Joshua Cook - Former Breneman Site

From: "Engert, Dave" <dengert@LaBellaPC.com>
To: Joshua Cook <jpcook@gw.dec.state.ny.us>
Date: 4/4/2014 4:43 PM
Subject: Former Breneman Site

Josh,

I spoke with Shane Broadwell this morning. We discussed the Department's modifications to the Supplemental RIWP and Canalview Development, LLC accepts the modifications to the work plan. We are targeting the week of April 21 to complete the field work, I will let you know when I have a firm date. Please feel free to contact me with any questions, have a good weekend.

Thanks,
Dave

David K. Engert, CHMM
Sr. Environmental Geologist
Direct: 585-295-6630 | dengert@labellapc.com

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New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 7
615 Erie Boulevard West, Syracuse, New York 13204-2400
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Joe Martens
Commissioner

March 17, 2014

Shane Broadwell
Canalview Development, LLC
70 East First Street
Oswego, NY 13126

Re: Former Breneman Site
Site ID No. C738046
City of Oswego, Oswego County
Supplemental Remedial Investigation Work Plan

Dear Mr. Broadwell:

The New York State Department of Environmental Conservation (Department) and the New York State Department of Health (NYSDOH) have reviewed the Supplemental Remedial Investigation Work Plan (work plan) for the Former Breneman Site (site), dated February 21, 2014, which was prepared by LaBella Associates, DPC (LaBella) on behalf of Canalview Development, LLC (Volunteer).

With the modifications listed below, the work plan is hereby approved.

- Remedial Investigation - Preliminary Findings, 3rd Paragraph – Soil cleanup objectives (SCOs) for the protection of groundwater are also applicable for several contaminants. As per the tables of groundwater sampling results, several contaminants are present in groundwater at MW-3 and MW-2 at concentrations exceeding applicable groundwater standards, criteria or guidance values (SCGs). As per 6 NYCRR 375-6.5, SCOs for the protection of groundwater will be applicable for those substances. Soil samples collected from this vicinity (TP-15 and SB-3) contained several of these contaminants at concentrations greater than SCOs for the protection of groundwater. Therefore, soil does exceed applicable SCOs in this area, even for commercial use.

- Proposed Investigation Activities, *Soil Borings*, 2nd Sentence – In order to achieve the objectives of the work plan, borings must be installed in the locations identified (and any additional locations determined necessary based on field results) regardless of whether the slope is terraced. *i.e.*, If the slope is not terraced, borings will still be needed where indicated.

- Schedule, First Sentence – This is revised to read, "LaBella is prepared to proceed with the proposed investigation activities upon receipt of NYSDEC approval of this Supplemental RIWP, and will proceed with field activities no later than 120 days following approval."

- If a Track 2 cleanup is to be considered, a boring must be installed adjacent to SB-6 and a sample collected from the ash/cinders encountered between approximately eight and eleven feet below grade.

- Tables – It is noted that several of the referenced SCGs are incorrect. Corrections must be made prior to incorporation into the Remedial Investigation Report.

- All provisions of the approved Remedial Investigation Work Plan dated June 2013 and approved by the Department on July 30, 2013 must be followed unless specifically modified by the Supplemental Remedial Investigation Work Plan or this letter.

Pursuant to 6 NYCRR 375-1.6(d)(3), the Volunteer must respond in writing within 15 days as to whether the modifications will be accepted. If accepted, this letter and the Volunteer's letter accepting the modifications must be attached to the front of all copies of the work plan. Alternatives to accepting the modifications are set forth at 6 NYCRR 375-1.6(d)(3)(ii) and (iii).

If you have any questions, please do not hesitate to contact me at 315-426-7411.

Sincerely,

Joshua P. Cook, P.E.
Environmental Engineer I

ec: Harry Warner (NYSDEC)
Joshua Cook (NYSDEC)
Maureen Schuck (NYSDOH)
Richard Jones (NYSDOH)
David Engert (LaBella)

LABELLA Associates, D.P.C.
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February 21, 2014

Joshua Cook, P.E.
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 7
615 Erie Boulevard West
Syracuse, New York 13204

Re: Supplemental Remedial Investigation Work Plan
Former Breneman Site, Site ID No. C738040
8 East Utica Street, City of Oswego, Oswego County
LaBella Project No. 214001

Dear Mr. Cook:

LaBella Associates, D.P.C. ("LaBella") is pleased to submit this Supplemental Remedial Investigation Work Plan (RIWP) associated with the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site (BCP ID No. C738040) located at 8 East Utica Street, City of Oswego, Oswego County, New York, hereinafter referred to as the "Site." A Site Location Map is attached as Figure 1. This Supplemental RIWP details the scope of proposed supplemental investigation activities associated with the Remedial Investigation at the Site.

Background

The Site consists of approximately 2.1044 acres. The Site and a property adjacent to the west were historically used for manufacturing purposes beginning in 1834. The Site has been vacant since 1998. A detailed description of the Site history and previous investigations can be found in the June 2013 RIWP. Canalview Development LLC entered into a Brownfield Cleanup Agreement (BCA) with the NYSDEC in March 2103. The BCA was subsequently amended to expand the Site footprint in June 2013. In July 2013 the NYSDEC approved a revised RIWP prepared by LaBella on behalf of Canalview Development LLC.

Remedial Investigation – Preliminary Findings

Remedial Investigation (RI) activities began in December 2013 and consisted of the advancement of six (6) soil borings, seventeen (17) test pits, collection of twelve (12) surface soil samples and the installation and sampling of four (4) groundwater monitoring wells. An RI Sample Location Map is attached as Figure 2. Also attached are preliminary data tables and field logs from the RI field work.

The preliminary findings of the RI indicate that several areas of semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs) and metals are present at the Site at concentrations exceeding 6 NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives for a Commercial Site (RUCSCOs). The intended future use of the Site is commercial. The areas where exceedences of

RUCSCOs are present appear to be isolated and are limited to surface soil and fill material encountered in test pits.

An area of petroleum-type odors and elevated photo-ionization detector (PID) readings was observed in test pit TP-15 and soil borings SB-2 and SB-3, located proximate the western Site boundary. Laboratory analysis of soil samples collected from these locations indicated the presence of volatile organic compounds (VOCs), PCBs, pesticides and SVOCs at concentrations exceeding 6 NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives (UUSCOs) but below RUCSCOs. Several metals were detected in these samples as well at concentrations exceeding RUCSCOs. The on-Site horizontal and vertical extent of these impacts has not been determined.

Proposed Investigation Activities

Soil Borings

Direct push (e.g., Geoprobe) drilling techniques are proposed to advance additional soil borings at the Site. It is anticipated that the steep slope on the western portion of the Site will be terraced as necessary with an excavator to allow access to a track mounted Geoprobe. The objective of the additional proposed borings is to delineate impacts identified during the initial RI sampling. Proposed boring locations are depicted on Figure 3. Additional boring locations will be selected as needed based on observations of apparent impact.

Soil borings will be advanced in accordance with the Field Activities Plan (Section 5.1) of the approved RIWP. Samples collected will be submitted for the full suite of analytical parameters.

Quality Control/Community Air Monitoring/Health & Safety

All activities at the Site will be managed under LaBella's Quality Control Plan (QCP) and Health & Safety Plan (HASP) as detailed in the approved RIWP. Additionally, the Community Air Monitoring Plan (CAMP) included in the RIWP will be implemented during intrusive site work.

Schedule

LaBella is prepared to proceed with the proposed investigation activities upon receipt of NYSDEC approval of this Supplemental RIWP. LaBella will notify NYSDEC prior to initiation of field activities.

Thank you for your consideration in this matter. If you have any questions, or require additional information, please do not hesitate to contact me at (585) 295-6630.

Sincerely,

LABELLA ASSOCIATES, D.P.C.

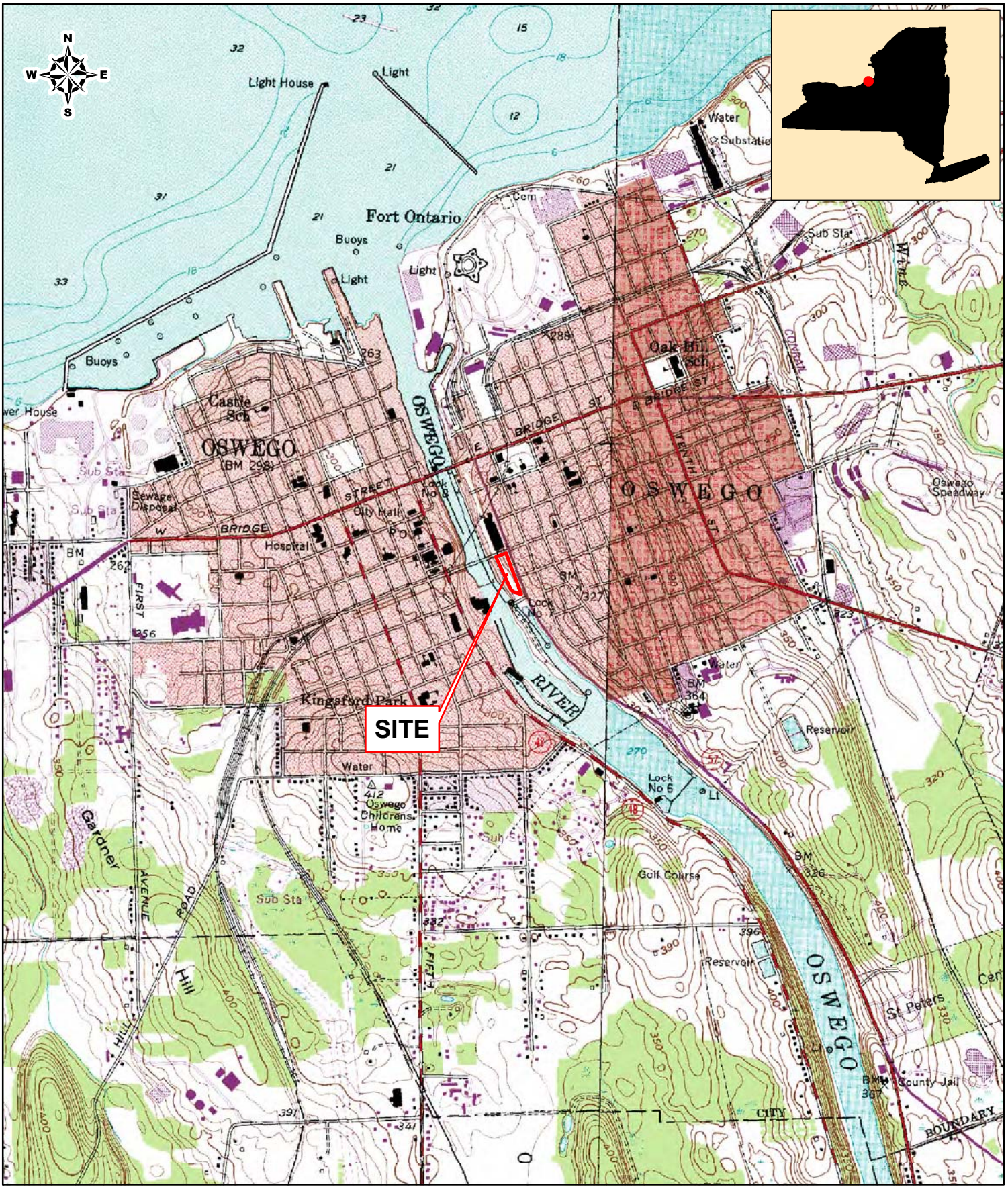
David K. Engert, CHMM
Project Manager

Attachments

ec: Shane Broadwell (Canalview Development LLC)
Harry Warner (NYSDEC)
Justin Deming (NYSDOH)
Richard Jones (NYSDOH)

I:\CANALVIEW DEVELOPMENT\214001 - 8 EAST UTICA STREET - BCP REMEDIAL INV\REPORTS\WORKPLAN.2014.02.20SUPPLEMENTAL RI.DOCX

Figures



214001

FIGURE 1

DRAWING TITLE

SITE LOCATION WITH USGS 7.5 MINUTE TOPO MAP

1:24,000

DATE: 10/10/2012

DESIGNED BY: JAJ
DRAWN BY: JAJ
REVIEWED BY: JAJ

PROJECT/CLIENT

Former Breneman Site

NYSDEC BCP #C738046
Remedial Investigation
Work Plan
Oswego, NY

LABELLA Associates, D.P.C.
Engineering
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Environmental
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I:\Canalview Development\214001 - 8 East Utica Street - BCP Remedial Inv\Drawings\RI\Supplemental RIWP\Fig. 3 Proposed sample locations.mxd

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Supplemental RIWP

Brownfield Cleanup Program Site C738046
Former Breneman Site
8 East Utica Street
City of Oswego, New York

Proposed Sample Locations

Legend

- RI Soil Borings
- RI Test Pits
- Proposed borings
- Property Line (Approximate)
- Former Building Outline

0 10 20 40 Feet

214001

Figure 3

I:\Canalview Development\214001 - 8 East Utica Street - BCP Remedial Inv\Drawings\RI\Supplemental RIWP\Fig. 2 Initial RI Sample Locations.mxd

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Supplemental RIWP

Brownfield Cleanup Program Site C738046
Former Breneman Site
8 East Utica Street
City of Oswego, New York

Initial RI Sample Locations

Legend

Sample Locations

- Soil Boring
- Monitoring Well
- Test Pit
- Surface Soil Sample
- Property Line (Approximate)
- Former Building Outline

Feet
0 15 30 60

214001

Figure 2

Tables

Table 1
Former Breneman Site
NYSDEC Brownfield Cleanup Program Remedial Investigation
NYSDEC BCP Site C738046

Summary of Volatile Organic Compounds in Soil Samples
Results in Parts Per Million (PPM)

Sample ID	120413-TP2-04	120413-TP3-05	120413-SB1-D26	120413-TP8-2.5	120413-TP9-3	120413-TP11-10	120413-TP14-04	120413-SB-2-D46	120413-TP15-10	120413-TP17-03	120513-SB3C-11	120513-SS-1	120513-SS-2	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Unrestricted Use	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Commercial Use	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Industrial Use	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Groundwater
Sample Location	**TP-2**	**TP-3**	**SB-1**	**TP-8**	**TP-9**	**TP-11**	**TP-14**	**SB-2**	**TP-15**	**TP-17**	**SB3C**	**SS-1**	**SS-2**				
Sample Depth	**4'**	**5'**	**2-6'**	**2.5'**	**3'**	**10'**	**4'**	**4-6'**	**10'**	**3'**	**11'**	**Surface**	**Surface**				
Sample Collection Date	**12/4/2013**	**12/4/2013**	**12/4/2013**	**12/4/2013**	**12/4/2013**	**12/4/2013**	**12/4/2013**	**12/4/2013**	**12/4/2013**	**12/4/2013**	**12/5/2013**	**12/5/2013**	**12/5/2013**				
Volatile Organic Compounds																	
1,1,1-Trichloroethane	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	0.68	500.00	1000.00	0.68
1,1,2,2-Tetrachloroethane	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	NA	NA	NA	NA
1,1,2-Trichloroethane	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	NA	NA	NA	NA
1,1-Dichloroethane	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	0.27	240.00	480.00	0.27
1,1-Dichloroethene	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	0.33	500.00	1000.00	0.33
1,2,4-Trichlorobenzene	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	NA	NA	NA	NA
1,2-Dibromoethane	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	NA	NA	NA	NA
1,2-Dichlorobenzene	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	1.10	500.00	1000.00	1.10
1,2-Dichloroethane	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	0.02	30.00	60.00	0.02
1,2-Dichloropropane	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	NA	NA	NA	NA
1,3-Dichlorobenzene	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	2.40	280.00	560.00	2.40
1,4-Dichlorobenzene	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	1.80	130.00	250.00	1.80
2-Butanone	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	NA	NA	NA	NA
2-Hexanone	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	NA	NA	NA	NA
4-Methyl-2-pentanone	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	NA	NA	NA	NA
Acetone	ND<0.0126	ND<0.012	ND<0.0227	ND<0.0247	ND<0.0236	0.0157	ND<0.0204	0.0279	ND<7.380	ND<0.0243	ND<11.30	ND<0.024	ND<0.0251	0.05	500.00	1000.00	0.05
Benzene	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	0.06	44.00	89.00	0.06
Bromodichloromethane	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	NA	NA	NA	NA
Bromoform	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	NA	NA	NA	NA
Bromomethane	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	NA	NA	NA	NA
Carbon disulfide	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	NA	NA	NA	NA
Carbon Tetrachloride	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	0.76	22.00	44.00	0.76
Chlorobenzene	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	1.10	500.00	1000.00	1.10
Chloroethane	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	NA	NA	NA	NA
Chloroform	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	0.37	350.00	700.00	0.37
Chloromethane	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	NA	NA	NA	NA
cis-1,2-dichloroethene	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	0.25	500.00	1000.00	0.25
cis-1,3-Dichloropropane	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	NA	NA	NA	NA
Cyclohexane	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	42.1	ND<0.00486	6.820	ND<0.0048	ND<0.00502	NA	NA	NA	NA
Dibromochloromethane	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	NA	NA	NA	NA
Dichlorofluoromethane	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	NA	NA	NA	NA
Ethylbenzene	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	**73.3**	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	1.00	390.00	780.00	1.00
Isopropylbenzene	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	109.0	ND<0.00486	40.200	ND<0.0048	ND<0.00502	NA	NA	NA	NA
m,p-Xylene	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	***150.0***	ND<0.00486	***16.200***	ND<0.0048	ND<0.00502	0.26	500.00	1000.00	1.60
Methyl acetate	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	NA	NA	NA	NA
Methyl tert-butyl ether	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	0.93	500.00	1000.00	0.93
Methylcyclohexane	ND<0.00252	ND<0.00239	ND<0.00454	0.00559	ND<0.00473	ND<0.0156	ND<0.0204	ND<0.0205	963.0	ND<0.0243	156.000	ND<0.0048	ND<0.00502	NA	NA	NA	NA
Methylene chloride	ND<0.0126	ND<0.012	ND<0.0227	ND<0.0247	ND<0.0236	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.024	ND<0.0251	0.05	500.00	1000.00	0.05
o-Xylene	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	***3.38***	ND<0.00486	***2.730***	ND<0.0048	ND<0.00502	0.26	500.00	1000.00	1.60
Styrene	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	NA	NA	NA	NA
tert-Butylbenzene	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	5.90	500.00	1000.00	5.90
Tetrachloroethene	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	1.30	150.00	300.00	1.30
Toluene	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	***2.33***	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	0.70	500.00	1000.00	0.70
trans-1,2-dichloroethene	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	0.19	500.00	1000.00	0.19
trans-1,3-Dichloropropane	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	NA	NA	NA	NA
Trichloroethene	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	NA	NA	NA	NA
Trichlorofloumethane	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	NA	NA	NA	NA
Vinvyl chloride	ND<0.00252	ND<0.00239	ND<0.00454	ND<0.00494	ND<0.00473	ND<0.00312	ND<0.00408	ND<0.00410	ND<1.48	ND<0.00486	ND<2.250	ND<0.0048	ND<0.00502	0.02	13.00	27.00	0.02
Total VOCs	0.0000	0.0000	0.0000	0.00559	0.0000	0.0157	0.0000	0.0279	1343.1100	0.0000	221.9500	0.0000	0.0000				
Total VOC TICs	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	0.0248	None Detected	4090.10	None Detected	1860.800	0.0236	None Detected	*Not Available*	*Not Available*	*Not Available*	*Not Available*
Total VOCs & VOC TICs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,433.2	0.0	2,082.8	0.0	0.0				

