20	69.89	10.00	60.20	70.20	10/16/11	65.89	4.00	4.31	66.79	2	10/16/11	1:48 PM	10/30/11	6:42 PM	51.6	53	2.41
MW-16	12/28/11	SU	2	2.20	70.30	10.00	60.20	70.20	12/13/11	65.92	4.38	4.28	67.01	2	12/13/11	1:41 PM	12/28/11	5:47 PM	464	82.6	17.2
MW-17S	6/30/08	SU	2	2.59	69.59	10.00	59.59	69.59	7/29/08	58.98	10.61	10.61	62.99	2			6/30/08		2300	330	55
MW-17S	8/10/10	SU	2	2.59	68.15	10.00	59.59	69.59	7/15/10	58.95	9.20	10.64	62.96	2	7/15/10	10:20 AM	8/10/10	10:20 AM	2700	250	62
MW-17S	10/31/11	SU	2	2.59	67.83	10.00	59.59	69.59	10/17/11	58.82	9.01	10.77	62.03	2	10/17/11	4:17 PM	10/31/11	5:03 PM	77.3	65.5	2.74
MW-17S	12/28/11	SU	2	2.59	68.10	10.00	59.59	69.59	12/13/11	58.80	9.30	10.79	62.16	2	12/13/11	2:06 PM	12/28/11	5:39 PM	1,220	102	21.5
MW-23	6/30/08	FM	2	-0.40	47.60	10.00	37.60	47.60	7/29/08	38.28	9.32	9.32	43.14	2			6/30/08		3	1	0
MW-23	8/10/10	FM	2	-0.40	46.91	10.00	37.60	47.60	7/15/10	39.34	7.57	8.26	42.73	2	7/15/10	12:00 PM	8/10/10	1:20 PM	3.6	2.6	0
MW-23	10/31/11	FM	2	-0.40	46.62	10.00	37.60	47.60	10/17/11	38.64	7.96	8.96	43.32	2	10/17/11	5:41 AM	10/31/11	5:14 PM	21.6	8.7	<2.00
MW-24S	6/30/08	FM	2	-0.31	74.69	10.00	64.69	74.69	7/29/08	55.00	8.69	8.69	70.50	2			6/30/08		210	62	9
MW-24S	8/10/10	FM	2	-0.31	73.92	10.00	64.69	74.69	7/15/10	66.86	1.26	7.83	70.06	2	7/15/10	11:45 AM	8/10/10	1:09 PM	150	46	10
MW-24S	10/31/11	FM	2	-0.31	73.72	10.00	64.69	74.69	10/17/11	66.37	7.35	8.32	70.69	2	10/17/11	6:36 AM	10/31/11	5:43 AM	24.1	20.4	<2.00
SC-1	6/30/08	SW	2	NA	NA	NA	NA	NA	NA	Unknown	NA	NA	NA	NA	NA	NA	6/30/08		77	31	4
SC-1	8/10/10	SW	2	NA	NA	NA	NA	NA	NA	Unknown	NA	NA	NA	NA	NA	NA	8/10/10		77	23	4.1
SC-1	10/31/11	SW	2	NA	NA	NA	NA	NA	NA	0.65	NA	NA	NA	NA	NA	NA	10/31/11	6:02 PM	56	15.1	2.17
SS&G MW-3	6/30/08	SU	2	1.88	72.13	Unknown	Unknown	Unknown	7/29/08	69.90	2.23	Unknown	70.08	2			6/30/08		18	29	0
SS&G MW-3	8/10/10	SU	2	1.88	74.99	Unknown	Unknown	Unknown	7/15/10	70.49	4.50	Unknown	70.86	2	7/15/10	11:20 AM	8/10/10	12:30 PM	16	19	3.8
SS&G MW-3	11/1/11	SU	2	1.88	73.72	Unknown	Unknown	Unknown	10/18/11	70.66	3.06	Unknown	71.25	2	10/18/11	8:26 AM	11/1/11	9:37 AM	6.39	16	<2.00

In. = Inches
Ft. = Feet
Bgs. = Below Ground Surface
F = Fahrenheit
PDB = Passive Diffusion Bag
TOC = Top of Casing

Weather Conditions During TriTech and NYSDEC Placement of PDBs and TriTech Sampling of PDBs During October - November and December 2011

PDB Placement Date	Weather Conditions	
10/16/11	51°F	No Precipitation
10/17/11	48°F	No Precipitation
10/18/11	47°F	No Precipitation
10/30/11	42°F	No Precipitation
10/31/11	56°F	No Precipitation
11/1/11	39°F	No Precipitation
12/13/11	43°F	No Precipitation
12/28/11	38°F	No Precipitation

NOT BASED ON ACTUAL TD MEASUREMENTS.

Appendix C
Summary of Groundwater Sampling Event and Confirmation Sampling Event Analytical Data

Table 1. Summary of Volatile Organic Analyses - Water

Constituent	Water Sample SC-1 10/31/11	Water Sample SS+G/MW-3 11/1/11	Water Sample MW-4 10/30/11	NYSDEC Groundwater Quality Standards 6 NYCRR 703.5
***Chlorinated Volatile Organic* Compounds (CVOCs)**	**Concentration (ug/l or ppb)**			
1,1,1-Trichloroethane (TCA)	**15.1**	**16.0**	**14.3**	5
1,1,2,2-Tetrachloroethane	<2.00	<2.00	<2.00	5
1,1,2-Trichloroethane	<2.00	<2.00	**<2.00**	1
1,1-Dichloroethane	<2.00	<2.00	<2.00	5
1,1-Dichloroethene (DCE)	**2.17**	**<2.00**	**<2.00**	5
1,2-Dichlorobenzene	<2.00	<2.00	<2.00	3
1,2-Dichloroethane	<2.00	<2.00	**<2.00**	0.6
1,2-Dichloropropane	<2.00	<2.00	**<2.00**	1
1,3-Dichlorobenzene	<2.00	<2.00	<2.00	3
1,4-Dichlorobenzene	<2.00	<2.00	<2.00	3
2-Chloroethyl vinyl Ether	<10.0	<10.0	<10.0	NE
Bromodichloromethane	<2.00	<2.00	<2.00	50
Bromoform	<5.00	<5.00	<5.00	50
Bromomethane	<2.00	<2.00	<2.00	5
Carbon Tetrachloride	<2.00	<2.00	<2.00	5
Chlorobenzene	<2.00	<2.00	<2.00	5
Chloroethane	<2.00	<2.00	<2.00	5
Chloroform	<2.00	<2.00	<2.00	7
Chloromethane	<2.00	<2.00	<2.00	NE
Cis-1,2-Dichloroethene	<2.00	<2.00	<2.00	5
Cis-1,3-Dichloropropene	<2.00	<2.00	**<2.00**	The sum of cis & trans 0.4
Dibromochloromethane	<2.00	<2.00	<2.00	NE
Methylene Chloride	<5.00	<5.00	<5.00	5
Tetrachloroethene	<2.00	<2.00	<2.00	5
Trans-1,2-Dichloroethene	<2.00	<2.00	<2.00	5
Trans-1,3-Dichloropropene	<2.00	<2.00	**<2.00**	The sum of cis & trans 0.4
Trichloroethene (TCE)	**56.3**	**6.39**	**20.7**	5
Trichlorofluoromethane	<2.00	<2.00	<2.0	5
Vinyl Chloride	<2.00	<2.00	<2.00	2

Bold CVOCs = Above NYSDEC Groundwater Quality Standards

Table 1. Summary of Volatile Organic Analyses – Water (Contd.)

Constituent	Water Sample MW-10 10/30/11	Water Sample MW-13 10/31/11	Water Sample MW-13 12/28/11	NYSDEC Groundwater Quality Standards 6 NYCRR 703.5
***Chlorinated Volatile Organic* Compounds (CVOCs)**	**Concentration (ug/l or ppb)**			
1,1,1-Trichloroethane (TCA)	**<2.00**	**37.8**	**71.9**	5
1,1,2,2-Tetrachloroethane	<2.00	<2.00	<2.00	5
1,1,2-Trichloroethane	**<2.00**	**<2.00**	**<2.00**	1
1,1-Dichloroethane	<2.00	<2.00	<2.00	5
1,1-Dichloroethene (DCE)	**<2.00**	**<2.00**	**11.2**	5
1,2-Dichlorobenzene	<2.00	<2.00	<2.00	3
1,2-Dichloroethane	**<2.00**	**<2.00**	**<2.00**	0.6
1,2-Dichloropropane	**<2.00**	**<2.00**	**<2.00**	1
1,3-Dichlorobenzene	<2.00	<2.00	<2.00	3
1,4-Dichlorobenzene	<2.00	<2.00	<2.00	3
2-Chloroethyl vinyl Ether	<10.0	<10.0	<10.0	NE
Bromodichloromethane	<2.00	<2.00	<2.00	50
Bromoform	<5.00	<5.00	<5.00	50
Bromomethane	<2.00	<2.00	<2.00	5
Carbon Tetrachloride	<2.00	<2.00	<2.00	5
Chlorobenzene	<2.00	<2.00	<2.00	5
Chloroethane	<2.00	<2.00	<2.00	5
Chloroform	<2.00	<2.00	<2.00	7
Chloromethane	<2.00	<2.00	<2.00	NE
Cis-1,2-Dichloroethene	<2.00	<2.00	<2.00	5
Cis-1,3-Dichloropropene	**<2.00**	**<2.00**	**<2.00**	The sum of cis & trans 0.4
Dibromochloromethane	<2.00	<2.00	<2.00	NE
Methylene Chloride	<5.00	<5.00	<5.00	5
Tetrachloroethene	<2.00	<2.00	<2.00	5
Trans-1,2-Dichloroethene	<2.00	<2.00	<2.00	5
Trans-1,3-Dichloropropene	**<2.00**	**<2.00**	**<2.00**	The sum of cis & trans 0.4
Trichloroethene (TCE)	**20.8**	**31.8**	**104**	5
Trichlorofluoromethane	<2.00	<2.00	<2.00	5
Vinyl Chloride	<2.00	<2.00	<2.00	2

Bold CVOCs = Above NYSDEC Groundwater Quality Standards

Table 1. Summary of Volatile Organic Analyses – Water (Contd.)