NA = Not Applicable or Not Available

Bold type indicates a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for Unrestricted Use.

Red type indicates that the constituent was detected at a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Restricted Use Commercial

Highlighted type indicates that the constituent was detected at a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Restricted Use Industrial

Italicized type indicates a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Groundwater.

Table 1
Former Breneman Site
NYSDEC Brownfield Cleanup Program Remedial Investigation
NYSDEC BCP Site C738046

Summary of Volatile Organic Compounds in Soil Samples
Results in Parts Per Million (PPM)

Sample ID	120513-SS-3	120513-SS-4	120513-SS-5	120513-SS-6	120513-SS-7	120513-SB4-08	120613-SB5-D1013	120613-SS-8	120613-SS-9	120613-SB-6-D1820	120613-SS-10	120613-SS-11	120613-SS-12	120513-SS-5A	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Unrestricted Use	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Commercial Use	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Industrial Use	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Groundwater
Sample Location	**SS-3**	**SS-4**	**SS-5**	**SS-6**	**SS-7**	**SB4**	**SB5**	**SS-8**	**SS-9**	**SB-6**	**SS-10**	**SS-11**	**SS-12**	**SS-5**				
Sample Depth	**Surface**	**Surface**	**Surface**	**Surface**	**Surface**	**8'**	**10-13'**	**Surface**	**Surface**	**1.5-2'**	**Surface**	**Surface**	**Surface**	**Surface**				
Sample Collection Date	**12/5/2013**	**12/5/2013**	**12/5/2013**	**12/5/2013**	**12/5/2013**	**12/5/2013**	**12/6/2013**	**12/6/2013**	**12/6/2013**	**12/6/2013**	**12/6/2013**	**12/6/2013**	**12/6/2013**	**12/5/2013**				
Volatile Organic Compounds																		
1,1,1-Trichloroethane	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	0.68	500.00	1000.00	0.68
1,1,2,2-Tetrachloroethane	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
1,1,2-Trichloroethane	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
1,1-Dichloroethane	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	0.27	240.00	480.00	0.27
1,1-Dichloroethene	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	0.33	500.00	1000.00	0.33
1,2,4-Trichlorobenzene	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
1,2-Dibromoethane	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
1,2-Dichlorobenzene	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	1.10	500.00	1000.00	1.10
1,2-Dichloroethane	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	0.02	30.00	60.00	0.02
1,2-Dichloropropane	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
1,3-Dichlorobenzene	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	2.40	280.00	560.00	2.40
1,4-Dichlorobenzene	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	1.80	130.00	250.00	1.80
2-Butanone	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
2-Hexanone	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
4-Methyl-2-pentanone	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
Acetone	ND<0.0254	ND<0.022	ND<0.0243	ND<0.0259	ND<0.0229	0.0404	0.0211	ND<0.00975	ND<0.0105	0.0175	ND<0.0195	ND<0.0288	ND<0.0192	ND<0.0119	0.05	500.00	1000.00	0.05
Benzene	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	0.06	44.00	89.00	0.06
Bromodichloromethane	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
Bromoform	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
Bromomethane	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
Carbon disulfide	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
Carbon Tetrachloride	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	0.76	22.00	44.00	0.76
Chlorobenzene	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	1.10	500.00	1000.00	1.10
Chloroethane	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
Chloroform	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	0.37	350.00	700.00	0.37
Chloromethane	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
cis-1,2-dichloroethene	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	0.25	500.00	1000.00	0.25
cis-1,3-Dichloropropane	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
Cyclohexane	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
Dibromochloromethane	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
Dichlorofluoromethane	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
Ethylbenzene	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	0.00603	0.0144	ND<0.00384	ND<0.00238	1.00	390.00	780.00	1.00
Isopropylbenzene	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	0.0183	ND<0.00238	NA	NA	NA	NA
m,p-Xylene	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	0.00539	0.0148	ND<0.00195	ND<0.00209	ND<0.00207	0.0292	0.0826	ND<0.00384	ND<0.00238	0.26	500.00	1000.00	1.60
Methyl acetate	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
Methyl tert-butyl ether	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	0.93	500.00	1000.00	0.93
Methylcyclohexane	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	0.00661	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
Methylene chloride	ND<0.0254	ND<0.022	ND<0.0243	ND<0.0259	ND<0.0229	ND<0.0196	ND<0.0208	ND<0.00975	ND<0.0105	ND<0.0104	ND<0.0195	ND<0.0288	ND<0.0192	ND<0.0119	0.05	500.00	1000.00	0.05
o-Xylene	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	0.00533	ND<0.00195	ND<0.00209	ND<0.00207	0.0139	0.0372	0.0086	ND<0.00238	0.26	500.00	1000.00	1.60
Styrene	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
tert-Butylbenzene	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	5.90	500.00	1000.00	5.90
Tetrachloroethene	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	1.30	150.00	300.00	1.30
Toluene	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	0.70	500.00	1000.00	0.70
trans-1,2-dichloroethene	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	0.19	500.00	1000.00	0.19
trans-1,3-Dichloropropane	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
Trichloroethene	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
Trichloroflouromethane	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	NA	NA	NA	NA
Vinyl chloride	ND<0.00508	ND<0.00441	ND<0.00486	ND<0.00517	ND<0.00457	ND<0.00392	ND<0.00416	ND<0.00195	ND<0.00209	ND<0.00207	ND<0.0039	ND<0.00575	ND<0.00384	ND<0.00238	0.02	13.00	27.00	0.02
Total VOCs	0.0000	0.0000	0.0000	0.0000	0.0000	0.0458	0.0478	0.0000	0.0000	0.0175	0.0491	0.1342	0.0269	0.0000				
Total VOC TICs	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	0.1102	0.0291	None Detected	None Detected	0.0170	0.0532	None Detected	None Detected	*Not Available*	*Not Available*	*Not Available*	*Not Available*
Total VOCs & VOC TICs	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.2	0.0	0.0				

NA = Not Applicable or Not Available

Bold type indicates a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for Unrestricted Use.

Red type indicates that the constituent was detected at a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Restricted Use Commercial

Highlighted type indicates that the constituent was detected at a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Restricted Use Industrial

Italicized type indicates a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Groundwater.

Table 2
Former Breneman Site
NYSDEC Brownfield Cleanup Program Remedial Investigation
NYSDEC BCP Site C738046

Summary of Semi-Volatile Organic Compounds
Results in Parts Per Million (ppm)

Sample ID	120413-TP2-04	120413-TP3-05	120413-SB1-026	120413-TB8-2.5	120413-TP9-3	120413-TP11-10	120413-TP14-04	120413-SB-2-046	120413-TP15-10	120413-TP17-03	120513-SB3C-11	120513-SS-1	120513-SS-2	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Unrestricted Use	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Commercial Use	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Industial Use	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Groundwater
Sample Location	**TP-2**	**TP-3**	**SB-1**	**TP-8**	**TP-9**	**TP-11**	**TP-14**	**SB-2**	**TP-15**	**TP-17**	**SB3C**	**SS-1**	**SS-2**				
Sample Depth	**4'**	**5'**	**2-6'**	**2.5'**	**3'**	**10'**	**4'**	**4-6'**	**10'**	**3'**	**11'**	**Surface**	**Surface**				
Sample Collection Date	**12/4/2013**	**12/4/2013**	**12/4/2013**	**12/4/2013**	**12/4/2013**	**12/4/2013**	**12/4/2013**	**12/4/2013**	**12/4/2013**	**12/4/2013**	**12/5/2013**	**12/5/2013**	**12/5/2013**				
Semi-Volatile Organic Compounds																	
1,1'Biphenyl	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
2,4,5-Trichlorophenol	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
2,4,6-Trichlorophenol	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
2,4-Dichlorophenol	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
2,4-Dimethylphenol	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
2,4-Dinitrophenol	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
2,4-Dinitrotoluene	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
2,6-Dinitrotoluene	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
2-Chloronaphthalene	ND<0.198	ND<0.394	ND<0.189	ND<0.214	ND<0.382	ND<0.395	ND<0.200	ND<0.180	ND<0.244	ND<0.203	ND<0.187	ND<0.227	ND<0.225	Not Listed	Not Listed	Not Listed	Not Listed
2-Chlorophenol	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
2-Methylnaphthalene	ND<0.198	ND<0.394	ND<0.189	ND<0.214	ND<0.382	0.589	ND<0.200	ND<0.180	3.580	ND<0.203	ND<0.187	ND<0.227	ND<0.225	Not Listed	Not Listed	Not Listed	36.40
2-Methylphenol	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
2-Nitroaniline	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
2-Nitrophenol	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
3&4-Methylphenol	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
3,3'-Dichlorobenzidine	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
3-Nitroaniline	**ND<0.396**	**ND<0.788**	**ND<0.378**	**ND<0.428**	**ND<0.764**	**ND<0.791**	**ND<0.399**	**ND<0.359**	**ND<0.489**	**ND<0.407**	**ND<0.374**	**ND<0.454**	**ND<0.449**	**Not Listed**	**Not Listed**	**Not Listed**	**Not Listed**
4,6-Dinitro-2-methylphenol	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
4-Bromophenyl-phenylether	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
4-Chloro-3-methylphenol	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
4-Chloroaniline	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
4-Chlorophenyl-phenylether	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
4-Nitroaniline	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
4-Nitrophenol	0.670	4.880	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
Acenaphthene	ND<0.198	ND<0.394	ND<0.189	ND<0.214	ND<0.382	0.493	ND<0.200	ND<0.180	0.247	ND<0.203	ND<0.187	ND<0.227	ND<0.225	20.00	500.00	1,000.00	98.00
Acenaphthylene	ND<0.198	1.020	ND<0.189	ND<0.214	ND<0.382	0.150	ND<0.200	ND<0.180	ND<0.244	ND<0.203	ND<0.187	ND<0.227	ND<0.225	100.00	500.00	1,000.00	107.00
Acetophenone	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
Anthracene	ND<0.198	0.983	ND<0.189	ND<0.214	0.958	2.060	0.354	ND<0.180	0.441	ND<0.203	0.249	ND<0.227	ND<0.225	100.00	500.00	1,000.00	1,000.00
Atrazine	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
Benzaldehyde	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
Benzo(a)anthracene	ND<0.198	**3.850**	0.199	ND<0.214	**3.150**	**3.920**	0.281	ND<0.180	0.586	ND<0.203	0.532	0.634	ND<0.225	1.00	5.60	11.00	1.00
Benzo(a)pyrene	ND<0.198	**3.860**	0.215	ND<0.214	**2.740**	**3.650**	0.298	ND<0.180	0.414	ND<0.203	0.300	0.458	ND<0.225	1.00	1.00	1.10	22.00
Benzo(b)fluoranthene	ND<0.198	***5.200***	0.322	ND<0.214	***3.260***	***4.440***	0.409	ND<0.180	0.539	ND<0.203	0.580	0.874	0.316	1.00	5.60	11.00	1.70
Benzo(g,h,i)perylene	ND<0.198	2.410	ND<0.189	ND<0.214	1.570	2.140	0.206	ND<0.180	ND<0.244	ND<0.203	0.259	0.412	ND<0.225	100.00	500.00	1,000.00	100.00
Benzo(k)fluoranthene	ND<0.198	***2.190***	ND<0.189	ND<0.214	**1.470**	***2.000***	ND<0.200	ND<0.180	ND<0.244	ND<0.203	0.255	0.340	ND<0.225	0.80	5.60	11.00	1.70
bis(2-chloroethoxy)methane	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
Bis(2-chloroethyl)ether	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
bis(2-Chloroisopropyl)ether	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
bis(2-Ethylhexyl)Phthalate	ND<0.396	1.540	3.690	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	41.300	ND<0.407	1.250	0.630	0.469	Not Listed	Not Listed	Not Listed	43.50
Butylbenzylphthalate	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
Caprolactam	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
Carbazole	ND<0.198	0.891	ND<0.189	ND<0.214	ND<0.382	1.060	ND<0.200	ND<0.180	ND<0.244	ND<0.203	ND<0.187	ND<0.227	ND<0.225	Not Listed	Not Listed	Not Listed	Not Listed
Chrysene	ND<0.198	***4.690***	0.234	ND<0.214	***3.120***	***4.470***	0.323	ND<0.180	0.478	ND<0.203	0.590	0.684	0.238	1.00	56.00	11.00	1.00
Dibenz(a,h)anthracene	ND<0.198	ND<0.394	ND<0.189	ND<0.214	ND<0.382	ND<0.395	ND<0.200	ND<0.180	ND<2.44	ND<0.203	ND<0.187	ND<0.227	ND<0.225	0.33	0.56	1.10	1,000.00
Dibenzofuran	ND<0.198	ND<0.394	ND<0.189	ND<0.214	ND<0.382	1.010	ND<0.200	ND<0.180	0.267	ND<0.203	ND<0.187	ND<0.227	ND<0.225	7.00	Not Listed	Not Listed	210.00
Diethylphthalate	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
Dimethylphthalate	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
Di-n-butylphthalate	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
Di-n-octylphthalate	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
Fluoranthene	ND<0.198	9.270	0.388	ND<0.214	5.830	14.200	0.585	ND<0.180	1.530	ND<0.203	1.240	1.080	0.382	1,000.00	500.00	1,000.00	1,000.00
Fluorene	ND<0.198	ND<0.394	ND<0.189	ND<0.214	ND<0.382	1.310	ND<0.200	ND<0.180	0.485	ND<0.203	0.298	ND<0.227	ND<0.225	30.00	500.00	1,000.00	386.00
Hexachlorobenzene	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
Hexachlorobutadiene	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
Hexachlorocyclopentadiene	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
Hexachloroethane	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
Indeno(1,2,3-cd)pyrene	ND<0.198	0.211	ND<0.189	ND<0.214	ND<0.382	**1.870**	ND<2.00	ND<0.180	ND<2.44	ND<0.203	ND<0.187	ND<0.227	ND<0.225	0.50	5.60	11.00	8.20
Isophorone	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
Naphthalene	ND<0.198	ND<0.394	ND<0.189	ND<0.214	ND<0.382	0.978	ND<2.00	ND<0.180	6.490	ND<0.203	ND<0.187	ND<0.227	ND<0.225	12.00	500.00	1,000.00	12.00
Nitrobenzene	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
N-Nitroso-di-n-propylamine	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
N-Nitrosodiphenylamine	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	Not Listed
Pentachlorophenol	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	Not Listed	Not Listed	Not Listed	800.00
Phenanthrene	ND<0.198	6.620	0.196	ND<0.214	3.500	13.900	0.354	ND<0.180	1.830	ND<0.203	1.115	0.432	ND<0.225	1,000.00	500.00	1,000.00	1,000.00
Phenol	ND<0.396	ND<0.788	ND<0.378	ND<0.428	ND<0.764	ND<0.791	ND<0.399	ND<0.359	ND<0.489	ND<0.407	ND<0.374	ND<0.454	ND<0.449	0.33	500.00	1,000.00	0.33
Pyrene	ND<0.198	8.370	0.325	ND<0.214	5.980	9.270	0.515	ND<0.180	1.420	ND<0.203	1.116	1.000	0.384	1,000.00	500.00	1,000.00	1,000.00
Total SVOCs	0.670	55.985	5.569	None Detected	31.6	67.5	3.325	None Detected	59.607	None Detected	7.784	6.544	1.789				
Total SVOC TICs	3.269	22.095	9.544	6.148	2.931	14.911	2.138	5.260	416.130	28.907	0.000	12.776	21.929	*Not Available*	*Not Available*	*Not Available*	*Not Available*
Total SVOCs & SVOC TICs	3.939	78.080	15.113	6.148	34.509	82.421	5.463	5.260	475.737	28.907	7.784	19.320	23.718				

NA = Not Applicable or Not Available

Bold type indicates a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for Unrestricted Use.

Red type indicates that the constituent was detected at a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Restricted Use Commercial

Highlighted type indicates that the constituent was detected at a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Restricted Use Industrial

Italicized type indicates a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Groundwater.

Table 2
Former Breneman Site
NYSDEC Brownfield Cleanup Program Remedial Investigation
NYSDEC BCP Site C738046

Summary of Semi-Volatile Organic Compounds
Results in Parts Per Million (ppm)

Sample ID	120513-SS-3	120513-SS-4	120513-SS-5	120513-SS-6	120513-SS-7	120513-SB4-08	120613-SB5-D1013	120613-SS-8	120613-SS-9	120613-SB-6-01820	120613-SS-10	120613-SS-11	120613-SS-12	120513-SS-5A	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Unrestricted Use	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Commercial Use	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Industial Use	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Groundwater
Sample Location	SS-3	SS-4	SS-5	SS-6	SS-7	SB4	SB5	SS-8	SS-9	SB-6	SS-10	SS-11	SS-12	SS-5				
Sample Depth	Surface	Surface	Surface	Surface	Surface	8'	10-13'	Surface	Surface	1.5-2'	Surface	Surface	Surface	Surface				
Sample Collection Date	12/5/2013	12/5/2013	12/5/2013	12/5/2013	12/5/2013	12/5/2013	12/6/2013	12/6/2013	12/6/2013	12/6/2013	12/6/2013	12/6/2013	12/6/2013	12/5/2013				
Semi-Volatile Organic Compounds																		
1,1'Biphenyl	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
2,4,5-Trichlorophenol	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
2,4,6-Trichlorophenol	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
2,4-Dichlorophenol	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
2,4-Dimethylphenol	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
2,4-Dinitrophenol	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
2,4-Dinitrotoluene	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
2,6-Dinitrotoluene	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
2-Chloronaphthalene	ND<0.233	ND<0.395	ND<0.425	ND<0.468	ND<0.213	ND<0.172	ND<0.176	ND<0.182	ND<0.188	ND<0.189	ND<0.188	ND<0.240	ND<0.187	ND<0.212	Not Listed	Not Listed	Not Listed	Not Listed
2-Chlorophenol	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
2-Methylnaphthalene	ND<0.233	ND<0.395	ND<0.425	ND<0.468	ND<0.213	ND<0.172	ND<0.176	ND<0.182	0.233	ND<0.189	ND<0.188	ND<0.240	ND<0.187	ND<0.212	Not Listed	Not Listed	Not Listed	36.40
2-Methylphenol	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
2-Nitroaniline	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
2-Nitrophenol	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
3&4-Methylphenol	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
3,3'-Dichlorobenzidine	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
3-Nitroaniline	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
4,6-Dinitro-2-methylphenol	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
4-Bromophenyl-phenylether	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
4-Chloro-3-methylphenol	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
4-Chloroaniline	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
4-Chlorophenyl-phenylether	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
4-Nitroaniline	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
4-Nitrophenol	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	2.580	ND<0.378	ND<0.377	ND<0.480	ND<0.373	0.443	Not Listed	Not Listed	Not Listed	Not Listed
Acenaphthene	ND<0.233	ND<0.395	ND<0.425	ND<0.468	ND<0.213	ND<0.172	ND<0.176	ND<0.182	ND<0.188	ND<0.189	ND<0.188	ND<0.240	ND<0.187	ND<0.212	20.00	500.00	1,000.00	98.00
Acenaphthylene	ND<0.233	ND<0.395	ND<0.425	ND<0.468	ND<0.213	ND<0.172	ND<0.176	ND<0.182	0.532	ND<0.189	ND<0.188	ND<0.240	ND<0.187	ND<0.212	100.00	500.00	1,000.00	107.00
Acetophenone	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
Anthracene	ND<0.233	ND<0.395	ND<0.425	ND<0.468	ND<0.213	ND<0.172	ND<0.176	ND<0.182	0.724	ND<0.189	ND<0.188	ND<0.240	ND<0.187	ND<0.212	100.00	500.00	1,000.00	1,000.00
Atrazine	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
Benzaldehyde	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
Benzo(a)anthracene	ND<0.233	0.726	0.440	ND<0.468	ND<0.213	ND<0.172	ND<0.176	0.288	**1.390**	ND<0.189	0.251	0.290	ND<0.187	0.413	1.00	5.60	11.00	1.00
Benzo(a)pyrene	ND<0.233	0.913	0.532	ND<0.468	ND<0.213	ND<0.172	ND<0.176	0.272	**1.120**	ND<0.189	0.207	0.298	ND<0.187	0.458	1.00	1.00	1.10	22.00
Benzo(b)fluoranthene	ND<0.233	**1.118**	0.719	ND<0.468	ND<0.213	ND<0.172	ND<0.176	0.362	**1.460**	ND<0.189	0.342	0.383	ND<0.187	0.680	1.00	5.60	11.00	1.70
Benzo(g,h,i)perylene	ND<0.233	0.661	ND<0.425	ND<0.468	ND<0.213	ND<0.172	ND<0.176	ND<0.182	0.584	ND<0.189	ND<0.188	ND<0.240	ND<0.187	0.330	100.00	500.00	1,000.00	100.00
Benzo(k)fluoranthene	ND<0.233	0.432	ND<0.425	ND<0.468	ND<0.213	ND<0.172	ND<0.176	ND<0.182	0.563	ND<0.189	ND<0.188	ND<0.240	ND<0.187	0.225	0.80	5.60	11.00	1.70
bis(2-chloroethoxy)methane	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
Bis(2-chloroethyl)ether	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
bis(2-Chloroisopropyl)ether	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
bis(2-Ethylhexyl)Phthalate	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	1.810	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	0.515	Not Listed	Not Listed	Not Listed	43.50
Butylbenzylphthalate	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
Caprolactam	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
Carbazole	ND<0.233	ND<0.395	ND<0.425	ND<0.468	ND<0.213	ND<0.172	ND<0.176	ND<0.182	ND<0.188	ND<0.189	ND<0.188	ND<0.240	ND<0.187	ND<0.212	Not Listed	Not Listed	Not Listed	Not Listed
Chrysene	ND<0.233	0.887	0.548	ND<0.468	ND<0.213	ND<0.172	ND<0.176	0.296	***1.340***	ND<0.189	0.278	0.385	ND<0.187	0.506	1.00	56.00	11.00	1.00
Dibenz(a,h)anthracene	ND<0.233	ND<0.395	ND<0.425	ND<0.468	ND<0.213	ND<0.172	ND<0.176	ND<0.182	ND<0.188	ND<0.189	ND<0.188	ND<0.240	ND<0.187	ND<0.212	0.33	0.56	1.10	1,000.00
Dibenzofuran	ND<0.233	ND<0.395	ND<0.425	ND<0.468	ND<0.213	ND<0.172	ND<0.176	ND<0.182	0.191	ND<0.189	ND<0.188	ND<0.240	ND<0.187	ND<0.212	7.00	Not Listed	Not Listed	210.00
Diethylphthalate	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
Dimethylphthalate	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
Di-n-butylphthalate	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
Di-n-octylphthalate	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
Fluoranthene	ND<0.233	1.420	0.949	ND<0.468	ND<0.213	ND<0.172	ND<0.176	0.400	2.190	ND<0.189	0.500	0.422	ND<0.187	0.759	1,000.00	500.00	1,000.00	1,000.00
Fluorene	ND<0.233	ND<0.395	ND<0.425	ND<0.468	ND<0.213	ND<0.172	ND<0.176	ND<0.182	0.202	ND<0.189	ND<0.188	ND<0.240	ND<0.187	ND<0.212	30.00	500.00	1,000.00	386.00
Hexachlorobenzene	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
Hexachlorobutadiene	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
Hexachlorocyclopentadiene	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
Hexachloroethane	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
Indeno(1,2,3-cd)pyrene	ND<0.233	**0.587**	ND<0.425	ND<0.468	ND<0.213	ND<0.172	ND<0.176	ND<0.182	ND<0.188	ND<0.189	ND<0.188	ND<0.240	ND<0.187	ND<0.212	0.50	5.60	1.10	8.20
Isophorone	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
Naphthalene	ND<0.233	ND<0.395	ND<0.425	ND<0.468	ND<0.213	ND<0.172	ND<0.176	ND<0.182	0.226	ND<0.189	ND<0.188	ND<0.240	ND<0.187	ND<0.212	12.00	500.00	1,000.00	12.00
Nitrobenzene	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
N-Nitroso-di-n-propylamine	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
N-Nitrosodiphenylamine	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	Not Listed
Pentachlorophenol	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	Not Listed	Not Listed	Not Listed	800.00
Phenanthrene	ND<0.233	0.622	0.437	ND<0.468	ND<0.213	ND<0.172	ND<0.176	ND<0.182	1.800	ND<0.189	ND<0.188	ND<0.240	ND<0.187	0.347	1,000.00	500.00	1,000.00	1,000.00
Phenol	ND<0.466	ND<0.789	ND<0.849	ND<0.936	ND<0.426	ND<0.345	ND<0.353	ND<0.365	ND<0.375	ND<0.378	ND<0.377	ND<0.480	ND<0.373	ND<0.424	0.33	500.00	1,000.00	0.33
Pyrene	ND<0.233	1.370	0.937	ND<0.468	ND<0.213	ND<0.172	ND<0.176	0.412	2.070	ND<0.189	0.577	0.487	ND<0.187	0.774	1,000.00	500.00	1,000.00	1,000.00
Total SVOCs	None Detected	8.736	4.562	None Detected	None Detected	1.810	None Detected	2.030	17.205	None Detected	2.155	2.265	None Detected	5.450				
Total SVOC TICs	10.060	13.724	22.055	23.055	23.554	34.894	2.126	3.861	7.496	4.540	3.330	15.870	12.967	17.946	*Not Available*	*Not Available*	*Not Available*	*Not Available*
Total SVOCs & SVOC TICs	10.060	22.460	26.617	23.055	23.554	36.704	2.126	5.891	24.701	4.540	5.485	18.135	12.967	23.396				

NA = Not Applicable or Not Available

Bold type indicates a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for Unrestricted Use.

Red type indicates that the constituent was detected at a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Restricted Use Commercial

Highlighted type indicates that the constituent was detected at a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Restricted Use Industrial

Italicized type indicates a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Groundwater.

Table 3
Former Breneman Site
NYSDEC Brownfield Cleanup Program Remidial Investigation
NYSDEC BCP Site C738046

Summary of Pesticides in Soil Samples
Results in Parts Per Million (ppm)

Sample ID	120413-TP2-04	120413-TP3-05	120413-SB1-026	120413-TB8-2.5	120413-TP9-3	120413-TP11-10	120413-TP14-04	120413-SB-2-046	120413-TP15-10	120413-TP17-03	120513-SB3C-11	120513-SS-1	120513-SS-2	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Unrestricted Use	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Commercial Use	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Industrial Use	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Groundwater
Sample Location	**TP-2**	**TP-3**	**SB-1**	**TP-8**	**TP-9**	**TP-11**	**TP-14**	**SB-2**	**TP-15**	**TP-17**	**SB3C**	**SS-1**	**SS-2**				
Sample Depth	**4'**	**5'**	**2-6'**	**2.5'**	**3'**	**10'**	**4'**	**4-6'**	**10'**	**3'**	**11'**	**Surface**	**Surface**				
Sample Collection Date	**12/4/13**	**12/4/13**	**12/4/13**	**12/4/13**	**12/4/13**	**12/4/13**	**12/4/13**	**12/4/13**	**12/4/13**	**12/4/13**	**12/5/13**	**12/5/13**	**12/5/13**				
Pesticides																	
Aldrin	ND<0.00288	ND<0.00283	ND<0.00283	ND<0.00323	ND<0.00290	ND<0.00294	ND<0.00296	ND<0.00261	ND<0.00364	ND<0.00305	ND<0.00270	ND<0.00343	ND<0.00332	0.01	0.68	1.40	0.19
alpha Chlordane	ND<0.00288	ND<0.00283	ND<0.00283	ND<0.00323	ND<0.00290	ND<0.00294	ND<0.00296	ND<0.00261	ND<0.00364	ND<0.00305	ND<0.00270	ND<0.00343	ND<0.00332	0.09	24.00	NA	2.90
alpha-BHC	ND<0.00288	ND<0.00283	ND<0.00283	ND<0.00323	ND<0.00290	ND<0.00294	ND<0.00296	ND<0.00261	ND<0.00364	ND<0.00305	ND<0.00270	ND<0.00343	ND<0.00332	0.02	3.40	6.80	0.02
beta-BHC	ND<0.00288	ND<0.00283	ND<0.00283	ND<0.00323	ND<0.00290	ND<0.00294	ND<0.00296	ND<0.00261	ND<0.00364	ND<0.00305	ND<0.00270	ND<0.00343	ND<0.00332	0.04	3.00	14.00	0.09
Chlordane	ND<0.144	ND<0.142	ND<0.142	ND<0.162	ND<0.145	ND<0.147	ND<0.148	ND<0.131	ND<0.182	ND<0.152	ND<0.135	ND<0.172	ND<0.166	0.09	24.00	47.00	2.90
delta-BHC	ND<0.00288	ND<0.00283	ND<0.00283	ND<0.00323	ND<0.00290	ND<0.00294	ND<0.00296	ND<0.00261	ND<0.00364	ND<0.00305	ND<0.00270	ND<0.00343	ND<0.00332	0.04	500.00	1000.00	0.03
Dieldrin	ND<0.00288	ND<0.00283	ND<0.00283	ND<0.00323	ND<0.00290	ND<0.00294	ND<0.00296	ND<0.00261	ND<0.00364	ND<0.00305	ND<0.00270	ND<0.00343	ND<0.00332	0.01	1.40	2.80	0.10
Endosulfan I	ND<0.00288	ND<0.00283	ND<0.00283	ND<0.00323	ND<0.00290	ND<0.00294	ND<0.00296	ND<0.00261	ND<0.00364	ND<0.00305	ND<0.00270	ND<0.00343	ND<0.00332	2.40	200.00	920.00	102.00
Endosulfan II	ND<0.00288	ND<0.00283	0.00437	ND<0.00323	0.01210	ND<0.00294	ND<0.00296	ND<0.00261	0.00402	ND<0.00305	ND<0.00270	ND<0.00343	ND<0.00332	2.40	200.00	920.00	102.00
Endosulfan Sulfate	ND<0.00288	ND<0.00283	ND<0.00283	ND<0.00323	ND<0.00290	ND<0.00294	ND<0.00296	ND<0.00261	ND<0.00364	ND<0.00305	ND<0.00270	ND<0.00343	ND<0.00332	2.40	200.00	920.00	1000.00
Endrin	ND<0.00288	ND<0.00283	ND<0.00283	ND<0.00323	ND<0.00290	ND<0.00294	ND<0.00296	ND<0.00261	ND<0.00364	ND<0.00305	ND<0.00270	ND<0.00343	ND<0.00332	0.01	89.00	410.00	0.06
Endrin Aldehyde	ND<0.00288	ND<0.00283	ND<0.00283	ND<0.00323	ND<0.00290	ND<0.00294	ND<0.00296	ND<0.00261	ND<0.00364	ND<0.00305	ND<0.00270	ND<0.00343	ND<0.00332	100.00	NA	NA	100.00
Endrin Ketone	ND<0.00288	ND<0.00283	ND<0.00283	ND<0.00323	0.00711	ND<0.00294	ND<0.00296	ND<0.00261	ND<0.00364	ND<0.00305	ND<0.00270	ND<0.00343	ND<0.00332	100.00	NA	NA	100.00
gamma-Chlordane	ND<0.00288	ND<0.00283	ND<0.00283	ND<0.00323	ND<0.00290	ND<0.00294	ND<0.00296	ND<0.00261	ND<0.00364	ND<0.00305	ND<0.00270	ND<0.00343	ND<0.00332	100.000	NA	NA	14.00
gamma-BHC (Lindane)	ND<0.00288	ND<0.00283	ND<0.00283	ND<0.00323	ND<0.00290	ND<0.00294	ND<0.00296	ND<0.00261	ND<0.00364	ND<0.00305	ND<0.00270	ND<0.00343	ND<0.00332	0.280	9.20	NA	0.10
Heptachlor	ND<0.00288	ND<0.00283	ND<0.00283	ND<0.00323	ND<0.00290	ND<0.00294	ND<0.00296	ND<0.00261	ND<0.00364	ND<0.00305	ND<0.00270	ND<0.00343	ND<0.00332	0.420	15.00	29.00	0.38
Heptachlor Epoxide	ND<0.00288	ND<0.00283	ND<0.00283	ND<0.00323	ND<0.00290	ND<0.00294	ND<0.00296	ND<0.00261	ND<0.00364	ND<0.00305	ND<0.00270	ND<0.00343	ND<0.00332	100.000	NA	NA	0.02
Hexachlorobenzene	ND<0.00288	ND<0.00283	ND<0.00283	ND<0.00323	ND<0.00290	ND<0.00294	ND<0.00296	ND<0.00261	ND<0.00364	ND<0.00305	ND<0.00270	ND<0.00343	ND<0.00332	NA	NA	NA	NA
Methoxychlor	ND<0.00288	ND<0.00283	ND<0.00283	ND<0.00323	ND<0.00290	ND<0.00294	ND<0.00296	ND<0.00261	ND<0.00364	ND<0.00305	ND<0.00270	ND<0.00343	ND<0.00332	100.000	NA	NA	900.00
p,p'-DDD	ND<0.00288	ND<0.00283	ND<0.00283	ND<0.00323	ND<0.00290	ND<0.00294	ND<0.00296	ND<0.00261	**0.0379**	ND<0.00305	ND<0.00270	ND<0.00343	ND<0.00332	0.003	92.00	180.00	14.00
p,p'-DDE	ND<0.00288	ND<0.00283	ND<0.00283	ND<0.00323	ND<0.00290	ND<0.00294	ND<0.00296	ND<0.00261	**0.0216**	ND<0.00305	ND<0.00270	ND<0.00343	ND<0.00332	0.003	62.00	120.00	17.00
p,p'-DDT	ND<0.00288	ND<0.00283	ND<0.00283	ND<0.00323	**0.00695**	ND<0.00294	ND<0.00296	ND<0.00261	ND<0.00364	ND<0.00305	ND<0.00270	ND<0.00343	ND<0.00332	0.003	47.00	94.00	136.00
Toxaphene	ND<0.288	ND<0.283	ND<0.283	ND<0.323	ND<0.290	ND<0.294	ND<0.296	ND<0.261	ND<0.364	ND<0.305	ND<0.270	ND<0.343	ND<0.332	100.000	NA	NA	Not Listed
Total Pesticides	None Detected	None Detected	0.00437	None Detected	0.02616	None Detected	None Detected	None Detected	0.06352	None Detected	None Detected	None Detected	None Detected	NA			