Constituent	Water Sample MW-14 10/31/11	Water Sample MW-15 10/30/11	NYSDEC Groundwater Quality Standards 6 NYCRR 703.5
***Chlorinated Volatile Organic* Compounds (CVOCs)**	**Concentration (ug/l or ppb)**		
1,1,1-Trichloroethane (TCA)	**41.4**	**12.8**	5
1,1,2,2-Tetrachloroethane	<2.00	<2.00	5
1,1,2-Trichloroethane	<2.00	<2.00	1
1,1-Dichloroethane	<2.00	<2.00	5
1,1-Dichloroethene (DCE)	**5.06**	**<2.00**	5
1,2-Dichlorobenzene	<2.00	<2.00	3
1,2-Dichloroethane	<2.00	<2.00	0.6
1,2-Dichloropropane	<2.00	**<2.00**	1
1,3-Dichlorobenzene	<2.00	<2.00	3
1,4-Dichlorobenzene	<2.00	<2.00	3
2-Chloroethyl vinyl Ether	<10.0	<10.0	NE
Bromodichloromethane	<2.00	<2.00	50
Bromoform	<5.00	<5.00	50
Bromomethane	<2.00	<2.00	5
Carbon Tetrachloride	<2.00	<2.00	5
Chlorobenzene	<2.00	<2.00	5
Chloroethane	<2.00	<2.00	5
Chloroform	<2.00	<2.00	7
Chloromethane	<2.00	<2.00	NE
Cis-1,2-Dichloroethene	<2.00	<2.00	5
Cis-1,3-Dichloropropene	<2.00	<2.00	The sum of cis & trans 0.4
Dibromochloromethane	<2.00	<2.00	NE
Methylene Chloride	<5.00	<5.00	5
Tetrachloroethene	<2.00	<2.00	5
Trans-1,2-Dichloroethene	<2.00	<2.00	5
Trans-1,3-Dichloropropene	<2.00	**<2.00**	The sum of cis & trans 0.4
Trichloroethene (TCE)	**166**	**19.1**	5
Trichlorofluoromethane	<2.00	<2.00	5
Vinyl Chloride	<2.00	<2.00	2

Bold CVOCs = Above NYSDEC Groundwater Quality Standards

Table 1. Summary of Volatile Organic Analyses – Water (Contd.)

Constituent	Water Sample MW-16 10/30/11	Water Sample MW-16 12/28/11	NYSDEC Groundwater Quality Standards 6 NYCRR 703.5
***Chlorinated Volatile Organic* Compounds (CVOCs)**	Concentration (ug/l or ppb)		
1,1,1-Trichloroethane (TCA)	**53.0**	**82.6**	5
1,1,2,2-Tetrachloroethane	<2.00	**<10.0**	5
1,1,2-Trichloroethane	<2.00	**<10.0**	1
1,1-Dichloroethane	<2.00	**<10.0**	5
1,1-Dichloroethene (DCE)	**2.41**	**17.2**	5
1,2-Dichlorobenzene	<2.00	**<10.0**	3
1,2-Dichloroethane	<2.00	**<10.0**	0.6
1,2-Dichloropropane	**<2.00**	**<10.0**	1
1,3-Dichlorobenzene	<2.00	**<10.0**	3
1,4-Dichlorobenzene	<2.00	**<10.0**	3
2-Chloroethyl vinyl Ether	<10.0	<50.0	NE
Bromodichloromethane	<2.00	<10.0	50
Bromoform	<5.00	<25.0	50
Bromomethane	<2.00	**<10.0**	5
Carbon Tetrachloride	<2.00	**<10.0**	5
Chlorobenzene	<2.00	**<10.0**	5
Chloroethane	<2.00	**<10.0**	5
Chloroform	<2.00	**<10.0**	7
Chloromethane	<2.00	<10.0	NE
Cis-1,2-Dichloroethene	<2.00	**<10.0**	5
Cis-1,3-Dichloropropene	<2.00	**<10.0**	The sum of cis & trans 0.4
Dibromochloromethane	<2.00	<10.0	NE
Methylene Chloride	<5.00	**<25.0**	5
Tetrachloroethene	<2.00	**<10.0**	5
Trans-1,2-Dichloroethene	<2.00	**<10.0**	5
Trans-1,3-Dichloropropene	**<2.00**	**<10.0**	The sum of cis & trans 0.4
Trichloroethene (TCE)	**51.6**	**464**	5
Trichlorofluoromethane	<2.00	**<10.0**	5
Vinyl Chloride	<2.00	**<10.0**	2

Bold CVOCs = Above NYSDEC Groundwater Quality Standards

Table 1. Summary of Volatile Organic Analyses – Water (Contd.)

Constituent	Water Sample MW-17S 10/31/11	Water Sample MW-17S 12/28/11	NYSDEC Groundwater Quality Standards 6 NYCRR 703.5
***Chlorinated Volatile Organic* Compounds (CVOCs)**	**Concentration (ug/l or ppb)**		
1,1,1-Trichloroethane (TCA)	**65.6**	**102**	5
1,1,2,2-Tetrachloroethane	<2.00	**<20.0**	5
1,1,2-Trichloroethane	**3.03**	**<20.0**	1
1,1-Dichloroethane	<2.00	**<20.0**	5
1,1-Dichloroethene (DCE)	**2.74**	**21.5**	5
1,2-Dichlorobenzene	<2.00	**<20.0**	3
1,2-Dichloroethane	**<2.00**	**<20.0**	0.6
1,2-Dichloropropane	**<2.00**	**<20.0**	1
1,3-Dichlorobenzene	<2.00	**<20.0**	3
1,4-Dichlorobenzene	<2.00	**<20.0**	3
2-Chloroethyl vinyl Ether	<10.0	<100	NE
Bromodichloromethane	<2.00	<20.0	50
Bromoform	<5.00	<50.0	50
Bromomethane	<2.00	**<20.0**	5
Carbon Tetrachloride	<2.00	**<20.0**	5
Chlorobenzene	<2.00	**<20.0**	5
Chloroethane	<2.00	**<20.0**	5
Chloroform	<2.00	**<20.0**	7
Chloromethane	<2.00	<20.0	NE
Cis-1,2-Dichloroethene	<2.00	**<20.0**	5
Cis-1,3-Dichloropropene	**<2.00**	**<20.0**	The sum of cis & trans 0.4
Dibromochloromethane	<2.00	<20.0	NE
Methylene Chloride	<5.00	**<50.0**	5
Tetrachloroethene	<2.00	**<20.0**	5
Trans-1,2-Dichloroethene	<2.00	**<20.0**	5
Trans-1,3-Dichloropropene	**<2.00**	**<20.0**	The sum of cis & trans 0.4
Trichloroethene (TCE)	**77.3**	**1,220**	5
Trichlorofluoromethane	<2.00	**<20.0**	5
Vinyl Chloride	<2.00	**<20.0**	2

Bold CVOCs = Above NYSDEC Groundwater Quality Standards

Table 1. Summary of Volatile Organic Analyses – Water (Contd.)

Constituent	Water Sample MW-23 10/31/11	Water Sample MW-24S 10/31/11	NYSDEC Groundwater Quality Standards 6 NYCRR 703.5
***Chlorinated Volatile Organic* Compounds (CVOCs)**	Concentration (ug/l or ppb)		
1,1,1-Trichloroethane (TCA)	**6.70**	**20.4**	5
1,1,2,2-Tetrachloroethane	<2.00	<2.00	5
1,1,2-Trichloroethane	<2.00	<2.00	1
1,1-Dichloroethane	<2.00	<2.00	5
1,1-Dichloroethene (DCE)	**<2.00**	**<2.00**	5
1,2-Dichlorobenzene	<2.00	<2.00	3
1,2-Dichloroethane	<2.00	<2.00	0.6
1,2-Dichloropropane	<2.00	<2.00	1
1,3-Dichlorobenzene	<2.00	<2.00	3
1,4-Dichlorobenzene	<2.00	<2.00	3
2-Chloroethyl vinyl Ether	<10.0	<10.0	NE
Bromodichloromethane	<2.00	<2.00	50
Bromoform	<5.00	<5.00	50
Bromomethane	<2.00	<2.00	5
Carbon Tetrachloride	<2.00	<2.00	5
Chlorobenzene	<2.00	<2.00	5
Chloroethane	<2.00	<2.00	5
Chloroform	<2.00	<2.00	7
Chloromethane	<2.00	<2.00	NE
Cis-1,2-Dichloroethene	<2.00	<2.00	5
Cis-1,3-Dichloropropene	<2.00	<2.00	The sum of cis & trans 0.4
Dibromochloromethane	<2.00	<2.00	NE
Methylene Chloride	<5.00	<5.00	5
Tetrachloroethene	<2.00	<2.00	5
Trans-1,2-Dichloroethene	<2.00	<2.00	5
Trans-1,3-Dichloropropene	<2.00	<2.00	The sum of cis & trans 0.4
Trichloroethene (TCE)	**21.6**	**24.1**	5
Trichlorofluoromethane	<2.00	<2.00	5
Vinyl Chloride	<2.00	<2.00	2

Bold CVOCs = Above NYSDEC Groundwater Quality Standards

Appendix D
Analytical Data and Chain of Custody Records

PARADIGM

ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Tri Tech EHS, Inc.

For Lab Project # 11-4736
Issued November 16, 2011
This report contains a total of 15 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"<" = analyzed for but not detected at or above the reporting limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Tri Tech EHS, Inc.

Client Job Site:	Modock Springs Long Term Monitoring Program	**Lab Project Number:**	11-4736
		Lab Sample Number:	15939
Client Job Number:	0047		
Field Location:	MW4	**Date Sampled:**	10/30/2011
Field ID Number:	N/A	**Date Received:**	11/02/2011
Sample Type:	Water	**Date Analyzed:**	11/09/2011

Compound	Results in ug / L	Compound	Results in ug / L
Bromodichloromethane	< 2.00	1,1-Dichloroethene	< 2.00
Bromoform	< 5.00	cis-1,2-Dichloroethene	< 2.00
Bromomethane	< 2.00	trans-1,2-Dichloroethene	< 2.00
Carbon Tetrachloride	< 2.00	1,2-Dichloropropane	< 2.00
Chlorobenzene	< 2.00	cis-1,3-Dichloropropene	< 2.00
Chloroethane	< 2.00	trans-1,3-Dichloropropene	< 2.00
2-Chloroethyl vinyl Ether	< 10.0	Methylene chloride	< 5.00
Chloroform	< 2.00	1,1,2,2-Tetrachloroethane	< 2.00
Chloromethane	< 2.00	Tetrachloroethene	< 2.00
Dibromochloromethane	< 2.00	1,1,1-Trichloroethane	14.3
1,2-Dichlorobenzene	< 2.00	1,1,2-Trichloroethane	< 2.00
1,3-Dichlorobenzene	< 2.00	Trichloroethene	20.7
1,4-Dichlorobenzene	< 2.00	Trichlorofluoromethane	< 2.00
1,1-Dichloroethane	< 2.00	Vinyl chloride	< 2.00
1,2-Dichloroethane	< 2.00		

ELAP Number 10958 Method: EPA 8260B Data File: V93171.D

Comments: ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Tri Tech EHS, Inc.