NA = Not Applicable or Not Available

Bold type indicates a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for Unrestricted Use.

Red type indicates that the constituent was detected at a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Restricted Use Commercial

Highlighted type indicates that the constituent was detected at a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Restricted Use Industrial

Italicized type indicates a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Groundwater.

Table 3
Former Breneman Site
NYSDEC Brownfield Cleanup Program Remidial Investigation
NYSDEC BCP Site C738046

Summary of Pesticides in Soil Samples
Results in Parts Per Million (ppm)

Sample ID	120513-SS-3	120513-SS-4	120513-SS-5	120513-SS-6	120513-SS-7	120513-SB4-08	120613-SB5-D1013	120613-SS-8	120613-SS-9	120613_SB-6-10820	120613-SS-10	120613-SS-11	120613-SS-12	120513-SS-5A	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Unrestricted Use	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Commercial Use	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Industrial Use	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Groundwater
Sample Location	**SS-3**	**SS-4**	**SS-5**	**SS-6**	**SS-7**	**SB4**	**SB5**	**SS-8**	**SS-9**	**SB-6**	**SS-10**	**SS-11**	**SS-12**	**SS-5**				
Sample Depth	**Surface**	**Surface**	**Surface**	**Surface**	**Surface**	**8'**	**10-13'**	**Surface**	**Surface**	**1.5-2'**	**Surface**	**Surface**	**Surface**	**Surface**				
Sample Collection Date	**12/5/13**	**12/5/13**	**12/5/13**	**12/5/13**	**12/5/13**	**12/5/13**	**12/6/13**	**12/6/13**	**12/6/13**	**12/6/13**	**12/6/13**	**12/6/13**	**12/6/13**	**12/5/13**				
Pesticides																		
Aldrin	ND<0.00337	ND<0.00292	ND<0.00303	ND<0.00351	ND<0.00318	ND<0.00250	ND<0.00256	ND<0.00269	ND<0.00271	ND<0.00282	ND<0.00271	ND<0.00361	ND<0.00271	ND<0.00319	0.01	0.68	1.40	0.19
alpha Chlordane	ND<0.00337	ND<0.00292	ND<0.00303	ND<0.00351	ND<0.00318	ND<0.00250	ND<0.00256	ND<0.00269	ND<0.00271	ND<0.00282	ND<0.00271	ND<0.00361	ND<0.00271	ND<0.00319	0.09	24.00	NA	2.90
alpha-BHC	ND<0.00337	ND<0.00292	ND<0.00303	ND<0.00351	ND<0.00318	ND<0.00250	ND<0.00256	ND<0.00269	ND<0.00271	ND<0.00282	ND<0.00271	ND<0.00361	ND<0.00271	ND<0.00319	0.02	3.40	6.80	0.02
beta-BHC	ND<0.00337	ND<0.00292	ND<0.00303	ND<0.00351	ND<0.00318	ND<0.00250	ND<0.00256	ND<0.00269	ND<0.00271	ND<0.00282	ND<0.00271	ND<0.00361	ND<0.00271	ND<0.00319	0.04	3.00	14.00	0.09
Chlordane	ND<0.169	ND<0.148	ND<0.151	ND<0.175	ND<0.159	ND<0.125	ND<0.128	ND<0.135	ND<0.136	ND<0.141	ND<0.136	ND<0.181	ND<0.136	ND<0.159	0.09	24.00	47.00	2.90
delta-BHC	ND<0.00337	ND<0.00292	ND<0.00303	ND<0.00351	ND<0.00318	ND<0.00250	ND<0.00256	ND<0.00269	ND<0.00271	ND<0.00282	ND<0.00271	ND<0.00361	ND<0.00271	ND<0.00319	0.04	500.00	1000.00	0.03
Dieldrin	ND<0.00337	ND<0.00292	ND<0.00303	ND<0.00351	ND<0.00318	ND<0.00250	ND<0.00256	ND<0.00269	ND<0.00271	ND<0.00282	ND<0.00271	ND<0.00361	ND<0.00271	ND<0.00319	0.01	1.40	2.80	0.10
Endosulfan I	ND<0.00337	ND<0.00292	ND<0.00303	ND<0.00351	ND<0.00318	ND<0.00250	ND<0.00256	ND<0.00269	ND<0.00271	ND<0.00282	ND<0.00271	ND<0.00361	ND<0.00271	ND<0.00319	2.40	200.00	920.00	102.00
Endosulfan II	ND<0.00337	0.0188	0.0282	ND<0.00351	ND<0.00318	ND<0.00250	ND<0.00256	ND<0.00269	ND<0.00271	ND<0.00282	ND<0.00271	ND<0.00361	ND<0.00271	0.0104	2.40	200.00	920.00	102.00
Endosulfan Sulfate	ND<0.00337	ND<0.00292	ND<0.00303	ND<0.00351	ND<0.00318	ND<0.00250	ND<0.00256	ND<0.00269	ND<0.00271	ND<0.00282	ND<0.00271	ND<0.00361	ND<0.00271	ND<0.00319	2.40	200.00	920.00	1000.00
Endrin	ND<0.00337	ND<0.00292	ND<0.00303	ND<0.00351	ND<0.00318	ND<0.00250	ND<0.00256	ND<0.00269	ND<0.00271	ND<0.00282	ND<0.00271	ND<0.00361	ND<0.00271	ND<0.00319	0.01	89.00	410.00	0.06
Endrin Aldehyde	ND<0.00337	ND<0.00292	ND<0.00303	ND<0.00351	ND<0.00318	ND<0.00250	ND<0.00256	ND<0.00269	ND<0.00271	ND<0.00282	ND<0.00271	ND<0.00361	ND<0.00271	ND<0.00319	100.00	NA	NA	100.00
Endrin Ketone	ND<0.00337	ND<0.00292	ND<0.00303	ND<0.00351	ND<0.00318	ND<0.00250	ND<0.00256	ND<0.00269	ND<0.00271	ND<0.00282	ND<0.00271	ND<0.00361	ND<0.00271	ND<0.00319	100.00	NA	NA	100.00
gamma-Chlordane	ND<0.00337	ND<0.00292	ND<0.00303	ND<0.00351	ND<0.00318	ND<0.00250	ND<0.00256	ND<0.00269	ND<0.00271	ND<0.00282	ND<0.00271	ND<0.00361	ND<0.00271	ND<0.00319	100.000	NA	NA	14.00
gamma-BHC (Lindane)	ND<0.00337	ND<0.00292	ND<0.00303	ND<0.00351	ND<0.00318	ND<0.00250	ND<0.00256	ND<0.00269	ND<0.00271	ND<0.00282	ND<0.00271	ND<0.00361	ND<0.00271	ND<0.00319	0.280	9.20	NA	0.10
Heptachlor	ND<0.00337	ND<0.00292	ND<0.00303	ND<0.00351	ND<0.00318	ND<0.00250	ND<0.00256	ND<0.00269	ND<0.00271	ND<0.00282	ND<0.00271	ND<0.00361	ND<0.00271	ND<0.00319	0.420	15.00	29.00	0.38
Heptachlor Epoxide	ND<0.00337	ND<0.00292	ND<0.00303	ND<0.00351	ND<0.00318	ND<0.00250	ND<0.00256	ND<0.00269	ND<0.00271	ND<0.00282	ND<0.00271	ND<0.00361	ND<0.00271	ND<0.00319	100.000	NA	NA	0.02
Hexachlorobenzene	ND<0.00337	ND<0.00292	ND<0.00303	ND<0.00351	ND<0.00318	ND<0.00250	ND<0.00256	ND<0.00269	ND<0.00271	ND<0.00282	ND<0.00271	ND<0.00361	ND<0.00271	ND<0.00319	NA	NA	NA	NA
Methoxychlor	ND<0.00337	ND<0.00292	ND<0.00303	ND<0.00351	ND<0.00318	ND<0.00250	ND<0.00256	ND<0.00269	ND<0.00271	ND<0.00282	ND<0.00271	ND<0.00361	ND<0.00271	ND<0.00319	100.000	NA	NA	900.00
p,p'-DDD	ND<0.00337	ND<0.00292	ND<0.00303	ND<0.00351	ND<0.00318	ND<0.00250	ND<0.00256	ND<0.00269	ND<0.00271	ND<0.00282	ND<0.00271	ND<0.00361	ND<0.00271	ND<0.00319	0.003	92.00	180.00	14.00
p,p'-DDE	ND<0.00337	ND<0.00292	ND<0.00303	**0.00574**	**0.0167**	ND<0.00250	ND<0.00256	ND<0.00269	ND<0.00271	ND<0.00282	ND<0.00271	ND<0.00361	ND<0.00271	ND<0.00319	0.003	62.00	120.00	17.00
p,p'-DDT	ND<0.00337	**0.00694**	**0.0130**	**0.00561**	**0.0176**	ND<0.00250	ND<0.00256	ND<0.00269	ND<0.00271	ND<0.00282	ND<0.00271	ND<0.00361	ND<0.00271	**0.00753**	0.003	47.00	94.00	136.00
Toxaphene	ND<0.337	ND<0.292	ND<0.303	ND<0.351	ND<0.318	ND<0.250	ND<0.256	ND<0.269	ND<0.271	ND<0.282	ND<0.271	ND<0.361	ND<0.271	ND<0.319	100.000	NA	NA	Not Listed
Total Pesticides	None Detected	0.02574	0.0412	0.01135	0.0343	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	0.01793	NA			

NA = Not Applicable or Not Available

Bold type indicates a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for Unrestricted Use.

Red type indicates that the constituent was detected at a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Restricted Use Commercial

Highlighted type indicates that the constituent was detected at a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Restricted Use Industrial

Italicized type indicates a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Groundwater.

Table 4
Former Breneman Site
NYSDEC Brownfield Cleanup Program Remedial Investigation
NYSDEC BCP Site C738046

Summary of Polychlorinated Biphenyls (PCBs) in Soil Samples
Results in Parts Per Million (ppm)

Sample ID	120413-TP2-04	120413-TP3-05	120413-SB1-026	120413-TB8-2.5	120413-TP9-3	120413-TP11-10	120413-TP14-04	120413-SB-2-046	120413-TP15-10	120413-TP17-03	120512-SB3C-11	120513-SS-1	120513-SS-2	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Unrestricted Use (ppm)	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Commercial Use (ppm)	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Industrial Use (ppm)	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Groundwater (ppm)
Sample Location	**TP-2**	**TP-3**	**SB-1**	**TP-8**	**TP-9**	**TP-11**	**TP-14**	**SB-2**	**TP-15**	**TP-17**	**SB3C**	**SS-1**	**SS-2**				
Sample Depth	**4'**	**5'**	**2-6'**	**2.5'**	**3'**	**10'**	**4'**	**4-6'**	**10'**	**3'**	**11'**	**Surface**	**Surface**				
Sample Collection Date	**12/4/13**	**12/4/13**	**12/4/13**	**12/4/13**	**12/4/13**	**12/4/13**	**12/4/13**	**12/4/13**	**12/4/13**	**12/4/13**	**12/5/13**	**12/5/13**	**12/5/13**				
PCBs																	
Aroclor 1016	ND<0.0566	ND<0.0587	ND<0.0550	ND<0.0643	ND<0.0580	ND<0.0564	ND<0.0579	ND<0.0530	ND<0.0698	ND<0.0607	ND<0.0541	ND<0.0657	ND<0.0664	N/A	N/A	N/A	N/A
Aroclor 1221	ND<0.0566	ND<0.0587	ND<0.0550	ND<0.0643	ND<0.0580	ND<0.0564	ND<0.0579	ND<0.0530	ND<0.0698	ND<0.0607	ND<0.0541	ND<0.0657	ND<0.0664	N/A	N/A	N/A	N/A
Aroclor 1232	ND<0.0566	ND<0.0587	ND<0.0550	ND<0.0643	ND<0.0580	ND<0.0564	ND<0.0579	ND<0.0530	ND<0.0698	ND<0.0608	ND<0.0541	ND<0.0657	ND<0.0664	N/A	N/A	N/A	N/A
Aroclor 1242	ND<0.0566	ND<0.0587	ND<0.0550	ND<0.0643	ND<0.0580	ND<0.0564	ND<0.0579	ND<0.0530	ND<0.0698	ND<0.0609	ND<0.0541	ND<0.0657	ND<0.0664	N/A	N/A	N/A	N/A
Aroclor 1248	ND<0.0566	ND<0.0587	ND<0.0550	ND<0.0643	ND<0.0580	ND<0.0564	ND<0.0579	ND<0.0530	ND<0.0698	ND<0.0610	ND<0.0541	ND<0.0657	ND<0.0664	N/A	N/A	N/A	N/A
Aroclor 1254	ND<0.0566	ND<0.0587	ND<0.0550	ND<0.0643	ND<0.0580	ND<0.0564	ND<0.0579	ND<0.0530	**0.429**	ND<0.0611	ND<0.0541	ND<0.0657	ND<0.0664	N/A	N/A	N/A	N/A
Aroclor 1260	ND<0.0566	ND<0.0587	ND<0.0550	ND<0.0643	**0.306**	ND<0.0564	ND<0.0579	ND<0.0530	ND<0.0698	ND<0.0612	ND<0.0541	ND<0.0657	ND<0.0664	N/A	N/A	N/A	N/A
Total PCBs	None Detected	None Detected	None Detected	None Detected	0.306	None Detected	None Detected	None Detected	0.429	None Detected	None Detected	None Detected	None Detected	0.1	1	1	3.2

NA = Not Applicable or Not Available

Bold type indicates a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for Unrestricted Use.

Red type indicates that the constituent was detected at a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Restricted Use Commercial

Highlighted type indicates that the constituent was detected at a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Restricted Use Industrial

Italicized type indicates a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Groundwater.

Table 4
Former Breneman Site
NYSDEC Brownfield Cleanup Program Remedial Investigation
NYSDEC BCP Site C738046

Summary of Polychlorinated Biphenyls (PCBs) in Soil Samples
Results in Parts Per Million (ppm)

Sample ID	120513-SS-3	120513-SS-4	120513-SS-5	120513-SS-6	120513-SS-7	120513-SB4-08	120613-SB5-D1013	120613-SS-8	120613-SS-9	120613-SB-6-01820	120613-SS-10	120613-SS-11	120613-SS-12	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Unrestricted Use (ppm)	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Commercial Use (ppm)	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Industrial Use (ppm)	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Groundwater (ppm)
Sample Location	SS-3	SS-4	SS-5	SS-6	SS-7	SB4	SB5	SS-8	SS-9	SB-6	SS-10	SS-11	SS-12				
Sample Depth	Surface	Surface	Surface	Surface	Surface	8'	10-13'	Surface	Surface	1.5-2'	Surface	Surface	Surface				
Sample Collection Date	12/5/13	12/5/13	12/5/13	12/5/13	12/5/13	12/5/13	12/6/13	12/6/13	12/6/13	12/6/13	12/6/13	12/6/13	12/6/13				
PCBs																	
Aroclor 1016	ND<0.0683	ND<0.0577	ND<0.0620	ND<0.0708	ND<0.0628	ND<0.0502	ND<0.0516	ND<0.0543	ND<0.0565	ND<0.0543	ND<0.0560	ND<0.0687	ND<0.0550	N/A	N/A	N/A	N/A
Aroclor 1221	ND<0.0683	ND<0.0577	ND<0.0620	ND<0.0708	ND<0.0628	ND<0.0502	ND<0.0516	ND<0.0543	ND<0.0565	ND<0.0543	ND<0.0560	ND<0.0687	ND<0.0550	N/A	N/A	N/A	N/A
Aroclor 1232	ND<0.0683	ND<0.0577	ND<0.0620	ND<0.0708	ND<0.0628	ND<0.0502	ND<0.0516	ND<0.0543	ND<0.0565	ND<0.0543	ND<0.0560	ND<0.0687	ND<0.0550	N/A	N/A	N/A	N/A
Aroclor 1242	ND<0.0683	ND<0.0577	ND<0.0620	ND<0.0708	ND<0.0628	ND<0.0502	ND<0.0516	ND<0.0543	ND<0.0565	ND<0.0543	ND<0.0560	ND<0.0687	ND<0.0550	N/A	N/A	N/A	N/A
Aroclor 1248	ND<0.0683	ND<0.0577	ND<0.0620	ND<0.0708	ND<0.0628	ND<0.0502	ND<0.0516	ND<0.0543	ND<0.0565	ND<0.0543	ND<0.0560	ND<0.0687	ND<0.0550	N/A	N/A	N/A	N/A
Aroclor 1254	ND<0.0683	ND<0.0577	ND<0.0620	ND<0.0708	ND<0.0628	ND<0.0502	ND<0.0516	ND<0.0543	ND<0.0565	ND<0.0543	ND<0.0560	ND<0.0687	ND<0.0550	N/A	N/A	N/A	N/A
Aroclor 1260	ND<0.0683	**0.969**	2.000	ND<0.0708	ND<0.0628	ND<0.0502	ND<0.0516	ND<0.0543	ND<0.0565	ND<0.0543	ND<0.0560	ND<0.0687	ND<0.0550	N/A	N/A	N/A	N/A
Total PCBs	None Detected	0.969	2.000	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	None Detected	0.1	1	1	3.2

NA = Not Applicable or Not Available

Bold type indicates a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for Unrestricted Use.

Red type indicates that the constituent was detected at a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Restricted Use Commercial

Highlighted type indicates that the constituent was detected at a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Restricted Use Industrial

Italicized type indicates a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Groundwater.

Table 5
Former Breneman Site
NYSDEC Brownfield Cleanup Remedial Investigation
NYSDEC BCP Site C738046

Summary of TAL Metals in Soil Samples
Results in Parts Per Million (ppm)

Sample ID	120413-TP2-04	120413-TP3-05	120413-SB1-026	120413-TB8-2.5	120413-TP9-3	120413-TP11-10	120413-TP14-04	120413-SB-2-046	120413-TP15-10	120413-TP17-03	120513-SB3C-11	120513-SS-1	120513-SS-2	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Unrestricted Use (ppm)	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Commercial Use (ppm)	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Restricted Industrial Use (ppm)	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Groundwater (ppm)
Sample Location	**TP-2**	**TP-3**	**SB-1**	**TP-8**	**TP-9**	**TP-11**	**TP-14**	**SB-2**	**TP-15**	**TP-17**	**SB3**	**SS-1**	**SS-2**				
Samples Depth	**4'**	**5'**	**2-6'**	**2.5'**	**3'**	**10'**	**4'**	**4-6'**	**10'**	**3'**	**11'**	**Surface**	**Surface**				
Sample Collection Date	**12/4/13**	**12/4/13**	**12/4/13**	**12/4/13**	**12/4/13**	**12/4/13**	**12/4/13**	**12/4/13**	**12/4/13**	**12/4/13**	**12/5/13**	**12/5/13**	**12/5/13**				
TAL Metals																	
Aluminum	7930.00	4660.00	4700.00	5070.00	6610.00	6910.00	9370.00	5810.00	6800.00	7920.00	5770.000	5550.000	10800.000	Not Listed			
Antimony	ND<0.576	1.66	2.59	ND<0.652	5.27	ND<0.572	ND<0.608	ND<0.546	52.70	ND<0.622	10.200	0.837	1.230	Not Listed			
Arsenic	4.07	2.45	3.21	2.81	6.49	4.43	5.54	2.39	4.25	2.12	4.480	4.490	4.160	13.0	16.0	16.0	16.0
Barium	57.10	**360.00**	248.00	42.60	***2260.00***	66.50	78.60	***1090.00***	***1510.00***	36.30	***3910.000***	69.600	241.000	350.0	400.0	10,000.0	820.0
Berylium	0.51	ND<0.484	ND<0.444	ND<0.522	ND<2.37	ND<0.458	ND<0.486	ND<0.437	ND<1.21	ND<0.497	ND<0.445	ND<0.548	ND<0.532	7.2	590.0	2,700.0	47.0
Cadmium	ND<0.461	0.594	0.45	ND<0.522	ND<2.37	0.531	ND<0.486	ND<0.437	**3.63**	ND<0.497	1.430	ND<0.548	ND<0.532	2.5	9.3	60.0	7.5
Calcium	5650.00	33200.00	28700.00	21100.00	23900.00	16400.00	4150.00	14900.00	92500.00	1770.00	18200.000	10900.000	7560.000	Not Listed			
Chromium	9.49	11.00	19.20	8.44	117.00	11.00	12.50	9.58	**1380.00**	9.43	**377.000**	13.800	19.100	30.0	1,500.0	6,800.0	Not listed
Cobalt	6.51	2.44	2.71	3.23	ND<2.97	4.85	6.82	2.92	52.30	6.05	2.000	5.470	5.960	Not Listed			
Copper	29.70	16.90	16.00	24.40	34.30	35.10	43.70	21.30	**80.30**	33.90	34.800	37.700	22.400	50.0	270.0	10,000.0	1,720.0
Iron	17700.00	9030.00	8320.00	10300.00	17300.00	22200.00	15300.00	12700.00	15700.00	14300.00	13700.000	12500.000	16300.000	Not Listed			
Lead	11.00	**327.00**	**271.00**	56.90	***9020.00***	**102.00**	**157.00**	**325.00**	***7700.00***	8.60	***4050.00***	**287.000**	**199.000**	63.0	1,000.0	3,900.0	450.0
Magnesium	2470.00	3870.00	4470.00	3860.00	4460.00	5990.00	2500.00	4750.00	4600.00	3200.00	5220.000	3780.000	4180.000	Not Listed			
Manganese	420.00	280.00	272.00	345.00	531.00	570.00	754.00	472.00	161.00	277.00	202.000	390.000	510.000	1,600.0	10,000.0	10,000.0	2,000.0
Mercury	0.056	**0.387**	**0.256**	0.128	***13.10***	0.191	**0.372**	0.0706	***0.972***	0.0832	***6.47***	***1.190***	***0.999***	0.2	2.8	5.7	0.7
Nickel	13.50	6.99	6.37	7.89	11.40	10.90	12.80	9.77	18.60	13.30	10.600	12.900	13.700	30.0	310.0	10,000.0	130.0
Potassium	809.00	551.00	616.00	885.00	839.00	695.00	772.00	711.00	1030.00	1060.00	751.000	1060.000	1300.000	Not Listed			
Selenium	ND<1.15	ND<1.21	ND<1.11	ND<1.30	ND<5.94	ND<1.14	1.30	ND<1.09	ND<3.02	ND<1.24	ND<1.11	ND<1.37	ND<1.33	3.9	1,500.0	6,800.0	4.0
Silver	ND<0.807	ND<0.846	ND<0.777	ND<0.913	ND<4.16	ND<0.801	ND<0.851	ND<0.764	ND<2.11	ND<0.870	ND<0.779	ND<0.958	ND<0.931	2.0	1,500.0	6,800.0	8.3
Sodium	79.90	276.00	360.00	ND<65.2	ND<297	131.00	ND<60.8	123.00	507.00	75.40	267.000	ND<68.5	123.000	Not Listed			
Thallium	ND<1.15	ND<1.21	ND<1.11	ND<1.30	ND<5.94	ND<1.14	ND<1.22	ND<1.09	ND<3.02	ND<1.24	ND<1.11	ND<1.37	ND<1.33	Not Listed			
Vanadium	15.10	19.70	13.50	13.30	17.80	14.80	18.70	12.50	15.20	13.00	11.100	16.300	23.200	Not Listed			
Zinc	39.70	**163.00**	**150.00**	67.70	**672.00**	**148.00**	81.80	**518.00**	**978.00**	29.70	***4460.000***	95.400	**126.000**	109.0	10,000.0	10,000.0	2,480.0

NA = Not Applicable or Not Available

Bold type indicates a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for Unrestricted Use.

Red type indicates that the constituent was detected at a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Restricted Use Commercial

Highlighted type indicates that the constituent was detected at a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Restricted Use Industrial

Italicized type indicates a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Groundwater.

Table 5
Former Breneman Site
NYSDEC Brownfield Cleanup Remedial Investigation
NYSDEC BCP Site C738046

Summary of TAL Metals in Soil Samples
Results in Parts Per Million (ppm)

Sample ID	120513-SS-3	120513-SS-4	120513-SS-5	120513-SS-6	120513-SS-7	120513-SB4-08	120613-SB5-D1013	120613-SS-8	120613-SS-9	120613-SB-6-01820	120613-SS-10	120613-SS-11	120613-SS-12	120513-SS-5A	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Unrestricted Use (ppm)	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Commercial Use (ppm)	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Restricted Industrial Use (ppm)	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Groundwater (ppm)
Sample Location	**SS-3**	**SS-4**	**SS-5**	**SS-6**	**SS-7**	**SB4**	**SB5**	**SS-8**	**SS-9**	**SB-6**	**SS-10**	**SS-11**	**SS-12**	**SS-5**				
Samples Depth	**Surface**	**Surface**	**Surface**	**Surface**	**Surface**	**8'**	**10-13'**	**Surface**	**Surface**	**1.5-2'**	**Surface**	**Surface**	**Surface**	**Surface**				
Sample Collection Date	**12/5/13**	**12/5/13**	**12/5/13**	**12/5/13**	**12/5/13**	**12/5/13**	**12/6/13**	**12/6/13**	**12/6/13**	**12/6/13**	**12/6/13**	**12/6/13**	**12/6/13**	**12/5/13**				
TAL Metals																		
Aluminum	12900.000	4430.000	7190.000	6300.000	6160.000	4960.000	7200.000	6990.000	7410.000	6320.000	6470.000	4290.000	5010.000	5750.000	Not Listed			
Antimony	2.180	0.634	0.999	ND<0.684	ND<0.645	ND<0.534	ND<0.539	ND<0.536	ND<0.554	ND<0.553	ND<0.553	ND<0.705	ND<0.564	1.050	Not Listed			
Arsenic	4.220	2.670	2.560	3.670	2.710	2.460	2.460	2.520	3.170	1.800	2.990	2.560	2.390	2.470	13.0	16.0	16.0	16.0
Barium	169.000	242.000	264.000	80.100	31.400	26.200	24.000	36.000	51.500	28.400	50.000	54.800	134.000	240.000	350.0	400.0	10,000.0	820.0
Berylium	0.778	ND<0.477	ND<0.495	ND<0.547	ND<0.516	ND<0.428	ND<0.431	ND<0.429	ND<0.443	ND<0.442	ND<0.443	ND<0.564	ND<0.451	ND<0.516	7.2	590.0	2,700.0	47.0
Cadmium	ND<0.548	ND<0.477	ND<0.495	ND<0.547	ND<0.516	ND<0.428	ND<0.431	ND<0.429	ND<0.443	ND<0.442	ND<0.443	ND<0.564	ND<0.451	ND<0.516	2.5	9.3	60.0	7.5
Calcium	6700.000	18200.000	22400.000	31500.000	5520.000	32800.000	31300.000	9350.000	11900.000	14600.000	11800.000	13200.000	12600.000	15800.000	Not Listed			
Chromium	20.600	9.560	21.600	10.900	6.670	7.380	13.400	8.510	9.910	20.000	8.590	8.510	7.000	13.700	30.0	1,500.0	6,800.0	Not listed
Cobalt	7.300	3.120	3.790	3.890	2.910	3.850	4.840	4.410	4.360	5.140	4.230	3.330	3.650	3.610	Not Listed			
Copper	27.900	19.000	22.500	26.100	14.800	14.800	21.000	25.000	27.400	31.200	29.600	20.100	21.700	22.000	50.0	270.0	10,000.0	1,720.0
Iron	19200.000	10300.000	15200.000	11700.000	10000.000	11000.000	14700.000	13500.000	15300.000	12400.000	12400.000	9710.000	11000.000	12300.000	Not Listed			
Lead	**92.600**	**179.000**	**156.000**	**130.000**	26.600	6.640	2.780	11.400	28.100	20.300	42.900	**137.000**	43.600	**146.000**	63.0	1,000.0	3,900.0	450.0
Magnesium	4150.000	4240.000	6760.000	6400.000	2240.000	8840.000	10800.000	4750.000	4850.000	4900.000	5070.000	5340.000	4250.000	4020.000	Not Listed			
Manganese	486.000	419.000	437.000	444.000	280.000	364.000	401.000	431.000	414.000	318.000	511.000	341.000	580.000	489.000	1,600.0	10,000.0	10,000.0	2,000.0
Mercury	0.198	**0.503**	**0.349**	**0.371**	0.175	ND<0.0422	ND<0.0422	ND<0.0456	0.072	ND<0.0455	0.173	**0.600**	**0.238**	**0.254**	0.2	2.8	5.7	0.7
Nickel	18.500	8.370	9.570	10.100	6.600	8.640	11.800	10.800	11.000	26.000	9.510	7.710	8.720	8.710	30.0	310.0	10,000.0	130.0
Potassium	1510.000	639.000	996.000	1270.000	765.000	991.000	1110.000	677.000	822.000	898.000	876.000	896.000	729.000	878.000	Not Listed			
Selenium	ND<1.37	ND<1.19	ND<1.24	ND<1.37	ND<1.29	ND<1.07	ND<1.08	ND<1.07	ND<1.11	ND<1.11	ND<1.11	ND<1.41	ND<1.13	ND<1.29	3.9	1,500.0	6,800.0	4.0
Silver	ND<0.959	ND<0.835	ND<0.866	ND<0.957	ND<0.903	ND<0.748	ND<0.754	ND<0.751	ND<0.775	ND<0.774	ND<0.775	ND<0.988	ND<0.789	ND<0.903	2.0	1,500.0	6,800.0	8.3
Sodium	71.500	86.600	180.000	72.300	ND<64.5	122.000	179.000	ND<53.6	83.500	412.000	ND<55.3	ND<70.5	ND<56.4	124.000	Not Listed			
Thallium	ND<1.37	ND<1.19	ND<1.24	ND<1.37	ND<1.29	ND<1.07	ND<1.08	ND<1.07	ND<1.11	ND<1.11	ND<1.11	ND<1.41	ND<1.13	ND<1.29	Not Listed			
Vanadium	23.000	14.000	15.700	15.300	12.000	11.000	14.400	12.700	13.600	11.900	12.700	11.000	10.600	12.500	Not Listed			
Zinc	**111.000**	**122.000**	**109.000**	**132.000**	42.400	25.200	24.100	33.700	50.500	40.900	44.700	76.300	85.700	101.000	109.0	10,000.0	10,000.0	2,480.0

NA = Not Applicable or Not Available

Bold type indicates a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for Unrestricted Use.

Red type indicates that the constituent was detected at a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Restricted Use Commercial

Highlighted type indicates that the constituent was detected at a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Restricted Use Industrial

Italicized type indicates a concentration above the NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Groundwater.