Client Job Site:	Modock Springs Long Term Monitoring Program	**Lab Project Number:**	11-4736
		Lab Sample Number:	15940
Client Job Number:	0047		
Field Location:	SC-1	**Date Sampled:**	10/31/2011
Field ID Number:	N/A	**Date Received:**	11/02/2011
Sample Type:	Water	**Date Analyzed:**	11/09/2011

Compound	Results in ug / L	Compound	Results in ug / L
Bromodichloromethane	< 2.00	1,1-Dichloroethene	2.17
Bromoform	< 5.00	cis-1,2-Dichloroethene	< 2.00
Bromomethane	< 2.00	trans-1,2-Dichloroethene	< 2.00
Carbon Tetrachloride	< 2.00	1,2-Dichloropropane	< 2.00
Chlorobenzene	< 2.00	cis-1,3-Dichloropropene	< 2.00
Chloroethane	< 2.00	trans-1,3-Dichloropropene	< 2.00
2-Chloroethyl vinyl Ether	< 10.0	Methylene chloride	< 5.00
Chloroform	< 2.00	1,1,2,2-Tetrachloroethane	< 2.00
Chloromethane	< 2.00	Tetrachloroethene	< 2.00
Dibromochloromethane	< 2.00	1,1,1-Trichloroethane	15.1
1,2-Dichlorobenzene	< 2.00	1,1,2-Trichloroethane	< 2.00
1,3-Dichlorobenzene	< 2.00	Trichloroethene	56.3
1,4-Dichlorobenzene	< 2.00	Trichlorofluoromethane	< 2.00
1,1-Dichloroethane	< 2.00	Vinyl chloride	< 2.00
1,2-Dichloroethane	< 2.00		

ELAP Number 10958 Method: EPA 8260B Data File: V93172.D

Comments: ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Tri Tech EHS, Inc.

Client Job Site:	Modock Springs Long Term Monitoring Program	**Lab Project Number:**	11-4736
		Lab Sample Number:	15941
Client Job Number:	0047		
Field Location:	SS+G MW3	**Date Sampled:**	11/01/2011
Field ID Number:	N/A	**Date Received:**	11/02/2011
Sample Type:	Water	**Date Analyzed:**	11/09/2011

Compound	Results in ug / L	Compound	Results in ug / L
Bromodichloromethane	< 2.00	1,1-Dichloroethene	< 2.00
Bromoform	< 5.00	cis-1,2-Dichloroethene	< 2.00
Bromomethane	< 2.00	trans-1,2-Dichloroethene	< 2.00
Carbon Tetrachloride	< 2.00	1,2-Dichloropropane	< 2.00
Chlorobenzene	< 2.00	cis-1,3-Dichloropropene	< 2.00
Chloroethane	< 2.00	trans-1,3-Dichloropropene	< 2.00
2-Chloroethyl vinyl Ether	< 10.0	Methylene chloride	< 5.00
Chloroform	< 2.00	1,1,2,2-Tetrachloroethane	< 2.00
Chloromethane	< 2.00	Tetrachloroethene	< 2.00
Dibromochloromethane	< 2.00	1,1,1-Trichloroethane	16.0
1,2-Dichlorobenzene	< 2.00	1,1,2-Trichloroethane	< 2.00
1,3-Dichlorobenzene	< 2.00	Trichloroethene	6.39
1,4-Dichlorobenzene	< 2.00	Trichlorofluoromethane	< 2.00
1,1-Dichloroethane	< 2.00	Vinyl chloride	< 2.00
1,2-Dichloroethane	< 2.00		

ELAP Number 10958 Method: EPA 8260B Data File: V93173.D

Comments: ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Tri Tech EHS, Inc.

Client Job Site:	Modock Springs Long Term Monitoring Program	**Lab Project Number:**	11-4736
		Lab Sample Number:	15942
Client Job Number:	0047		
Field Location:	MW14	**Date Sampled:**	10/31/2011
Field ID Number:	N/A	**Date Received:**	11/02/2011
Sample Type:	Water	**Date Analyzed:**	11/09/2011

Compound	Results in ug / L	Compound	Results in ug / L
Bromodichloromethane	< 2.00	1,1-Dichloroethene	5.06
Bromoform	< 5.00	cis-1,2-Dichloroethene	< 2.00
Bromomethane	< 2.00	trans-1,2-Dichloroethene	< 2.00
Carbon Tetrachloride	< 2.00	1,2-Dichloropropane	< 2.00
Chlorobenzene	< 2.00	cis-1,3-Dichloropropene	< 2.00
Chloroethane	< 2.00	trans-1,3-Dichloropropene	< 2.00
2-Chloroethyl vinyl Ether	< 10.0	Methylene chloride	< 5.00
Chloroform	< 2.00	1,1,2,2-Tetrachloroethane	< 2.00
Chloromethane	< 2.00	Tetrachloroethene	< 2.00
Dibromochloromethane	< 2.00	1,1,1-Trichloroethane	41.4
1,2-Dichlorobenzene	< 2.00	1,1,2-Trichloroethane	< 2.00
1,3-Dichlorobenzene	< 2.00	Trichloroethene	166
1,4-Dichlorobenzene	< 2.00	Trichlorofluoromethane	< 2.00
1,1-Dichloroethane	< 2.00	Vinyl chloride	< 2.00
1,2-Dichloroethane	< 2.00		

ELAP Number 10958 Method: EPA 8260B Data File: V93174.D

Comments: ug / L = microgram per Liter

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Tri Tech EHS, Inc.

Client Job Site:	Modock Springs Long Term Monitoring Program	**Lab Project Number:**	11-4736
		Lab Sample Number:	15943
Client Job Number:	0047		
Field Location:	MW10	**Date Sampled:**	10/30/2011
Field ID Number:	N/A	**Date Received:**	11/02/2011
Sample Type:	Water	**Date Analyzed:**	11/09/2011

Compound	Results in ug / L	Compound	Results in ug / L
Bromodichloromethane	< 2.00	1,1-Dichloroethene	< 2.00
Bromoform	< 5.00	cis-1,2-Dichloroethene	< 2.00
Bromomethane	< 2.00	trans-1,2-Dichloroethene	< 2.00
Carbon Tetrachloride	< 2.00	1,2-Dichloropropane	< 2.00
Chlorobenzene	< 2.00	cis-1,3-Dichloropropene	< 2.00
Chloroethane	< 2.00	trans-1,3-Dichloropropene	< 2.00
2-Chloroethyl vinyl Ether	< 10.0	Methylene chloride	< 5.00
Chloroform	< 2.00	1,1,2,2-Tetrachloroethane	< 2.00
Chloromethane	< 2.00	Tetrachloroethene	< 2.00
Dibromochloromethane	< 2.00	1,1,1-Trichloroethane	< 2.00
1,2-Dichlorobenzene	< 2.00	1,1,2-Trichloroethane	< 2.00
1,3-Dichlorobenzene	< 2.00	Trichloroethene	20.8
1,4-Dichlorobenzene	< 2.00	Trichlorofluoromethane	< 2.00
1,1-Dichloroethane	< 2.00	Vinyl chloride	< 2.00
1,2-Dichloroethane	< 2.00		

ELAP Number 10958 Method: EPA 8260B Data File: V93175.D

Comments: ug / L = microgram per Liter
Surrogate outliers indicate probable matrix interference.

Signature: 

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Tri Tech EHS, Inc.

Client Job Site:	Modock Springs Long Term Monitoring Program	**Lab Project Number:**	11-4736
		Lab Sample Number:	15944
Client Job Number:	0047		
Field Location:	MW13	**Date Sampled:**	10/31/2011
Field ID Number:	N/A	**Date Received:**	11/02/2011
Sample Type:	Water	**Date Analyzed:**	11/09/2011

Compound	Results in ug / L	Compound	Results in ug / L
Bromodichloromethane	< 2.00	1,1-Dichloroethene	< 2.00
Bromoform	< 5.00	cis-1,2-Dichloroethene	< 2.00
Bromomethane	< 2.00	trans-1,2-Dichloroethene	< 2.00
Carbon Tetrachloride	< 2.00	1,2-Dichloropropane	< 2.00
Chlorobenzene	< 2.00	cis-1,3-Dichloropropene	< 2.00
Chloroethane	< 2.00	trans-1,3-Dichloropropene	< 2.00
2-Chloroethyl vinyl Ether	< 10.0	Methylene chloride	< 5.00
Chloroform	< 2.00	1,1,2,2-Tetrachloroethane	< 2.00
Chloromethane	< 2.00	Tetrachloroethene	< 2.00
Dibromochloromethane	< 2.00	1,1,1-Trichloroethane	37.8
1,2-Dichlorobenzene	< 2.00	1,1,2-Trichloroethane	< 2.00
1,3-Dichlorobenzene	< 2.00	Trichloroethene	31.8
1,4-Dichlorobenzene	< 2.00	Trichlorofluoromethane	< 2.00
1,1-Dichloroethane	< 2.00	Vinyl chloride	< 2.00
1,2-Dichloroethane	< 2.00		

ELAP Number 10958 Method: EPA 8260B Data File: V93176.D

Comments: ug / L = microgram per Liter
Surrogate outliers indicate probable matrix interference

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Tri Tech EHS, Inc.

Client Job Site:	Modock Springs Long Term Monitoring Program	**Lab Project Number:**	11-4736
		Lab Sample Number:	15945
Client Job Number:	0047		
Field Location:	MW16	**Date Sampled:**	10/30/2011
Field ID Number:	N/A	**Date Received:**	11/02/2011
Sample Type:	Water	**Date Analyzed:**	11/10/2011

Compound	Results in ug / L	Compound	Results in ug / L
Bromodichloromethane	< 2.00	1,1-Dichloroethene	2.41
Bromoform	< 5.00	cis-1,2-Dichloroethene	< 2.00
Bromomethane	< 2.00	trans-1,2-Dichloroethene	< 2.00
Carbon Tetrachloride	< 2.00	1,2-Dichloropropane	< 2.00
Chlorobenzene	< 2.00	cis-1,3-Dichloropropene	< 2.00
Chloroethane	< 2.00	trans-1,3-Dichloropropene	< 2.00
2-Chloroethyl vinyl Ether	< 10.0	Methylene chloride	< 5.00
Chloroform	< 2.00	1,1,2,2-Tetrachloroethane	< 2.00
Chloromethane	< 2.00	Tetrachloroethene	< 2.00
Dibromochloromethane	< 2.00	1,1,1-Trichloroethane	53.0
1,2-Dichlorobenzene	< 2.00	1,1,2-Trichloroethane	< 2.00
1,3-Dichlorobenzene	< 2.00	Trichloroethene	51.6
1,4-Dichlorobenzene	< 2.00	Trichlorofluoromethane	< 2.00
1,1-Dichloroethane	< 2.00	Vinyl chloride	< 2.00
1,2-Dichloroethane	< 2.00		

ELAP Number 10958 Method: EPA 8260B Data File: V93177.D

Comments: ug / L = microgram per Liter
Surrogate outliers indicate probable matrix interference

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Tri Tech EHS, Inc.