Table 1
Former Breneman Site
NYSDEC Brownfield Cleanup Program Remedial Investigation
NYSDEC BCP Site C738046

Summary of Volatile Organic Compounds in Groundwater Samples
Results in Parts Per Billion (PPB)

Sample ID	MW-1	MW-2	MW-3	MW-4	NYSDEC Part 703 Groundwater Standards
Sample Collection Date	1/11/2014	1/11/2014	1/12/2014	1/12/2014	
Volatile Organic Compounds					
1,1,1-Trichloroethane	ND	ND	ND	ND	5
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	5.00
1,1,2-Trichloroethane	ND	ND	ND	ND	1.00
1,1-Dichloroethane	ND	ND	ND	ND	5.00
1,1-Dichloroethene	ND	ND	ND	ND	5.00
1,2,4-Trichlorobenzene	ND	ND	ND	ND	5.00
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	0.04
1,2-Dibromoethane	ND	ND	ND	ND	5.00
1,2-Dichlorobenzene	ND	ND	ND	ND	3.00
1,2-Dichloroethane	ND	ND	ND	ND	0.60
1,2-Dichloropropane	ND	ND	ND	ND	1.00
1,3,5-Trimethylbenzene	ND	ND	ND	ND	5.00
1,3-Dichlorobenzene	ND	ND	ND	ND	3.00
1,4-Dichlorobenzene	ND	ND	ND	ND	3.00
2-Butanone	ND	6.76	23.0	ND	50.00
2-Hexanone	ND	ND	ND	ND	NA
4-Methyl-2-pentanone	ND	**26.1**	**24.6**	ND	1.00
Acetone	ND	ND	ND	ND	50.00
Benzene	ND	ND	ND	ND	1.00
Bromodichloromethane	ND	ND	ND	ND	NA
Bromoform	ND	ND	ND	ND	NA
Bromomethane	ND	ND	ND	ND	5.00
Carbon disulfide	ND	ND	ND	ND	NA
Carbon Tetrachloride	ND	ND	ND	ND	5.00
Chlorobenzene	ND	ND	ND	ND	5.00
Chloroethane	ND	ND	ND	ND	5.00
Chloroform	ND	ND	ND	ND	7.00
Chloromethane	ND	ND	ND	ND	5.00
cis-1,2-dichloroethene	ND	ND	ND	ND	5.00
cis-1,3-Dichloropropane	ND	ND	ND	ND	5.00
Cyclohexane	ND	8.0	18.8	ND	NA
Dibromochloromethane	ND	ND	ND	ND	NA
Dichlorofluoromethane	ND	ND	ND	ND	5.00
Ethylbenzene	ND	**41.4**	**11.4**	ND	5.00
Isopropylbenzene	ND	**16.0**	**28.0**	ND	5.00
m,p-Xylene	ND	ND	ND	ND	5.00
Methyl acetate	ND	ND	ND	ND	1.00
Methyl tert-butyl ether	ND	ND	ND	ND	10.00
Methylcyclohexane	ND	128.0	127.0	ND	NA
Methylene chloride	ND	ND	ND	ND	5.00
o-Xylene	ND	**21.4**	**147.0**	**1.18**	1.00
Styrene	ND	ND	ND	ND	5.00
tert-Butylbenzene	ND	ND	ND	ND	5.00
Tetrachloroethene	ND	ND	ND	ND	5.00
Toluene	ND	ND	ND	ND	5.00
trans-1,2-dichloroethene	ND	ND	ND	ND	5.00
trans-1,3-Dichloropropane	ND	ND	ND	ND	5.00
Trichloroethene	ND	ND	ND	ND	5.00
Trichloroflouromethane	ND	ND	ND	ND	5.00
Vinyl chloride	ND	ND	ND	ND	2.00
Total VOCs	0.0000	247.6600	379.8000	1.18000	*Not Available*
Total VOC TICs	None Detected	None Detected	None Detected	None Detected	
Total VOCs & VOC TICs	0.0	0.0	0.0	0.0	

NA = Not Applicable or Not Available

Bold type indicates a concentration above the NYSDEC Part 703 Groundwater Standards.

Table 2
Former Breneman Site
NYSDEC Brownfield Cleanup Program Remedial Investigation
NYSDEC BCP Site C738046

Summary of Semi-Volatile Organic Compounds
Results in Parts Per Billion (ppb)

Sample ID	MW-1	MW-2	MW-3	MW-4	NYSDEC Part 703 Groundwater Standards
Sample Collection Date	1/11/2014	1/11/2014	1/12/2014	1/12/2014	
Semi-Volatile Organic Compounds					
1,1'Biphenyl	ND	ND	ND	ND	5.00
1,2-Dimethyl Cyclohexane	ND	**10.4**	**9.25**	ND	Not listed
1,3-Dimethyl Cyclohexane	ND	**19.6**	ND	ND	Not listed
1,4-Dimethyl Cyclohexane	ND	ND	**20.48**	ND	Not listed
1,2,3-Trimethyl Benzene	ND	**5.4**	**7.22**	ND	5.00
1,2,4,5 Tetramethyl Benzene	ND	ND	**5.31**	ND	Not listed
1-Ethyl-4-Methylcyclohexane	ND	**7.46**	ND	ND	Not listed
1-Methylpropyl Benzen	ND	**5.3**	ND	ND	Not listed
1-Methylpropyl Cyclohexane	ND	**7.64**	ND	ND	Not listed
2,4,5-Trichlorophenol	ND	ND	ND	ND	2.00
2,4,6-Trichlorophenol	ND	ND	ND	ND	2.00
2,4-Dichlorophenol	ND	ND	ND	ND	2.00
2,4-Dimethylphenol	ND	ND	ND	ND	2.00
2,4-Dinitrophenol	ND	ND	ND	ND	2.00
2,4-Dinitrotoluene	ND	ND	ND	ND	5.00
2,6-Dimethyl Heptane	ND	**5.24**	ND	ND	Not listed
2,6-Dinitrotoluene	ND	ND	ND	ND	5.00
2-Chloronaphthalene	ND	ND	ND	ND	5.00
2-Chlorophenol	ND	ND	ND	ND	2.00
2-Methylnaphthalene	ND	ND	ND	ND	N/A
2-Methylphenol	ND	ND	ND	ND	2.00
2-Nitroaniline	ND	ND	ND	ND	5.00
2-Nitrophenol	ND	ND	ND	ND	2.00
3&4-Methylphenol	ND	ND	ND	ND	2.00
3,3'-Dichlorobenzidine	ND	ND	ND	ND	5.00
3-Nitroaniline	ND	ND	ND	ND	5.00
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	2.00
4-Bromophenyl-phenylether	ND	ND	ND	ND	2.00
4-Chloro-3-methylphenol	ND	ND	ND	ND	2.00
4-Chloroaniline	ND	ND	ND	ND	5.00
4-Chlorophenyl-phenylether	ND	ND	ND	ND	N/A
4-Nitroaniline	ND	ND	ND	ND	5.00
4-Nitrophenol	ND	ND	ND	ND	2.00
7-Oxabicyclo Heptane	ND	**17.1**	**15.6**	**8.59**	Not listed
Acenaphthene	ND	ND	ND	ND	20.00
Acenaphthylene	ND	ND	ND	ND	N/A
Acetophenone	ND	ND	ND	ND	Not Listed
Anthracene	ND	ND	ND	ND	50.00
Atrazine	ND	ND	ND	ND	7.50
Benzaldehyde	ND	ND	**16.4**	ND	Not Listed
Benzo(a)anthracene	ND	ND	ND	ND	0.002
Benzo(a)pyrene	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	0.002
Benzo(g,h,i)perylene	ND	ND	ND	ND	N/A
Benzo(k)fluoranthene	ND	ND	ND	ND	0.002
bis(2-chloroethoxy)methane	ND	ND	ND	ND	5.00
Bis(2-chloroethyl)ether	ND	ND	ND	ND	1.00
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	Not Listed
bis(2-Ethylhexyl)Phthalate	ND	ND	ND	ND	5.00
Butylated Hydroxytoluene	**7.41**	**5.35**	**9.79**	**12.2**	Not listed
Butylbenzylphthalate	ND	ND	ND	ND	50.00
Caprolactam	**66.4**	**26.4**	**44.6**	**41.8**	N/A
Carbazole	ND	ND	ND	ND	N/A
Chrysene	ND	ND	ND	ND	0.002
Dibenz(a,h)anthracene	ND	ND	ND	ND	N/A
Dibenzofuran	ND	ND	ND	ND	Not listed
Diethylphthalate	ND	ND	ND	ND	50.00
Dimethylphthalate	ND	ND	ND	ND	50.00
Di-n-butylphthalate	ND	ND	ND	ND	50.00
Di-n-octylphthalate	ND	ND	ND	ND	50.00
Ethyl Cyclohexane	ND	**40.5**	**42.9**	ND	Not listed
Fluoranthene	ND	ND	ND	ND	50.00
Fluorene	ND	ND	ND	ND	50.00
Hexachlorobenzene	ND	ND	ND	ND	0.04
Hexachlorobutadiene	ND	ND	ND	ND	0.50
Hexachlorocyclopentadiene	ND	ND	ND	ND	5.00
Hexachloroethane	ND	ND	ND	ND	5.00
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	0.002
Isophorone	ND	ND	ND	ND	50.00
Naphthalene	ND	ND	ND	ND	10.00
Nitrobenzene	ND	ND	ND	ND	0.40
N-Nitroso-di-n-propylamine	ND	ND	ND	ND	50.00
N-Nitrosodiphenylamine	ND	ND	ND	ND	50.00
Pentachlorophenol	ND	ND	ND	ND	2.00
Phenanthrene	ND	ND	ND	ND	50.00
Phenol	ND	ND	ND	ND	2.00
Propyl-benzene	ND	ND	**11.8**	ND	5.00
Pyrene	ND	ND	ND	ND	50.00
Total SVOCs	66.400	26.400	61.000	41.8	
Total SVOC TICs	0.000	150.390	112.560	20.790	*Not Available*
Total SVOCs & SVOC TICs	66.400	176.790	173.560	62.590	

NA = Not Applicable or Not Available

Bold type indicates a concentration above the NYSDEC Part 703 Groundwater Standards.

Table 3
Former Breneman Site
NYSDEC Brownfield Cleanup Program Remidial Investigation
NYSDEC BCP Site C738046

Summary of Pesticides in Soil Samples
Results in Parts Per Billion (ppb)

Sample ID	MW-1	MW-2	MW-3	MW-4	NYSDEC Part 703 Groundwater Standards
Sample Collection Date	1/11/14	1/11/14	1/12/14	1/12/14	
Pesticides					
Aldrin	ND	ND	ND	ND	50.00
alpha Chlordane	ND	ND	ND	ND	0.05
alpha-BHC	ND	ND	ND	ND	0.01
beta-BHC	ND	ND	ND	ND	0.04
Chlordane	ND	ND	ND	ND	0.05
delta-BHC	ND	ND	ND	ND	0.04
Dieldrin	ND	ND	ND	ND	0.00
Endosulfan I	ND	ND	ND	ND	Not listed
Endosulfan II	ND	ND	ND	ND	50.00
Endosulfan Sulfate	ND	ND	ND	ND	50.00
Endrin	ND	ND	ND	ND	ND
Endrin Aldehyde	ND	ND	ND	ND	5.00
Endrin Ketone	ND	ND	ND	ND	5.00
gamma-Chlordane	ND	ND	ND	ND	0.05
gamma-BHC (Lindane)	ND	ND	ND	ND	0.05
Heptachlor	ND	ND	ND	ND	0.04
Heptachlor Epoxide	ND	ND	ND	ND	0.03
Hexachlorobenzene	ND	ND	ND	ND	0.04
Methoxychlor	ND	ND	ND	ND	35.00
p,p'-DDD	ND	ND	ND	ND	0.20
p,p'-DDE	ND	ND	ND	ND	0.20
p,p'-DDT	ND	ND	ND	ND	0.20
Toxaphene	ND	ND	ND	ND	0.06
Total Pesticides	None Detected	None Detected	None Detected	None Detected	

NA = Not Applicable or Not Available

Bold type indicates a concentration above the NYSDEC Part 703 Groundwater Standards.

Table 4
Former Breneman Site
NYSDEC Brownfield Cleanup Program Remedial Investigation
NYSDEC BCP Site C738046

Summary of Polychlorinated Biphenyls (PCBs) in Soil Samples
Results in Parts Per Billion (ppb)

Sample ID	MW-1	MW-2	MW-3	MW-4	NYSDEC Part 703 Groundwater Standards
Sample Collection Date	1/11/14	1/11/14	1/12/14	1/12/14	
PCBs					
Aroclor 1016	ND	ND	ND	ND	N/A
Aroclor 1221	ND	ND	ND	ND	N/A
Aroclor 1232	ND	ND	ND	ND	N/A
Aroclor 1242	ND	ND	ND	ND	N/A
Aroclor 1248	ND	ND	ND	ND	N/A
Aroclor 1254	ND	ND	ND	ND	N/A
Aroclor 1260	ND	ND	ND	ND	N/A
Total PCBs	None Detected	None Detected	None Detected	None Detected	

NA = Not Applicable or Not Available
Bold type indicates a concentration above the NYSDEC Part 703 Groundwater Standards.

Table 5
Former Breneman Site
NYSDEC Brownfield Cleanup Remedial Investigation
NYSDEC BCP Site C738046

Summary of TAL Metals in Soil Samples
Results in Parts Per Million (ppm)

Sample ID	MW-1	MW-2	MW-3	MW-4	NYSDEC Part 703 Groundwater Standards
Sample Collection Date	1/11/14	1/11/14	1/12/14	1/12/14	
TAL Metals					
Aluminum	1.66	**7.66**	1.43	**2.07**	2
Antimony	ND	**0.00977**	**0.05**	ND	0.006
Arsenic	ND	0.00524	ND	ND	0.025
Barium	0.0391	0.313	0.52	0.08	1.0
Berylium	ND	ND	ND	ND	0.003
Cadmium	ND	ND	ND	ND	0.005
Calcium	**96.4**	**152**	**180**	**162**	Not Listed
Chromium	0.0051	0.0449	0.02	0.00706	0.05
Cobalt	ND	ND	ND	ND	Not Listed
Copper	0.0064	0.0416	0.01	0.0109	0.2
Iron	**2.68**	**16.7**	**4.53**	**3.55**	0.05
Lead	0.0052	**0.243**	**0.133**	ND	0.025
Magnesium	**37.8**	**46.3**	**37.00**	23.1	35.0
Manganese	0.308	**1.95**	**0.94**	**0.748**	0.6
Mercury	ND	0.000237	0.000268	ND	0.0007
Nickel	0.005	0.01	ND	0.0089	0.2
Potassium	**18.7**	**11.6**	**10.9**	**8.68**	0.1
Selenium	ND	ND	ND	ND	0.01
Silver	ND	ND	ND	ND	0.1
Sodium	**205**	**272**	**347**	**355**	Not Listed
Thallium	ND	ND	ND	ND	0.0005
Vanadium	ND	0.0125	ND	ND	Not Listed
Zinc	0.0109	0.0666	0.104	0.0156	5.0

NA = Not Applicable or Not Available

Bold type indicates a concentration above the NYSDEC Part 703 Groundwater Standards.

Field Logs

LABELLA Associates, D.P.C. 300 STATE STREET, ROCHESTER, NY	PROJECT Former Breneman Site - C738046 8 East Utica Street Oswego, New York	**TEST PIT: TP - 1** SHEET 1 OF 1 **JOB: 214001** CHKD BY:

CONTRACTOR:
OPERATOR:
LABELLA REPRESENTATIVE: A.Benkleman

TEST PIT LOCATION: Northwest portion near Utica St.
GROUND SURFACE ELEVATION NA
START DATE: 12/4/13

DATUM: NA

TYPE OF EQUIPMENT: John Deere 160 LC Excavator

DEPTH (FEET)	SAMPLE: SAMPLE NO. AND DEPTH	SAMPLE: STRATA CHANGE (FEET)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			Grass Surface Fill, silty clay and brick, concrete, wood	0	0
2				0	2
4				0	4
			Refusal @ 4.5 Ft. Concrete Slab		
6					6
8					8
10					10
12					12
14					14
16					16

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	ND = Non Detect BGS = Below the Ground Surface
NA	NA	NA	NA			NA = Not Applicable

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

LABELLA Associates, D.P.C. 300 STATE STREET, ROCHESTER, NY	PROJECT Former Breneman Site - C738046 8 East Utica Street Oswego, New York	**TEST PIT: TP - 2** SHEET 1 OF 1 **JOB: 214001** CHKD BY:

CONTRACTOR:
OPERATOR:
LABELLA REPRESENTATIVE: ATB

TEST PIT LOCATION: Northwest portion near edge of slope
GROUND SURFACE ELEVATION NA
START DATE: 12/4/13

DATUM: NA

TYPE OF EQUIPMENT: John Deere 160 LC Excavator

DEPTH (FEET)	SAMPLE: SAMPLE NO. AND DEPTH	SAMPLE: STRATA CHANGE (FEET)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			Grass Surface Gray-brown silty clay, some gravel, trace boulder	0	0
2			Refusal @ 3.6 Ft. Concrete Slab Extended Test Pit west to end of slab		2
4	Sample ID: 120413-TP-2-D4 @ 4 Ft		6 in. layer of black cider, gravel	0	4
6					6
8					8
10					10
12					12
14					14
16					16

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	ND = Non Detect BGS = Below the Ground Surface
NA	NA	NA	NA			NA = Not Applicable

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

LABELLA Associates, D.P.C. 300 STATE STREET, ROCHESTER, NY	PROJECT Former Breneman Site - C738046 8 East Utica Street Oswego, New York	**TEST PIT: TP - 3** SHEET 1 OF 1 **JOB: 214001** CHKD BY:

CONTRACTOR:
OPERATOR:
LABELLA REPRESENTATIVE: D.Engert

TEST PIT LOCATION: Northern portion near Utica St.
GROUND SURFACE ELEVATION NA
START DATE: 12/4/13

DATUM: NA

TYPE OF EQUIPMENT: John Deere 160 LC Excavator

DEPTH (FEET)	SAMPLE: SAMPLE NO. AND DEPTH	SAMPLE: STRATA CHANGE (FEET)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			Grass Surface Fill - Brick, trace metal scrap, no odor, dry	0	0
2				0	2
4	Sample ID: 120413-TP-3-05 @ 5 Ft			0	4
6			Refusal @ 6 Ft. Concrete Slab		6
8					8
10					10
12					12
14					14
16					16

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	ND = Non Detect BGS = Below the Ground Surface
NA	NA	NA	NA			NA = Not Applicable

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

LABELLA Associates, D.P.C.
300 STATE STREET, ROCHESTER, NY

PROJECT
Former Breneman Site - C738046
8 East Utica Street
Oswego, New York

TEST PIT: TP - 4
SHEET 1 OF 1
JOB: 214001
CHKD BY:

CONTRACTOR:
OPERATOR:
LABELLA REPRESENTATIVE: D.Engert

TEST PIT LOCATION: Northern portion near Utica St.
GROUND SURFACE ELEVATION NA
START DATE: 12/4/13

DATUM: NA

TYPE OF EQUIPMENT: John Deere 160 LC Excavator

DEPTH (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			Grass Surface Fill - Brick, no odor, dry	0	0
2				0	2
4				0	4
6				0	6
			Refusal @ 7 Ft. Concrete Slab		
8					8
10					10
12					12
14					14
16					16

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	ND = Non Detect BGS = Below the Ground Surface
NA	NA	NA	NA			NA = Not Applicable

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

LABELLA Associates, D.P.C.
300 STATE STREET, ROCHESTER, NY

PROJECT
Former Breneman Site - C738046
8 East Utica Street
Oswego, New York

TEST PIT: TP - 5
SHEET 1 OF 1
JOB: 214001
CHKD BY:

CONTRACTOR:
OPERATOR:
LABELLA REPRESENTATIVE: D.Engert

TEST PIT LOCATION: Northern portion near Utica St.
GROUND SURFACE ELEVATION NA
START DATE: 12/4/13

DATUM: NA

TYPE OF EQUIPMENT: John Deere 160 LC Excavator

DEPTH (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			Grass Surface Topsoil	0	0
		1	Fill - Brick, no odor, dry		
2				0	2
4				0	4
6			Refusal @ 5.9 Ft. Concrete Slab		6
8					8
10					10
12					12
14					14
16					16

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	ND = Non Detect BGS = Below the Ground Surface
NA	NA	NA	NA			NA = Not Applicable

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

LABELLA Associates, D.P.C. 300 STATE STREET, ROCHESTER, NY	PROJECT Former Breneman Site - C738046 8 East Utica Street Oswego, New York	**TEST PIT: TP - 6** SHEET 1 OF 1 **JOB: 214001** CHKD BY:

CONTRACTOR:
OPERATOR:
LABELLA REPRESENTATIVE: D.Engert

TEST PIT LOCATION: Northern portion near Utica St.
GROUND SURFACE ELEVATION NA
START DATE: 12/4/13

DATUM: NA

TYPE OF EQUIPMENT: John Deere 160 LC Excavator

DEPTH (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			Grass Surface Topsoil	0	0
		1	Reworked native soil - brown f SAND, some silt, trace fm gravel, dry, no odor		
2				0	2
4				0	4
			Refusal @ 4.5 Ft. Concrete Slab		
6					6
8					8
10					10
12					12
14					14
16					16

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	ND = Non Detect BGS = Below the Ground Surface
NA	NA	NA	NA			NA = Not Applicable

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

LABELLA Associates, D.P.C.
300 STATE STREET, ROCHESTER, NY

PROJECT
Former Breneman Site - C738046
8 East Utica Street
Oswego, New York

TEST PIT: TP - 7
SHEET 1 OF 1
JOB: 214001
CHKD BY:

CONTRACTOR:
OPERATOR:
LABELLA REPRESENTATIVE: D.Engert

TEST PIT LOCATION: Northern portion near Utica St.
GROUND SURFACE ELEVATION NA
START DATE: 12/4/13

DATUM: NA

TYPE OF EQUIPMENT: John Deere 160 LC Excavator

DEPTH (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			Grass Surface Reworked native soil - brown f SAND, some silt, trace fm gravel, dry, no odor	0	0
2			Refusal @ 1.8 Ft. Concrete Slab		2
4					4
6					6
8					8
10					10
12					12
14					14
16					16

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	ND = Non Detect BGS = Below the Ground Surface
NA	NA	NA	NA			NA = Not Applicable

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

LABELLA Associates, D.P.C.
300 STATE STREET, ROCHESTER, NY

PROJECT
Former Breneman Site - C738046
8 East Utica Street
Oswego, New York

TEST PIT: TP - 8
SHEET 1 OF 1
JOB: 214001
CHKD BY:

CONTRACTOR:
OPERATOR:
LABELLA REPRESENTATIVE: D.Engert

TEST PIT LOCATION: Northern portion near Utica St.
GROUND SURFACE ELEVATION NA
START DATE: 12/4/13

DATUM: NA

TYPE OF EQUIPMENT: John Deere 160 LC Excavator

DEPTH (FEET)	SAMPLE: SAMPLE NO. AND DEPTH	SAMPLE: STRATA CHANGE (FEET)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			Grass Surface Reworked native soil - brown f SAND, some silt, trace fm gravel, dry, no odor	0	0
2	Sample ID: 120413-TP-8-2.5 @ 2.5 Ft			0	2
			Refusal @ 2.5 Ft. Concrete Slab		
4					4
6					6
8					8
10					10
12					12
14					14
16					16

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	ND = Non Detect BGS = Below the Ground Surface
NA	NA	NA	NA			NA = Not Applicable

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

LABELLA Associates, D.P.C.
300 STATE STREET, ROCHESTER, NY

PROJECT
Former Breneman Site - C738046
8 East Utica Street
Oswego, New York

TEST PIT: TP - 9
SHEET 1 OF 1
JOB: 214001
CHKD BY:

CONTRACTOR:
OPERATOR:
LABELLA REPRESENTATIVE: D.Engert

TEST PIT LOCATION: Northern portion near Utica St.
GROUND SURFACE ELEVATION NA
START DATE: 12/4/13

DATUM: NA

TYPE OF EQUIPMENT: John Deere 160 LC Excavator

DEPTH (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			Thin layer of topsoil over concrete slab (0.5 ft. thick)		0
		0.75	Fill - Brick, concrete, sand & gravel, dry, no odor	0	
2					2
	Sample ID: 120413-TP-9-3 @ 3 Ft			0	
4			Refusal @ 4 Ft. Footer		4
6					6
8					8
10					10
12					12
14					14
16					16

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	ND = Non Detect BGS = Below the Ground Surface
NA	NA	NA	NA			NA = Not Applicable

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

LABELLA Associates, D.P.C. 300 STATE STREET, ROCHESTER, NY	PROJECT Former Breneman Site - C738046 8 East Utica Street Oswego, New York	**TEST PIT: TP - 10** SHEET 1 OF 1 **JOB: 214001** CHKD BY:

CONTRACTOR:
OPERATOR:
LABELLA REPRESENTATIVE: D.Engert

TEST PIT LOCATION: Northern portion near Utica St.
GROUND SURFACE ELEVATION NA
START DATE: 12/4/13

DATUM: NA

TYPE OF EQUIPMENT: John Deere 160 LC Excavator

DEPTH (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			Grass Surface Topsoil	0	0
		1	Fill - Brick, concrete pieces, no odor, dry		
2				0	2
4				0	4
6				0	6
8				0	8
			Refusal @ 5.9 Ft. Concrete Slab		
10					10
12					12
14					14
16					16

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	ND = Non Detect BGS = Below the Ground Surface
NA	NA	NA	NA			NA = Not Applicable

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

LABELLA Associates, D.P.C.
300 STATE STREET, ROCHESTER, NY

PROJECT
Former Breneman Site - C738046
8 East Utica Street
Oswego, New York

TEST PIT: TP - 11
SHEET 1 OF 1
JOB: 214001
CHKD BY:

CONTRACTOR:
OPERATOR:
LABELLA REPRESENTATIVE: A.Benkleman

TEST PIT LOCATION:
GROUND SURFACE ELEVATION NA
START DATE: 12/4/13

DATUM: NA

TYPE OF EQUIPMENT: John Deere 160 LC Excavator

DEPTH (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			Tall Grass Surface Brown clayey silt with boulder size gravel, trace concrete and brick, moist Material loose	0	0
2				0	2
4				0	4
6				0	6
8				0	8
		9.5 Ft	Dark gray-brown silty clay with gravel, moist-wet, slight septic odor		
	Sample ID: 120413-TP-11-D10 @ 10 Ft				
10					10
12					12
14					14
16					16

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	ND = Non Detect BGS = Below the Ground Surface
NA	NA	NA	NA			NA = Not Applicable

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

LABELLA Associates, D.P.C. 300 STATE STREET, ROCHESTER, NY	PROJECT Former Breneman Site - C738046 8 East Utica Street Oswego, New York	**TEST PIT: TP - 12** SHEET 1 OF 1 **JOB: 214001** CHKD BY:

CONTRACTOR:
OPERATOR:
LABELLA REPRESENTATIVE: D.Engert

TEST PIT LOCATION:
GROUND SURFACE ELEVATION NA
START DATE: 12/4/13

DATUM: NA

TYPE OF EQUIPMENT: John Deere 160 LC Excavator

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0			Grass, thin layer topsoil Brown sand & gravel, some brick and concrete, moist (Fill Material)	0	0
2				0	2
4				0	4
6				0	6
8				0	8
10				0	10
12					12
14					14
16					16

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	ND = Non Detect BGS = Below the Ground Surface
NA	NA	NA	NA			NA = Not Applicable

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

LABELLA Associates, D.P.C.
300 STATE STREET, ROCHESTER, NY

PROJECT
Former Breneman Site - C738046
8 East Utica Street
Oswego, New York

TEST PIT: TP - 13
SHEET 1 OF 1
JOB: 214001
CHKD BY:

CONTRACTOR:
OPERATOR:
LABELLA REPRESENTATIVE: A.Benkleman

TEST PIT LOCATION:
GROUND SURFACE ELEVATION NA
START DATE: 12/4/13

DATUM: NA

TYPE OF EQUIPMENT: John Deere 160 LC Excavator

DEPTH (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			Tall Grass Surface Brown silty clay with gravel, brick and concrete, moist (Fill Material)	ND	0
2					2
4					4
6					6
8					8
10					10
12					12
14					14
16					16

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	ND = Non Detect BGS = Below the Ground Surface
NA	NA	NA	NA			NA = Not Applicable

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

LABELLA Associates, D.P.C.
300 STATE STREET, ROCHESTER, NY

PROJECT
Former Breneman Site - C738046
8 East Utica Street
Oswego, New York

TEST PIT: TP - 14
SHEET 1 OF 1
JOB: 214001
CHKD BY:

CONTRACTOR:
OPERATOR:
LABELLA REPRESENTATIVE: ATB

TEST PIT LOCATION:
GROUND SURFACE ELEVATION NA
START DATE: 12/4/13

DATUM: NA

TYPE OF EQUIPMENT: John Deere 160 LC Excavator

DEPTH (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			Tall Grass Surface Brown clayey silt with gravel, black cider, concrete (large pieces) and brick	ND	0
2			Excavated through same material to 10.4 Ft bgs Sample collected @ 4 Ft of black cider material with brown claey sitl Sample ID: 120413-TP-14-D4 @ 1500		2
4					4
6					6
8					8
10					10
12					12
14					14
16					16

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	ND = Non Detect BGS = Below the Ground Surface
NA	NA	NA	NA			NA = Not Applicable

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

LABELLA Associates, D.P.C.
300 STATE STREET, ROCHESTER, NY

PROJECT
Former Breneman Site - C738046
8 East Utica Street
Oswego, New York

TEST PIT: TP - 15
SHEET 1 OF 1
JOB: 214001
CHKD BY:

CONTRACTOR:
OPERATOR:
LABELLA REPRESENTATIVE: D.Engert

TEST PIT LOCATION:
GROUND SURFACE ELEVATION NA
START DATE: 12/4/13

DATUM: NA

TYPE OF EQUIPMENT: John Deere 160 LC Excavator

DEPTH (FEET)	SAMPLE: SAMPLE NO. AND DEPTH	SAMPLE: STRATA CHANGE (FEET)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			Grass, thin layer topsoil Brown sand & gravel, some brick fragments, moist (Fill Material)	0	0
2				0	2
4				0	4
6				0	6
8			Black f SAND, some f gravel, moist, strong petroleum-like odor	1100	8
	Sample ID: 120413-TP-15-10 @ 10 Ft		wet @ 9', water filling base of excavation	1890	
10				0	10
12					12
14					14
16					16

WATER LEVEL DATA			DEPTH (FT)		
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED
NA	NA	NA	NA		

NOTES:
ND = Non Detect
BGS = Below the Ground Surface
NA = Not Applicable

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

LABELLA Associates, D.P.C.
300 STATE STREET, ROCHESTER, NY

PROJECT
Former Breneman Site - C738046
8 East Utica Street
Oswego, New York

TEST PIT: TP - 16
SHEET 1 OF 1
JOB: 214001
CHKD BY:

CONTRACTOR:
OPERATOR:
LABELLA REPRESENTATIVE: ATB

TEST PIT LOCATION: Along the west site boundary
GROUND SURFACE ELEVATION NA
START DATE: 12/4/13

DATUM: NA

TYPE OF EQUIPMENT: John Deere 160 LC Excavator

DEPTH (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			Tall Grass Surface Brown-dark brown clayey silt with boulder size gravel, wood and brick, moist	3.0 ppm	0
2					2
4					4
6		6 Ft.	Brown clayey silt with black cinder coarse sand and gravel, boulder size gravel, wood and brick, wet, slight septic odor	1.0 ppm	6
8			water entering excavation at 8.2 Ft.		8
10					10
12					12
14					14
16					16

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	ND = Non Detect BGS = Below the Ground Surface
NA	NA	NA	NA			NA = Not Applicable

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

LABELLA Associates, D.P.C.
300 STATE STREET, ROCHESTER, NY

PROJECT
Former Breneman Site - C738046
8 East Utica Street
Oswego, New York

TEST PIT: TP - 17
SHEET 1 OF 1
JOB: 214001
CHKD BY:

CONTRACTOR:
OPERATOR:
LABELLA REPRESENTATIVE: ATB

TEST PIT LOCATION: Approx. 15 Ft up slope
GROUND SURFACE ELEVATION NA
START DATE: 12/4/13

DATUM: NA

TYPE OF EQUIPMENT: John Deere 160 LC Excavator

DEPTH (FEET)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0		18 in	Tall Grass Surface Brown-dark brown clayey silt with organics, moist	ND	0
		18 in	Light brown clayey silt, moist-dry	ND	
2					2
			Light brown clayey silt with some semi-round gravel, dry Material tigh likely native	ND	
4					4
			Excavate to 5 Ft. bgs Sample Collected @ 3 Ft Sample ID: 120413-TP-17-D3 @ 1645		
6					6
8					8
10					10
12					12
14					14
16					16

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	ND = Non Detect BGS = Below the Ground Surface
NA	NA	NA	NA			NA = Not Applicable

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

LABELLA Associates, D.P.C. 300 STATE STREET, ROCHESTER, NEW YORK	**PROJECT** Former Breneman Site - C738046 8 East Utica Street Oswego, New York	**BORING # SB-1** SHEET 1 OF 2 **JOB #** 214001 CHKD. BY

CONTRACTOR: Nature's Way
DRILLER
LABELLA REPRESENTATIVE: A.Benkleman

BORING LOCATION: Northwest corner near Utica St.
GROUND SURFACE ELEVATION DATUM
START DATE: 12/4/2013 END DATE: 12/4/2013

TYPE OF DRILL RIG
AUGER SIZE AND TYPE: 4.25" Hollow Stem Auger
OVERBURDEN SAMPLING METHOD: Split Spoon
ROCK DRILLING METHOD

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE						SAMPLE DESCRIPTION
	BLOW / 6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (INCHES)	PID	
1					8 in.	0	Brown silty clay, moist (6 in.)
						0	Crushed brick (2 in)
2							
3		Sample ID: 120413-SB-1-D26 Collected @ 1030 from 2-6 ft.			8 in.	0	Gray-brown silty clay, moist (6 in.)
						0	Crusched brick (2 in.)
4							
5					18 in.	0	Gray silty clay with brick (8 in.)
						0	Brown-gray to light gray silty clay, some gravel semi-round (10 in.)
6							
7					6 in.		Concrete slab 6-7 ft.
						0	Brown-gray silty sand, wet (5 in.)
						0	Layer of dark brown organic (1 in.)
8							
9					6 in.	0	Brown silt with gravel, moist
							Gravel in tip
10							
11					6 in.	0	Brown clayey silt with gravel, dry-moist
12							
13					6 in.	0	Gray-brown silt, some gravel, dry
14							
15					6 in.	0	Gray-brown silt, some gravel, dry
16							

LEGEND
S - SPLIT SPOON SOIL SAMPLE
U - UNDISTURBED SOIL SAMPLE
C - ROCK CORE SAMPLE

NOTES:

GENERAL NOTES:

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

LABELLA Associates, D.P.C.
300 STATE STREET, ROCHESTER, NEW YORK

PROJECT
Former Breneman Site - C738046
8 East Utica Street
Oswego, New York

#REF!
SHEET 2 OF 2
JOB # 214001
CHKD. BY

CONTRACTOR: Nature's Way
DRILLER
LABELLA REPRESENTATIVE: ATB

BORING LOCATION: Northwest corner near Utica St.
GROUND SURFACE ELEVATION DATUM
#REF! ####

TYPE OF DRILL RIG
AUGER SIZE AND TYPE: 4.25" Hollow Stem Auger
OVERBURDEN SAMPLING METHOD: Split Spoon
ROCK DRILLING METHOD

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE BLOW / 6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (INCHES)	PID	SAMPLE DESCRIPTION
17					6 in.	0	Gray-brown silt, some gravel, dry
18							
19					4in	0	Gray-brown silt, some gravel, dry
20							Stop Split Spoon Sampling at 18.5 ft.
21							Auger to 18 ft.
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							

LEGEND
S - SPLIT SPOON SOIL SAMPLE
U - UNDISTURBED SOIL SAMPLE
C - ROCK CORE SAMPLE

NOTES: MW-1:
Bottom @ 15 ft, Sand 18 ft. - 4 ft., Bentonite 4 ft. - 1 ft., 5 ft. pro casing, 2.5 ft. riser
Screen: 10 ft., 15 ft. - 5 ft.