Client Job Site:	Modock Springs Long Term Monitoring Program	**Lab Project Number:** **Lab Sample Number:**	11-4736 15946
Client Job Number:	0047		
Field Location:	MW15	**Date Sampled:**	10/30/2011
Field ID Number:	N/A	**Date Received:**	11/02/2011
Sample Type:	Water	**Date Analyzed:**	11/10/2011

Compound	Results in ug / L	Compound	Results in ug / L
Bromodichloromethane	< 2.00	1,1-Dichloroethene	< 2.00
Bromoform	< 5.00	cis-1,2-Dichloroethene	< 2.00
Bromomethane	< 2.00	trans-1,2-Dichloroethene	< 2.00
Carbon Tetrachloride	< 2.00	1,2-Dichloropropane	< 2.00
Chlorobenzene	< 2.00	cis-1,3-Dichloropropene	< 2.00
Chloroethane	< 2.00	trans-1,3-Dichloropropene	< 2.00
2-Chloroethyl vinyl Ether	< 10.0	Methylene chloride	< 5.00
Chloroform	< 2.00	1,1,2,2-Tetrachloroethane	< 2.00
Chloromethane	< 2.00	Tetrachloroethene	< 2.00
Dibromochloromethane	< 2.00	1,1,1-Trichloroethane	12.8
1,2-Dichlorobenzene	< 2.00	1,1,2-Trichloroethane	< 2.00
1,3-Dichlorobenzene	< 2.00	Trichloroethene	19.1
1,4-Dichlorobenzene	< 2.00	Trichlorofluoromethane	< 2.00
1,1-Dichloroethane	< 2.00	Vinyl chloride	< 2.00
1,2-Dichloroethane	< 2.00		

ELAP Number 10958 Method: EPA 8260B Data File: V93178.D

Comments: ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger: Technical Director

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Tri Tech EHS, Inc.

Client Job Site:	Modock Springs Long Term Monitoring Program	**Lab Project Number:**	11-4736
		Lab Sample Number:	15947
Client Job Number:	0047		
Field Location:	MW24S	**Date Sampled:**	10/31/2011
Field ID Number:	N/A	**Date Received:**	11/02/2011
Sample Type:	Water	**Date Analyzed:**	11/10/2011

Compound	Results in ug / L	Compound	Results in ug / L
Bromodichloromethane	< 2.00	1,1-Dichloroethene	< 2.00
Bromoform	< 5.00	cis-1,2-Dichloroethene	< 2.00
Bromomethane	< 2.00	trans-1,2-Dichloroethene	< 2.00
Carbon Tetrachloride	< 2.00	1,2-Dichloropropane	< 2.00
Chlorobenzene	< 2.00	cis-1,3-Dichloropropene	< 2.00
Chloroethane	< 2.00	trans-1,3-Dichloropropene	< 2.00
2-Chloroethyl vinyl Ether	< 10.0	Methylene chloride	< 5.00
Chloroform	< 2.00	1,1,2,2-Tetrachloroethane	< 2.00
Chloromethane	< 2.00	Tetrachloroethene	< 2.00
Dibromochloromethane	< 2.00	1,1,1-Trichloroethane	20.4
1,2-Dichlorobenzene	< 2.00	1,1,2-Trichloroethane	< 2.00
1,3-Dichlorobenzene	< 2.00	Trichloroethene	24.1
1,4-Dichlorobenzene	< 2.00	Trichlorofluoromethane	< 2.00
1,1-Dichloroethane	< 2.00	Vinyl chloride	< 2.00
1,2-Dichloroethane	< 2.00		

ELAP Number 10958 Method: EPA 8260B Data File: V93179.D

Comments: ug / L = microgram per Liter
Surrogate outliers indicate probable matrix interference

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Tri Tech EHS, Inc.

Client Job Site:	Modock Springs Long Term Monitoring Program	**Lab Project Number:**	11-4736
		Lab Sample Number:	15948
Client Job Number:	0047		
Field Location:	MW23	**Date Sampled:**	10/31/2011
Field ID Number:	N/A	**Date Received:**	11/02/2011
Sample Type:	Water	**Date Analyzed:**	11/10/2011

Compound	Results in ug / L	Compound	Results in ug / L
Bromodichloromethane	< 2.00	1,1-Dichloroethene	< 2.00
Bromoform	< 5.00	cis-1,2-Dichloroethene	< 2.00
Bromomethane	< 2.00	trans-1,2-Dichloroethene	< 2.00
Carbon Tetrachloride	< 2.00	1,2-Dichloropropane	< 2.00
Chlorobenzene	< 2.00	cis-1,3-Dichloropropene	< 2.00
Chloroethane	< 2.00	trans-1,3-Dichloropropene	< 2.00
2-Chloroethyl vinyl Ether	< 10.0	Methylene chloride	< 5.00
Chloroform	< 2.00	1,1,2,2-Tetrachloroethane	< 2.00
Chloromethane	< 2.00	Tetrachloroethene	< 2.00
Dibromochloromethane	< 2.00	1,1,1-Trichloroethane	6.70
1,2-Dichlorobenzene	< 2.00	1,1,2-Trichloroethane	< 2.00
1,3-Dichlorobenzene	< 2.00	Trichloroethene	21.6
1,4-Dichlorobenzene	< 2.00	Trichlorofluoromethane	< 2.00
1,1-Dichloroethane	< 2.00	Vinyl chloride	< 2.00
1,2-Dichloroethane	< 2.00		

ELAP Number 10958 Method: EPA 8260B Data File: V93180.D

Comments: ug / L = microgram per Liter
Surrogate outliers indicate probable matrix interference

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Tri Tech EHS, Inc.

Client Job Site:	Modock Springs Long Term Monitoring Program	**Lab Project Number:**	11-4736
		Lab Sample Number:	15949
Client Job Number:	0047		
Field Location:	MW17S	**Date Sampled:**	10/31/2011
Field ID Number:	N/A	**Date Received:**	11/02/2011
Sample Type:	Water	**Date Analyzed:**	11/10/2011

Compound	Results in ug / L	Compound	Results in ug / L
Bromodichloromethane	< 2.00	1,1-Dichloroethene	2.74
Bromoform	< 5.00	cis-1,2-Dichloroethene	< 2.00
Bromomethane	< 2.00	trans-1,2-Dichloroethene	< 2.00
Carbon Tetrachloride	< 2.00	1,2-Dichloropropane	< 2.00
Chlorobenzene	< 2.00	cis-1,3-Dichloropropene	< 2.00
Chloroethane	< 2.00	trans-1,3-Dichloropropene	< 2.00
2-Chloroethyl vinyl Ether	< 10.0	Methylene chloride	< 5.00
Chloroform	< 2.00	1,1,2,2-Tetrachloroethane	< 2.00
Chloromethane	< 2.00	Tetrachloroethene	< 2.00
Dibromochloromethane	< 2.00	1,1,1-Trichloroethane	65.6
1,2-Dichlorobenzene	< 2.00	1,1,2-Trichloroethane	3.03
1,3-Dichlorobenzene	< 2.00	Trichloroethene	77.3
1,4-Dichlorobenzene	< 2.00	Trichlorofluoromethane	< 2.00
1,1-Dichloroethane	< 2.00	Vinyl chloride	< 2.00
1,2-Dichloroethane	< 2.00		

ELAP Number 10958 Method: EPA 8260B Data File: V93181.D

Comments: ug / L = microgram per Liter
Surrogate outliers indicate probable matrix interference

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Tri Tech EHS, Inc.

Client Job Site:	Modock Springs Long Term Monitoring Program	**Lab Project Number:**	11-4736
		Lab Sample Number:	15950
Client Job Number:	0047		
Field Location:	Trip Blank	**Date Sampled:**	10/27/2011
Field ID Number:	N/A	**Date Received:**	11/02/2011
Sample Type:	Water	**Date Analyzed:**	11/09/2011

Compound	Results in ug / L	Compound	Results in ug / L
Bromodichloromethane	< 2.00	1,1-Dichloroethene	< 2.00
Bromoform	< 5.00	cis-1,2-Dichloroethene	< 2.00
Bromomethane	< 2.00	trans-1,2-Dichloroethene	< 2.00
Carbon Tetrachloride	< 2.00	1,2-Dichloropropane	< 2.00
Chlorobenzene	< 2.00	cis-1,3-Dichloropropene	< 2.00
Chloroethane	< 2.00	trans-1,3-Dichloropropene	< 2.00
2-Chloroethyl vinyl Ether	< 10.0	Methylene chloride	< 5.00
Chloroform	< 2.00	1,1,2,2-Tetrachloroethane	< 2.00
Chloromethane	< 2.00	Tetrachloroethene	< 2.00
Dibromochloromethane	< 2.00	1,1,1-Trichloroethane	< 2.00
1,2-Dichlorobenzene	< 2.00	1,1,2-Trichloroethane	< 2.00
1,3-Dichlorobenzene	< 2.00	Trichloroethene	< 2.00
1,4-Dichlorobenzene	< 2.00	Trichlorofluoromethane	< 2.00
1,1-Dichloroethane	< 2.00	Vinyl chloride	< 2.00
1,2-Dichloroethane	< 2.00		

ELAP Number 10958 Method: EPA 8260B Data File: V93156.D

Comments: ug / L = microgram per Liter

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
COMPANY: TRITECH EHS, INC.	COMPANY: Same SYRACUSE SHPO + BRUCE	LAB PROJECT #: 11-4736 / CLIENT PROJECT #: 0047
ADDRESS: 1100 UNIVERSITY AVE S-110	ADDRESS: 1389 MALONE RD.	TURNAROUND TIME: (WORKING DAYS)
CITY: ROCHESTER STATE: NY ZIP: 14607	CITY: ROCHESTER VICTOR STATE: NY ZIP: 14564	STD / OTHER: 10 DAYS
PHONE: 585-317-7531 (C) FAX: 256-6211 (O)	PHONE: 585-924-7146 FAX: 924-7567	
ATTN: MJ DELCONTE 256-6244 (F)	ATTN: MARK SYRACUSE	Quotation #
PROJECT NAME/SITE NAME: MEDOCK SPRINGS Long TERM MONITORING PROGRAM	COMMENTS: PDB = PASSIVE DIFFUSION BAG	

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	8260	CHLORINATED VOCs ONLY	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 10/30/11	5:15PM		PDB	MW4	GW	3	X			15939
2 10/31/11	6:02PM		PDB	SC-1	G	3	X			15940
3 11/1/11	9:37AM		PDB	SC-4 & MW3	G	3	X			15941
4 10/31/11	6:36PM		PDB	MW14	G	3	X			15942
5 10/30/11	4:05PM		PDB	MW10	G	3	X			15943
6 10/31/11	5:21PM		PDB	MW13	G	3	X			15944
7 10/30/11	6:42PM		PDB	MW16	G	3	X			15945
8 10/30/11	6:17PM		PDB	MW15	G	3	X			15946
9 10/31/11	6:43AM		PDB	MW24S	G	3	X			15947
10 10/31/11	6:14AM		PDB	MW23	G	3	X			15948

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☒	N ☐
Comments:		
Preservation:	Y ☒	N ☐
Comments:		
Holding Time:	Y ☒	N ☐
Comments:		
Temperature: 4°C iced	Y ☒	N ☐
Comments:		

MJ DELCONTE — SEE ABOVE DATES & TIMES
Sampled By AGENT TRITECH Date/Time — Total Cost:

MJ DELCONTE — 11/2/11 4:27 PM
Relinquished By PRESIDENT TRITECH Date/Time

Received By — 11/2/11 1640 — P.I.F.

Received @ Lab By — 11/2/11 1655
Date/Time

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:	INVOICE TO:	
COMPANY: TRITECH EHS, INC.	COMPANY: Same SYRACUSE STAND + CENTER	LAB PROJECT #: 11-4736 / CLIENT PROJECT #: 0047
ADDRESS: 1100 UNIVERSITY AVE - S-110	ADDRESS: 1759 MALONE RD	TURNAROUND TIME: (WORKING DAYS)
CITY: ROCHESTER STATE: NY ZIP: 14607	CITY: VICTOR STATE: NY ZIP: 14564	STD / OTHER: 10 DAYS
PHONE: 585-317-7831 (C) FAX: 256-6211 (O) 256-6244 (F)	PHONE: 585-924-7146 FAX: 924-7967	
ATTN: MJ DELCONTE	ATTN: MARK SYRACUSE	
COMMENTS: POB = PASSIVE DIFFUSION BAG		Quotation #

PROJECT NAME/SITE NAME: MODOAC SPRINGS LONG TERM MONITORING PROGRAM

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	BTEX	CHLORINATED VOCS GW/CA							REMARKS	PARADIGM LAB SAMPLE NUMBER
1	10/31/11	5:03 PM		PDB	MW175	GW	3	X									15949
2	10/27/11	0700			Trip Blank	W	3	X								Trip Blank not made at Paradigm. Analyze trip blank per MD 11/2. EAH 11/2	15950
3	per sample label																
4		EAH 11/2															
5																	
6																	
7																	
8																	
9																	
10																	

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☒	N ☐
Comments:		
Preservation:	Y ☒	N ☐
Comments:		
Holding Time:	Y ☒	N ☐
Comments:		
Temperature: 4°C iced	Y ☒	N ☐
Comments:		

MJ DELCONTE	SEE ABOVE DATES + TIMES	Total Cost:
Sampled By	Date/Time	
MJ DELCONTE	11/2/11 4:25 PM	
Relinquished By	Date/Time	
	11/2/11 1640	
Received By	Date/Time	P.I.F.
	11/2/11 1655	
Received @ Lab By	Date/Time	

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Syracusa Sand & Gravel

For Lab Project # 11-5607
Issued January 9, 2012
This report contains a total of 5 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"<" = analyzed for but not detected at or above the reporting limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Syracusa Sand & Gravel

Client Job Site:	Modock Springs Long Term Groundwater Monitoring Program	**Lab Project Number:**	11-5607
		Lab Sample Number:	18348
Client Job Number:	444444		
Field Location:	MW13	**Date Sampled:**	12/28/2011
Field ID Number:	N/A	**Date Received:**	12/29/2011
Sample Type:	Water	**Date Analyzed:**	01/03/2012

Compound	Results in ug / L	Compound	Results in ug / L
Bromodichloromethane	< 2.00	1,1-Dichloroethene	11.2
Bromoform	< 5.00	cis-1,2-Dichloroethene	< 2.00
Bromomethane	< 2.00	trans-1,2-Dichloroethene	< 2.00
Carbon Tetrachloride	< 2.00	1,2-Dichloropropane	< 2.00
Chlorobenzene	< 2.00	cis-1,3-Dichloropropene	< 2.00
Chloroethane	< 2.00	trans-1,3-Dichloropropene	< 2.00
2-Chloroethyl vinyl Ether	< 10.0	Methylene chloride	< 5.00
Chloroform	< 2.00	1,1,2,2-Tetrachloroethane	< 2.00
Chloromethane	< 2.00	Tetrachloroethene	< 2.00
Dibromochloromethane	< 2.00	1,1,1-Trichloroethane	71.9
1,2-Dichlorobenzene	< 2.00	1,1,2-Trichloroethane	< 2.00
1,3-Dichlorobenzene	< 2.00	Trichloroethene	104
1,4-Dichlorobenzene	< 2.00	Trichlorofluoromethane	< 2.00
1,1-Dichloroethane	< 2.00	Vinyl chloride	< 2.00
1,2-Dichloroethane	< 2.00		

ELAP Number 10958 Method: EPA 8260B Data File: V94614.D

Comments: ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger, Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Syracusa Sand & Gravel

Client Job Site:	Modock Springs Long Term Groundwater Monitoring Program	**Lab Project Number:**	11-5607
		Lab Sample Number:	18349
Client Job Number:	444444		
Field Location:	MW17S	**Date Sampled:**	12/28/2011
Field ID Number:	N/A	**Date Received:**	12/29/2011
Sample Type:	Water	**Date Analyzed:**	01/05/2012

Compound	Results in ug / L	Compound	Results in ug / L
Bromodichloromethane	< 20.0	1,1-Dichloroethene	21.5
Bromoform	< 50.0	cis-1,2-Dichloroethene	< 20.0
Bromomethane	< 20.0	trans-1,2-Dichloroethene	< 20.0
Carbon Tetrachloride	< 20.0	1,2-Dichloropropane	< 20.0
Chlorobenzene	< 20.0	cis-1,3-Dichloropropene	< 20.0
Chloroethane	< 20.0	trans-1,3-Dichloropropene	< 20.0
2-Chloroethyl vinyl Ether	< 100	Methylene chloride	< 50.0
Chloroform	< 20.0	1,1,2,2-Tetrachloroethane	< 20.0
Chloromethane	< 20.0	Tetrachloroethene	< 20.0
Dibromochloromethane	< 20.0	1,1,1-Trichloroethane	102
1,2-Dichlorobenzene	< 20.0	1,1,2-Trichloroethane	< 20.0
1,3-Dichlorobenzene	< 20.0	Trichloroethene	1,220
1,4-Dichlorobenzene	< 20.0	Trichlorofluoromethane	< 20.0
1,1-Dichloroethane	< 20.0	Vinyl chloride	< 20.0
1,2-Dichloroethane	< 20.0		

ELAP Number 10958 Method: EPA 8260B Data File: V94654.D

Comments: ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

Volatile Analysis Report for Non-potable Water

Client: Syracusa Sand & Gravel

Client Job Site:	Modock Springs Long Term Groundwater Monitoring Program	**Lab Project Number:**	11-5607
		Lab Sample Number:	18350
Client Job Number:	444444		
Field Location:	MW16	**Date Sampled:**	12/28/2011
Field ID Number:	N/A	**Date Received:**	12/29/2011
Sample Type:	Water	**Date Analyzed:**	01/05/2012

Compound	Results in ug / L	Compound	Results in ug / L
Bromodichloromethane	< 10.0	1,1-Dichloroethene	17.2
Bromoform	< 25.0	cis-1,2-Dichloroethene	< 10.0
Bromomethane	< 10.0	trans-1,2-Dichloroethene	< 10.0
Carbon Tetrachloride	< 10.0	1,2-Dichloropropane	< 10.0
Chlorobenzene	< 10.0	cis-1,3-Dichloropropene	< 10.0
Chloroethane	< 10.0	trans-1,3-Dichloropropene	< 10.0
2-Chloroethyl vinyl Ether	< 50.0	Methylene chloride	< 25.0
Chloroform	< 10.0	1,1,2,2-Tetrachloroethane	< 10.0
Chloromethane	< 10.0	Tetrachloroethene	< 10.0
Dibromochloromethane	< 10.0	1,1,1-Trichloroethane	82.6
1,2-Dichlorobenzene	< 10.0	1,1,2-Trichloroethane	< 10.0
1,3-Dichlorobenzene	< 10.0	Trichloroethene	464
1,4-Dichlorobenzene	< 10.0	Trichlorofluoromethane	< 10.0
1,1-Dichloroethane	< 10.0	Vinyl chloride	< 10.0
1,2-Dichloroethane	< 10.0		

ELAP Number 10958 Method: EPA 8260B Data File: V94655.D

Comments: ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

17

CHAIN OF CUSTODY

11-S607

REPORT TO:	INVOICE TO:	
COMPANY: SYRACUSA SAND & GRAVEL	COMPANY: SAME	LAB PROJECT #: 444444 / CLIENT PROJECT #: 444444
ADDRESS: 1389 MALONE ROAD	ADDRESS:	
CITY: VICTOR STATE: NY ZIP: 14564	CITY: STATE: ZIP:	TURNAROUND TIME: (WORKING DAYS) STD ☐ OTHER 10
PHONE: 585-703-1703 FAX:	PHONE: FAX:	☐1 ☐2 ☐3 ☐5
PROJECT NAME/SITE NAME: MOCK SPRINGS LONG TERM GROUNDWATER MONITORING PROGRAM	ATTN: MARK SYRACUSA	ATTN:
COMMENTS: PDB = PASSIVE DIFFUSION BAG - GROUNDWATER POWER 2 p.m.		QUOTE #: CLIENT AGREEMENT WITH BRUCE AT PARADIGM

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	CHLORINATED VOCS 8260	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 12/28/11	5:25PM		PDB	MW13	W	2	X	CHLORINATED COMPOUNDS ONLY 8260 VOCS	18348
2 12/28/11	5:39PM		PDB	MW17S	W	2	X		18349
3 12/28/11	5:47PM		PDB	MW16	W	2	X		18350
4									
5								SEND REPORT ALSO	
6								TO TRITECH EHS, INC.	
7								MDELCONTE@TRITECHEHS.COM	
8									
9									
10									

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☒	N ☐
Comments:		
Preservation:	Y ☒	N ☐
Comments:		
Holding Time:	Y ☒	N ☐
Comments:		
Temperature:	Y ☒	N ☐
Comments: 2°Iced		

Mary Joy DelConte — 12/28/11 SEE ABOVE TIMES
Sampled By PRESIDENT TRITECH — Date/Time

Mary Joy DelConte — 12/29/11 7:38AM
Relinquished By PRESIDENT TRITECH — Date/Time

12/29/11 7:38
Received By — Date/Time

Elizabeth A Honch — 12/29/11 1120
Received @ Lab By — Date/Time

Total Cost:

P.I.F.

Appendix E
Site CVOC Groundwater Well Sample Analyses Trend Chart

Modock Springs DLS Sand and Graveol, Inc. Site CVOC Groundwater Well Sample Analyses Trend Chart																			
SS&G MW-3	4/24/2001	6/6/2007	6/30/2008	5/6/2009	9/21/2009	8/10/2010	11/1/2011												
TCE	327	28	18	24	25	16	6.39												
TCA	224	45	29	40	30	19	16.00												
DCE	52.9	6	0	5	5.4	3.8	<2.00												
TCVPCs	603.9	79	47	69	60.4	38.8	22.39												
MW-15	6/6/2007	6/30/2008	5/5/2009	8/10/2010	10/31/2011														
TCE	1.8	0	1	2.7	19.1														
TCA	60	57	65	45	12.8														
DCE	11	21	10	8.7	<2.00														
TCVPCs	72.8	78	76	56.4	31.9														
MW-13	11/10/2000	5/23/2001	10/31/2003	11/17/2006	6/6/2007	6/30/2008	5/5/2009	9/21/2009	8/10/2010	10/31/2011	12/28/2011								
TCE	610	450	340	180	150	150	150	150	150	31.8	104								
TCA	540	400	260	180	150	180	170	130	120	37.8	71.9								
DCE	66	58	31	31	20	24	23	23	20	<2.00	11.2								
TCVPCs	1216	908	631	391	320	354	343	303	290	69.6	187.1								
MW-14	11/10/2000	5/23/2001	10/31/2003	11/18/2004	3/2/2005	9/15/2006	11/17/2006	6/6/2007	6/30/2008	5/5/2009	9/21/2009	8/10/2010	10/31/2011						
TCE	11000	3300	1000	950	1400	2600	470	1100	410	450	550	150	166						
TCA	4600	880	210	200	280	360	150	250	120	110	100	31	41.4						
DCE	570	120	32	28	54	45	23	38	16	14	17	5.3	5.06						
TCVPCs	16170	4300	1242	1178	1734	3005	643	1388	546	574	667	186.3	212.46						
MW-17S	6/6/2007	6/30/2008	5/5/2009	8/10/2010	10/31/2011	12/28/2011													
TCE	850	2300	3700	2700	77.3	1,220													
TCA	81	330	410	250	65.6	102													
DCE	26	55	120	62	2.74	21.5													
TCVPCs	957	2685	4230	3012	145.64	1,344													
MW-16	6/6/2007	6/30/2008	5/5/2009	8/10/2010	10/30/2011	12/28/2011													
TCE	350	340	520	450	51.6	464													
TCA	98	120	150	86	53.0	82.6													
DCE	19	21	25	0	2.41	17.2													
TCVPCs	467	481	695	536	107.01	563.8													
MW-24S	8/20/2008	5/5/2009	8/10/2010	10/31/2011															
TCE	210	190	150	24.1															
TCA	62	64	46	20.4															
DCE	9	9	10	<2.00															
TCVPCs	281	263	206	44.5															
MW-23	8/20/2008	5/5/2009	8/10/2010	10/31/2011															
TCE	3	47	3.6	21.6															
TCA	1	13	2.6	6.7															
DCE	0	2	0	<2.00															
TCVPCs	4	62	6.2	28.3															
MW-10	11/9/1999	11/17/2006	6/6/2007	6/30/2008	8/10/2010	10/30/2011													
TCE	0	0	1	0	0.7	20.8													
TCA	3.2	2	3	3	2.9	<2.00													
DCE	0	0	0	0	0	<2.00													
TCVPCs	3.2	2	4	3	3.6	20.8													
MW-4	8/11/1995	8/25/1995	8/7/1996	4/24/1997	7/29/1997	4/30/1998	11/9/1999	5/23/2001	11/18/2004	11/17/2006	6/6/2007	6/30/2008	5/6/2009	9/21/2009	8/10/2010	10/31/2011			
TCE	160	160	200	240	200	180	140	150	200	130	100	120	100	120	120	20.7			
TCA	110	96	150	140	110	74	85	72	79	41	36	40	34	35	34	14.3			
DCE	6.9	5.1	7	5.6	7.7	7.4	9.7	11	10	6	5	5	4	6.5	6.2	<2.00			
TCVPCs	276.9	261.1	357	385.6	317.7	261.4	234.7	233	289	177	141	165	138	161.5	160.2	35.0			
SC-1	8/25/1995	5/9/2000	11/17/2006	2/15/2007	5/9/2007	6/6/2007	10/4/2007	4/25/2008	5/14/2008	6/30/2008	9/21/2009	8/10/2010	10/31/2011						
TCE	110	110	73	100	84	88	110	88	84	77	91	77	56.3						
TCA	64	52	27	35	30	36	33	42	32	31	24	23	15.1						
DCE	0	7.4	4	6	4	4	5.3	6	5	4	3.2	4.1	2.17						
TCVPCs	174	169.4	104	141	118	128	148.3	136	121	112	118.2	104.1	73.57						

Appendix F
Site Records

Table 3
MONITORING WELL INFORMATION
Modock Road Springs/DLS Sand and Gravel, Inc. Site
(NYSDEC HW ID 8-35-013)
Victor, New York

Monitoring Well	Stick Up (SU)/Flush Mount (FM)	Easting (X)	Northing (Y)	Ground Surface Elevation (ft. AMSL)	Elevation at Top of Protective Casing (ft. AMSL)	Elevation at Top of Casing (TOC) (ft. AMSL)	Well Dia. (in.)	Depth to Clay or Silt (ft. bgs)	Elevation of top of Clay or Silt (ft. AMSL)	Approx. Sat. Thickness (ft.)	Total Depth of Well Below TOC (ft.)	Difference in Elevations of Ground Surface and TOC	Screen Length (ft.)	Top of Screen BGS (ft.)	Top of Screen Below TOC (ft.)	Top of Screen Elevation (ft. AMSL)	Bottom of Screen BGS (ft.)	Bottom of Screen Below TOC (ft.)	Bottom of Screen Elevation (ft. AMSL)	Depth to Water Level Below TOC 7/20/08 (ft.)	Height of Standing Water (ft.)
MW-2	SU	588263.97	1087909.93	695.51	N/A	697.37	2	-	-	-	59.87	1.86	10	48.00	49.86	647.51	58.00	59.86	637.51	52.55	7.31
MW-4	SU	588441.53	1088786.81	676.87	676.88	676.61	2	-	-	-	59.70	0.26	10	41.50	41.24	635.37	51.50	51.24	625.37	40.05	11.19
MW-5	SU	587679.19	1088981.04	644.74	N/A	646.91	2	21.5	623.2	12.01	24.70	2.17	10	12.50	14.67	632.24	22.50	24.67	622.24	11.66	13.01
MW-6	SU	588775.36	1087784.07	703.40	N/A	704.25	2	70	633.4	10.40	69.21	0.85	10	59.00	59.85	644.40	69.00	69.85	634.40	60.45	9.40
MW-7	SU	588516.92	1087809.10	707.49	N/A	708.94	2	-	-	-	74.61	1.45	10	64.50	65.95	642.99	74.50	75.95	632.99	64.74	11.21
MW-8	SU	591077.45	1084660.42	734.12	735.80	735.67	2	-	-	-	55.55	1.75	15	45.00	46.75	689.12	60.00	61.75	674.12	49.50	12.25
MW-9	SU	590779.86	1084794.16	734.16	736.96	737.02	2	-	-	-	63.51	2.86	15	50.00	52.86	684.16	65.00	67.86	669.16	51.50	16.36
MW-10	SU	589506.32	1086852.03	728.93	731.42	731.44	2	92	636.9	14.43	90.69	2.51	15	75.00	77.51	653.93	90.00	92.51	638.93	80.08	12.43
MW-11	SU	591416.70	1084566.55	725.95	728.55	728.57	2	-	-	-	53.31	2.62	15	40.00	42.62	685.95	55.00	57.62	670.95	41.31	16.31
MW-12	SU	588431.96	1084937.84	754.99	756.88	756.60	2	-	-	-	62.12	1.61	15	46.00	49.61	706.99	63.00	64.61	691.99	48.57	16.04
MW-13	SU	588448.92	1084510.51	779.82	781.46	781.20	2	-	-	-	73.32	1.38	10	55.00	56.38	724.82	65.00	66.38	714.82	65.75	0.63
MW-14	SU	588721.24	1084489.90	757.37	759.43	759.17	2	-	-	-	82.25	1.80	15	48.00	49.80	709.37	63.00	64.80	694.37	57.04	7.76
MW-15	SU	588244.28	1084508.07	783.89	786.56	786.44	2	113	670.9	53.00	71.55	2.55	10	59.00	61.55	724.89	69.00	71.55	714.89	60.46	11.09
MW-16	SU	589270.88	1084352.25	752.75	754.94	754.95	2	-	-	-	70.20	2.20	10	58.00	60.20	694.75	68.00	70.20	684.75	65.82	4.38
MW-17S	SU	588908.83	1084446.15	757.50	760.11	760.09	2	-	-	-	69.59	2.59	10	57.00	59.59	700.50	67.00	69.59	690.50	58.98	10.61
MW-17D	SU	588904.14	1084436.20	758.48	761.13	761.15	2	90	668.5	33.00	97.67	2.67	5	90.00	92.67	668.48	95.00	97.67	663.48	74.16	23.51
MW-18	SU	588716.55	1084028.15	836.16	838.75	838.62	2	136	700.2	26.00	128.46	2.46	10	116.00	118.46	720.16	126.00	128.46	710.16	111.16	17.30
MW-19	SU	588609.98	1084033.56	836.57	839.42	839.29	2	-	-	-	118.72	2.72	10	106.00	108.72	730.57	116.00	118.72	720.57	106.81	11.91
MW-20	SU	588068.44	1084813.11	759.29	761.97	761.90	2	89.5	669.8	49.50	60.61	2.61	15	43.00	45.61	716.29	58.00	60.61	701.29	41.51	19.10
MW-21	FM	588755.69	1085696.15	729.91	729.91	729.59	2	70	659.9	17.00	69.68	0.32	10	60.00	59.68	669.91	70.00	69.68	659.91	66.53	3.15
MW-22	FM	589614.43	1085399.67	730.29	730.29	729.97	2	58.5	671.8	5.00	59.68	0.32	10	49.00	48.68	681.29	59.00	58.68	671.29	57.26	1.42
MW-23	FM	588039.39	1086756.14	692.57	692.57	692.17	2	-	-	-	47.60	0.40	10	36.00	37.60	654.57	48.00	47.60	644.57	38.28	9.32
MW-24S	FM	588286.09	1085815.36	722.62	722.62	722.31	2	98	-	32.00	74.69	0.31	10	65.00	64.69	657.62	75.00	74.69	647.62	66.00	8.69
MW-24D	FM	588274.20	1085818.54	722.55	722.55	722.20	2	98	624.6	36.00	97.65	0.35	10	88.00	87.65	634.55	98.00	97.65	624.55	65.90	31.75
MW-25	SU	589159.47	1083260.75	790.35	792.85	792.88	2	50.5 & 98	739.9	25.50	50.53	2.55	10	38.00	40.53	752.35	48.00	50.53	742.35	35.71	14.82
MW-26	SU	588658.72	1083631.73	797.86	800.61	800.59	2	88 & 109.5	709.9	21.00	87.73	2.73	10	75.00	77.73	722.86	85.00	87.73	712.86	67.15	20.58
MW-27	FM	589244.17	1086897.13	649.71	649.71	649.37	2	-	-	-	29.66	0.34	20	10.00	9.66	639.71	30.00	29.66	619.71	12.87	16.79
TEST WELL	SU	587975.68	1086866.50	667.54	N/A	669.92	6	-	-	-	54.93	2.38	unknown	-	-	-	-	-	-	33.83	-
GP-2	FM	587771.38	1089561.24	623.05	623.05	622.89	1	-	-	-	14.84	0.16	10	5.00	4.84	618.05	15.00	14.84	608.05	3.00	11.84
GP-3	FM	587501.63	1089684.12	619.46	619.46	619.22	1	-	-	-	15.76	0.24	10	6.00	5.76	613.46	16.00	15.76	603.46	1.20	14.56
GP-4	FM	588022.35	1089534.26	628.06	628.06	627.66	1	18.5	609.6	15.90	17.80	0.20	10	8.00	7.80	620.06	18.00	17.80	610.06	5.07	12.73
GP-6	FM	587262.51	1089743.92	618.60	618.60	618.43	1	-	-	-	14.83	0.17	10	5.00	4.83	613.60	15.00	14.83	603.60	1.75	13.08
Spring PZ-1	SU	587273.67	1089116.94	636.78	N/A	637.03	2	-	-	-	3.33	0.25	2	0.50	0.75	636.28	2.50	2.75	634.28	0.35	2.98
Spring PZ-2	SU	587897.21	1089265.72	627.25	N/A	628.00	2	-	-	-	3.33	0.75	2	0.50	1.25	626.75	2.50	3.25	624.75	0.60	2.73
Spring PZ-3	SU	588094.28	1089229.93	628.92	N/A	629.52	2	-	-	-	3.33	0.60	2	0.50	1.10	628.42	2.50	3.10	626.42	0.40	2.93
SS&G MW-2	SU	588304.96	1083334.31	809.96	812.41	812.23	2	107	703.0	21.00	50.58	2.27	unknown	-	-	-	-	-	-	37.02	-
SS&G MW-3	SU	588313.79	1084011.51	803.55	805.70	805.43	2	-	-	-	72.13	1.68	unknown	-	-	-	-	-	-	69.90	-
SS&G MW-4	SU	587418.13	1082663.55	856.46	858.79	858.46	2	-	-	-	79.89	2.09	unknown	-	-	-	-	-	-	71.85	-
SS&G MW-5	SU	588318.49	1082361.60	797.30	799.95	799.81	2	87	710.3	14.00	27.04	2.51	unknown	-	-	-	-	-	-	12.20	-
SS&G MW-6	SU	588713.26	1082736.37	854.59	858.13	858.11	2	-	-	-	63.75	3.52	unknown	-	-	-	-	-	-	70.55	-
SS&G MW-7	SU	589255.32	1082400.02	811.90	815.11	814.94	2	-	-	-	26.63	3.04	unknown	-	-	-	-	-	-	11.72	-
SS&G MW-8	SU	589589.67	1083326.77	808.43	811.38	811.17	2	-	-	-	60.95	2.74	unknown	-	-	-	-	-	-	52.15	-
SS&G MW-9	SU	589535.05	1084286.13	748.60	751.81	751.61	2	-	-	-	65.82	3.01	unknown	-	-	-	-	-	-	55.65	-
SS&G MW-10	SU	588177.05	1081812.13	764.45	767.20	767.00	2	-	-	-	48.07	2.55	15	33.07	35.62	731.38	48.07	50.62	716.38	22.38	28.24
SS&G MW-11	SU	588536.29	1081767.10	755.24	757.84	757.67	2	-	-	-	46.34	2.43	15	31.34	33.77	723.90	46.34	48.77	708.90	16.71	32.06
SS&G MW-15	SU	587385.07	1084094.38	864.12	866.24	865.62	2	-	-	-	119.5	1.59	10	108.00	109.5	756.117	118.00	119.50	746.12	111.06	8.44
SS&G MW-16	SU	587609.33	1084142.55	858.65	861.22	860.04	2	-	-	-	132.9	1.39	10	121.50	122.89	737.15	131.50	132.89	727.15	125.30	7.59

Notes:
Vertical Datum: NAVD88
Horizontal Datum: NAD 83/96
Coordinates are in state plane New York Central Zone
Coordinates and elevations are in U.S. Survey feet

June 29, 2010

Groundwater Sampling and Water Level Monitoring Event

Well ID	Top of PVC Elevation	Depth to Groundwater (7/29/2008)	Depth to Groundwater (6/29/2010)	Water Level Measurement Time	Groundwater Elevation (ft amsl)	PDB Sample Time (8/10/10)
MW-2	697.37	52.55	53.75	14:55	643.62	
MW-4	676.61	40.05	40.96	15:00	635.65	14:20
MW-5	646.91	11.66	12.61	14:45	634.3	
MW-6	704.25	60.45	61.21	14:35	643.04	
MW-7	708.94	64.74	65.53	14:45	643.41	
MW-8	735.87	49.5	50.07	13:50	685.8	
MW-9	737.02	51.5	xxx	xxx	xxx	xxx
MW-10	731.44	80.08	80.49	14:12	650.95	13:40
MW-11	728.57	41.31	xxx	xxx	xxx	xxx
MW-12	756.6	48.57	48.79	11:05	707.81	
MW-13	781.2	65.75	65.79	9:55	715.41	11:00
MW-14	759.17	57.04	55.96	10:10	703.21	10:40
MW-15	786.44	60.46	60.71	9:40	725.73	11:20
MW-16	754.95	65.82	65.99	10:40	688.96	10:00
MW-17S	760.09	58.98	58.87	10:25	701.22	
MW-17D	761.15	74.16	74.18	10:25	686.97	10:20
MW-18	838.62	111.16	111.31	12:30	727.31	
MW-19	839.29	106.81	107.23	12:15	732.06	
MW-20	761.9	41.51	41.71	11:00	720.19	
MW-21	729.59	66.53	66.79	13:35	662.8	
MW-22	729.97	57.26	57.42	13:50	672.55	
MW-23	692.17	38.28	39.21	14:00	652.96	13:20
MW-24S	722.31	66	66.71	13:15	655.6	13:00
MW-24D	722.2	65.9	66.72	13:18	655.48	
MW-25	792.88	35.71	36.37	12:50	756.51	

MW-26	800.59	67.15	67.84	12:35	732.75	
MW-27	649.37	12.87	13.4	9:00	635.97	
TEST WELL	669.92	33.83	xxx	xxx	xxx	xxx
GP-2	622.89	3	3.08	8:15	619.81	
GP-3	619.22	1.2	1.4	8:00	617.82	
GP-4	627.86	5.07	5.82	8:25	622.04	
GP-6	618.43	1.75	2.18	8:10	616.25	
Spring PZ-1	637.03	0.35	xxx	xxx	xxx	xxx
Spring PZ-2	628	0.6	xxx	xxx	xxx	xxx
Spring PZ-3	629.52	0.4	xxx	xxx	xxx	xxx
SS&G MW-2	812.23	37.02	37.85	13:00	774.38	
SS&G MW-3	805.43	69.9	70.57	11:30	734.86	12:30
SS&G MW-4	858.46	71.85	72.9	11:45	785.56	
SS&G MW-5	799.81	12.2	13.79	12:05	786.02	
SS&G MW-6	858.11	70.55	71.48	11:55	786.63	
SS&G MW-7	814.94	11.72	14.04	12:15	800.9	
SS&G MW-8	811.17	52.15	52.97	12:40	758.2	
SS&G MW-9	751.61	55.65	xxx	xxx	xxx	xxx
SS&G MW-10	767	22.38	22.17	12:45	744.83	
SS&G MW-11	757.67	16.71	16.75	12:35	740.92	
SS&G MW-15	865.62	111.06	111.41	11:45	754.21	
SS&G MW-16	860.04	125.3	125.65	11:38	734.39	

NOTES: "xxx" Water level not measured at this location

PDBs were originally deployed on June 10, 2010. Upon PDB recovery on June 29, 2010 it was determined that some of the PDBs were not centered in the water column. Some of the PDBs may have been partially above the water table. As such, PDBs were re-deployed on July 15, 2010. The PDBs were collected and submitted for laboratory analysis on August 10, 2010.

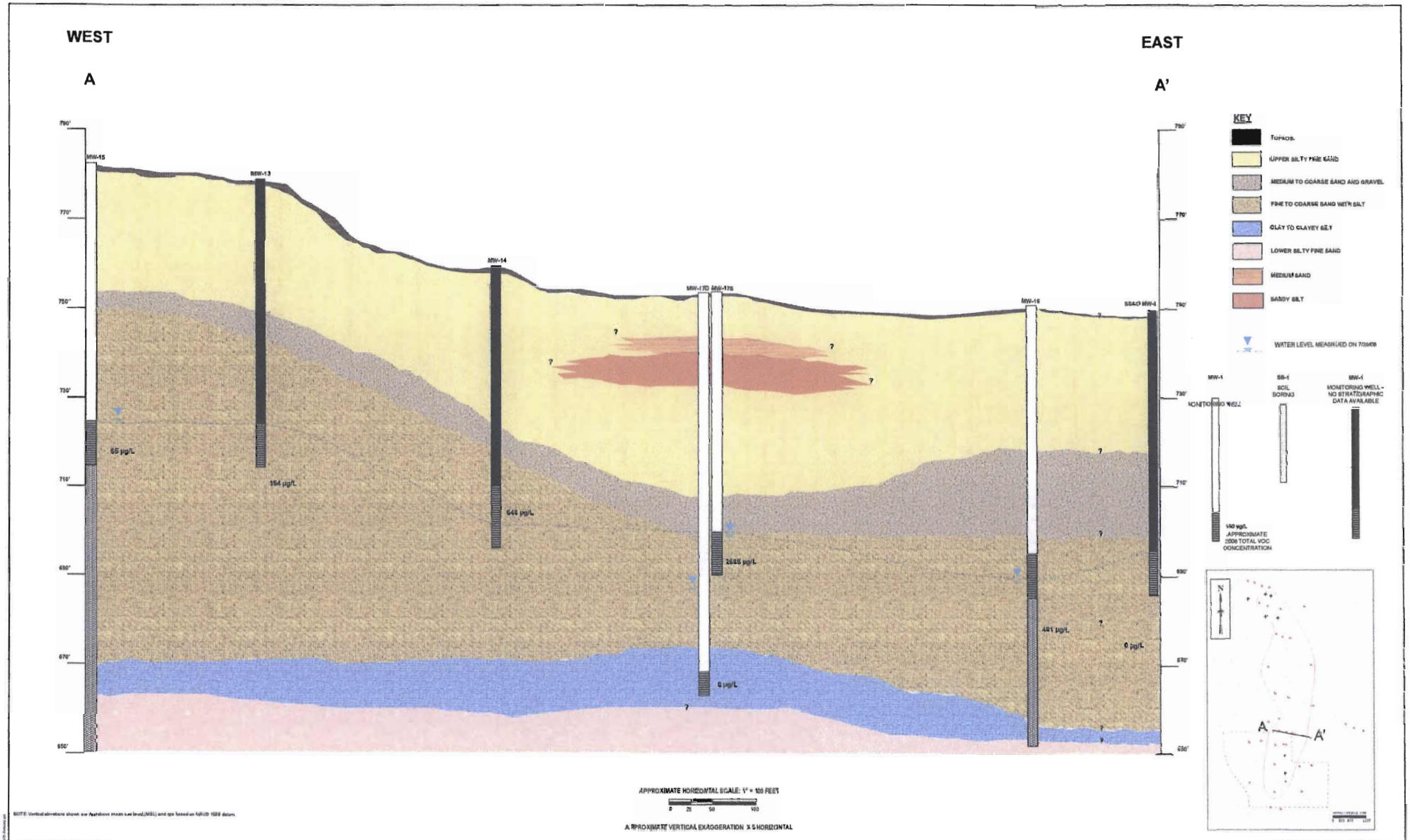
Surface Water Sample, SC-1, collected at 14:40

MODOCK ROAD SPRINGS/DLS SAND AND GRAVEL, INC. SITE
8-35-013
Passive Diffusion Bag Groundwater Sampling Event
July 15, 2010

Well ID	Top of PVC Elevation	Field Measurements (feet below top of 2" PVC casing)						Elevations (feet amsl)						
		Depth to Groundwater	Measured Total Depth (ft BTOC)	Standing Water	Water Column Center	PDB_{top} (from bottom of well)	PDB_{btm} (from bottom of well)	Groundwater Elevation (ft amsl)	Measured Total Depth Elevation (ft amsl)	Water Column Center Elevation (amsl)	PDB_{top} Elevation (amsl)	PDB_{btm} (Elevation (amsl)	Distance from PDB_{top} to Groundwater (ft)	PDB Deploy Time
MW-4	676.61	41.05	50.95	9.9	4.95	5.5	3.5	635.56	625.66	630.61	631.16	629.16	4.4	12:45
MW-10	731.44	80.48	90.5	10.02	5.01	6	4	650.96	640.94	645.95	646.94	644.94	4.02	12:20
MW-13	781.2	65.79	74.8	9.01	4.51	5.5	3.5	715.41	706.4	710.905	711.9	709.9	3.51	9:45
MW-14	759.17	55.96	64.22	8.26	4.13	5.13	3.13	703.21	694.95	699.08	700.08	698.08	3.13	10:00
MW-15	786.44	60.7	69.95	9.25	4.63	5.6	3.6	725.74	716.49	721.115	722.09	720.09	3.65	9:15
MW-16	754.95	65.94	70.37	4.43	2.22	3.2	1.2	689.01	684.58	686.795	687.78	685.78	1.23	10:45
MW-17S	760.09	58.95	68.15	9.2	4.60	5.6	3.6	701.14	691.94	696.54	697.54	695.54	3.6	10:20
MW-23	692.17	39.34	46.91	7.57	3.79	4.5	2.5	652.83	645.26	649.045	649.76	647.76	3.07	12:00
MW-24S	722.31	66.86	73.92	7.06	3.53	4.5	2.5	655.45	648.39	651.92	652.89	650.89	2.56	11:45
SS&G MW-3	805.43	70.49	74.99	4.5	2.25	3.25	1.25	734.94	730.44	732.69	733.69	731.69	1.25	11:20

NOTES: PDBs deployed by Jason Pelton (NYSDEC) and Dwight Symonds (Malcolm Pirnie) on July 15, 2010 as part of long-term monitoring program for Modock Road Springs site.

Weather: Hot and humid. Air temperature approximately 85-90 degrees Fahrenheit. Partly cloudy with slight breeze.



NOTE: Vertical elevations shown are feet above mean sea level (MSL) and are based on NAVD 1988 datum.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION

REMEDIAL INVESTIGATION/FEASIBILITY STUDY

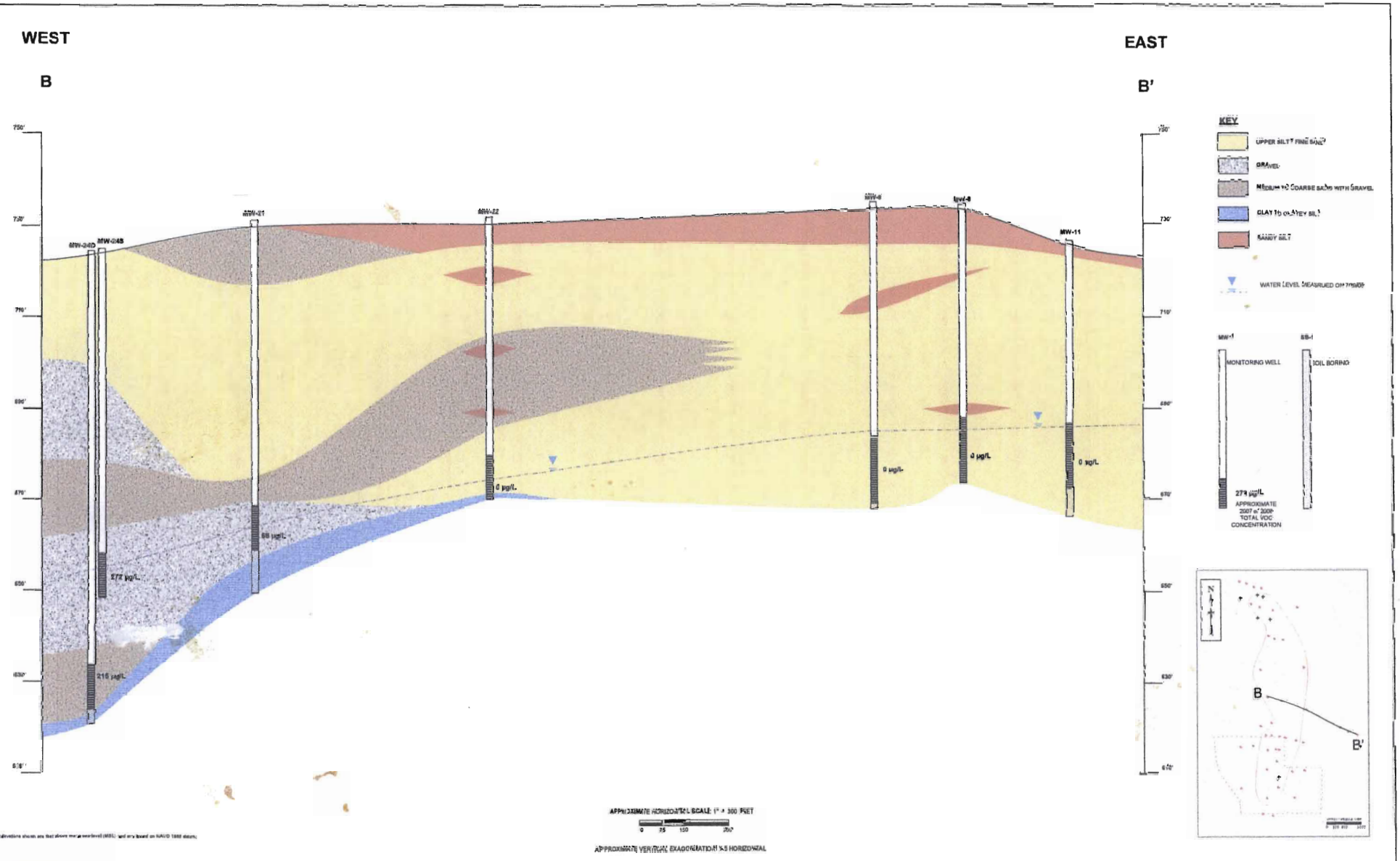
WORK ASSIGNMENT # D-004439 - 9

MODOCK ROAD SPRINGS/DLS SAND AND GRAVEL, INC. SITE (HW 8-35-013)
TOWN OF VICTOR, ONTARIO COUNTY, NEW YORK

FIGURE 5

WEST – EAST SIMPLIFIED GEOLOGIC CROSS-SECTION ALONG TREE LINE AT MW-14

MALCOLM PIRNIE



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
WORK ASSIGNMENT # D-004439 - 9

MOODOCK ROAD SPRINGS/DLS SAND AND GRAVEL, INC. SITE (HW 8-26-013)
TOWN OF VICTOR, ONTARIO COUNTY, NEW YORK

FIGURE 6

WEST – EAST SIMPLIFIED GEOLOGIC CROSS-SECTION AT DRYER ROAD

MALCOLM PIRNIE