GENERAL NOTES:
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

#REF!

LABELLA Associates, D.P.C.
300 STATE STREET, ROCHESTER, NEW YORK

PROJECT
Former Breneman Site - C738046
8 East Utica Street
Oswego, New York

BORING # SB-2
SHEET 1 OF 1
JOB # 214001
CHKD. BY

CONTRACTOR: Nature's Way
DRILLER
LABELLA REPRESENTATIVE: A.Benkleman

BORING LOCATION: Along west site boundary
GROUND SURFACE ELEVATION DATUM
START DATE: 12/4/2013 END DATE: 12/4/2013

TYPE OF DRILL RIG
AUGER SIZE AND TYPE: 4.25" Hollow Stem Auger
OVERBURDEN SAMPLING METHOD: Split Spoon
ROCK DRILLING METHOD

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE BLOW / 6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (INCHES)	PID	SAMPLE DESCRIPTION
						0	Brown silty clay, moist (6 in.)
1					14 in.	0	Gray-brown silty clay with sand, blk mottling, trace brick and gravel, moist (8 in.)
2							
						0	Dark red-brown clayey silt with gravel (3 in.)
3					16 in.	0	Light brown clayey silt with gravel (3 in.)
							Dark brown clayey silt with gravel, trace brick, moist (10 in.)
4							
		Sample ID: 120412-SB-2-D46 @1530 from 4 ft- 6 ft				0	Brown-dark brown silty sand with gravel semi-round, dark red mottling, moist-wet
5					10 in.		
6							
							Rock in tip
7					0 in.		Water in spoon
8							
						0	Silty sand with gravel, saturated
9					12 in.		
10							
						0	Brown fine sand, saturated, slight petroleum odor
11					12 in.	123 ppm	Brown coarse sand and gravel, red mottling, saturated, petroleum odor
12							
						5.5 ppm	Brown sand, saturated
13					12 in.	6 ppm	Gray-brown silt, moist
						17 ppm	Light brown silt, moist-dry
14						22 ppm	Light brown silt, dry (tight)
							Refusal @ 13.8 ft.
15							
16							

LEGEND
S - SPLIT SPOON SOIL SAMPLE
U - UNDISTURBED SOIL SAMPLE
C - ROCK CORE SAMPLE

NOTES: MW-2
Bottom set @ 13.8 ft., sand 13.8 ft. - 3 ft., bentonite 3 ft - surface, 5 ft. pro casing
Screen: 10 ft, from 13.8 ft. to 3.8 ft.

GENERAL NOTES:
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

LABELLA Associates, D.P.C.
300 STATE STREET
ROCHESTER, NEW YORK

PROJECT
Former Breneman Site - C738046
8 East Utica Street
Oswego, New York

BORING # SB-3
SHEET 1 OF 1
JOB # 214001
CHKD. BY

CONTRACTOR: Nature's Way
DRILLER:
LABELLA REPRESENTATIVE: D.Engert

BORING LOCATION:
GROUND SURFACE ELEVATION: DATUM:
START DATE: 12/5/13 END DATE:m 12/5/13

TYPE OF DRILL RIG: Rotary
AUGER SIZE AND TYPE: 4.25" Hollow Stem Auger
OVERBURDEN SAMPLING METHOD: Split spoon
ROCK DRILLING METHOD

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE						SAMPLE DESCRIPTION
	BLOWS / 6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (INCHES)	PID	
	1						Topsoil
1	8				12		Fill - sand & gravel, brick
	50/4					0	
2							
	20						
3	13				12		
	12						
4	7					10.6	Organic odor
	3						
5	5				6	0	
	7						
6	9						Wet at 6'
	50/3				2	0	Gray c SAND, some fine brick fragments, no odor
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							

LEGEND
S - SPLIT SPOON SOIL SAMPLE
U - UNDISTURBED SOIL SAMPLE
C - ROCK CORE SAMPLE

NOTES: Auger refusal @ 6.5' bgs. Relocate for second attempt.

GENERAL NOTES:
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

LABELLA Associates, D.P.C.
300 STATE STREET
ROCHESTER, NEW YORK

PROJECT
Former Breneman Site - C738046
8 East Utica Street
Oswego, New York

BORING # SB-3B
SHEET 1 OF 1
JOB # 214001
CHKD. BY

CONTRACTOR: Nature's Way
DRILLER:
LABELLA REPRESENTATIVE: D.Engert

BORING LOCATION:
GROUND SURFACE ELEVATION: DATUM:
START DATE: 12/5/13 END DATE:m 12/5/13

TYPE OF DRILL RIG: Rotary
AUGER SIZE AND TYPE: 4.25" Hollow Stem Auger
OVERBURDEN SAMPLING METHOD: Split spoon
ROCK DRILLING METHOD

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE						SAMPLE DESCRIPTION
	BLOWS / 6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (INCHES)	PID	
	2						Topsoil
1	7				11		Fill - sand & gravel, brick, dry, no odor
	15						
2	17					0.2	
	12						
3	9				12	0.1	
	5						
4	36						
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							

LEGEND
S - SPLIT SPOON SOIL SAMPLE
U - UNDISTURBED SOIL SAMPLE
C - ROCK CORE SAMPLE

NOTES: Auger refusal @ 6' bgs. Relocate for third attempt.

GENERAL NOTES:
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

LABELLA Associates, D.P.C.
300 STATE STREET
ROCHESTER, NEW YORK

PROJECT
Former Breneman Site - C738046
8 East Utica Street
Oswego, New York

BORING # SB-3C
SHEET 1 OF 1
JOB # 214001
CHKD. BY

CONTRACTOR: Nature's Way
DRILLER:
LABELLA REPRESENTATIVE: D.Engert

BORING LOCATION: Toe of slope, west
GROUND SURFACE ELEVATION: DATUM:
START DATE: 12/5/13 END DATE:m 12/5/13

TYPE OF DRILL RIG: Rotary
AUGER SIZE AND TYPE: 4.25" Hollow Stem Auger
OVERBURDEN SAMPLING METHOD: Split spoon
ROCK DRILLING METHOD

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE BLOWS / 6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (INCHES)	PID	SAMPLE DESCRIPTION
1							Auger to 6', not sampled.
2							
3							
4							
5							
6							
	2						
7	5				10	0	
	7						
8	9						
	34						
9	15				8		
	12						
10	5					820	
	2						
11	8	Sample ID: 120513-SB3C-11			10		
	4					562	
12	50/1						
13							
14							
15							
16							

LEGEND
S - SPLIT SPOON SOIL SAMPLE
U - UNDISTURBED SOIL SAMPLE
C - ROCK CORE SAMPLE

NOTES: MW-3
Bottom set @ 12 ft., sand 12 ft. - 2 ft., bentonite 1.5 ft - surface, 5 ft. pro casing
Screen: 10 ft, from 12 ft. to 2 ft.

GENERAL NOTES:
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

LABELLA Associates, D.P.C.
300 STATE STREET
ROCHESTER, NEW YORK

PROJECT
Former Breneman Site - C738046
8 East Utica Street
Oswego, New York

BORING # SB-4
SHEET 1 OF 1
JOB # 214001
CHKD. BY

CONTRACTOR: Nature's Way
DRILLER:
LABELLA REPRESENTATIVE: D.Engert

BORING LOCATION: Toe of slope, west
GROUND SURFACE ELEVATION: DATUM:
START DATE: 12/5/13 END DATE:m 12/5/13

TYPE OF DRILL RIG: Rotary
AUGER SIZE AND TYPE: 4.25" Hollow Stem Auger
OVERBURDEN SAMPLING METHOD: Split spoon
ROCK DRILLING METHOD

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE						SAMPLE DESCRIPTION
	BLOWS / 6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (INCHES)	PID	
1							Auger to 7', not sampled.
2							
3							
4							
5							
6							
7							
	49						Concrete slab - 8"
8	50/3	Sample ID: 120513-SB4-08			14	0	Fill, sand & gravel, brick fragments
	66						Dense gray SILT, trace f gravel (till) dry, no odor
9	50/3					0	
							Not sampled
10							
	50/5					0	Dense brown/gray mottled f SAND, trace silt, trace f gravel, dry, no odor
11					8		Not sampled
12							
	50/0						No recovery
13							
14							
	50/4				4		Dense gray SILT, trace f gravel (till) dry, no odor
15							
16	50/2				2		Dense gray SILT, trace f gravel (till) dry, no odor

LEGEND
S - SPLIT SPOON SOIL SAMPLE
U - UNDISTURBED SOIL SAMPLE
C - ROCK CORE SAMPLE

NOTES: Boring terminated @ 18'

GENERAL NOTES:
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

LABELLA Associates, D.P.C. 300 STATE STREET, ROCHESTER, NEW YORK	**PROJECT** Former Breneman Site - C738046 8 East Utica Street Oswego, New York	**BORING # SB-5** SHEET 1 OF 1 **JOB #** 214001 CHKD. BY

CONTRACTOR: Nature's Way
DRILLER
LABELLA REPRESENTATIVE: A.Benkleman

BORING LOCATION: Southeast corner of proposed building
GROUND SURFACE ELEVATION DATUM
START DATE: 12/6/2013 END DATE: 12/6/2013

TYPE OF DRILL RIG
AUGER SIZE AND TYPE: 4.25" Hollow Stem Auger
OVERBURDEN SAMPLING METHOD: Split Spoon
ROCK DRILLING METHOD

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE BLOW / 6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (INCHES)	PID	SAMPLE DESCRIPTION
1							Auger through demolition debris to 6 ft.
6							
7					12 in.	0	Brown-light brown clayey silt, trace gravel, wet (2 in.)
						0	Brown-light brown clayey silt, trace gravel semi-round, moist (10 in.)
8							
9					10 in.	0	Brown silt, trace gravel, gray mottling, moist
10							
11		Sample ID: 120613-SB-5-D1013 @ 815 from 10 - 13 ft.			5 in.	0	Brown-gray silt till with some gravel, dry
12							Sample collected from first native material (10 ft. - 13 ft.)
13					2 in.	0	Brown-gray silt till with some gravel, dry
14							Added water to help auger
15					10 in.	0	Gray silt till with some gravel, dry
16							
17					4 in.		Gray silt till with some gravel, dry
18							
19					4 in.		Gray silt till with some gravel, dry Stop split spoon, augured to 18 ft., no water in hole, grout bore hole to surface.
20							

LEGEND
S - SPLIT SPOON SOIL SAMPLE
U - UNDISTURBED SOIL SAMPLE
C - ROCK CORE SAMPLE

NOTES:

GENERAL NOTES:
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

LABELLA Associates, D.P.C.
300 STATE STREET, ROCHESTER, NEW YORK

PROJECT
Former Breneman Site - C738046
8 East Utica Street
Oswego, New York

BORING # SB-6
SHEET 1 OF 2
JOB # 214001
CHKD. BY

CONTRACTOR: Nature's Way
DRILLER
LABELLA REPRESENTATIVE: A.Benkleman

BORING LOCATION: South portion of site near 1st Street
GROUND SURFACE ELEVATION DATUM
START DATE: 12/6/2013 END DATE: 12/6/2013

TYPE OF DRILL RIG
AUGER SIZE AND TYPE: 4.25" Hollow Stem Auger
OVERBURDEN SAMPLING METHOD: Split Spoon
ROCK DRILLING METHOD

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE BLOW / 6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (INCHES)	PID	SAMPLE DESCRIPTION
1					0		Rock in tip of spoon
2							
3					12 in.	0	Brown clayey silt and sand with gravel, trace organic, material is loose likely fill
4							
5					2 in.	0	Brown clayey silt with gravel and coarse sand, moist Asphalt in spoon tip
6							
7					6 in.	0	Brown clayey silt with sand and gravel, trace black gravel, moist
8							
9					24 in.	0	Brown clayey silt with sand and gravel, trace black gravel, moist (2 in.)
						0	Black cinder, crushed gravel (2 in.)
						0	Brown silt some gravel (6 in.)
10						0	Black cinder with brick (2 in.)
11					24 in.	0	Brown silt and sand, moist (12 in.)
						0	Black cinder and sand and gravel (12 in.)
12						0	Brown silt with gravel, trace brick, moist (12 in.)
13					12 in.	0	Fall back (2 in.) Brown silt with gravel, moist (10 in)
14							
15					12 in.	0	Brown silt with gravel, moist (4 in)
						0	Dark brown-brown sand with trace gravel (8 in.)
16							

LEGEND
S - SPLIT SPOON SOIL SAMPLE
U - UNDISTURBED SOIL SAMPLE
C - ROCK CORE SAMPLE

NOTES:

GENERAL NOTES:

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

LABELLA Associates, D.P.C.
300 STATE STREET, ROCHESTER, NEW YORK

PROJECT
Former Breneman Site - C738046
8 East Utica Street
Oswego, New York

BORING # SB-6
SHEET 2 OF 2
JOB # 214001
CHKD. BY

CONTRACTOR: Nature's Way
DRILLER
LABELLA REPRESENTATIVE: A.Benkleman

BORING LOCATION: Northwest corner near Utica St.
GROUND SURFACE ELEVATION DATUM
#REF! ####

TYPE OF DRILL RIG
AUGER SIZE AND TYPE: 4.25" Hollow Stem Auger
OVERBURDEN SAMPLING METHOD: Split Spoon
ROCK DRILLING METHOD

WATER LEVEL DATA				
DATE	TIME	WATER	CASING	REMARKS

DEPTH	SAMPLE BLOW / 6"	NO.	DEPTH (FT.)	N-VALUE /RQD(%)	RECOVERY (INCHES)	PID	SAMPLE DESCRIPTION
17					10 in.	0	Brown silt with gravel, trace brick lense, moist
18							
19		Sample ID: 120613-SB-6-D1820 @ 1130			12 in.	0	Brown silt with gravel, orange mottling, moist-wet
						0	@ 6 in Black-grau mottling
						0	Gray-brown silt, moist
20							Sample collected from 18 ft. - 20 ft.
21					12 in.	0	Gray-brown silt, trace gravel, moist
22							
23					8 in.	0	Gray-brown silt some gravel, trace sand, red mottling
24							
25							Auger to 24 ft.
26							
27							
28							
29							
30							
31							
32							

LEGEND
S - SPLIT SPOON SOIL SAMPLE
U - UNDISTURBED SOIL SAMPLE
C - ROCK CORE SAMPLE

NOTES: MW-4:
Bottom @ 24 ft, Sand 24 ft. - 12.5 ft., Bentonite 12.5 ft. - surface, 5 ft. pro casing, 2 ft. riser
Screen: 10 ft., 24 ft. - 14 ft.

GENERAL NOTES:
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE