

**FORMER BRENEMAN SITE**

**OSWEGO COUNTY**

**OSWEGO, NEW YORK**

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# **Final Engineering Report**

**NYSDEC Site Number: C738046**

**Prepared for:**

Canalview Development, LLC

70 East First Street

Oswego, NY 13126

**Prepared by:**

LaBella Associates, DPC

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**JULY 2020**

# CERTIFICATIONS

I, Daniel Noll, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Remedial Action Work Plan was implemented and that all construction activities were completed in substantial conformance with the Department-approved Remedial Action Work Plan.

I certify that the data submitted to the Department with this Final Engineering Report demonstrates that the remediation requirements set forth in the Remedial Action Work Plan and in all applicable statutes and regulations have been or will be achieved in accordance with the time frames, if any, established for the remedy.

I certify that all use restrictions, Institutional Controls, Engineering Controls, and/or any operation and maintenance requirements applicable to the Site are contained in an environmental easement created and recorded pursuant ECL 71-3605 and that all affected local governments, as defined in ECL 71-3603, have been notified that such easement has been recorded.

I certify that a Site Management Plan has been submitted for the continual and proper operation, maintenance, and monitoring of all Engineering Controls employed at the Site, including the proper maintenance of all remaining monitoring wells, and that such plan has been approved by the Department.

I certify that all documents generated in support of this report have been submitted in accordance with the DER's electronic submission protocols and have been accepted by the Department.

I certify that all data generated in support of this report have been submitted in accordance with the Department's electronic data deliverable and have been accepted by the Department.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Daniel Noll, of LaBella Associates, DPC, am certifying as Owner's Designated Site Representative for the site.

081996

NYS Professional Engineer #

7/30/2020

Date



Signature



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# LIST OF ACRONYMS

AS	Air Sparging
ASP	Analytical Services Protocol
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CAMP	Community Air Monitoring Plan
C/D	Construction and Demolition
CFR	Code of Federal Regulation
CLP	Contract Laboratory Program
COC	Certificate of Completion
CO2	Carbon Dioxide
CP	Commissioner Policy
DER	Division of Environmental Remediation
EC	Engineering Control
ECL	Environmental Conservation Law
ELAP	Environmental Laboratory Approval Program
ERP	Environmental Restoration Program
EWP	Excavation Work Plan
GHG	Green House Gas
GWE&T	Groundwater Extraction and Treatment
HASP	Health and Safety Plan
IC	Institutional Control
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYCRR	New York Codes, Rules and Regulations
O&M	Operation and Maintenance
OM&M	Operation, Maintenance and Monitoring
OSHA	Occupational Safety and Health Administration
OU	Operable Unit
PID	Photoionization Detector
PRP	Potentially Responsible Party
PRR	Periodic Review Report
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
RAO	Remedial Action Objective
RAWP	Remedial Action Work Plan
RCRA	Resource Conservation and Recovery Act
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
RP	Remedial Party
RSO	Remedial System Optimization
SAC	State Assistance Contract
SCG	Standards, Criteria and Guidelines
SCO	Soil Cleanup Objective

SMP	Site Management Plan
SOP	Standard Operating Procedures
SOW	Statement of Work
SPDES	State Pollutant Discharge Elimination System
SSD	Sub-slab Depressurization
SVE	Soil Vapor Extraction
SVI	Soil Vapor Intrusion
TAL	Target Analyte List
TCL	Target Compound List
TCLP	Toxicity Characteristic Leachate Procedure
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VCA	Voluntary Cleanup Agreement
VCP	Voluntary Cleanup Program

# **FINAL ENGINEERING REPORT**

## **1.0 BACKGROUND AND SITE DESCRIPTION**

Canalview Development, LLC entered into a Brownfield Cleanup Agreement (BCA), with the New York State Department of Environmental Conservation (NYSDEC) in March 2013, to investigate and remediate a 2.1044-acre property located in the City of Oswego, New York. A portion of the property was remediated to restricted residential use, and the remainder was remediated to commercial use.. A Site Location Map is included as Figure 1.

The site is located in the County of Oswego, New York and is identified as Block 0004 and Lot 004.01 on the City of Oswego Tax Map #128.63. The site is situated on an approximately 2.1044-acre area bounded by East Utica Street to the north, the Oswego Canal Lock 7 access road to the south, East First Street to the east, and a canal/riverfront park to the west (see Figure 2). The boundaries of the site are fully described in Appendix A: Survey Map, Metes and Bounds.

An electronic copy of this FER with all supporting documentation is included as Appendix B.

## **2.0 SUMMARY OF SITE REMEDY**

### **2.1 REMEDIAL ACTION OBJECTIVES**

Based on the results of the Remedial Investigation, the following Remedial Action Objectives (RAOs) were identified for this site.

#### **2.1.1 Groundwater RAOs**

RAOs for Public Health Protection

- Prevent ingestion of groundwater containing contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of, volatiles emanating from contaminated groundwater.

RAOs for Environmental Protection

- Restore ground water aquifer, to the extent practicable, to pre-disposal/pre-release conditions.
- Remove the source of ground or surface water contamination.

#### **2.1.2 Soil RAOs**

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of, or exposure to, contaminants volatilizing from contaminated soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.

#### **2.1.3 Soil Vapor RAOs**

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at a site.

## **2.2 DESCRIPTION OF SELECTED REMEDY**

The site was remediated in accordance with the remedy approved by the NYSDEC in the decision document dated August 2, 2016, which was updated by the NYSDEC-approved RAWP dated March 2019.

The factors considered during the selection of the remedy are those listed in 6NYCRR 375-1.8. The following are the components of the selected remedy:

1. Construction and maintenance of a soil cover system to prevent human exposure to remaining contaminated soil/fill remaining at the site. In the commercial use portion of the site the cover system consists of one foot of crushed gravel over a fabric and geogrid demarcation layer. In the restricted residential use portion of the site the cover system consists of concrete slabs with two feet of crushed gravel over a fabric and geogrid demarcation layer in the remainder of the restricted residential portion;
2. Injection of 6,500 pounds of a chemical oxidant (PeroxyChem Kloxur® CR, a high pH activated persulfate product) to chemically oxidize contaminants of concern and enhance degradation. The oxidant was mixed into an approximately 20% (by volume) slurry and injected into the subsurface via direct push (i.e., Geoprobe) injection points. The oxidant was injected over two events, one in January 2019 (3,645 pounds) and the other in October 2019 (2,855 pounds).;
3. Installation of six (6) injection wells to facilitate additional injections if needed.
4. Execution and recording of an Environmental Easement to restrict land use and prevent future exposure to any contamination remaining at the site.
5. Prohibition on the use of groundwater underlying the property without necessary water quality treatment as determined by the NYSDOH or the Oswego Department of Health.

6. The potential for vapor intrusion must be evaluated for any buildings developed in the area with the IC boundaries as noted in the SMP and monitoring or mitigation of any potential impacts identified.
7. Development and implementation of a Site Management Plan for long term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance and (4) reporting;
8. Periodic certification of the institutional and engineering controls listed above.

### **3.0 INTERIM REMEDIAL MEASURES, OPERABLE UNITS AND REMEDIAL CONTRACTS**

The information and certifications made in the Topsoil Relocation Report dated August 2016 were relied upon to prepare this report and certify that the remediation requirements for the site have been met.

#### **3.1 TOPSOIL RELOCATION**

In August 2014 approximately 200 cubic yards of topsoil was removed from the Breneman Site and relocated to property located to the east of the Breneman Site, across East First Street and addressed 215-221 East First Street. The topsoil was placed on and covered with polyethylene sheeting. Characterization samples were collected and analyzed for VOCs, SVOCs, PCBs, pesticides, and Metals.

In June 2016 a Topsoil Relocation Work Plan was submitted to the NYSDEC. The work plan detailed the soil characterization data and provided information on the proposed relocation site. The NYSDEC approved the work plan in an email dated June 24th, 2016 with modifications.

Topsoil staged across the street from the Breneman Site was relocated on July 7, 2016 under the supervision of a LaBella Environmental Geologist. NYSDEC Region 7 personnel were present to provide oversight of the remedial program. Prior to trucks leaving the site particulate monitors were placed on the west-central, northeast and southeast portions of the work area. In addition, a hand-held photoionization detector (PID) was utilized to monitor volatile organic compounds (VOCs) in air. Particulate levels were not detected above threshold values detailed in the New York State Department of Health (NYSDOH) Generic Community Air Monitoring Plan. Further, elevated PID readings were not observed during soil loading operations.

Topsoil was loaded into dump trucks for transportation to the relocation sites. During loading the soil was screened with a PID. Elevated PID readings were not observed from the soil. Due to observations of visible dust during loading a water mist was employed to minimize fugitive dust emissions. Each load was tarped prior to leaving the site. Subsequent to removal of the topsoil pile the staging area was seeded.



Topsoil originating from the Breneman Site was transported to the following relocation sites:

Relocation Site # 1

Address: 85 Bayshore Drive, Oswego (Town of Scriba), NY 13126

Tax ID#: 095.00-01-06.111

Owners: George Broadwell, Shane Broadwell, Alexandria Broadwell

Amount of Material Placed: Approximately 100 cubic yards

Relocation Site #2

Address: 74 Bayshore Drive, Oswego (Town of Scriba), NY 13126

Tax ID#: 095.00-01-06.2

Owner: George Broadwell

Amount of Material Placed: Approximately 100 cubic yards

A copy of the Topsoil Relocation Report is included in Appendix C. The original location of the topsoil is depicted on Figure 3.

## **4.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED**

Remedial activities completed at the Site were conducted in accordance with the NYSDEC-approved Remedial Action Work Plan (RAWP) for the Former Breneman Site (March 2019). All deviations from the RAWP are noted below.

### **4.1 GOVERNING DOCUMENTS**

The primary governing document related to the remedy is the Remedial Alternatives Analysis & Remedial Action Work Plan dated February 2016, revised March 2019 prepared by LaBella Associates, DPC. This document details the selected remedy and work plan.

#### **4.1.1 Site Specific Health & Safety Plan (HASP)**

All remedial work performed under this Remedial Action was in full compliance with governmental requirements, including Site and worker safety requirements mandated by Federal OSHA.

The HASP was included as Appendix 4 of the RAWP approved by the NYSDEC. The Health and Safety Plan (HASP) was complied with for all remedial and invasive work performed at the Site.

#### **4.1.2 Quality Assurance Project Plan (QAPP)**

The QAPP was included as Appendix 6 of the RAWP approved by the NYSDEC. The QAPP describes the specific policies, objectives, organization, functional activities and quality assurance/ quality control activities designed to achieve the project data quality objectives.

#### **4.1.3 Construction Quality Assurance Project Plan (CQAP)**

A separate CQAP was not prepared for the site, however elements that would be included in a CQAP were incorporated into the RAWP, including quality assurance, community air monitoring, sample activities, documentation and reporting.

#### **4.1.4 Soil/Materials Management Plan (S/MMP)**

A separate S/MMP was not prepared for the site, however elements that would be included in a S/MMP were incorporated into the RAWP, including erosion and sedimentation control, quality control, community air monitoring, health and safety, documentation and reporting.

#### **4.1.5 Storm-Water Pollution Prevention Plan (SWPPP)**

The erosion and sediment controls for all remedial construction were performed in conformance with requirements presented in the New York State Guidelines for Urban Erosion and Sediment Control. A SWPPP was not prepared for the Site, however erosion and sedimentation control measures adhered to Section 9.5 of the RAWP.

#### **4.1.6 Community Air Monitoring Plan (CAMP)**

The CAMP implemented during the Remedial Action activities was completed in accordance with the Site-specific CAMP included in the RAWP. Equipment for CAMP monitoring included upwind and downwind monitoring with a MiniRAE 3000 PID for VOC readings and TSI DustTrak™ II Aerosol Monitors (model 8530) for particulate concentrations in air. Based on daily wind conditions, a background monitoring (upwind) location and downwind location were positioned to monitor VOCs and concentrations of particulates in the air. Action levels for VOCs in the CAMP were specified as greater than 5 ppm, in which case work was to be halted and corrective actions are to be taken such as backfilling or covering soils. If organic vapor levels exceed 25 ppm at the perimeter of the work area activities will be shut down.

Actions levels for particulate concentrations downwind were specified as greater than  $100 \mu\text{g}/\text{m}^3$  above background concentrations for a 15-minute period or if airborne dust was observed leaving the work area. In the event  $100 \mu\text{g}/\text{m}^3$  is exceeded the CAMP specifies that fugitive dust control techniques must be employed which can include wetting down haul roads, spraying buckets, and covering areas with plastic sheeting. If downwind particulate levels exceed  $150 \mu\text{g}/\text{m}^3$  above background concentrations work must be halted and dust control measures must be reevaluated.

#### **4.1.7 Community Participation Plan**

The following actions were conducted in accordance with the site's Community Participation Plan and community participation requirements under Part 375. A fact sheet was sent to the site contact list via the NYSDEC's listserv in January 2019, prior to the start of the injections for remediation, announcing the start of remedial action.

### **4.2 REMEDIAL PROGRAM ELEMENTS**

#### **4.2.1 Contractors and Consultants**

The following provides a list of consultants and contractors involved with the remedy.

**Table 4.2.1 – Contractors and Consultants**

<b>Contractor/ Consultant</b>	<b>Role</b>
LaBella Associates, D.P.C.	Environmental consultant responsible for correspondence with NYSDEC, insuring compliance with applicable BCP documents, environmental oversight, reporting, sample collection and CAMP monitoring. Certifying Engineer of Record- Daniel P. Noll, P.E.
LaBella Environmental, LLC (wholly owned subsidiary of LaBella Associates, DPC)	Contractor responsible for Geoprobe and ISCO injection work.
Paragon Environmental Construction, Inc.	Waste (oil drum) transportation
Industrial Oil Tank Services, Crosby Hill Auto Recycling	AST scrap disposal, oil disposal
ESC Lab Sciences/Pace Analytical, Alpha Analytical	Provided laboratory testing of soil and groundwater samples.

#### **4.2.2 Site Preparation**

The NYSDEC approved the RAWP on April 2, 2019. A copy of the approval letter is attached in Appendix D.

On December 19, 2018 an Inventory of Injection Wells (EPA Form 7520-16) was submitted to the USEPA detailing the ISCO injection. The inventory form and USEPA response letter are attached in Appendix D.

Prior to mobilizing to the site a utility stakeout was requested via Dig Safely NY/811 (Ticket #01089-542-038, January 8, 2019). All utilities either marked their facilities or responded that the work area was clear of their facilities.

**Table 4.2.2 – Time Frames of Remedial Work**

Item	General Time Frame of Remedial Work
ISCO Injection	First Injection – January 2019 Second Injection – October 2019
Injection Well Installation	January 2019
Cover Installations	June-July 2020

Documentation of agency approvals required by the RAWP is included in Appendix D. Other non-agency permits relating to the remediation project are provided in Appendix D.

#### **4.2.3 General Site Controls**

Site records including soil screening results, chain of custodies, etc. were kept with LaBella personnel and stored at the LaBella office for the duration of the project.

Erosion control and storm water protection achieved through the use silt fencing installed by Canalview Development, LLC.

Groundwater removed as part of well development or purging was containerized prior to disposal.

Decontamination of injection batch tanks, pumps and hoses was achieved by flushing with water and pumping into the injection points.

Significant problems were not encountered during the remedial work.

#### **4.2.4 Nuisance controls**

No nuisance complaints were received during the project.

#### **4.2.5 CAMP results**

During the implementation of remedial actions VOC action levels were not exceeded (for either the nearest potential receptor or downwind VOC monitoring) and particulate concentrations did not exceed the action level of 150 µg/m<sup>3</sup> above background levels at the Site borders. Copies of all field data sheets relating to the CAMP are provided in electronic format in Appendix F.

### **4.3 CONTAMINATED MATERIALS REMOVAL**

#### **4.3.1 Aboveground Storage Tank**

During movement of fill material and soil from the footprint of the former Site building (see Section 4.3.2 below) an approximately 100 gallon aboveground storage tank (AST) was encountered in the fill material. The AST contained approximately 25 gallons of apparent petroleum. The tank contents were pumped to a 55 gallon drum pending characterization and disposal. The tank was then removed and placed on/covered with polyethylene sheeting pending decommissioning. Evidence of impairment was not observed proximate the AST.

No evidence of impairment, including elevated PID readings, staining or odors, was observed from soil and fill material during movement of the material. Observations of the concrete slab subsequent to material movement did not reveal obvious staining or drain or sump locations.

The location of the AST is detailed on Figure 3.

##### **4.3.1.1 Disposal Details**

One (1) drum of waste oil was transported by Paragon Environmental Construction, Inc. to Industrial Oil Tank Services, Inc. of Oriskany, NY for disposal on September 15, 2014. The receiving facility did not require waste characterization analysis. The tank was cleaned and disposed as scrap steel on August 20, 2015. Copies of waste disposal documentation and the scrap receipt are attached in Appendix G.

#### 4.3.2 On-Site Reuse

From August 19 to 21, 2014 a total of approximately 1,800 cubic yards of soil and fill material from the footprint of the former Breneman building were excavated and used on-site as fill material south of the former building. Samples collected during the remedial investigation from test pits advanced through the fill material contained concentrations of SVOCs and metals above NYSDEC Part 375-6.8(a) Restricted Commercial Use Soil Cleanup Objectives (SCOs). VOCs were not detected in the fill material.

The location of the soil/fill placement is depicted on Figure 3.

#### 4.4 IN SITU CHEMICAL OXIDATION

PeroxyChem Kloxur® CR was selected as an oxidant to chemically oxidize contaminants of concern and enhance degradation. Kloxur® CR is a high pH activated persulfate product which destroys contaminants through chemical oxidation and includes a time-release calcium peroxide compound to release oxygen over time to facilitate microbial degradation of residual petroleum compounds.

Based on available Site data the manufacturer recommended that a total of 6,500 lbs of Kloxur® CR be mixed into a slurry and injected at the Site. Based on Site soil conditions a total of approximately 16 injection points were placed at a spacing of approximately 10 ft. An approximately 20 % (by volume) slurry was injected at each location.

The initial injections were performed in January 2019. A total of 3,645 pounds of Kloxur® CR was injected during January. When the formation was saturated and no longer accepting the oxidant slurry injections were suspended. Injection wells were installed to facilitate future injections in accordance with the approved RAWP. On October 29<sup>th</sup> through 31<sup>st</sup>, 2019 the remaining 2,855 pounds of Kloxur® CR was injected.

ISCO injection locations are depicted on Figure 4.

## **4.5 REMEDIAL PERFORMANCE/DOCUMENTATION SAMPLING**

On February 20, 2019 a direct push soil sampling program was implemented to evaluate the effectiveness of the injection program after the first round of injection. Six (6) soil borings were advanced. At each boring location, overburden soils were collected using Macrocore samplers from the ground surface to equipment refusal (i.e., assumed bedrock). Soil was screened in the field for visible impairment, olfactory indications of impairment, evidence of NAPLs, and/or indication of detectable VOCs with a PID collectively referred to as “evidence of impairment.” Soil samples were collected from each boring and submitted to a laboratory for analysis of Target Compound List (TCL) VOCs and SVOCs. Laboratory reports indicated that in general contaminant concentrations were lower than previous sampling in the injection area by an order of magnitude.

Boring logs from the post injection soil borings are included in Appendix H. Well construction logs for injection wells installed in conjunction with the post-injection soil borings are included in Appendix I. Post injection soil sample locations are depicted on Figure 5 and summarized in Tables 4.4A and 4.4B in Appendix J.

Data Usability Summary Reports (DUSRs) were prepared for all data generated in this remedial performance evaluation program. These DUSRs are included in Appendix K, and associated raw data is provided electronically in Appendix L.

## **4.6 CONTAMINATION REMAINING AT THE SITE**

Remaining contamination at the Site is described below and refers to soil impacts above Unrestricted Use SCOs and groundwater impacts above Part 703 Groundwater Standards or NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 values.

### **4.6.1 Soil**

Surface soil contaminated with metals, SVOCs, and PCBs above Unrestricted Use and Restricted Residential Use SCOs are present as indicated on Figure 6. Surface soil contaminated with pesticides above Unrestricted Use SCOs are present as well.



Fill material contaminated with metals, SVOCs and PCBs above Unrestricted Use SCOs was located in the footprint of the former Site building. This material has since been relocated and buried on the southern portion of the Site as indicated on Figures 3.

Subsurface soil contaminated with VOCs, SVOCs, metals, PCBs, pesticides and total cyanide above Unrestricted Use SCOs are located in the southwestern portion of the Site at the base of the hill as indicated on Figure 5. VOCs, SVOCs, metals and PCBs are present above Restricted Residential SCOs.

It should be noted that as stated in Section 4.3 above, additional oxidant injection was performed subsequent to the soil sampling event performed after the initial round of injection. Further, the Kloxur CR® oxidant includes a calcium peroxide compound that slowly releases oxygen over time to stimulate natural degradation of petroleum compounds. The remaining soil contamination is anticipated to be reduced over time as a result of the remedy.

Tables 4.6.1A through 4.6.1E in Appendix H and Figure 6 summarize the results of all soil samples remaining at the site after completion of Remedial Action that exceed the Track 1 (unrestricted) SCOs.

#### 4.6.2 Groundwater

Groundwater contaminated with VOCs above Part 703 Groundwater Standards or NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 values is present on the western portion of the Site. Groundwater contaminated with metals above Part 703 Groundwater Standards or NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 values is present Site wide. Groundwater contaminated with Perfluorooctanesulfonic Acid (PFOS) above the NYSDEC guideline of 10 ng/L is present in the western portion of the Site.

It should be noted that as the Kloxur CR® oxidant includes a calcium peroxide compound that slowly releases oxygen over time to stimulate natural degradation of petroleum compounds. The remaining groundwater contamination is anticipated to be reduced over time as a result of the remedy.

Tables 4.6.2A through 4.6.2D and Figure 7 summarize the results of all samples of groundwater that exceed the SCGs after completion of the remedial action.

Since contaminated soil and groundwater remains beneath the site after completion of the Remedial Action, Institutional and Engineering Controls are required to protect human health and the environment. These Engineering and Institutional Controls (ECs/ICs) are described in the following sections. Long-term management of these EC/ICs and residual contamination will be performed under the Site Management Plan (SMP) approved by the NYSDEC.

#### **4.7 SOIL COVER SYSTEM**

Exposure to remaining contamination in soil/fill at the site is prevented by a soil cover system placed over the site. Based on the results of the soil sampling performed in November 2018, the top one foot of soil over portions of the commercial use area meet NYSDEC Part 375 Commercial Use SCOs and as such contained an acceptable covert prior to remediation. Sample locations are depicted on Figure 8A. Prior to construction of the Commercial Use cover system surface and shallow soil samples were collected to define the required limit of the cover. The cover system was constructed in June and July 2020 over the remainder of the commercial use area. The cover consisted of one foot of crushed gravel placed over a demarcation layer consisting of geogrid (on sloped areas) and filter fabric. A total of 727.16 tons (approximately 485 cubic yards) of crushed gravel were imported to the Site and incorporated into the cover system in the commercial use area.

The cover system in the restricted residential use area was constructed in June and July 2020 and consists of approximately 15,200 square feet of intact concrete slab associated with historical Site buildings and clean imported material. Soil located on the concrete slab was removed and placed under the cover system south of the slab covered portion. The portions of the restricted residential use area not covered with intact concrete slabs were covered with two feet of crushed gravel placed over a demarcation area consisting of geogrid (on sloped areas) and filter fabric. Portions of the concrete slab that were not intact were covered with two feet of crushed gravel. A total of 2,547.25 tons (approximately 1,700 cubic yards) of crushed gravel were imported to the Site and incorporated into the cover system in the restricted residential use area.

The cover material consists of crushed gravel meeting the sampling exemption of DER-10 Section 5.4(e)(5) (i.e., virgin material from a permitted mine with less than 10% by weight of material passing through a size 80 sieve). Figure 8 presents the location of the cover system and applicable demarcation layers.

An Excavation Work Plan, which outlines the procedures required in the event the cover system and/or underlying residual contamination are disturbed, is provided in Appendix 5 of the SMP.

Surface and shallow soil sampling conducted to determine the extent of required cover in the Commercial Use area is summarized in Tables 4.7A through 4.7E in Appendix J.

Material testing documenting that the imported material used to construct the cover system meets the DER-10 sampling exemption is included in Appendix M.

## **4.8 OTHER ENGINEERING CONTROLS**

Since remaining contaminated soil and groundwater exists beneath the site, Engineering Controls (EC) are required to protect human health and the environment. The site has the following primary Engineering Controls, as described in the following subsections.

### **4.8.1 Injection Wells**

A total of 6 injection wells were installed to facilitate additional ISCO injections if deemed warranted. The injection wells are constructed of one-inch Sch 40 PVC with 0.020-inch machine slotted screens. The need for additional injections will be determined based on the results of periodic groundwater monitoring and in consultation with NYSDEC and NYSDOH.

Should additional injections be required, procedures for ISCO injection are included in Appendix 9 of the SMP. Injection well locations are depicted on Figure 4.

Procedures for monitoring, operating and maintaining the injection wells are provided in the Operation and Maintenance Plan in Section 5 of the Site Management Plan (SMP). The Monitoring Plan also addresses inspection procedures that must occur after any severe weather condition has taken place that may affect on-site ECs.

## **4.9 INSTITUTIONAL CONTROLS**

The site remedy requires that an environmental easement be placed on the property to (1) implement, maintain and monitor the Engineering Controls; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the site to restricted residential use over a portion of the site and commercial use over a portion of the site (refer to Figure 9);

The environmental easement for the site was executed by the Department on September 17, 2019, and filed with the Oswego County Clerk on October 2, 2019. The County Recording Identifier number for this filing is R-2019-008760. A copy of the easement and proof of filing is provided in Appendix N.

## **4.10 DEVIATIONS FROM THE REMEDIAL ACTION WORK PLAN**

Remedial injections were completed in two events rather than one. Given weather conditions during the initial injection event in January 2019 significant slowdowns were experienced due to freezing water lines and air lines for the compressor driven diaphragm pump used to inject the oxidant slurry. To alleviate these conditions the compressor was placed in an enclosed trailer with a heater and the water supply used for mixing the oxidant slurry was switched from water pumped from the Oswego Canal to hot potable water obtained from a nearby hotel kitchen (owned as a separate business by the members of Canalview Development, LLC). Injections were suspended during the January 2019 injection event when the formation was saturated and no longer accepting the oxidant slurry.

During post-injection soil sampling performed in February 2020 injection wells were installed. The remainder of the oxidant was injected into these wells in October 2019.

There were no other significant deviations from the approved RAWP.

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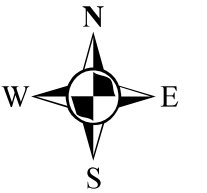
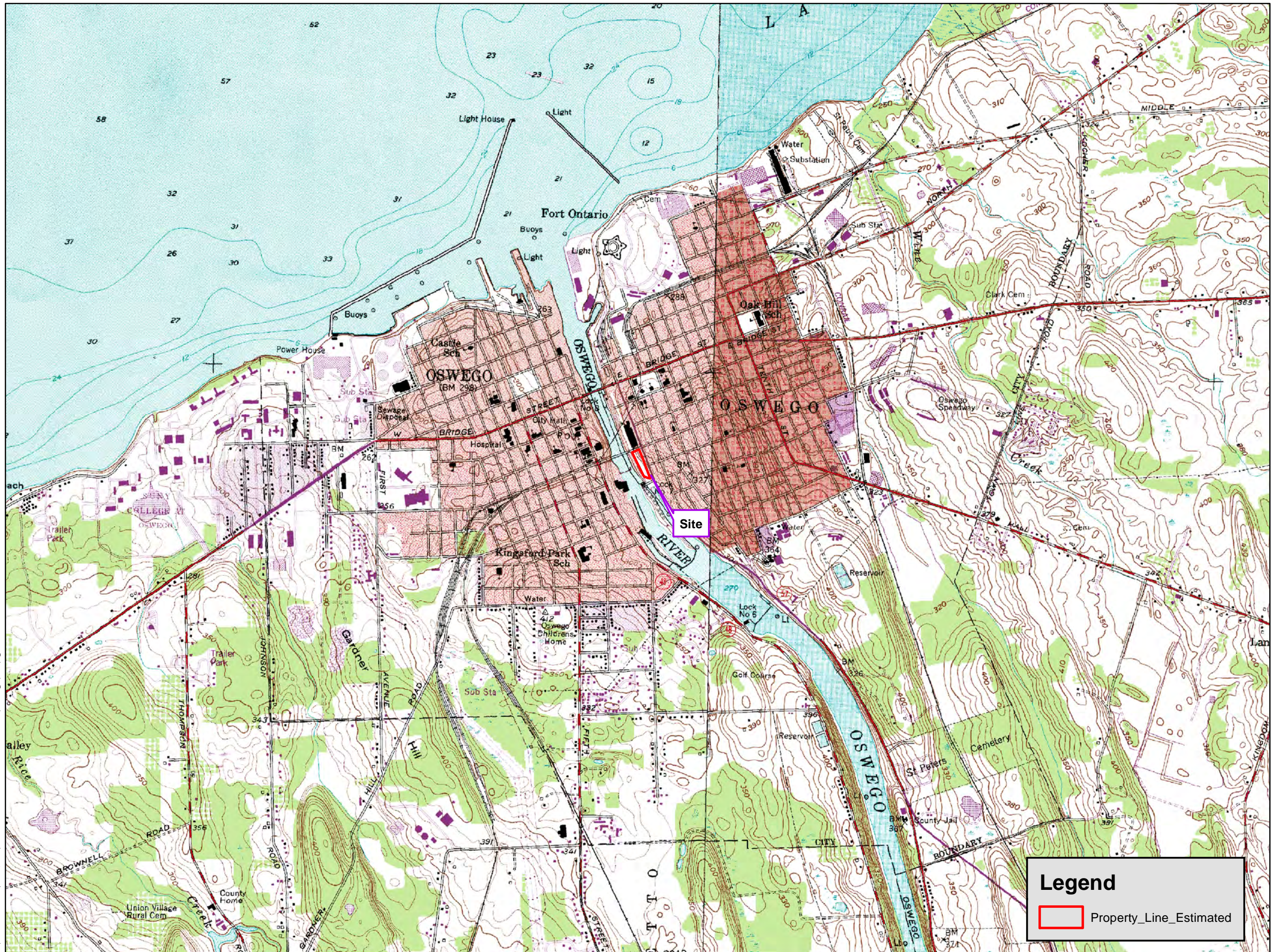
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## FIGURES



I:\Canalview Development, LLC\2190490 - 8 E Utica St - Remedial Actions\Drawings\FER\Fig1.mxd



1 inch = 2,000 feet  
INTENDED TO PRINT AS: 11" X 17"

CLIENT:

CANALVIEW  
DEVELOPMENT, LLC

PROJECT:

FINAL ENGINEERING REPORT

FORMER BRENNEMAN SITE  
8 EAST UTICA STREET  
OSWEGO, NEW YORK

DRAWING NAME:

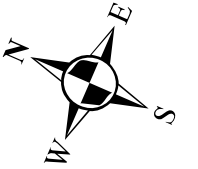
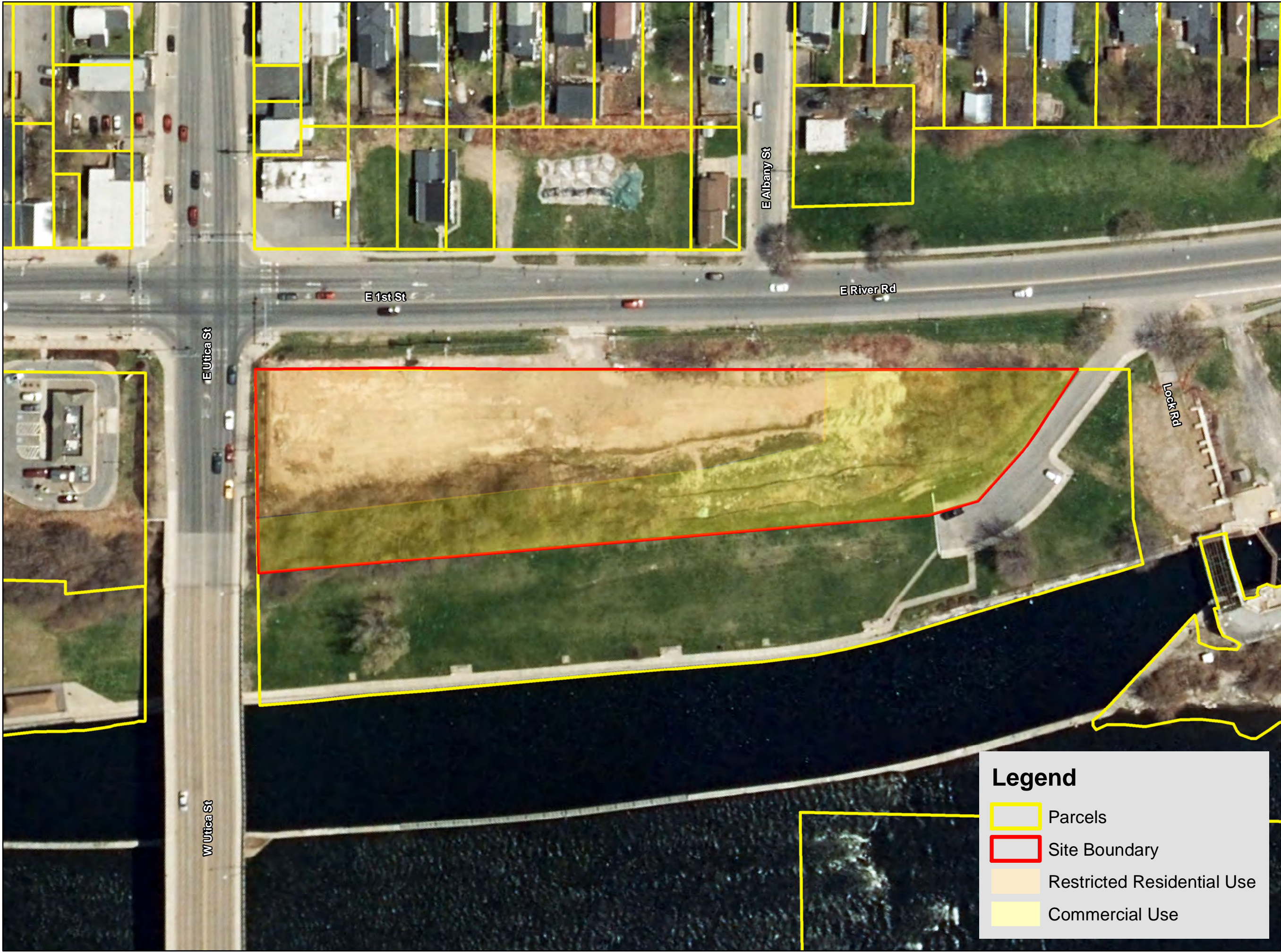
SITE LOCATION MAP

PROJECT #/DRAWING #/ DATE

2190490  
FIGURE 1



I:\Canalview Development, LLC\2190490 - 8 E Utica St - Remedial Actions\Drawings\FER\Fig2.mxd



1 inch = 75 feet  
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**CANALVIEW  
DEVELOPMENT, LLC**

PROJECT:  
**FINAL ENGINEERING REPORT**  
**FORMER BRENEMAN SITE**  
**8 EAST UTICA STREET**  
**OSWEGO, NEW YORK**

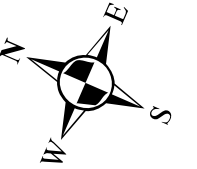
DRAWING NAME:  
**SITE LAYOUT MAP**

PROJECT #/DRAWING #/ DATE

2190490
FIGURE 2



I:\Canalview Development, LLC\2190490 - 8 E Utica St - Remedial Actions\Drawings\FER\Fig 3.mxd



1 inch = 50 feet  
INTENDED TO PRINT AS: 11" X 17"

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**CANALVIEW  
DEVELOPMENT, LLC**

PROJECT:  
**FINAL ENGINEERING REPORT  
FORMER BRENNEMAN SITE  
8 EAST UTICA STREET  
OSWEGO, NEW YORK**

DRAWING NAME:  
**SOIL/FILL MOVEMENT**

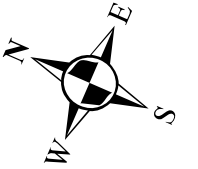
PROJECT #/DRAWING #/ DATE

**2190490**

**FIGURE 3**



I:\Canalview Development, LLC\2190490 - 8 E Utica St - Remedial Actions\Drawings\FER\Fig4.mxd



1 inch = 50 feet  
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CLIENT:

CANALVIEW  
DEVELOPMENT, LLC

PROJECT:

FINAL ENGINEERING REPORT

FORMER BRENEMAN SITE  
8 EAST UTICA STREET  
OSWEGO, NEW YORK

DRAWING NAME:

ISCO Injection Locations

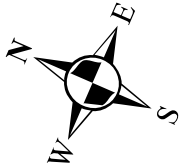
PROJECT #/DRAWING #/ DATE

2190490

FIGURE 4



I:\Canalview Development, LLC\2190490 - 8 E Utica St - Remedial Actions\Drawings\FER\Fig5.mxd



1 inch = 50 feet  
INTENDED TO PRINT AS: 11" X 17"

CLIENT:  
**CANALVIEW DEVELOPMENT, LLC**

PROJECT:  
**FINAL ENGINEERING REPORT**  
**FORMER BRENEMAN SITE**  
**8 EAST UTICA STREET**  
**OSWEGO, NEW YORK**

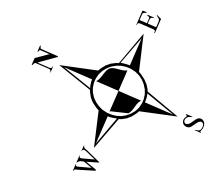
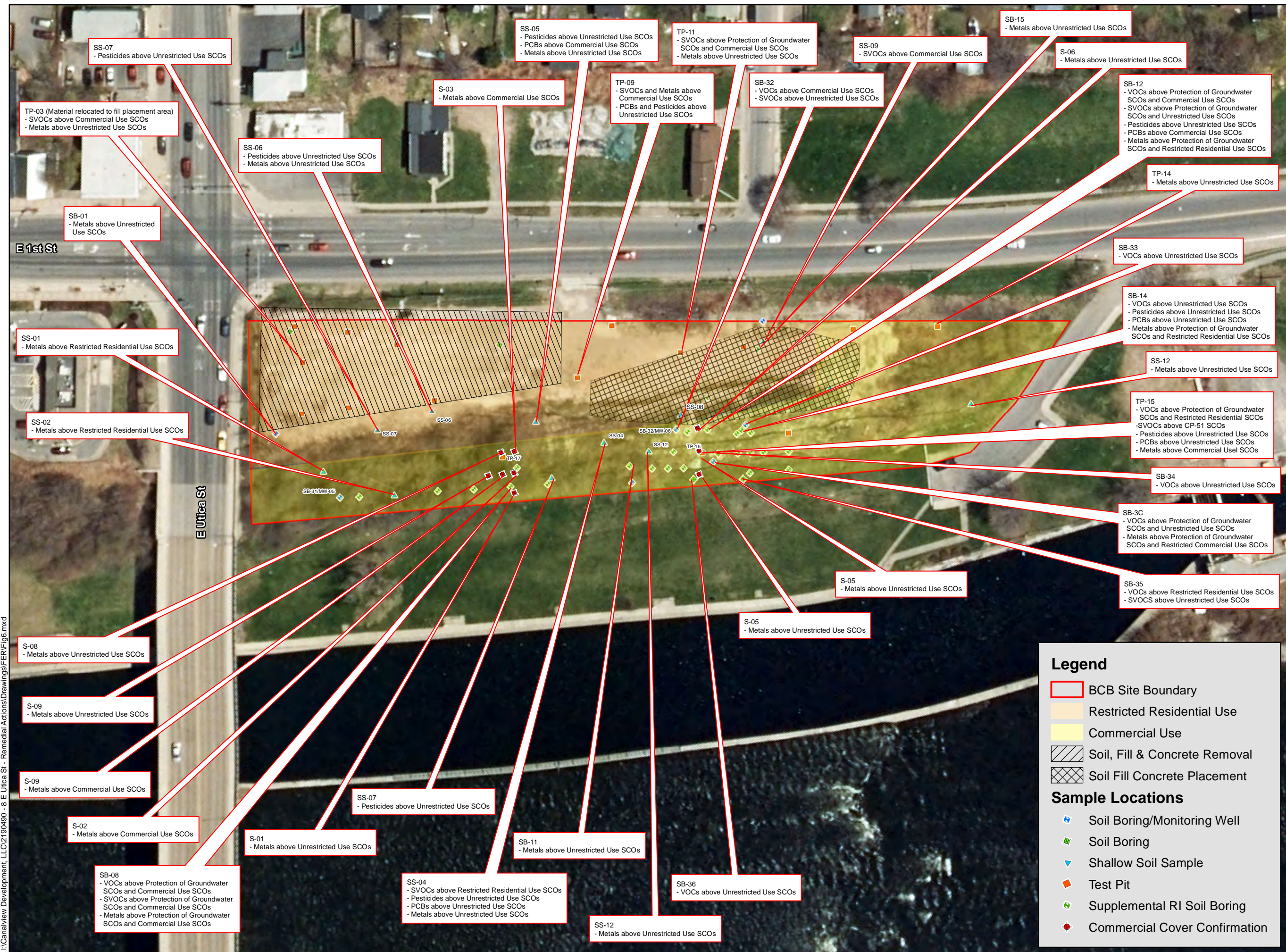
DRAWING NAME:  
**Post-Injection Soil Boring Locations**

PROJECT #/DRAWING #/ DATE

2190490  
FIGURE 5



I:\Canalview Development, LLC\2190490 - 8 E Utica St - Remedial Actions\Drawings\FER\Fig6.mxd



1 inch = 75 feet  
INTENDED TO PRINT AS: 11" X 17"

CLIENT:  
**CANALVIEW DEVELOPMENT, LLC**

PROJECT:  
**FINAL ENGINEERING REPORT**  
**FORMER BRENEMAN SITE**  
**8 EAST UTICA STREET**  
**OSWEGO, NEW YORK**

DRAWING NAME:  
**SOIL SAMPLES**  
**EXCEEDING PART 375**  
**UNRESTRICTED USE SCOS**

PROJECT #/DRAWING #/ DATE  
[ 2190490 ]  
[ FIGURE 6 ]

**Legend**

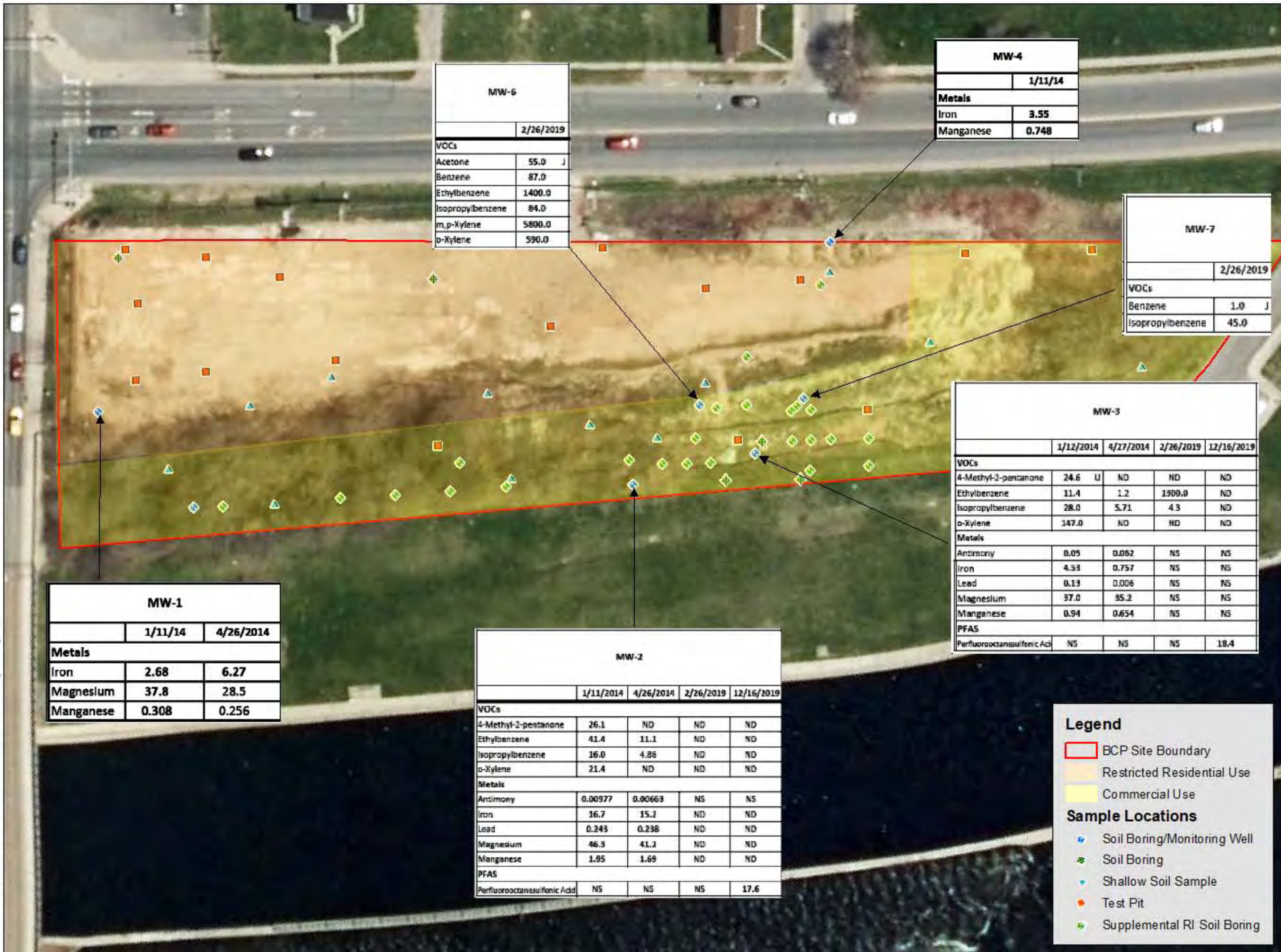
- BCB Site Boundary
- Restricted Residential Use
- Commercial Use
- Soil, Fill & Concrete Removal
- Soil Fill Concrete Placement

**Sample Locations**

- Soil Boring/Monitoring Well
- Soil Boring
- Shallow Soil Sample
- Test Pit
- Supplemental RI Soil Boring
- Commercial Cover Confirmation



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1 inch = 50 feet  
INTENDED TO PRINT AS: 11" X 17"

CLIENT:

CANALVIEW  
DEVELOPMENT, LLC

PROJECT:

FINAL ENGINEERING REPORT

FORMER BRENNEMAN SITE  
8 EAST UTICA STREET  
OSWEGO, NEW YORK

DRAWING NAME:

GROUNDWATER SAMPLES  
EXCEEDING SCGs

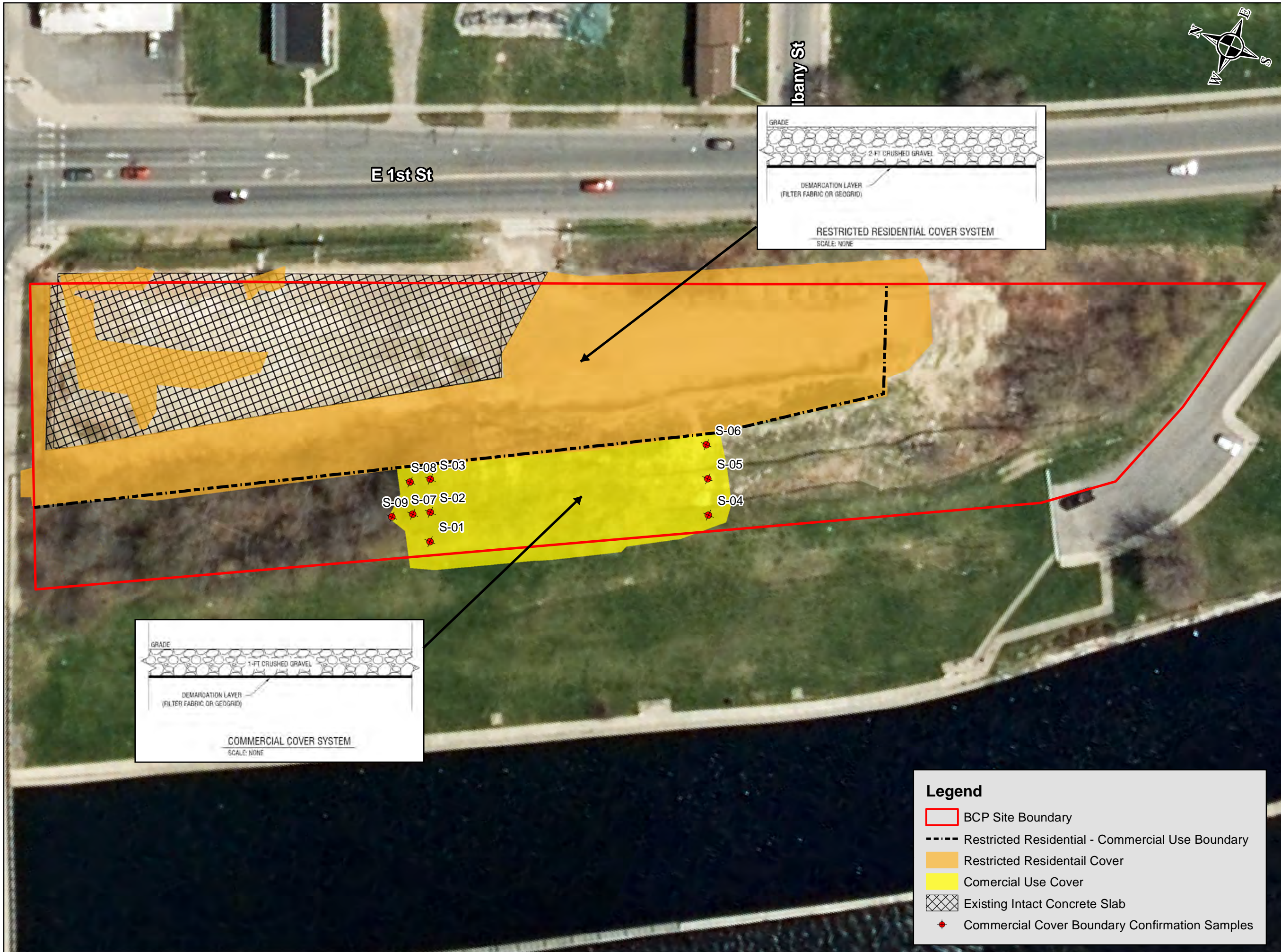
PROJECT #/DRAWING #/ DATE

2190490

FIGURE 7



I:\Canalview Development, LLC\2190490 - 8 E Utica St - Remedial Actions\Drawings\FER\Fig8.mxd



It is a violation of New York Education Law Article 145 Sec. 7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

1 inch = 50 feet  
INTENDED TO PRINT AS: 11" X 17"

CLIENT:  
CANALVIEW  
DEVELOPMENT, LLC

PROJECT:

**FINAL ENGINEERING REPORT**

**FORMER BRENEMAN SITE  
8 EAST UTICA STREET  
OSWEGO, NEW YORK**

DRAWING NAME:

**As-Built Cover Systems**

PROJECT #/DRAWING #/ DATE

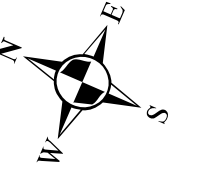
2190490

FIGURE 8





I:\Canalview Development, LLC\2190490 - 8 E Utica St - Remedial Actions\Drawings\FER\Fig8A.mxd



1 inch = 50 feet  
INTENDED TO PRINT AS: 11" X 17"

CLIENT:

CANALVIEW  
DEVELOPMENT, LLC

PROJECT:

FINAL ENGINEERING REPORT

FORMER BRENEMAN SITE  
8 EAST UTICA STREET  
OSWEGO, NEW YORK

DRAWING NAME:

COMMERCIAL USE AREA  
COVER SAMPLE LOCATIONS

PROJECT #/DRAWING #/ DATE

2190490

FIGURE 8A

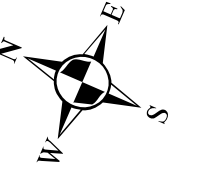
**Legend**

- BCP Boundary
- Restricted Residential - Commercial Use Boundary
- Discrete VOC Sample, 2-6"
- Subsample Locations for Composite Samples





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1 inch = 50 feet  
INTENDED TO PRINT AS: 11" X 17"

CLIENT:  
**CANALVIEW  
DEVELOPMENT, LLC**

PROJECT:  
**FINAL ENGINEERING REPORT  
FORMER BRENNEMAN SITE  
8 EAST UTICA STREET  
OSWEGO, NEW YORK**

DRAWING NAME:  
**INSTITUTIONAL CONTROL  
BOUNDARIES**

PROJECT #/DRAWING #/ DATE

2190490  
FIGURE 9



## **APPENDIX A**

### **SURVEY MAP, METES AND BOUNDS**



EAST UTICA STREET

NEW YORK STATE ROUTE 481

NEW YORK STATE BARGE CANAL



- LEGEND**
- MONITORING WELL
  - UTILITY POLE
  - WATER VALVE
  - HYDRANT
  - CATCH BASIN
  - STORM MANHOLE
  - SANITARY MANHOLE
  - GAS VALVE
  - COMMUNICATIONS MANHOLE
  - WATER MANHOLE

**DESCRIPTIONS**

- Entire Parcel, Environmental Easement:**  
Parcel of Land located at 8 East Utica Street  
City of Oswego, New York  
Beginning at a point located at the intersection of the west street line of East First Street and the south street line of East Utica Street, and running:  
Thence, S 22° 15' 33" E (Measured) S 22° 06' 12" E (Record), 682.46'; along the west line of said City of Oswego, to a point located in the Oswego County Clerk's Office in liber 1144 of deeds at page 241;  
Thence, N 75° 04' 13" W (Measured) N 74° 54' 52" W (Record), 105.53'; along the north line of said City of Oswego, to a point of curvature;  
Thence, northerly, along the east line of said City of Oswego, following a curve to the right, with a radius of 100.00', an arc length of 83.09', to a point of tangency;  
Thence, N 27° 27' 48" W (Measured) N 27° 18' 27" W (Record), 173.13'; along the east line of said City of Oswego, to a point located in the south street line of East Utica Street;  
Thence, N 67° 44' 27" E (Measured) N 67° 53' 48" E (Record), 122.44'; along the south street line of East Utica Street, to the Point and Place of Beginning.  
Containing 1.046 Acres.
- Restricted Residential:**  
Parcel of Land located at 8 East Utica Street  
City of Oswego, New York  
Beginning at a point located at the intersection of the west street line of East First Street and the south street line of East Utica Street, and running:  
Thence, S 22° 15' 33" E (Measured) S 22° 06' 12" E (Record), 471.56'; along the west line of said City of Oswego, to a point;  
Thence, S 67° 44' 27" W, 60.66'; to a point;  
Thence, N 34° 53' 21" W, 135.68', to a point;  
Thence, N 27° 40' 05" W, 340.68', to a point located in the south street line of East Utica Street;  
Thence, N 67° 44' 27" E (Measured) N 67° 53' 48" E (Record), 122.44'; along the south street line of East Utica Street, to the Point and Place of Beginning.  
Containing 1.046 Acres.
- Commercial:**  
Parcel of Land located at 8 East Utica Street  
City of Oswego, New York  
Beginning at a point located in the west street line of East First Street, said point being southerly, 471.56', along the west street line of East First Street, from the south street line of East Utica Street, and running:  
Thence, S 22° 15' 33" E (Measured) S 22° 06' 12" E (Record), 210.90'; along the west line of said City of Oswego, to a point located in the Oswego County Clerk's Office in liber 1144 of deeds at page 241;  
Thence, N 75° 04' 13" W (Measured) N 74° 54' 52" W (Record), 105.53'; along the north line of said City of Oswego, to a point of curvature;  
Thence, northerly, along the east line of said City of Oswego, following a curve to the right, with a radius of 100.00', an arc length of 83.09', to a point of tangency;  
Thence, N 27° 27' 48" W (Measured) N 27° 18' 27" W (Record), 550.35'; along the east line of said City of Oswego, to a point located in the south street line of East Utica Street;  
Thence, N 67° 44' 27" E (Measured) N 67° 53' 48" E (Record), 50.69', along the south street line of East Utica Street, to a point;  
Thence, S 34° 53' 21" E, 135.68', to a point;  
Thence, N 67° 44' 27" E, 60.66', the Point and Place of Beginning.  
Containing 1.046 Acres.

**GENERAL NOTES**

- BOUNDARY SURVEY COMPLETED WITHOUT BENEFIT OF ABSTRACT OF TITLE.
- UNDERGROUND ELECTRIC, COMMUNICATIONS AND GAS ARE SHOWN AS MARKED OUT BY OTHERS. THE UNDERSIGNED DOES NOT CERTIFY TO THESE LOCATIONS. PIPES LABELED "CWM" ARE PIPES THAT COULD NOT BE RELIABLY MEASURED DUE TO THEIR ORIENTATION WITHIN THE STRUCTURE. NO CONFINED SPACE ENTRY WAS PERMITTED FOR THIS PROJECT.
- GRID NORTH ESTABLISHED FROM THE NEW YORK STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD-83.
- VERTICAL DATUM: NAVD-88. CONTOUR INTERVAL = 1'.
- RECEIVED AND REVISED MARCH 17, 2019, TO SHOW CURRENT TITLE AND CHANGES TO TOPOGRAPHY SINCE JANUARY 7, 2011.
- RECEIVED AND REVISED FEBRUARY 9, 2019, TO SHOW THE DIVISION OF RESTRICTED RESIDENTIAL AND COMMERCIAL AREAS.
- TOTAL AREA OF ENVIRONMENTAL EASEMENT: 2.104 ACRES.

THE UNDERSIGNED SURVEYOR HEREBY CERTIFIES THAT THIS SURVEY WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE EASEMENT ACT AND THE EASEMENT ACT, AND THAT THE SURVEY WAS COMPLETED JANUARY 7, 2011.

*John S. Damiano*  
JOHN S. DAMIANO  
LS 000003

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A SURVEY OR MAP ARE PROHIBITED. VIOLATION OF SECTION 2008, SUBSECTION 2 OF THE NEW YORK STATE EDUCATION LAW.

This property is subject to an environmental easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the New York Environmental Conservation Law. The engineering and institutional controls for this Easement Plan set forth in more detail in the Site Management Plan (SMP). A copy of the SMP must be obtained by any party with an interest in the property. The SMP can be obtained from the NYS Department of Environmental Conservation, Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, NY 12233 or at [derweb@dec.ny.gov](mailto:derweb@dec.ny.gov).

BOUNDARY and TOPOGRAPHIC MAP OF:  
LANDS LOCATED AT 220 EAST FIRST STREET  
A.K.A. 8 EAST UTICA STREET  
CITY OF OSWEGO  
OSWEGO COUNTY, NEW YORK

AUGUST 8, 2019

SCALE: 1" = 30'



SHEET NUMBER:

COSP 2014013-R5

ADVANCED  
INFORMATION  
SYSTEMS

JOHN S. DAMIANO  
LICENSED LAND SURVEYOR  
OSWEGO, NY 13126  
275 COUNTY ROUTE 20  
(315) 345-9252 (Email) [jd@adinfo.com](mailto:jd@adinfo.com)

REVISIONS

No. DATE DESCRIPTION



## **APPENDIX B**

### **DIGITAL COPY OF THE FER (CD)**

## **APPENDIX C**

### **TOPSOIL RELOCATION REPORT**

# Topsoil Relocation Report NYSDEC BCP Site No. C738046

Location:

Former Breneman Site  
8 East Utica Street  
Oswego, New York

Prepared for:

Canalview Development, LLC  
70 East First Street  
Oswego, New York 13126

LaBella Project No. 214001

August 2016

# Topsoil Relocation Report

## NYSDEC BCP Site No. C738046

Location:

Former Breneman Site  
8 East Utica Street  
Oswego, New York

Prepared for:

Canalview Development, LLC  
70 East First Street  
Oswego, New York 13126

LaBella Project No. 214001

August 2016

LaBella Associates, D.P.C.  
300 State Street  
Rochester, New York 14614



## Certification

I, Daniel P. Noll, P.E., certify that I am currently a NYS registered professional engineer as defined in 6 NYCRR Part 375 and that the topsoil originating from the Former Breneman Site, NYSDEC BCP Site #C738046, was delivered to the reuse site as detailed in this report and in accordance with the NYSDEC approved Topsoil Relocation Work Plan, as amended.

DANIEL P. NOLL

Printed Name

8/12/16

Date

D. P. NOLL

Signature



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2.2	Topsoil From Breneman Site .....	1
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2.3	Topsoil Relocation Work Plan .....	2
3.0	SOIL RELOCATION .....	2
3.1	Community Air Monitoring .....	3
3.2	Soil Loading .....	3
3.3	Relocation Sites .....	3

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## 1.0 INTRODUCTION

---

This Topsoil Relocation Report has been prepared by LaBella Associates, D.P.C. (LaBella) on behalf of Canalview Development, LLC as part of its participation in the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP). This report summarizes the relocation of topsoil originating at the property known as the Former Breneman Site and located at 8 East Utica Street in the City of Oswego, Oswego County, New York and defined in the BCP Application (as amended) as the “Breneman Site.” A map depicting the location of the Breneman Site is included as Figure 1.

## 2.0 BACKGROUND

---

### 2.1 Site Description

The Breneman Site consists of approximately 2.1044 acres. The Breneman Site and a property adjacent to the west were historically used for manufacturing purposes beginning in 1834 and have been vacant since 1998. A detailed description of the Site history and previous investigations can be found in the June 2013 Remedial Investigation Work Plan (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. Further information relative to investigation activities at the Breneman Site can be found in the Remedial Investigation Report (December 2015) and Remedial Alternatives Analysis & Remedial Action Work Plan (February 2014).

### 2.2 Topsoil From Breneman Site

In August 2014 approximately 200 cubic yards of topsoil was removed from the Breneman Site and relocated to property located to the east of the Breneman Site, across East First Street and addressed 215-221 East First Street. The topsoil was placed on and covered with polyethylene sheeting.

#### 2.2.1 Topsoil Characterization

Subsequent to staging, the topsoil was sampled to support decisions relative to reuse options. Three (3) grab samples were collected for USEPA TCL and NYSDEC CP-51 list VOCs by USEPA Method 8260 and one (1) composite sample was collected for TCL and CP-51 list SVOCs, PCBs, pesticides, and TAL Metals. VOCs, PCBs and pesticides were not detected in the laboratory analysis. Several metals and SVOCs were detected in the analysis, however all concentrations were below 6 NYCRR Part 675-6.8(a) unrestricted use soil cleanup objectives (SCOs).

Citing the potential for the composite sample to mask areas of higher concentration, the NYSDEC required collection of discrete samples SVOCs, pesticides, PCBs, metals (including mercury) and total cyanide. On June 2nd, 2016 three (3) discrete samples were collected from the staged topsoil pile and submitted to ESC Lab Sciences, Inc. for analysis. Pesticides and PCBs were not detected in the analysis. Several SVOCs and metals were detected in the analysis, however all concentrations were below 6 NYCRR Part 675-6.8(a) unrestricted use soil cleanup objectives with the exception of sample SC-03. This sample contained lead at a concentration of 64.5 mg/Kg, slightly exceeding the unrestricted use SCO for lead of 63 mg/Kg.

Concentrations of metals and SVOCs detected in laboratory analysis are summarized in Tables 1 and 2.

### **2.3 Topsoil Relocation Work Plan**

In June 2016 a Topsoil Relocation Work Plan was submitted to the NYSDEC. The work plan detailed the soil characterization data and provided information on the proposed relocation site. The NYSDEC approved the work plan in an email dated June 24<sup>th</sup>, 2016 with the following modifications:

- Soil must be screened by a qualified environmental professional, as defined in 6 NYCRR Part 375, as it is excavated. All soil must be screened visually, and for odors, and with a properly calibrated photoionization detector (PID). Any portion of the staged material which contains debris, or is stained, or generates odors, or generates a response on the PID, or which may not have been adequately characterized by available analytical data (e.g., soil of a different nature than the bulk of the stockpile, etc.), or otherwise is unacceptable for reuse based on screening, may not be reused off-site. Soil which is found to be unacceptable for off-site reuse must be segregated and stockpiled on the Brownfield Cleanup Program on and under plastic for further evaluation.
- The generic Community Air Monitoring Plan which is attached must be implemented.
- All work must be conducted in accordance with a health and safety plan which complies with all regulatory requirements.
- Soil must not be tracked by vehicles onto the roads.
- All soil must remain within the vehicle during transport.
- Loads must be covered prior to a vehicle leaving the site.
- Trucks must not queue on the street.
- All transport of materials must be performed by licensed haulers in accordance with appropriate local, State, and Federal regulations.
- The Department must be notified at least seven days in advance of field activities.
- The area under the stockpile must be stabilized (e.g., seeded, etc.) following excavation.
- Canalview Development, LLC and/or its contractors must obtain and comply with any necessary State, local or federal permits.
- A report must be submitted within 45 days of completion of field activities documenting the work was completed in accordance with the work plan and these modifications, including a certification that the soil was delivered to the proposed reuse location. The certification must be stamped by a professional engineer.

## **3.0 SOIL RELOCATION**

Topsoil staged across the street from the Breneman Site was relocated on July 7, 2016 under the supervision of a LaBella Environmental Geologist and NYSDEC Region 7 personnel. All work was performed in accordance with the NYSDEC approved work plan except as noted (relocation sites).

### **3.1 Community Air Monitoring**

Prior to trucks leaving the site particulate monitors were placed on the west-central, northeast and southeast portions of the work area. In addition, a hand-held photoionization detector (PID) was utilized to monitor volatile organic compounds (VOCs) in air. Particulate levels were not detected above threshold values detailed in the New York State Department of Health (NYSDOH) Generic Community Air Monitoring Plan. Further, elevated PID readings were not observed during soil loading operations.

Particulate meter data logs are attached in Appendix 1.

### **3.2 Soil Loading**

Topsoil was loaded into dump trucks for transportation to the relocation sites. During loading the soil was screened with a PID. Elevated PID readings were not observed from the soil. Due to observations of visible dust during loading a water mist was employed to minimize fugitive dust emissions. Each load was tarped prior to leaving the site. Subsequent to removal of the topsoil pile the staging area was seeded.

### **3.3 Relocation Sites**

Topsoil originating from the Breneman Site was transported to the following relocation sites:

#### **Relocation Site # 1**

Address: 85 Bayshore Drive, Oswego (Town of Scriba), NY 13126  
Tax ID#: 095.00-01-06.111  
Owners: George Broadwell, Shane Broadwell, Alexandria Broadwell  
Amount of Material Placed: Approximately 100 cubic yards

#### **Relocation Site #2**

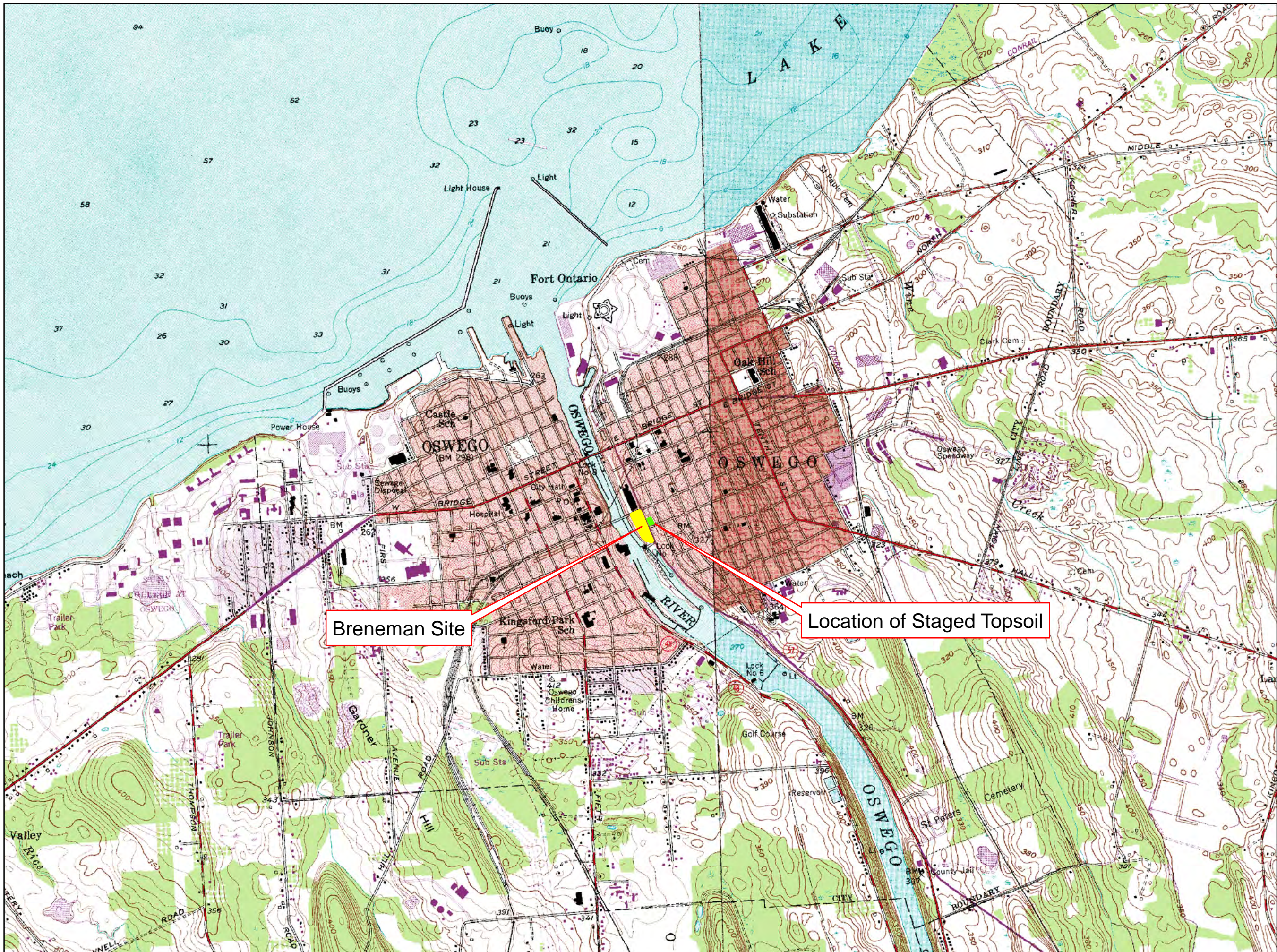
Address: 74 Bayshore Drive, Oswego (Town of Scriba), NY 13126  
Tax ID#: 095.00-01-06.2  
Owner: George Broadwell  
Amount of Material Placed: Approximately 100 cubic yards

Relocation sites are detailed on Figures 2 and 3.

I:\CANALVIEW DEVELOPMENT\214001 - 8 EAST UTICA STREET - BCP REMEDIAL INV\REPORTS\TOPSOIL RELOCATION  
WP\REPORT.2016.08.08\_TOPSOIL RELOCATION.DOCX

## FIGURES

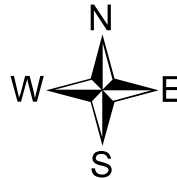




Topsoil Relocation Report

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

Location of Breneman Site  
and  
Staged Topsoil



100 2,490  
1 inch = 2,000 feet

Issued For: **FINAL** Date: 08/12/2016  
Drawn By: DKE

[ 214001 ]  
[ FIGURE 1 ]





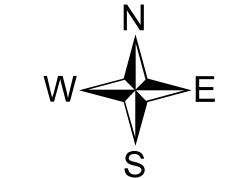
Relocation Site #1  
85 Bayshore Drive  
Town of Scriba  
Tax ID# 095.00-01-06.111

Relocation Site #2  
74 Bayshore Drive  
Town of Scriba  
Tax ID# 095.00-01-06.2

Topsoil Relocation Report

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

Topsoil Relocation Sites



10 2,510  
1 inch = 2,000 feet

Issued For: **FINAL** Date: 08/12/2016  
Drawn By: DKE

[ 214001 ]  
[ FIGURE 2 ]





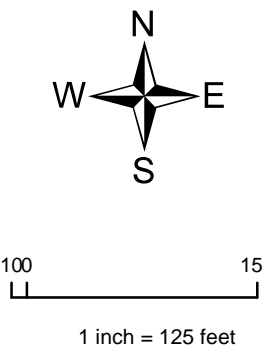
Topsoil Relocation Report

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

Location of  
Topsoil Placement

Topsoil Placement  
Relocation Site #2  
74 Bayshore Drive

Topsoil Placement  
Relocation Site #1  
85 Bayshore Drive



Issued For: **FINAL** Date: 08/12/2016  
Drawn By: DKE



# TABLES

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

**Summary of Metals Analysis - Staged Topsoil**  
**Results in Parts Per Million (ppm)**

Sample Location	OSWEGO C-1	SC-01	SC-02	SC-03	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Unrestricted Use
Sample Type	Composite	Discrete	Discrete	Discrete	
Sample Collection Date	8/22/2014	6/2/2016	6/2/2016	6/2/2016	
Aluminum	5,750.00	6,850.00	6,920.00	6,720.00	Not Listed
Antimony	ND>0.666	ND<2.22	ND<2.79	ND<2.28	Not Listed
Arsenic	2.02	3.25	3.10	3.53	13.0
Barium	50.60	65.10	42.50	61.40	350.0
Beryllium	ND>0.533	0.36	0.29	0.41	7.2
Cadmium	ND>0.533	ND<0.555	ND<0.698	ND<.571	2.5
Calcium	4,940.00	6,110.00	7,700.00	7,480.00	Not Listed
Chromium	7.37	8.98	8.04	10.10	30.00
Cobalt	2.92	3.16	2.84	3.66	Not Listed
Copper	16.10	18.10	17.60	22.70	50.00
Cyanide (total)	NA	ND<0.278	ND<0.349	ND<0.285	27.00
Iron	9,200.00	16,300.00	11,700.00	13,000.00	Not Listed
Lead	57.00	43.70	38.30	64.50	63.00
Magnesium	2,280.00	2,270.00	2,360.00	3,400.00	Not Listed
Manganese	297.00	343.00	296.00	372.00	1,600.0
Mercury	0.106	0.066	0.072	0.142	0.18
Nickel	6.22	7.48	7.12	9.19	30.0
Potassium	740.00	651.00	823.00	784.00	Not Listed
Selenium	ND>1.33	ND<2.22	ND<2.79	ND<2.28	3.900
Silver	ND>0.933	ND<1.1	ND<1.4	ND<1.14	2.000
Sodium	ND>66.6	117.00	ND<140	ND<114	Not Listed
Thallium	ND>1.33	ND<2.22	ND<2.79	ND<2.28	Not Listed
Vanadium	11.40	15.30	14.00	14.10	Not Listed
Zinc	49.30	47.40	50.90	62.50	109.000

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

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

Sample Location	OSWEGO C-1	SC-01	SC-02	SC-03	NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives for the Protection of Public Health: Unrestricted Use
Sample Type	Composite	Discrete	Discrete	Discrete	
Sample Collection Date	8/22/2014	6/2/2016	6/2/2016	6/2/2016	
1,1'-Biphenyl	ND>0.459	ND>0.183	ND>0.23	ND>0.188	Not Listed
2,4,5-Trichlorophenol	ND>0.459	ND>0.183	ND>0.23	ND>0.188	Not Listed
2,4,6-Trichlorophenol	ND>0.459	ND>0.183	ND>0.23	ND>0.188	Not Listed
2,4-Dichlorophenol	ND>0.459	ND>0.183	ND>0.23	ND>0.188	Not Listed
2,4-Dimethylphenol	ND>0.459	ND>0.183	ND>0.23	ND>0.188	Not Listed
2,4-Dinitrophenol	ND>0.459	ND>0.183	ND>0.23	ND>0.188	Not Listed
2,4-Dinitrotoluene	ND>0.459	ND>0.183	ND>0.23	ND>0.188	Not Listed
2,6-Dinitrotoluene	ND>0.459	ND>0.183	ND>0.23	ND>0.188	Not Listed
2-Chloronaphthalene	ND>0.230	ND>0.183	ND>0.23	ND>0.188	Not Listed
2-Chlorophenol	ND>0.459	ND>0.183	ND>0.23	ND>0.188	Not Listed
2-Methylnaphthalene	ND>0.230	ND>0.183	ND>0.23	ND>0.188	Not Listed
2-Methylphenol	ND>0.459	ND>0.183	ND>0.23	ND>0.188	Not Listed
2-Nitroaniline	ND>0.459	ND>0.183	ND>0.23	ND>0.188	Not Listed
2-Nitrophenol	ND>0.459	ND>0.183	ND>0.23	ND>0.188	Not Listed
3&4-Methylphenol	ND>0.459	ND>0.183	ND>0.23	ND>0.188	Not Listed
3,3'-Dichlorobenzidine	ND>0.459	ND>0.183	ND>0.23	ND>0.188	Not Listed
3-Nitroaniline	ND>0.459	ND>0.183	ND>0.23	ND>0.188	Not Listed
4,6-Dinitro-2-methylphenol	ND>0.459	ND>0.183	ND>0.23	ND>0.188	Not Listed
4-Bromophenyl-phenylether	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
4-Chloro-3-methylphenol	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
4-Chloroaniline	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
4-Chlorophenyl-phenylether	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
4-Nitroaniline	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
4-Nitrophenol	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
Acenaphthene	ND>0.230	ND>0.183	ND>0.23	ND>0.188	20.00
Acenaphthylene	ND>0.230	ND>0.183	ND>0.23	ND>0.188	100.00
Acetophenone	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
Anthracene	ND>0.230	ND>0.183	ND>0.23	ND>0.188	100.00
Atrazine	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
Benzaldehyde	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
Benzo(a)anthracene	0.46	0.533	0.239	0.258	1.00
Benzo(a)pyrene	0.42	0.471	0.265	0.288	1.00
Benzo(b)fluoranthene	0.387	0.669	0.411	0.435	1.00
Benzo(g,h,i)perylene	0.258	ND>0.183	ND>0.23	ND>0.188	100.00
Benzo(k)fluoranthene	0.406	0.284	ND>0.23	ND>0.188	0.80
bis(2-chloroethoxy)methane	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
bis(2-chloroethyl)ether	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
bis(2-Chloroisopropyl)ether	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
bis(2-Ethylhexyl)Phthalate	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
Butylbenzylphthalate	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
Caprolactam	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
Carbazole	ND>0.230	ND>1.85	ND>2.32	ND>1.9	Not Listed
Chrysene	0.495	0.473	0.254	0.26	1.00
Dibenz(a,h)anthracene	ND>0.230	ND>0.183	ND>0.23	ND>0.188	0.33
Dibenzofuran	ND>0.230	ND>1.85	ND>0.23	ND>1.9	7.00
Diethylphthalate	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
Dimethylphthalate	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
Di-n-butylphthalate	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
Di-n-octylphthalate	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
Fluoranthene	0.982	1.01	0.503	0.602	100.00
Fluorene	ND>0.230	ND>0.183	ND>0.23	ND>0.188	30.00
Hexachlorobenzene	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
Hexachlorobutadiene	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
Hexachlorocyclopentadiene	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
Hexachloroethane	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
Indeno(1,2,3-cd)pyrene	0.247	0.187	ND>0.23	ND>0.188	0.50
Isophorone	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
Naphthalene	ND>0.230	ND>0.183	ND>0.23	ND>0.188	12.00
Nitrobenzene	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
N-Nitroso-di-n-propylamine	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
N-Nitrosodiphenylamine	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
Pentachlorophenol	ND>0.459	ND>1.85	ND>2.32	ND>1.9	Not Listed
Phenanthrene	0.665	0.4	1.4	0.222	100.00
Phenol	ND>0.459	ND>1.85	ND>2.32	ND>1.9	0.33
Pyrene	0.851	0.68	0.328	0.379	100.00

# APPENDIX 1

## Particulate Meter Data Logs

# Test 001

Instrument		Data Properties	
Model	DustTrak II	Start Date	7/7/2016
Instrument S/N	8530133701	Start Time	7:57:05
		Stop Date	7/7/2016
		Stop Time	12:12:05
		Total Time	0:04:15:00
		Logging Interval	900 seconds

## Statistics

### AEROSOL

Avg	0.030 mg/m <sup>3</sup>
Max	0.043 mg/m <sup>3</sup>
Max Date	07/07/2016
Max Time	08:12:05
Min	0.020 mg/m <sup>3</sup>
Min Date	07/07/2016
Min Time	11:57:05
TWA (8 hr)	0.016
TWA Start Date	07/07/2016
TWA Start Time	07:57:05
TWA End Time	12:12:05

## Test Data

Data Point	Date	Time	AEROSOL mg/m <sup>3</sup>
1	7/7/2016	8:12:05	0.043
2	7/7/2016	8:27:05	0.037
3	7/7/2016	8:42:05	0.032
4	7/7/2016	8:57:05	0.033

---

5	7/7/2016	9:12:05	0.029
6	7/7/2016	9:27:05	0.03
7	7/7/2016	9:42:05	0.032
8	7/7/2016	9:57:05	0.031
9	7/7/2016	10:12:05	0.03
10	7/7/2016	10:27:05	0.034
11	7/7/2016	10:42:05	0.029
12	7/7/2016	10:57:05	0.033
13	7/7/2016	11:12:05	0.03
14	7/7/2016	11:27:05	0.031
15	7/7/2016	11:42:05	0.021
16	7/7/2016	11:57:05	0.02
17	7/7/2016	12:12:05	0.022

# Test 001

Instrument		Data Properties	
Model	DustTrak II	Start Date	7/7/2016
Instrument S/N	8530162202	Start Time	8:03:39
		Stop Date	7/7/2016
		Stop Time	12:18:39
		Total Time	0:04:15:00
		Logging Interval	900 seconds

## Statistics

### AEROSOL

Avg	0.032 mg/m <sup>3</sup>
Max	0.045 mg/m <sup>3</sup>
Max Date	07/07/2016
Max Time	08:18:39
Min	0.021 mg/m <sup>3</sup>
Min Date	07/07/2016
Min Time	12:03:39
TWA (8 hr)	0.017
TWA Start Date	07/07/2016
TWA Start Time	08:03:39
TWA End Time	12:18:39

## Test Data

Data Point	Date	Time	AEROSOL mg/m <sup>3</sup>
1	7/7/2016	8:18:39	0.045
2	7/7/2016	8:33:39	0.038
3	7/7/2016	8:48:39	0.043
4	7/7/2016	9:03:39	0.03



5	7/7/2016	9:18:39	0.032
6	7/7/2016	9:33:39	0.033
7	7/7/2016	9:48:39	0.033
8	7/7/2016	10:03:39	0.03
9	7/7/2016	10:18:39	0.029
10	7/7/2016	10:33:39	0.032
11	7/7/2016	10:48:39	0.033
12	7/7/2016	11:03:39	0.034
13	7/7/2016	11:18:39	0.033
14	7/7/2016	11:33:39	0.028
15	7/7/2016	11:48:39	0.026
16	7/7/2016	12:03:39	0.021
17	7/7/2016	12:18:39	0.029

# Test 001

Instrument		Data Properties	
Model	DustTrak II	Start Date	7/7/2016
Instrument S/N	8530162021	Start Time	8:01:03
		Stop Date	7/7/2016
		Stop Time	12:16:03
		Total Time	0:04:15:00
		Logging Interval	900 seconds

## Statistics

### AEROSOL

Avg	0.044 mg/m <sup>3</sup>
Max	0.062 mg/m <sup>3</sup>
Max Date	07/07/2016
Max Time	08:46:03
Min	0.026 mg/m <sup>3</sup>
Min Date	07/07/2016
Min Time	12:01:03
TWA (8 hr)	0.023
TWA Start Date	07/07/2016
TWA Start Time	08:01:03
TWA End Time	12:16:03

## Test Data

Data Point	Date	Time	AEROSOL mg/m <sup>3</sup>
1	7/7/2016	8:16:03	0.049
2	7/7/2016	8:31:03	0.044
3	7/7/2016	8:46:03	0.062
4	7/7/2016	9:01:03	0.049

5	7/7/2016	9:16:03	0.053
6	7/7/2016	9:31:03	0.039
7	7/7/2016	9:46:03	0.038
8	7/7/2016	10:01:03	0.047
9	7/7/2016	10:16:03	0.041
10	7/7/2016	10:31:03	0.037
11	7/7/2016	10:46:03	0.052
12	7/7/2016	11:01:03	0.048
13	7/7/2016	11:16:03	0.048
14	7/7/2016	11:31:03	0.041
15	7/7/2016	11:46:03	0.039
16	7/7/2016	12:01:03	0.026
17	7/7/2016	12:16:03	0.034

## APPENDIX 2

### Field Notes

# Breneman Staged Topsoil Removal

8 East Utica St. Oswego, NY

7/7/2016

Dust readings in  $\text{mg}/\text{m}^3$

DT-1	DT-2	DT-3
Serial: 8530133701	Serial: 8530162021	Serial: 8530162202
MAX: 0.043	MAX: 0.062	MAX: 0.045
MIN: 0.020	MIN: 0.026	MIN: 0.021
AVG: 0.030	AVG: 0.044	AVG: 0.032
TWA: 0.016	TWA: 0.023	TWA: 0.017

Notes: George 315-529-6204 Developer

0741 SMR on-site, trucks already loaded by operator, leaving site. SMR halts work until dust units set up.

0803 CAMP established, work resumed. 3 trucks on rotation.

0830 Josh (NYSDEC) on-site. SMR informs him of CAMP and no PID readings above 0.0 ppm.

0910 Visible dust layer on SMR's vehicle. Josh concerned dust leaving site is an issue. SMR tells operator to slow down loading to minimize fugitive dust. Operator calls to see if water can be added to piles. 6 loads @ 0922

0940 Hose connected. Water misting over loaded soil to minimize dust.

1038 PID reading of 0.5 observed in moist soils. No odor VF SAND, tr SILT, tr VF SR GRAVEL, no stain. No dust exceedences.

1047 11 loads out. 0.0 ppm.

1117 George informs Josh of potential change in development plan. "90% sure Hilton won't be being built" wants to instead construct townhouses. SMR speaks to J. Cook to determine LaBella's best course of action. Switching standards to Restricted Res. from commercial. 15 loads out.

# Breneman Staged Topsoil Removal

7/7/2016

8 East Utica Street, Oswego, NY

## Notes cont'd:

1156 Majority of soils loaded out. All VF to M SAND, some VC R to SR GRAVEL, tr R COBBLES, no odor, no stain. 1/2 load stockpiled and ready to ship, waiting for truck.

1219

Earthwork completed. SMR de-establishes CAMP. Material brought to large barn area proximate lot of residence 74 Bayshore Drive. rest relocated to area prev. designated by work plan.

Site Sketch:

Approx. North  
4

to canal  
←

DRIVEWAY

X DT-1

DT-2

X

PILE

X DT-3

LAWN

HOUSE

## **APPENDIX D**

### **AGENCY APPROVALS**

# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 7  
615 Erie Boulevard West, Syracuse, NY 13204-2400  
P: (315) 426-7519, (315) 426-7551 | F: (315) 426-2653  
[www.dec.ny.gov](http://www.dec.ny.gov)

April 2, 2019

Shane Broadwell  
Canalview Development, LLC  
70 East First Street  
Oswego, NY 13126  
[sbroadwell@oswegowfd.com](mailto:sbroadwell@oswegowfd.com)

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

Dear Mr. Broadwell:

The New York State Department of Environmental Conservation (Department) has reviewed the updated Remedial Action Work Plan (work plan) for the Former Breneman Site (site), dated March 2019, which was prepared by LaBella Associates, D.P.C. on behalf of Canalview Development, LLC (Volunteer). With the following modifications, the work plan is hereby approved.

1. Groundwater sampling for per- and polyfluoroalkyl substances (PFAS) must be conducted in accordance with the attached guidance.
2. PFAS samples must be analyzed for the 21 compounds listed below using Modified EPA Method 537 or ISO 25101 and must achieve reporting limits of 2 nanograms per liter (ng/L) for most of the PFAS. The reporting limit for perfluorooctanoic acid (PFOA) and perfluorooctanoic sulfonate (PFOS) must not exceed 2 ng/L.

Chemical Name	Abbreviation	CAS Number
Perfluorobutanesulfonic acid	PFBS	375-73-5
Perfluorohexanesulfonic acid	PFHxS	355-46-4
Perfluoroheptanesulfonic acid	PFHpS	375-92-8
Perfluorooctanesulfonic acid	PFOS	1763-23-1
Perfluorodecanesulfonic acid	PFDS	335-77-3
Perfluorobutanoic acid	PFBA	375-22-4
Perfluoropentanoic acid	PFPeA	2706-90-3
Perfluorohexanoic acid	PFHxA	307-24-4
Perfluoroheptanoic acid	PFHpA	375-85-9



Department of  
Environmental  
Conservation



Perfluorooctanoic acid	PFOA	335-67-1
Perfluorononanoic acid	PFNA	375-95-1
Perfluorodecanoic acid	PFDA	335-76-2
Perfluoroundecanoic acid	PFUA/PFUdA	2058-94-8
Perfluorododecanoic acid	PFDaA	307-55-1
Perfluorotridecanoic acid	PFTriA/PFTTrDA	72629-94-8
Perfluorotetradecanoic acid	PFTA/PFTTeDA	376-06-7
6:2 Fluorotelomer sulfonate	6:2 FTS	27619-97-2
8:2 Fluorotelomer sulfonate	8:2 FTS	39108-34-4
Perfluorooctanesulfonamide	FOSA	754-91-6
N-methyl perfluorooctanesulfon- amidoacetic acid	N-MeFOSAA	2355-31-9
N-ethyl perfluorooctanesulfon- amidoacetic acid	N-EtFOSAA	2991-50-6

3. Groundwater samples collected for analysis of 1,4-dioxane must be analyzed by EPA Method 8270 SIM or 8260 SIM and must achieve a method detection limit no greater than 0.35 micrograms per liter. Method 8270 SIM is the preferred method.

The Volunteer must reply within 15 days if the modifications will be accepted. If accepted, this letter and the Volunteer's acceptance letter must be attached to the front of all copies of the work plan. If you have any questions, please do not hesitate to contact me at 315-426-7411 or [joshua.cook@dec.ny.gov](mailto:joshua.cook@dec.ny.gov).

Sincerely,



Joshua P. Cook, P.E.  
Professional Engineer 1

Enclosure

ec: Harry Warner (NYSDEC)  
Joshua Cook (NYSDEC)  
Maureen Schuck (NYSDOH)  
Richard Jones (NYSDOH)  
Shane Broadwell (Canalview)  
George Broadwell (Canalview)  
David Engert (LaBella)  
Daniel Noll (LaBella)

## INVENTORY OF INJECTION WELLS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF GROUND WATER AND DRINKING WATER

(This information is collected under the authority of the Safe Drinking Water Act)

## PAPERWORK REDUCTION ACT NOTICE

The public reporting burden for this collection of information is estimated at about 0.5 hour per response including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, Director, Collection Strategies Division (2822), U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, NW, Washington, DC 20460, and to the Office of Management and Budget, Paperwork Reduction Project, Washington, DC 20503.

1. DATE PREPARED (Year, Month, Day)

18-12-14

2. FACILITY ID NUMBER

NYS738046

3. TRANSACTION TYPE (Please mark one of the following)

☐ Deletion☒ First Time Entry☐ Entry Change☐ Replacement

## 4. FACILITY NAME AND LOCATION

A. NAME (last, first, and middle initial)

Former Breneman Site

C. LATITUDE

DEG MIN SEC  
43 27 10 248

E. TOWNSHIP/RANGE

TOWNSHIP RANGE SECT 1/4 SECT

B. STREET ADDRESS/ROUTE NUMBER

8 East Utica Street

D. LONGITUDE

DEG MIN SEC  
76 30 19 968

F. CITY/TOWN

Oswego

G. STATE

NY

H. ZIP CODE

13126

I. NUMERIC COUNTY CODE

075

J. INDIAN LAND (mark "x")

Yes ☐ No ☒

## 5. LEGAL CONTACT:

A. TYPE (mark "x")

☒ Owner ☐ Operator

B. NAME (last, first, and middle initial)

George Broadwell

C. PHONE (area code and number)

(315) 529-6204

D. ORGANIZATION

Canalview Development LLC

E. STREET/P.O. BOX

70 East First Street

F. CITY/TOWN

Oswego

G. STATE

NY

H. ZIP CODE

13126

I. OWNERSHIP (mark "x")

☒ PRIVATE☐ PUBLIC☐ STATE☐ FEDERAL☐ SPECIFY OTHER

## 6. WELL INFORMATION:

A. CLASS AND TYPE	B. NUMBER OF WELLS	C. TOTAL NUMBER OF WELLS		D. WELL OPERATION STATUS						COMMENTS (Optional):			
		COMM	NON-COMM	UC	AC	TA	PA	AN					
V	5	15	15	15						15 direct push injection points will be advanced to inject an approximately 20% by volume slurry of PeroxyChem Kloxur CR activated persulfate to treat petroleum contamination in the subsurface. Approximately 400 lbs of Kloxur will be injected at each location. Injection points will be backfilled with bentonite grout after retracting injection tooling.			
			0										
			0										
			0										
			0										
			0							KEY: DEG = Degree MIN = Minute SEC = Second  SECT = Section 1/4 SECT = Quarter Section  COMM = Commercial NON-COMM = Non-Commercial  AC = Active UC = Under Construction TA = Temporarily Abandoned PA = Permanently Abandoned and Approved by State AN = Permanently Abandoned and not Approved by State			
			0										
			0										
			0										
			0										



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 2

290 BROADWAY

NEW YORK, NY 10007-1866

MAR 18 2019

Received By  
LaBella Associates, P.C.

MAR 21 2019

David K. Engert, CHMM  
Project Manager  
300 State Street, Suite 201  
Rochester, NY 14614

Client: \_\_\_\_\_  
Proj.#: \_\_\_\_\_

Re: Underground Injection Control (UIC) Program Regulation  
former Breneman Site (**Reference UICID: 16NY07599066**)  
8 East Utica Street  
Oswego, NY 13126  
Oswego County  
Authorization to Inject

Dear Mr. Engert:

This letter serves to inform you that the U.S. Environmental Protection Agency is in receipt of inventory information addressing wells authorized by rule located at the above-referenced facility in accordance with 40 Code of Federal Regulations (CFR) §144.26. The operation of the following Underground Injection Control wells are authorized by rule, pursuant to 40 CFR §144.24:

**Fifteen (15) injection wells to inject 2,850 gallons of solution (400 lbs of Klozer CR [20%] with 190 gallons of water per injection well) to treat soil impacted with VOC.**

**This authorization is for a one-time injection event. If any additional injection is needed, you are required to notify this office prior the event.**

Should any conditions change in the operation of any of the wells listed above (such as injectate composition, closure of the well, injection of cooling water greater than 98 degrees Fahrenheit, construction of additional wells, etc.) you are required to notify this office within five (5) days. Any accidental spills into a well should be reported within twenty-four (24) hours after the event. Change in operation information should be addressed to:

Nicole Foley Kraft, Chief  
Groundwater Compliance Section  
United States Environmental Protection Agency  
290 Broadway, 20<sup>th</sup> Floor  
New York, NY 10007-1866  
Re: 16NY07599066  
Attn: Luis Rodríguez

## **APPENDIX E**

### **Daily Logs**



Associates, D.P.C.

Engineering  
Architecture  
Environmental  
Planning

DATE:

1/14/2019

DAY OF WEEK:

S ☒ M T W T F S

SHEET NO.

1 OF 1

PROJECT NAME:

8 E. Utica St - Remedial Injection

PROJECT NO.:

2190490

LOCATION:

8 E. Utica St, Oswego, NY

CLIENT:

Canalview Development

DESCRIPTION OF WORK

	AM	PM
WEATHER	Cloudy	Cloudy
TEMPERATURE	18°F	25°F

0845 S. Rife departs Rochester.  
~~10:45~~ 0950 S. Rife arrives Oswego (site) M. Winderl Jr + Matt on site.  
P. Spagnola on site.  
1010 S. Rife attempts to operate Trimble GPS.  
1045 Trimble GPS unable to achieve location pinpoint. Shapefile loaded, but position not fixed.  
1100 S. Rife + Matt measure offsets from well MW-03, visible in injection gallery area. Trailer set proximate gallery.  
1140 Conex box delivered. Set up hill on site concrete slab.  
1200 Waiting on receipt of Klosur chemical (freight).  
1350 Chemical delivery arrives.  
1505 Chemical (6 pallets @ ~ 1100/lbs each) loaded into conex box. All equipment secured/locked.  
1510 S. Rife off-site to office.  
1645 S. Rife arrives office. Prints figures/logs.  
1700 S. Rife departs office.

INSPECTOR'S SIGNATURE

*Steven P. [Signature]*

DATE

1/14/2019

ATTACHMENTS

YES

☒ NO

**LABELLA**

Associates, D.P.C.

Engineering  
Architecture  
Environmental  
Planning

DATE:

1/15/2019

DAY OF WEEK:

S M T W T F S

SHEET NO.

OF

PROJECT NAME:

8 E Utica St - Remedial Injection

PROJECT NO.:

2190490

LOCATION:

8 E. Utica St, Oswego NY

CLIENT:

Canalview Development

DESCRIPTION OF WORK

	AM	PM
WEATHER	cloudy	cloudy
TEMPERATURE	28°F	31°F

0630 S. Rife departs Rochester.

0800 S. Rife arrives on-site. M. Windol Jr + M. McDermott on-site performing prep work, starting/warming up equipment w/ propane heater. Attempt to pump water uphill from canal. Unsuccessful.

0900 D. Engert (LaBella) on-site. LLC troubleshooting pump.

0945 Unable to achieve flow → pump malfunctioning. D. Engert rents another pump.

1015 J. Cook (NYSDEC) on-site. D. Engert returns w/ trash pump (submersible)

1030 LLC prepares batch 1 of chemical.

Each Point: ~190 gal water + 9 pails of oxidant/persulfate mix.

1055 ~~Refusal~~ <sup>12.01 AM</sup> INTJ-8 refusal <sup>"K105UR CR"</sup> 10.5' BGS → begin injection.

1140 Approx 110 gal injected in INTJ-8. 4 lifts. 10.5', 9.5', 8.5', 7.5'

1155 Approx 200 gal injected in INTJ-8 completed. 12.0', 11.0', 10.0', 9.0'

1215 Break for lunch.

1245 Work resumes. Begin mobilization to point INTJ-4. Puncture water from canalway. ~200 gal.

1330 Mixing slows due to flow issue in D.D. pump. Troubleshoot DD pump.

1415 Injection begins in INTJ-4 → 15.0', 14.0', 13.0', 12.0'

1455 Approx 50-60 gallons remain for INTJ-4. Significant daylighting observed approx 3' - 8' laterally from INTJ-4. Slow pump rate.

1525 Completed treatment in INTJ-4. Flush piping w/ water. Frozen layer ~6" thick observed on bottom of injection tote. Plan to wash out frozen ~~water~~ tomorrow morning at hotel w/ warm water hose.

1645 Equipment put away, conex box locked. CAMP taken down, no exceedance or visible dust

1715 S. Rife departs Site for Hotel.

INSPECTOR'S SIGNATURE



DATE

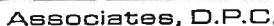
1/15/2019

ATTACHMENTS

☒ YES☐ NO

CAMP FORM - No exceedances





DATE:

1/16/2019

DAY OF WEEK: S M T W T F S

SHEET NO.

On

PROJECT NAME: 8 Utica St - Remedial Injection

PROJECT NO.: 2190490

LOCATION:

CLIENT:

### DESCRIPTION OF WORK

	AM	PM
WEATHER	cloudy	
TEMPERATURE	30°F	

0700 LLC on-site. Begin warming hoses/equipment w/ kerosene heater.  
0730-0750 LLC unable to leave site due to Crane Hogan rebar delivery.  
0800 LLC to Quality Inn to fill up injection tote w/ warm water.  
0820 Tote Filled ~200 gal. Mobilize to site. S. Rife establishes CAMP.  
0830 S. Rife speaks to Crane Hogan. Another rebar delivery planned for early afternoon. Crane Hogan to work w/ labella on spacing to accommodate Inj. work.  
0850 Geoprobe set on point INT-15. Point driven to 12.0'. Grout pump experiencing issue → no flow. Troubleshooting.  
0940 No progress on grout pump. Call w/ D. Egert. LLC to purchase PVC fitting to attempt to inject w/ 1" PVC well riser. LLC off-site. S. Rife on-site. Mix circulating & Kero heater on grout pump.  
1020 LLC on-site. Begin constructing fitting. 5' 1" well screen used as injector. holes drilled w/ impact into bottom 3' of screen.  
1055 Screen + PVC Riser lowered into hole → INT-15 to 8.2'. INT-15 injecting begins (gravity feed) from 5.2' BGS to 8.2' BGS.  
1125 ~200 gal gravity fed into INT-15. Complete.  
1155 Equipment removed from INT-15. Lunch / refill tote.  
1230 Begin refilling tote.  
1310 Tote filled ~200 gal. Return to site. Set up probe on INT-12  
1425 ~200-210 gal batch put into INT-12. INT-12 completed. 7.0'-10.0'  
1515 LLC back from hotel filling tote. Probe set on INT-11. Approximately 40-gal pumped into INT-11, significant daylighting observed. Moved Geoprobe to INT-13

INSPECTOR'S SIGNATURE

DATE \_\_\_\_\_

1/16/<sup>AR</sup>~~2018~~ 2019

ATTACHMENTS

YES ) NO

CAMP Form - No exceedances



Associates, D.P.C.

Engineering  
Architecture  
Environmental  
PlanningPROJECT NAME: 8 E. Utica St - Remedial InjectionPROJECT NO.: 2190490LOCATION: 8 E. Utica St, Oswego NYCLIENT: Canalview Development

DATE:

1/17/2019

DAY OF WEEK:

S M T W TH F S

SHEET NO.

OF

	AM	PM
WEATHER	Sunny	Partly Sunny
TEMPERATURE	5°F	20°F

## DESCRIPTION OF WORK

0600 S. Rife departs Rochester.  
0730 S. Rife arrives to hotel. Tote 1/2 full ~100 gal from hotel house.  
0750 Tote filled, S. Rife + M. Winderl Tr. to site. S. Rife establishes CAMP N & S of work area. No visible dust. Start mixing batch for INTJ-1.  
0830 Hoses carrying products freezing, minimal to no flow observed. Kerosene heater employed to heat up hoses.  
1000 ~10 gal injected, flow issues due to freezing from low temp + wind. PVC injector observed frozen. LLC makes new injector point (10' PVC). Attempt to inject in INTJ-2. Probe moved. No flow when valve released. Possible Eastern portion of site too saturated.  
1035 Probe moved to INTJ-14 (western edge of gallery). Attempt to inject @ 7'-10'. No flow observed. Raise injector to 3'-6' above water table. Flow achieved.  
1110 INTJ-14 Completed. ~200 gal injected 3'-6'.  
1120 LLC off-site to retrieve water.  
1205 LLC on-site w/ water. Probe set up on INTJ-9. Begin injecting 1230  
1255 INTJ-9 complete. ~225 gal 5'-8' BG5.  
1305 LLC to hotel to fill tank. Return to site 1340.  
1340 Probe set on INTJ-6. Begin drilling.  
1355 Mix surfacing in hole @ INTJ-6. < 5 gal injected. Move to INTJ-16.  
1405 Begin drilling INTJ-16. Farthest point north of gallery area.  
1420 Begin injecting INTJ-16. < 10 gal injected, surfacing observed in borehole. 6'-9' Drill another hole approx 5' from initial -> try again.  
1445 < 5 gal injected, observe surfacing in borehole. Discontinue INTJ-16.  
1515 Drill INTJ-10. 8'-10'. Observed product treatment surfacing in borehole.  
1535 ~50 gal into INTJ-9. Flow stops. Move to INTJ-10. Re-form hose fittings to attempt usage of DD pump. Pump seizes. Move back to INTJ-9.  
1610 Pump remaining liquid into INTJ-9  
1640 S. Rife Departs Site.  
1810 S. Rife to Rochester.

INSPECTOR'S SIGNATURE

DATE

1/17/2019ATTACHMENTS ☒ YES ☐ NO

CAMP form - No exceedances



DATE:

1/18/2019

DAY OF WEEK:

S M T W T **F** S

SHEET NO.

OF

PROJECT NO.: 2190490

LOCATION:

CLIENT:

### DESCRIPTION OF WORK

	AM	PM
WEATHER	Cloudy	Cloudy, snow
TEMPERATURE	14°F	22°F

[illegible]

INSPECTOR'S SIGNATURE

DATE \_\_\_\_\_

1/18/2019

ATTACHMENTS

☒ YES ☐ NO

CAMP Form - No exceedances

8 E. Utica St Remedial Injection

- January 2019 -

S. Rife

LaBella Associates

M. Windert Jr.

## Injection Depth Table

P# 2190490

M. McDonough

INJ PT. NO.	DATE	(FT BGS) DEPTH	(GAL) QUANTITY	NOTES
1	1/17/19	7'-10'	~10	Injector freezes, 50°F windy 1/17/19 AM
2	1/17/19	7'-10'	~5	Surfacing in hole
3				
4	1/15/2019	12'-15'	~200	4 lifts, some minor daylighting 5'-10' away on surface
5				
6				
7				
8	1/15/2019	9'-12'	~200	4 lifts, no daylighting
9	1/17/2019	5'-8'	~225	
10				
11	1/16/2019	7'-10'	~40	pvc injector, significant daylighting, gravity feed
12	1/16/2019	7.5'-10.5'	~210	
13	1/16/2019 1/18/2019	4.2'-7.2' 4.2'-7.2'	~160 ~190	pvc injector, gravity feed, no daylighting
14	1/17/19	3'-6'	~200	Attempt to inject 7'-10', no flow. moved above water table
15	1/16/2019	5.2'-8.2'	~200	pvc injector, gravity feed, no daylighting
16				





Daily Log

Date:

6/24/20

JOB #:

2190490 Ph 04

TIME ON-SITE:

07:30

TIME OFF-SITE:

17:30

8 East Utica street

LABELLA REPRESENTATIVE: E. Spirito

CONTRACTOR: Ricelli

WEATHER:

70°F

partly cloudy

AIR MONITORING:

LOCATION

PID SERIAL #

DUST TRAK SERIAL #

UPWIND

592-913116

8530153805

DOWNWIND

8530183301

SW wind

\* Taking photos of delivery tickets

6  
3 trucks  
came before  
Spirito onsite

Time	SUMMARY OF WORK PERFORMED
0730	Spirito onsite. George (client) discusses work plan
0800	Camp equipment set up (see map for locations)
	1 excavator moving material in southern corner of site, two contractors weedwacking, 1 bulldozer
0810	1st truck w/ stone arrives onsite
0815	2nd truck load dumped
0822	3rd truck load
0845	DEC onsite - taking photos of site
0900	4th truck load (material from Ricelli construction)
0905	5th + 6th load
0920	suggesting contractors should stake out hill area to confirm 2ft rock cover (stakes w/ rope @ 2' mark), work on hill begins
0930	7th truck load
0945	truck 8, 9, 10 onsite
10:00	truck #12 onsite
10:10	truck #13 onsite
10:45	#14, 15, 16 onsite
10:50	#17 onsite
10:53	#18 onsite, 19 onsite
11:40	20, 21 loads onsite
11:50	#22 load, 23, 24, 25, 26
12:30	#27 unloaded, 28, 29
12:40	#30, 31, 32, 33
13:25	#34, 35, 36, 37, 38, 39, 40
14:11	#41, 42, 43, 44, 45, 46
15:00	47
15:20	48, 49, 50, 51, 52, 53
16:05	54, 55
16:15	56
16:25	57, 58, 59
16:45	60
17:05	61
17:05	62
17:15	63, 64

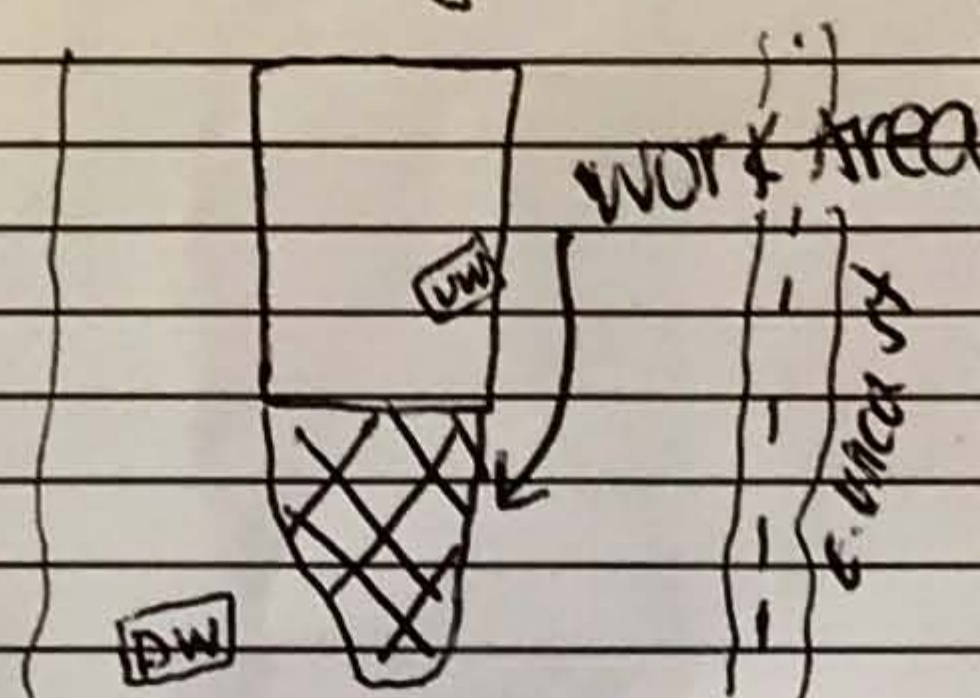
(double + single trucks)

TRUCK LOAD COUNTS:

III				
III				
II				
before Spirito arrived on site				
	N	W	E	S

boards @ bottom  
are at least 2'  
will line up rock  
w/ boards

Sabago River

# of double  
load trucks  
dumpedTotal # of  
trucks load  
from tickets:

71

(missed a couple  
@ beginning  
of day)



LABELLA REPRESENTATIVE: E. Spirito

CONTRACTOR: Ricelli

WEATHER: 70°F  
Sunny, little  
Wind, S-SW

AIR MONITORING:

LOCATION	PID SERIAL #	DUST TRAK SERIAL #
UPWIND	592-913116	8530153805
DOWNWIND	592-909630	8530183301

- 1 excavator  
- 1 dozer

Time	SUMMARY OF WORK PERFORMED
0700	4 truckloads of material dropped off @ site
0715	Spirito onsite
0720	Camp equipment set up at upwind/downwind locations (reference figures)
	Continued work from yesterday includes laying rock within orange and yellow areas, today's work mostly being on the hill slope.
0742	5th truckload
0745	6th truckload
0747	7th truckload
0749	8th truckload
0750	9th truckload
0750	10th truckload
0845	11th truckload arrived
0853	12th truckload
0855	13th truckload
0857	14th truckload
0858	15th truckload
0900	16th truckload
0915	watering down site to reduce airborne dust
0930	17th truckload arrived
0941	18th truckload
0943	19th truckload
0955	20th truckload
0956	21st truckload
1005	client onsite to discuss progress
1022	22nd truckload
1038	23rd truckload, 24th truck
1050	25th truckload
1044	26th truck
1058	27th truck
1105	28th truck
1117	29th truck
1130	30th truck
1155	31st truck
1159	32nd truck
1203	33rd
1204	34th
1205	35
1206	36
1207	37
1208	38
1209	43
1210	44

TRUCKLOAD COUNT			
###	###	###	###
###	###	###	###
###	###		

1315: #45, 46 loads  
1338 #47, 48, 49  
1338 trucks done  
for the day

1345 remaining work  
consists of  
smoothing grade  
and removing branches  
from graveled area.





8 East Utica St,  
Oswego, NY

TIME OFF-SITE:

E. Spirito

Riccelli (trucks)

WEATHER:

70°F  
partly cloudy

S-Winds

- 1 excavator
- 1 dozer

**AIR MONITORING:**

LOCATION	PID SERIAL #	DUST TRAK SERIAL #
UPWIND	892-913116	8530153805
DOWNWIND	592-909630	853018530

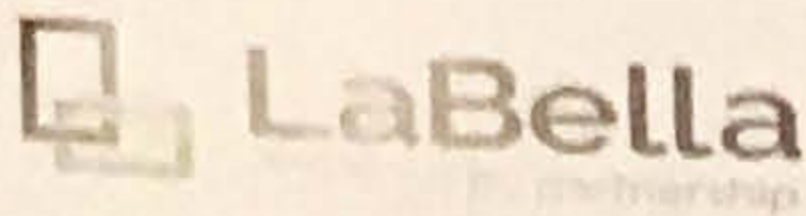
Time	SUMMARY OF WORK PERFORMED
0750	Spirito onsite
0810	7 <sup>th</sup> truckload arrives onsite. WORK being done in lower portion of site, laying area for 1' cover (See map)
0830	8 <sup>th</sup> truckload
0840	9 <sup>th</sup> truckload
0845	10 <sup>th</sup> truckload
0850	11 <sup>th</sup> truckload
0853	12 <sup>th</sup> truckload
0905	13 <sup>th</sup>
0935	14 <sup>th</sup> , 15 <sup>th</sup>
0948	16 <sup>th</sup>
10:00	17 <sup>th</sup>
10:20	18 <sup>th</sup>
10:32	19 <sup>th</sup>
10:39	20
10:52	21
10:58	22
11:24	23
11:31	24
11:37	25
11:42	26
11:48	#27, #28.
12:30	#29 arrives, 30
13:00	smoothing grade, measuring height of cover taking photos of site
14:00	Spirito offsite

# of truckloads  
onsite:  
+++ +++ +++ ++  
+++ +

\$ 34 total for day

Average  
- no exceedances of  
dust or VOCs observed  
during monitoring





Daily Log  
8 EAST UTICA ST  
OSWEGO, NY

Date: 7/16/20  
JOB #: 2190490  
TIME ON-SITE: 08:30  
TIME OFF-SITE:

LABELLA REPRESENTATIVE: E. Spirito

CONTRACTOR: George Boswell  
employees

WEATHER: 80°F  
sunny, little  
wind, E

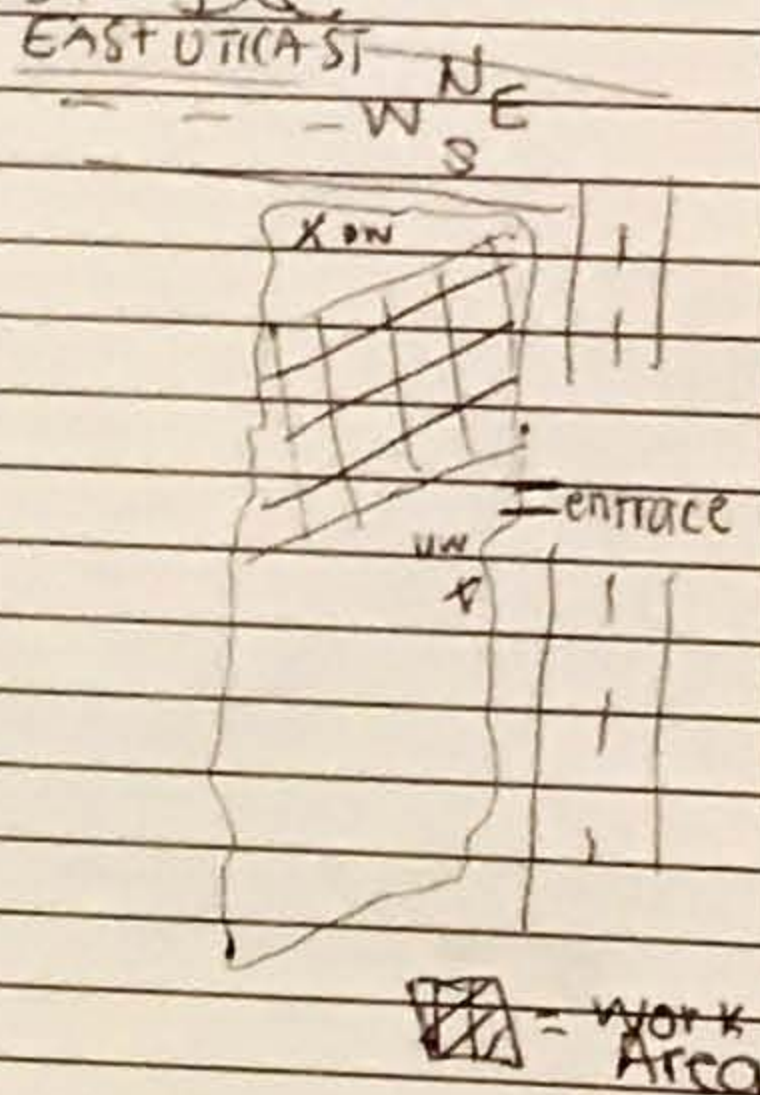
AIR MONITORING:

LOCATION	PID SERIAL #	DUST TRAK SERIAL #
UPWIND	592-909130	8530133010
DOWNWIND	592-909769	8530114008

Time

SUMMARY OF WORK PERFORMED

0830 Spirito onsite, dusttraks and PIDs set upwind/downwind  
0835 George Boswell (client) onsite discuss plan to move dirt off  
concrete, clean up stone areas.  
0840 Site watered down to reduce airborne dust  
10:00 Georges laborers offsite  
10:45 Spirito sending site photos to Josh Cook of DEC  
to confirm site is up to standard.  
11:20 Spirito shooting GPS locations of site  
covers, PVC sit casing elevations  
I pad keeps dying/overheating  
13:30 Spirito offsite returning later in week to  
finish GPS locations





## **APPENDIX F**

### **CAMP Forms**

# Test 001

Instrument		Data Properties	
Model	DustTrak II	Start Date	7/7/2016
Instrument S/N	8530133701	Start Time	7:57:05
		Stop Date	7/7/2016
		Stop Time	12:12:05
		Total Time	0:04:15:00
		Logging Interval	900 seconds

## Statistics

### AEROSOL

Avg	0.030 mg/m <sup>3</sup>
Max	0.043 mg/m <sup>3</sup>
Max Date	07/07/2016
Max Time	08:12:05
Min	0.020 mg/m <sup>3</sup>
Min Date	07/07/2016
Min Time	11:57:05
TWA (8 hr)	0.016
TWA Start Date	07/07/2016
TWA Start Time	07:57:05
TWA End Time	12:12:05

## Test Data

Data Point	Date	Time	AEROSOL mg/m <sup>3</sup>
1	7/7/2016	8:12:05	0.043
2	7/7/2016	8:27:05	0.037
3	7/7/2016	8:42:05	0.032
4	7/7/2016	8:57:05	0.033

---

5	7/7/2016	9:12:05	0.029
6	7/7/2016	9:27:05	0.03
7	7/7/2016	9:42:05	0.032
8	7/7/2016	9:57:05	0.031
9	7/7/2016	10:12:05	0.03
10	7/7/2016	10:27:05	0.034
11	7/7/2016	10:42:05	0.029
12	7/7/2016	10:57:05	0.033
13	7/7/2016	11:12:05	0.03
14	7/7/2016	11:27:05	0.031
15	7/7/2016	11:42:05	0.021
16	7/7/2016	11:57:05	0.02
17	7/7/2016	12:12:05	0.022

# Test 001

Instrument		Data Properties	
Model	DustTrak II	Start Date	7/7/2016
Instrument S/N	8530162202	Start Time	8:03:39
		Stop Date	7/7/2016
		Stop Time	12:18:39
		Total Time	0:04:15:00
		Logging Interval	900 seconds

## Statistics

### AEROSOL

Avg	0.032 mg/m <sup>3</sup>
Max	0.045 mg/m <sup>3</sup>
Max Date	07/07/2016
Max Time	08:18:39
Min	0.021 mg/m <sup>3</sup>
Min Date	07/07/2016
Min Time	12:03:39
TWA (8 hr)	0.017
TWA Start Date	07/07/2016
TWA Start Time	08:03:39
TWA End Time	12:18:39

## Test Data

Data Point	Date	Time	AEROSOL mg/m <sup>3</sup>
1	7/7/2016	8:18:39	0.045
2	7/7/2016	8:33:39	0.038
3	7/7/2016	8:48:39	0.043
4	7/7/2016	9:03:39	0.03



5	7/7/2016	9:18:39	0.032
6	7/7/2016	9:33:39	0.033
7	7/7/2016	9:48:39	0.033
8	7/7/2016	10:03:39	0.03
9	7/7/2016	10:18:39	0.029
10	7/7/2016	10:33:39	0.032
11	7/7/2016	10:48:39	0.033
12	7/7/2016	11:03:39	0.034
13	7/7/2016	11:18:39	0.033
14	7/7/2016	11:33:39	0.028
15	7/7/2016	11:48:39	0.026
16	7/7/2016	12:03:39	0.021
17	7/7/2016	12:18:39	0.029

# Test 001

Instrument		Data Properties	
Model	DustTrak II	Start Date	7/7/2016
Instrument S/N	8530162021	Start Time	8:01:03
		Stop Date	7/7/2016
		Stop Time	12:16:03
		Total Time	0:04:15:00
		Logging Interval	900 seconds

## Statistics

### AEROSOL

Avg	0.044 mg/m <sup>3</sup>
Max	0.062 mg/m <sup>3</sup>
Max Date	07/07/2016
Max Time	08:46:03
Min	0.026 mg/m <sup>3</sup>
Min Date	07/07/2016
Min Time	12:01:03
TWA (8 hr)	0.023
TWA Start Date	07/07/2016
TWA Start Time	08:01:03
TWA End Time	12:16:03

## Test Data

Data Point	Date	Time	AEROSOL mg/m <sup>3</sup>
1	7/7/2016	8:16:03	0.049
2	7/7/2016	8:31:03	0.044
3	7/7/2016	8:46:03	0.062
4	7/7/2016	9:01:03	0.049

5	7/7/2016	9:16:03	0.053
6	7/7/2016	9:31:03	0.039
7	7/7/2016	9:46:03	0.038
8	7/7/2016	10:01:03	0.047
9	7/7/2016	10:16:03	0.041
10	7/7/2016	10:31:03	0.037
11	7/7/2016	10:46:03	0.052
12	7/7/2016	11:01:03	0.048
13	7/7/2016	11:16:03	0.048
14	7/7/2016	11:31:03	0.041
15	7/7/2016	11:46:03	0.039
16	7/7/2016	12:01:03	0.026
17	7/7/2016	12:16:03	0.034

Datalog Mode Auto  
Diagnostic Mode No  
Stop Reason Power Down

-----  
Site ID 12345678  
User ID 12345678  
-----

Begin 6/24/2020 08:30:05  
End 6/24/2020 17:33:01  
Sample Period(s) 60  
Number of Records 542  
-----

Sensor PID(ppm)  
Sensor SN S023030086R6  
Measure Type Avg; Max; Real  
Span 100.0  
Span 2 1000.0  
Low Alarm 50.0  
High Alarm 100.0  
Over Alarm 15000.0  
STEL Alarm 25.0  
TWA Alarm 10.0  
Measurement Gas Isobutylene  
Calibration Time 6/19/2020 12:04  
Peak 0.0  
Min 0.0  
Average 0.0

\*\*\*\*\*

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	6/24/2020 08:31:05	0.0	0.0	0.0	0.0
002	6/24/2020 08:32:05	0.0	0.0	0.0	0.0
003	6/24/2020 08:33:05	0.0	0.0	0.0	0.0
004	6/24/2020 08:34:05	0.0	0.0	0.0	0.0
005	6/24/2020 08:35:05	0.0	0.0	0.0	0.0
006	6/24/2020 08:36:05	0.0	0.0	0.0	0.0
007	6/24/2020 08:37:05	0.0	0.0	0.0	0.0
008	6/24/2020 08:38:05	0.0	0.0	0.0	0.0
009	6/24/2020 08:39:05	0.0	0.0	0.0	0.0
010	6/24/2020 08:40:05	0.0	0.0	0.0	0.0
011	6/24/2020 08:41:05	0.0	0.0	0.0	0.0
012	6/24/2020 08:42:05	0.0	0.0	0.0	0.0
013	6/24/2020 08:43:05	0.0	0.0	0.0	0.0
014	6/24/2020 08:44:05	0.0	0.0	0.0	0.0
015	6/24/2020 08:45:05	0.0	0.0	0.0	0.0
016	6/24/2020 08:46:05	0.0	0.0	0.0	0.0
017	6/24/2020 08:47:05	0.0	0.0	0.0	0.0
018	6/24/2020 08:48:05	0.0	0.0	0.0	0.0



019	6/24/2020 08:49:05	0.0	0.0	0.0
020	6/24/2020 08:50:05	0.0	0.0	0.0
021	6/24/2020 08:51:05	0.0	0.0	0.0
022	6/24/2020 08:52:05	0.0	0.0	0.0
023	6/24/2020 08:53:05	0.0	0.0	0.0
024	6/24/2020 08:54:05	0.0	0.0	0.0
025	6/24/2020 08:55:05	0.0	0.0	0.0
026	6/24/2020 08:56:05	0.0	0.0	0.0
027	6/24/2020 08:57:05	0.0	0.0	0.0
028	6/24/2020 08:58:05	0.0	0.0	0.0
029	6/24/2020 08:59:05	0.0	0.0	0.0
030	6/24/2020 09:00:05	0.0	0.0	0.0
031	6/24/2020 09:01:05	0.0	0.0	0.0
032	6/24/2020 09:02:05	0.0	0.0	0.0
033	6/24/2020 09:03:05	0.0	0.0	0.0
034	6/24/2020 09:04:05	0.0	0.0	0.0
035	6/24/2020 09:05:05	0.0	0.0	0.0
036	6/24/2020 09:06:05	0.0	0.0	0.0
037	6/24/2020 09:07:05	0.0	0.0	0.0
038	6/24/2020 09:08:05	0.0	0.0	0.0
039	6/24/2020 09:09:05	0.0	0.0	0.0
040	6/24/2020 09:10:05	0.0	0.0	0.0
041	6/24/2020 09:11:05	0.0	0.0	0.0
042	6/24/2020 09:12:05	0.0	0.0	0.0
043	6/24/2020 09:13:05	0.0	0.0	0.0
044	6/24/2020 09:14:05	0.0	0.0	0.0
045	6/24/2020 09:15:05	0.0	0.0	0.0
046	6/24/2020 09:16:05	0.0	0.0	0.0
047	6/24/2020 09:17:05	0.0	0.0	0.0
048	6/24/2020 09:18:05	0.0	0.0	0.0
049	6/24/2020 09:19:05	0.0	0.0	0.0
050	6/24/2020 09:20:05	0.0	0.0	0.0
051	6/24/2020 09:21:05	0.0	0.0	0.0
052	6/24/2020 09:22:05	0.0	0.0	0.0
053	6/24/2020 09:23:05	0.0	0.0	0.0
054	6/24/2020 09:24:05	0.0	0.0	0.0
055	6/24/2020 09:25:05	0.0	0.0	0.0
056	6/24/2020 09:26:05	0.0	0.0	0.0
057	6/24/2020 09:27:05	0.0	0.0	0.0
058	6/24/2020 09:28:05	0.0	0.0	0.0
059	6/24/2020 09:29:05	0.0	0.0	0.0
060	6/24/2020 09:30:05	0.0	0.0	0.0
061	6/24/2020 09:31:05	0.0	0.0	0.0
062	6/24/2020 09:32:05	0.0	0.0	0.0
063	6/24/2020 09:33:05	0.0	0.0	0.0
064	6/24/2020 09:34:05	0.0	0.0	0.0
065	6/24/2020 09:35:05	0.0	0.0	0.0
066	6/24/2020 09:36:05	0.0	0.0	0.0
067	6/24/2020 09:37:05	0.0	0.0	0.0
068	6/24/2020 09:38:05	0.0	0.0	0.0

069	6/24/2020 09:39:05	0.0	0.0	0.0
070	6/24/2020 09:40:05	0.0	0.0	0.0
071	6/24/2020 09:41:05	0.0	0.0	0.0
072	6/24/2020 09:42:05	0.0	0.0	0.0
073	6/24/2020 09:43:05	0.0	0.0	0.0
074	6/24/2020 09:44:05	0.0	0.0	0.0
075	6/24/2020 09:45:05	0.0	0.0	0.0
076	6/24/2020 09:46:05	0.0	0.0	0.0
077	6/24/2020 09:47:05	0.0	0.0	0.0
078	6/24/2020 09:48:05	0.0	0.0	0.0
079	6/24/2020 09:49:05	0.0	0.0	0.0
080	6/24/2020 09:50:05	0.0	0.0	0.0
081	6/24/2020 09:51:05	0.0	0.0	0.0
082	6/24/2020 09:52:05	0.0	0.0	0.0
083	6/24/2020 09:53:05	0.0	0.0	0.0
084	6/24/2020 09:54:05	0.0	0.0	0.0
085	6/24/2020 09:55:05	0.0	0.0	0.0
086	6/24/2020 09:56:05	0.0	0.0	0.0
087	6/24/2020 09:57:05	0.0	0.0	0.0
088	6/24/2020 09:58:05	0.0	0.0	0.0
089	6/24/2020 09:59:05	0.0	0.0	0.0
090	6/24/2020 10:00:05	0.0	0.0	0.0
091	6/24/2020 10:01:05	0.0	0.0	0.0
092	6/24/2020 10:02:05	0.0	0.0	0.0
093	6/24/2020 10:03:05	0.0	0.0	0.0
094	6/24/2020 10:04:05	0.0	0.0	0.0
095	6/24/2020 10:05:05	0.0	0.0	0.0
096	6/24/2020 10:06:05	0.0	0.0	0.0
097	6/24/2020 10:07:05	0.0	0.0	0.0
098	6/24/2020 10:08:05	0.0	0.0	0.0
099	6/24/2020 10:09:05	0.0	0.0	0.0
100	6/24/2020 10:10:05	0.0	0.0	0.0
101	6/24/2020 10:11:05	0.0	0.0	0.0
102	6/24/2020 10:12:05	0.0	0.0	0.0
103	6/24/2020 10:13:05	0.0	0.0	0.0
104	6/24/2020 10:14:05	0.0	0.0	0.0
105	6/24/2020 10:15:05	0.0	0.0	0.0
106	6/24/2020 10:16:05	0.0	0.0	0.0
107	6/24/2020 10:17:05	0.0	0.0	0.0
108	6/24/2020 10:18:05	0.0	0.0	0.0
109	6/24/2020 10:19:05	0.0	0.0	0.0
110	6/24/2020 10:20:05	0.0	0.0	0.0
111	6/24/2020 10:21:05	0.0	0.0	0.0
112	6/24/2020 10:22:05	0.0	0.0	0.0
113	6/24/2020 10:23:05	0.0	0.0	0.0
114	6/24/2020 10:24:05	0.0	0.0	0.0
115	6/24/2020 10:25:05	0.0	0.0	0.0
116	6/24/2020 10:26:05	0.0	0.0	0.0
117	6/24/2020 10:27:05	0.0	0.0	0.0
118	6/24/2020 10:28:05	0.0	0.0	0.0

119	6/24/2020	10:29:05	0.0	0.0	0.0
120	6/24/2020	10:30:05	0.0	0.0	0.0
121	6/24/2020	10:31:05	0.0	0.0	0.0
122	6/24/2020	10:32:05	0.0	0.0	0.0
123	6/24/2020	10:33:05	0.0	0.0	0.0
124	6/24/2020	10:34:05	0.0	0.0	0.0
125	6/24/2020	10:35:05	0.0	0.0	0.0
126	6/24/2020	10:36:05	0.0	0.0	0.0
127	6/24/2020	10:37:05	0.0	0.0	0.0
128	6/24/2020	10:38:05	0.0	0.0	0.0
129	6/24/2020	10:39:05	0.0	0.0	0.0
130	6/24/2020	10:40:05	0.0	0.0	0.0
131	6/24/2020	10:41:05	0.0	0.0	0.0
132	6/24/2020	10:42:05	0.0	0.0	0.0
133	6/24/2020	10:43:05	0.0	0.0	0.0
134	6/24/2020	10:44:05	0.0	0.0	0.0
135	6/24/2020	10:45:05	0.0	0.0	0.0
136	6/24/2020	10:46:05	0.0	0.0	0.0
137	6/24/2020	10:47:05	0.0	0.0	0.0
138	6/24/2020	10:48:05	0.0	0.0	0.0
139	6/24/2020	10:49:05	0.0	0.0	0.0
140	6/24/2020	10:50:05	0.0	0.0	0.0
141	6/24/2020	10:51:05	0.0	0.0	0.0
142	6/24/2020	10:52:05	0.0	0.0	0.0
143	6/24/2020	10:53:05	0.0	0.0	0.0
144	6/24/2020	10:54:05	0.0	0.0	0.0
145	6/24/2020	10:55:05	0.0	0.0	0.0
146	6/24/2020	10:56:05	0.0	0.0	0.0
147	6/24/2020	10:57:05	0.0	0.0	0.0
148	6/24/2020	10:58:05	0.0	0.0	0.0
149	6/24/2020	10:59:05	0.0	0.0	0.0
150	6/24/2020	11:00:05	0.0	0.0	0.0
151	6/24/2020	11:01:05	0.0	0.0	0.0
152	6/24/2020	11:02:05	0.0	0.0	0.0
153	6/24/2020	11:03:05	0.0	0.0	0.0
154	6/24/2020	11:04:05	0.0	0.0	0.0
155	6/24/2020	11:05:05	0.0	0.0	0.0
156	6/24/2020	11:06:05	0.0	0.0	0.0
157	6/24/2020	11:07:05	0.0	0.0	0.0
158	6/24/2020	11:08:05	0.0	0.0	0.0
159	6/24/2020	11:09:05	0.0	0.0	0.0
160	6/24/2020	11:10:05	0.0	0.0	0.0
161	6/24/2020	11:11:05	0.0	0.0	0.0
162	6/24/2020	11:12:05	0.0	0.0	0.0
163	6/24/2020	11:13:05	0.0	0.0	0.0
164	6/24/2020	11:14:05	0.0	0.0	0.0
165	6/24/2020	11:15:05	0.0	0.0	0.0
166	6/24/2020	11:16:05	0.0	0.0	0.0
167	6/24/2020	11:17:05	0.0	0.0	0.0
168	6/24/2020	11:18:05	0.0	0.0	0.0



169	6/24/2020	11:19:05	0.0	0.0	0.0
170	6/24/2020	11:20:05	0.0	0.0	0.0
171	6/24/2020	11:21:05	0.0	0.0	0.0
172	6/24/2020	11:22:05	0.0	0.0	0.0
173	6/24/2020	11:23:05	0.0	0.0	0.0
174	6/24/2020	11:24:05	0.0	0.0	0.0
175	6/24/2020	11:25:05	0.0	0.0	0.0
176	6/24/2020	11:26:05	0.0	0.0	0.0
177	6/24/2020	11:27:05	0.0	0.0	0.0
178	6/24/2020	11:28:05	0.0	0.0	0.0
179	6/24/2020	11:29:05	0.0	0.0	0.0
180	6/24/2020	11:30:05	0.0	0.0	0.0
181	6/24/2020	11:31:05	0.0	0.0	0.0
182	6/24/2020	11:32:05	0.0	0.0	0.0
183	6/24/2020	11:33:05	0.0	0.0	0.0
184	6/24/2020	11:34:05	0.0	0.0	0.0
185	6/24/2020	11:35:05	0.0	0.0	0.0
186	6/24/2020	11:36:05	0.0	0.0	0.0
187	6/24/2020	11:37:05	0.0	0.0	0.0
188	6/24/2020	11:38:05	0.0	0.0	0.0
189	6/24/2020	11:39:05	0.0	0.0	0.0
190	6/24/2020	11:40:05	0.0	0.0	0.0
191	6/24/2020	11:41:05	0.0	0.0	0.0
192	6/24/2020	11:42:05	0.0	0.0	0.0
193	6/24/2020	11:43:05	0.0	0.0	0.0
194	6/24/2020	11:44:05	0.0	0.0	0.0
195	6/24/2020	11:45:05	0.0	0.0	0.0
196	6/24/2020	11:46:05	0.0	0.0	0.0
197	6/24/2020	11:47:05	0.0	0.0	0.0
198	6/24/2020	11:48:05	0.0	0.0	0.0
199	6/24/2020	11:49:05	0.0	0.0	0.0
200	6/24/2020	11:50:05	0.0	0.0	0.0
201	6/24/2020	11:51:05	0.0	0.0	0.0
202	6/24/2020	11:52:05	0.0	0.0	0.0
203	6/24/2020	11:53:05	0.0	0.0	0.0
204	6/24/2020	11:54:05	0.0	0.0	0.0
205	6/24/2020	11:55:05	0.0	0.0	0.0
206	6/24/2020	11:56:05	0.0	0.0	0.0
207	6/24/2020	11:57:05	0.0	0.0	0.0
208	6/24/2020	11:58:05	0.0	0.0	0.0
209	6/24/2020	11:59:05	0.0	0.0	0.0
210	6/24/2020	12:00:05	0.0	0.0	0.0
211	6/24/2020	12:01:05	0.0	0.0	0.0
212	6/24/2020	12:02:05	0.0	0.0	0.0
213	6/24/2020	12:03:05	0.0	0.0	0.0
214	6/24/2020	12:04:05	0.0	0.0	0.0
215	6/24/2020	12:05:05	0.0	0.0	0.0
216	6/24/2020	12:06:05	0.0	0.0	0.0
217	6/24/2020	12:07:05	0.0	0.0	0.0
218	6/24/2020	12:08:05	0.0	0.0	0.0

219	6/24/2020	12:09:05	0.0	0.0	0.0
220	6/24/2020	12:10:05	0.0	0.0	0.0
221	6/24/2020	12:11:05	0.0	0.0	0.0
222	6/24/2020	12:12:05	0.0	0.0	0.0
223	6/24/2020	12:13:05	0.0	0.0	0.0
224	6/24/2020	12:14:05	0.0	0.0	0.0
225	6/24/2020	12:15:05	0.0	0.0	0.0
226	6/24/2020	12:16:05	0.0	0.0	0.0
227	6/24/2020	12:17:05	0.0	0.0	0.0
228	6/24/2020	12:18:05	0.0	0.0	0.0
229	6/24/2020	12:19:05	0.0	0.0	0.0
230	6/24/2020	12:20:05	0.0	0.0	0.0
231	6/24/2020	12:21:05	0.0	0.0	0.0
232	6/24/2020	12:22:05	0.0	0.0	0.0
233	6/24/2020	12:23:05	0.0	0.0	0.0
234	6/24/2020	12:24:05	0.0	0.0	0.0
235	6/24/2020	12:25:05	0.0	0.0	0.0
236	6/24/2020	12:26:05	0.0	0.0	0.0
237	6/24/2020	12:27:05	0.0	0.0	0.0
238	6/24/2020	12:28:05	0.0	0.0	0.0
239	6/24/2020	12:29:05	0.0	0.0	0.0
240	6/24/2020	12:30:05	0.0	0.0	0.0
241	6/24/2020	12:31:05	0.0	0.0	0.0
242	6/24/2020	12:32:05	0.0	0.0	0.0
243	6/24/2020	12:33:05	0.0	0.0	0.0
244	6/24/2020	12:34:05	0.0	0.0	0.0
245	6/24/2020	12:35:05	0.0	0.0	0.0
246	6/24/2020	12:36:05	0.0	0.0	0.0
247	6/24/2020	12:37:05	0.0	0.0	0.0
248	6/24/2020	12:38:05	0.0	0.0	0.0
249	6/24/2020	12:39:05	0.0	0.0	0.0
250	6/24/2020	12:40:05	0.0	0.0	0.0
251	6/24/2020	12:41:05	0.0	0.0	0.0
252	6/24/2020	12:42:05	0.0	0.0	0.0
253	6/24/2020	12:43:05	0.0	0.0	0.0
254	6/24/2020	12:44:05	0.0	0.0	0.0
255	6/24/2020	12:45:05	0.0	0.0	0.0
256	6/24/2020	12:46:05	0.0	0.0	0.0
257	6/24/2020	12:47:05	0.0	0.0	0.0
258	6/24/2020	12:48:05	0.0	0.0	0.0
259	6/24/2020	12:49:05	0.0	0.0	0.0
260	6/24/2020	12:50:05	0.0	0.0	0.0
261	6/24/2020	12:51:05	0.0	0.0	0.0
262	6/24/2020	12:52:05	0.0	0.0	0.0
263	6/24/2020	12:53:05	0.0	0.0	0.0
264	6/24/2020	12:54:05	0.0	0.0	0.0
265	6/24/2020	12:55:05	0.0	0.0	0.0
266	6/24/2020	12:56:05	0.0	0.0	0.0
267	6/24/2020	12:57:05	0.0	0.0	0.0
268	6/24/2020	12:58:05	0.0	0.0	0.0



269	6/24/2020	12:59:05	0.0	0.0	0.0
270	6/24/2020	13:00:05	0.0	0.0	0.0
271	6/24/2020	13:01:05	0.0	0.0	0.0
272	6/24/2020	13:02:05	0.0	0.0	0.0
273	6/24/2020	13:03:05	0.0	0.0	0.0
274	6/24/2020	13:04:05	0.0	0.0	0.0
275	6/24/2020	13:05:05	0.0	0.0	0.0
276	6/24/2020	13:06:05	0.0	0.0	0.0
277	6/24/2020	13:07:05	0.0	0.0	0.0
278	6/24/2020	13:08:05	0.0	0.0	0.0
279	6/24/2020	13:09:05	0.0	0.0	0.0
280	6/24/2020	13:10:05	0.0	0.0	0.0
281	6/24/2020	13:11:05	0.0	0.0	0.0
282	6/24/2020	13:12:05	0.0	0.0	0.0
283	6/24/2020	13:13:05	0.0	0.0	0.0
284	6/24/2020	13:14:05	0.0	0.0	0.0
285	6/24/2020	13:15:05	0.0	0.0	0.0
286	6/24/2020	13:16:05	0.0	0.0	0.0
287	6/24/2020	13:17:05	0.0	0.0	0.0
288	6/24/2020	13:18:05	0.0	0.0	0.0
289	6/24/2020	13:19:05	0.0	0.0	0.0
290	6/24/2020	13:20:05	0.0	0.0	0.0
291	6/24/2020	13:21:05	0.0	0.0	0.0
292	6/24/2020	13:22:05	0.0	0.0	0.0
293	6/24/2020	13:23:05	0.0	0.0	0.0
294	6/24/2020	13:24:05	0.0	0.0	0.0
295	6/24/2020	13:25:05	0.0	0.0	0.0
296	6/24/2020	13:26:05	0.0	0.0	0.0
297	6/24/2020	13:27:05	0.0	0.0	0.0
298	6/24/2020	13:28:05	0.0	0.0	0.0
299	6/24/2020	13:29:05	0.0	0.0	0.0
300	6/24/2020	13:30:05	0.0	0.0	0.0
301	6/24/2020	13:31:05	0.0	0.0	0.0
302	6/24/2020	13:32:05	0.0	0.0	0.0
303	6/24/2020	13:33:05	0.0	0.0	0.0
304	6/24/2020	13:34:05	0.0	0.0	0.0
305	6/24/2020	13:35:05	0.0	0.0	0.0
306	6/24/2020	13:36:05	0.0	0.0	0.0
307	6/24/2020	13:37:05	0.0	0.0	0.0
308	6/24/2020	13:38:05	0.0	0.0	0.0
309	6/24/2020	13:39:05	0.0	0.0	0.0
310	6/24/2020	13:40:05	0.0	0.0	0.0
311	6/24/2020	13:41:05	0.0	0.0	0.0
312	6/24/2020	13:42:05	0.0	0.0	0.0
313	6/24/2020	13:43:05	0.0	0.0	0.0
314	6/24/2020	13:44:05	0.0	0.0	0.0
315	6/24/2020	13:45:05	0.0	0.0	0.0
316	6/24/2020	13:46:05	0.0	0.0	0.0
317	6/24/2020	13:47:05	0.0	0.0	0.0
318	6/24/2020	13:48:05	0.0	0.0	0.0

319	6/24/2020	13:49:05	0.0	0.0	0.0
320	6/24/2020	13:50:05	0.0	0.0	0.0
321	6/24/2020	13:51:05	0.0	0.0	0.0
322	6/24/2020	13:52:05	0.0	0.0	0.0
323	6/24/2020	13:53:05	0.0	0.0	0.0
324	6/24/2020	13:54:05	0.0	0.0	0.0
325	6/24/2020	13:55:05	0.0	0.0	0.0
326	6/24/2020	13:56:05	0.0	0.0	0.0
327	6/24/2020	13:57:05	0.0	0.0	0.0
328	6/24/2020	13:58:05	0.0	0.0	0.0
329	6/24/2020	13:59:05	0.0	0.0	0.0
330	6/24/2020	14:00:05	0.0	0.0	0.0
331	6/24/2020	14:01:05	0.0	0.0	0.0
332	6/24/2020	14:02:05	0.0	0.0	0.0
333	6/24/2020	14:03:05	0.0	0.0	0.0
334	6/24/2020	14:04:05	0.0	0.0	0.0
335	6/24/2020	14:05:05	0.0	0.0	0.0
336	6/24/2020	14:06:05	0.0	0.0	0.0
337	6/24/2020	14:07:05	0.0	0.0	0.0
338	6/24/2020	14:08:05	0.0	0.0	0.0
339	6/24/2020	14:09:05	0.0	0.0	0.0
340	6/24/2020	14:10:05	0.0	0.0	0.0
341	6/24/2020	14:11:05	0.0	0.0	0.0
342	6/24/2020	14:12:05	0.0	0.0	0.0
343	6/24/2020	14:13:05	0.0	0.0	0.0
344	6/24/2020	14:14:05	0.0	0.0	0.0
345	6/24/2020	14:15:05	0.0	0.0	0.0
346	6/24/2020	14:16:05	0.0	0.0	0.0
347	6/24/2020	14:17:05	0.0	0.0	0.0
348	6/24/2020	14:18:05	0.0	0.0	0.0
349	6/24/2020	14:19:05	0.0	0.0	0.0
350	6/24/2020	14:20:05	0.0	0.0	0.0
351	6/24/2020	14:21:05	0.0	0.0	0.0
352	6/24/2020	14:22:05	0.0	0.0	0.0
353	6/24/2020	14:23:05	0.0	0.0	0.0
354	6/24/2020	14:24:05	0.0	0.0	0.0
355	6/24/2020	14:25:05	0.0	0.0	0.0
356	6/24/2020	14:26:05	0.0	0.0	0.0
357	6/24/2020	14:27:05	0.0	0.0	0.0
358	6/24/2020	14:28:05	0.0	0.0	0.0
359	6/24/2020	14:29:05	0.0	0.0	0.0
360	6/24/2020	14:30:05	0.0	0.0	0.0
361	6/24/2020	14:31:05	0.0	0.0	0.0
362	6/24/2020	14:32:05	0.0	0.0	0.0
363	6/24/2020	14:33:05	0.0	0.0	0.0
364	6/24/2020	14:34:05	0.0	0.0	0.0
365	6/24/2020	14:35:05	0.0	0.0	0.0
366	6/24/2020	14:36:05	0.0	0.0	0.0
367	6/24/2020	14:37:05	0.0	0.0	0.0
368	6/24/2020	14:38:05	0.0	0.0	0.0



369	6/24/2020	14:39:05	0.0	0.0	0.0
370	6/24/2020	14:40:05	0.0	0.0	0.0
371	6/24/2020	14:41:05	0.0	0.0	0.0
372	6/24/2020	14:42:05	0.0	0.0	0.0
373	6/24/2020	14:43:05	0.0	0.0	0.0
374	6/24/2020	14:44:05	0.0	0.0	0.0
375	6/24/2020	14:45:05	0.0	0.0	0.0
376	6/24/2020	14:46:05	0.0	0.0	0.0
377	6/24/2020	14:47:05	0.0	0.0	0.0
378	6/24/2020	14:48:05	0.0	0.0	0.0
379	6/24/2020	14:49:05	0.0	0.0	0.0
380	6/24/2020	14:50:05	0.0	0.0	0.0
381	6/24/2020	14:51:05	0.0	0.0	0.0
382	6/24/2020	14:52:05	0.0	0.0	0.0
383	6/24/2020	14:53:05	0.0	0.0	0.0
384	6/24/2020	14:54:05	0.0	0.0	0.0
385	6/24/2020	14:55:05	0.0	0.0	0.0
386	6/24/2020	14:56:05	0.0	0.0	0.0
387	6/24/2020	14:57:05	0.0	0.0	0.0
388	6/24/2020	14:58:05	0.0	0.0	0.0
389	6/24/2020	14:59:05	0.0	0.0	0.0
390	6/24/2020	15:00:05	0.0	0.0	0.0
391	6/24/2020	15:01:05	0.0	0.0	0.0
392	6/24/2020	15:02:05	0.0	0.0	0.0
393	6/24/2020	15:03:05	0.0	0.0	0.0
394	6/24/2020	15:04:05	0.0	0.0	0.0
395	6/24/2020	15:05:05	0.0	0.0	0.0
396	6/24/2020	15:06:05	0.0	0.0	0.0
397	6/24/2020	15:07:05	0.0	0.0	0.0
398	6/24/2020	15:08:05	0.0	0.0	0.0
399	6/24/2020	15:09:05	0.0	0.0	0.0
400	6/24/2020	15:10:05	0.0	0.0	0.0
401	6/24/2020	15:11:05	0.0	0.0	0.0
402	6/24/2020	15:12:05	0.0	0.0	0.0
403	6/24/2020	15:13:05	0.0	0.0	0.0
404	6/24/2020	15:14:05	0.0	0.0	0.0
405	6/24/2020	15:15:05	0.0	0.0	0.0
406	6/24/2020	15:16:05	0.0	0.0	0.0
407	6/24/2020	15:17:05	0.0	0.0	0.0
408	6/24/2020	15:18:05	0.0	0.0	0.0
409	6/24/2020	15:19:05	0.0	0.0	0.0
410	6/24/2020	15:20:05	0.0	0.0	0.0
411	6/24/2020	15:21:05	0.0	0.0	0.0
412	6/24/2020	15:22:05	0.0	0.0	0.0
413	6/24/2020	15:23:05	0.0	0.0	0.0
414	6/24/2020	15:24:05	0.0	0.0	0.0
415	6/24/2020	15:25:05	0.0	0.0	0.0
416	6/24/2020	15:26:05	0.0	0.0	0.0
417	6/24/2020	15:27:05	0.0	0.0	0.0
418	6/24/2020	15:28:05	0.0	0.0	0.0

419	6/24/2020	15:29:05	0.0	0.0	0.0
420	6/24/2020	15:30:05	0.0	0.0	0.0
421	6/24/2020	15:31:05	0.0	0.0	0.0
422	6/24/2020	15:32:05	0.0	0.0	0.0
423	6/24/2020	15:33:05	0.0	0.0	0.0
424	6/24/2020	15:34:05	0.0	0.0	0.0
425	6/24/2020	15:35:05	0.0	0.0	0.0
426	6/24/2020	15:36:05	0.0	0.0	0.0
427	6/24/2020	15:37:05	0.0	0.0	0.0
428	6/24/2020	15:38:05	0.0	0.0	0.0
429	6/24/2020	15:39:05	0.0	0.0	0.0
430	6/24/2020	15:40:05	0.0	0.0	0.0
431	6/24/2020	15:41:05	0.0	0.0	0.0
432	6/24/2020	15:42:05	0.0	0.0	0.0
433	6/24/2020	15:43:05	0.0	0.0	0.0
434	6/24/2020	15:44:05	0.0	0.0	0.0
435	6/24/2020	15:45:05	0.0	0.0	0.0
436	6/24/2020	15:46:05	0.0	0.0	0.0
437	6/24/2020	15:47:05	0.0	0.0	0.0
438	6/24/2020	15:48:05	0.0	0.0	0.0
439	6/24/2020	15:49:05	0.0	0.0	0.0
440	6/24/2020	15:50:05	0.0	0.0	0.0
441	6/24/2020	15:51:05	0.0	0.0	0.0
442	6/24/2020	15:52:05	0.0	0.0	0.0
443	6/24/2020	15:53:05	0.0	0.0	0.0
444	6/24/2020	15:54:05	0.0	0.0	0.0
445	6/24/2020	15:55:05	0.0	0.0	0.0
446	6/24/2020	15:56:05	0.0	0.0	0.0
447	6/24/2020	15:57:05	0.0	0.0	0.0
448	6/24/2020	15:58:05	0.0	0.0	0.0
449	6/24/2020	15:59:05	0.0	0.0	0.0
450	6/24/2020	16:00:05	0.0	0.0	0.0
451	6/24/2020	16:01:05	0.0	0.0	0.0
452	6/24/2020	16:02:05	0.0	0.0	0.0
453	6/24/2020	16:03:05	0.0	0.0	0.0
454	6/24/2020	16:04:05	0.0	0.0	0.0
455	6/24/2020	16:05:05	0.0	0.0	0.0
456	6/24/2020	16:06:05	0.0	0.0	0.0
457	6/24/2020	16:07:05	0.0	0.0	0.0
458	6/24/2020	16:08:05	0.0	0.0	0.0
459	6/24/2020	16:09:05	0.0	0.0	0.0
460	6/24/2020	16:10:05	0.0	0.0	0.0
461	6/24/2020	16:11:05	0.0	0.0	0.0
462	6/24/2020	16:12:05	0.0	0.0	0.0
463	6/24/2020	16:13:05	0.0	0.0	0.0
464	6/24/2020	16:14:05	0.0	0.0	0.0
465	6/24/2020	16:15:05	0.0	0.0	0.0
466	6/24/2020	16:16:05	0.0	0.0	0.0
467	6/24/2020	16:17:05	0.0	0.0	0.0
468	6/24/2020	16:18:05	0.0	0.0	0.0



469	6/24/2020	16:19:05	0.0	0.0	0.0
470	6/24/2020	16:20:05	0.0	0.0	0.0
471	6/24/2020	16:21:05	0.0	0.0	0.0
472	6/24/2020	16:22:05	0.0	0.0	0.0
473	6/24/2020	16:23:05	0.0	0.0	0.0
474	6/24/2020	16:24:05	0.0	0.0	0.0
475	6/24/2020	16:25:05	0.0	0.0	0.0
476	6/24/2020	16:26:05	0.0	0.0	0.0
477	6/24/2020	16:27:05	0.0	0.0	0.0
478	6/24/2020	16:28:05	0.0	0.0	0.0
479	6/24/2020	16:29:05	0.0	0.0	0.0
480	6/24/2020	16:30:05	0.0	0.0	0.0
481	6/24/2020	16:31:05	0.0	0.0	0.0
482	6/24/2020	16:32:05	0.0	0.0	0.0
483	6/24/2020	16:33:05	0.0	0.0	0.0
484	6/24/2020	16:34:05	0.0	0.0	0.0
485	6/24/2020	16:35:05	0.0	0.0	0.0
486	6/24/2020	16:36:05	0.0	0.0	0.0
487	6/24/2020	16:37:05	0.0	0.0	0.0
488	6/24/2020	16:38:05	0.0	0.0	0.0
489	6/24/2020	16:39:05	0.0	0.0	0.0
490	6/24/2020	16:40:05	0.0	0.0	0.0
491	6/24/2020	16:41:05	0.0	0.0	0.0
492	6/24/2020	16:42:05	0.0	0.0	0.0
493	6/24/2020	16:43:05	0.0	0.0	0.0
494	6/24/2020	16:44:05	0.0	0.0	0.0
495	6/24/2020	16:45:05	0.0	0.0	0.0
496	6/24/2020	16:46:05	0.0	0.0	0.0
497	6/24/2020	16:47:05	0.0	0.0	0.0
498	6/24/2020	16:48:05	0.0	0.0	0.0
499	6/24/2020	16:49:05	0.0	0.0	0.0
500	6/24/2020	16:50:05	0.0	0.0	0.0
501	6/24/2020	16:51:05	0.0	0.0	0.0
502	6/24/2020	16:52:05	0.0	0.0	0.0
503	6/24/2020	16:53:05	0.0	0.0	0.0
504	6/24/2020	16:54:05	0.0	0.0	0.0
505	6/24/2020	16:55:05	0.0	0.0	0.0
506	6/24/2020	16:56:05	0.0	0.0	0.0
507	6/24/2020	16:57:05	0.0	0.0	0.0
508	6/24/2020	16:58:05	0.0	0.0	0.0
509	6/24/2020	16:59:05	0.0	0.0	0.0
510	6/24/2020	17:00:05	0.0	0.0	0.0
511	6/24/2020	17:01:05	0.0	0.0	0.0
512	6/24/2020	17:02:05	0.0	0.0	0.0
513	6/24/2020	17:03:05	0.0	0.0	0.0
514	6/24/2020	17:04:05	0.0	0.0	0.0
515	6/24/2020	17:05:05	0.0	0.0	0.0
516	6/24/2020	17:06:05	0.0	0.0	0.0
517	6/24/2020	17:07:05	0.0	0.0	0.0
518	6/24/2020	17:08:05	0.0	0.0	0.0

519	6/24/2020	17:09:05	0.0	0.0	0.0
520	6/24/2020	17:10:05	0.0	0.0	0.0
521	6/24/2020	17:11:05	0.0	0.0	0.0
522	6/24/2020	17:12:05	0.0	0.0	0.0
523	6/24/2020	17:13:05	0.0	0.0	0.0
524	6/24/2020	17:14:05	0.0	0.0	0.0
525	6/24/2020	17:15:05	0.0	0.0	0.0
526	6/24/2020	17:16:05	0.0	0.0	0.0
527	6/24/2020	17:17:05	0.0	0.0	0.0
528	6/24/2020	17:18:05	0.0	0.0	0.0
529	6/24/2020	17:19:05	0.0	0.0	0.0
530	6/24/2020	17:20:05	0.0	0.0	0.0
531	6/24/2020	17:21:05	0.0	0.0	0.0
532	6/24/2020	17:22:05	0.0	0.0	0.0
533	6/24/2020	17:23:05	0.0	0.0	0.0
534	6/24/2020	17:24:05	0.0	0.0	0.0
535	6/24/2020	17:25:05	0.0	0.0	0.0
536	6/24/2020	17:26:05	0.0	0.0	0.0
537	6/24/2020	17:27:05	0.0	0.0	0.0
538	6/24/2020	17:28:05	0.0	0.0	0.0
539	6/24/2020	17:29:05	0.0	0.0	0.0
540	6/24/2020	17:30:05	0.0	0.0	0.0
541	6/24/2020	17:31:05	0.0	0.0	0.0
542	6/24/2020	17:32:05	0.0	0.0	0.0
Peak		0.0	0.0	0.0	
Min		0.0	0.0	0.0	
Average		0.0	0.0	0.0	

\*\*\*\*\*

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	6/24/2020 08:31:05	0.0	---
002	6/24/2020 08:32:05	0.0	---
003	6/24/2020 08:33:05	0.0	---
004	6/24/2020 08:34:05	0.0	---
005	6/24/2020 08:35:05	0.0	---
006	6/24/2020 08:36:05	0.0	---
007	6/24/2020 08:37:05	0.0	---
008	6/24/2020 08:38:05	0.0	---
009	6/24/2020 08:39:05	0.0	---
010	6/24/2020 08:40:05	0.0	---
011	6/24/2020 08:41:05	0.0	---
012	6/24/2020 08:42:05	0.0	---
013	6/24/2020 08:43:05	0.0	---
014	6/24/2020 08:44:05	0.0	---
015	6/24/2020 08:45:05	0.0	0.0
016	6/24/2020 08:46:05	0.0	0.0
017	6/24/2020 08:47:05	0.0	0.0
018	6/24/2020 08:48:05	0.0	0.0



019	6/24/2020 08:49:05	0.0	0.0
020	6/24/2020 08:50:05	0.0	0.0
021	6/24/2020 08:51:05	0.0	0.0
022	6/24/2020 08:52:05	0.0	0.0
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067	6/24/2020 09:37:05	0.0	0.0
068	6/24/2020 09:38:05	0.0	0.0

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092	6/24/2020 10:02:05	0.0	0.0
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379	6/24/2020	14:49:05	0.0	0.0
380	6/24/2020	14:50:05	0.0	0.0
381	6/24/2020	14:51:05	0.0	0.0
382	6/24/2020	14:52:05	0.0	0.0
383	6/24/2020	14:53:05	0.0	0.0
384	6/24/2020	14:54:05	0.0	0.0
385	6/24/2020	14:55:05	0.0	0.0
386	6/24/2020	14:56:05	0.0	0.0
387	6/24/2020	14:57:05	0.0	0.0
388	6/24/2020	14:58:05	0.0	0.0
389	6/24/2020	14:59:05	0.0	0.0
390	6/24/2020	15:00:05	0.0	0.0
391	6/24/2020	15:01:05	0.0	0.0
392	6/24/2020	15:02:05	0.0	0.0
393	6/24/2020	15:03:05	0.0	0.0
394	6/24/2020	15:04:05	0.0	0.0
395	6/24/2020	15:05:05	0.0	0.0
396	6/24/2020	15:06:05	0.0	0.0
397	6/24/2020	15:07:05	0.0	0.0
398	6/24/2020	15:08:05	0.0	0.0
399	6/24/2020	15:09:05	0.0	0.0
400	6/24/2020	15:10:05	0.0	0.0
401	6/24/2020	15:11:05	0.0	0.0
402	6/24/2020	15:12:05	0.0	0.0
403	6/24/2020	15:13:05	0.0	0.0
404	6/24/2020	15:14:05	0.0	0.0
405	6/24/2020	15:15:05	0.0	0.0
406	6/24/2020	15:16:05	0.0	0.0
407	6/24/2020	15:17:05	0.0	0.0
408	6/24/2020	15:18:05	0.0	0.0
409	6/24/2020	15:19:05	0.0	0.0
410	6/24/2020	15:20:05	0.0	0.0
411	6/24/2020	15:21:05	0.0	0.0
412	6/24/2020	15:22:05	0.0	0.0
413	6/24/2020	15:23:05	0.0	0.0
414	6/24/2020	15:24:05	0.0	0.0
415	6/24/2020	15:25:05	0.0	0.0
416	6/24/2020	15:26:05	0.0	0.0
417	6/24/2020	15:27:05	0.0	0.0
418	6/24/2020	15:28:05	0.0	0.0



419	6/24/2020	15:29:05	0.0	0.0
420	6/24/2020	15:30:05	0.0	0.0
421	6/24/2020	15:31:05	0.0	0.0
422	6/24/2020	15:32:05	0.0	0.0
423	6/24/2020	15:33:05	0.0	0.0
424	6/24/2020	15:34:05	0.0	0.0
425	6/24/2020	15:35:05	0.0	0.0
426	6/24/2020	15:36:05	0.0	0.0
427	6/24/2020	15:37:05	0.0	0.0
428	6/24/2020	15:38:05	0.0	0.0
429	6/24/2020	15:39:05	0.0	0.0
430	6/24/2020	15:40:05	0.0	0.0
431	6/24/2020	15:41:05	0.0	0.0
432	6/24/2020	15:42:05	0.0	0.0
433	6/24/2020	15:43:05	0.0	0.0
434	6/24/2020	15:44:05	0.0	0.0
435	6/24/2020	15:45:05	0.0	0.0
436	6/24/2020	15:46:05	0.0	0.0
437	6/24/2020	15:47:05	0.0	0.0
438	6/24/2020	15:48:05	0.0	0.0
439	6/24/2020	15:49:05	0.0	0.0
440	6/24/2020	15:50:05	0.0	0.0
441	6/24/2020	15:51:05	0.0	0.0
442	6/24/2020	15:52:05	0.0	0.0
443	6/24/2020	15:53:05	0.0	0.0
444	6/24/2020	15:54:05	0.0	0.0
445	6/24/2020	15:55:05	0.0	0.0
446	6/24/2020	15:56:05	0.0	0.0
447	6/24/2020	15:57:05	0.0	0.0
448	6/24/2020	15:58:05	0.0	0.0
449	6/24/2020	15:59:05	0.0	0.0
450	6/24/2020	16:00:05	0.0	0.0
451	6/24/2020	16:01:05	0.0	0.0
452	6/24/2020	16:02:05	0.0	0.0
453	6/24/2020	16:03:05	0.0	0.0
454	6/24/2020	16:04:05	0.0	0.0
455	6/24/2020	16:05:05	0.0	0.0
456	6/24/2020	16:06:05	0.0	0.0
457	6/24/2020	16:07:05	0.0	0.0
458	6/24/2020	16:08:05	0.0	0.0
459	6/24/2020	16:09:05	0.0	0.0
460	6/24/2020	16:10:05	0.0	0.0
461	6/24/2020	16:11:05	0.0	0.0
462	6/24/2020	16:12:05	0.0	0.0
463	6/24/2020	16:13:05	0.0	0.0
464	6/24/2020	16:14:05	0.0	0.0
465	6/24/2020	16:15:05	0.0	0.0
466	6/24/2020	16:16:05	0.0	0.0
467	6/24/2020	16:17:05	0.0	0.0
468	6/24/2020	16:18:05	0.0	0.0

469	6/24/2020	16:19:05	0.0	0.0
470	6/24/2020	16:20:05	0.0	0.0
471	6/24/2020	16:21:05	0.0	0.0
472	6/24/2020	16:22:05	0.0	0.0
473	6/24/2020	16:23:05	0.0	0.0
474	6/24/2020	16:24:05	0.0	0.0
475	6/24/2020	16:25:05	0.0	0.0
476	6/24/2020	16:26:05	0.0	0.0
477	6/24/2020	16:27:05	0.0	0.0
478	6/24/2020	16:28:05	0.0	0.0
479	6/24/2020	16:29:05	0.0	0.0
480	6/24/2020	16:30:05	0.0	0.0
481	6/24/2020	16:31:05	0.0	0.0
482	6/24/2020	16:32:05	0.0	0.0
483	6/24/2020	16:33:05	0.0	0.0
484	6/24/2020	16:34:05	0.0	0.0
485	6/24/2020	16:35:05	0.0	0.0
486	6/24/2020	16:36:05	0.0	0.0
487	6/24/2020	16:37:05	0.0	0.0
488	6/24/2020	16:38:05	0.0	0.0
489	6/24/2020	16:39:05	0.0	0.0
490	6/24/2020	16:40:05	0.0	0.0
491	6/24/2020	16:41:05	0.0	0.0
492	6/24/2020	16:42:05	0.0	0.0
493	6/24/2020	16:43:05	0.0	0.0
494	6/24/2020	16:44:05	0.0	0.0
495	6/24/2020	16:45:05	0.0	0.0
496	6/24/2020	16:46:05	0.0	0.0
497	6/24/2020	16:47:05	0.0	0.0
498	6/24/2020	16:48:05	0.0	0.0
499	6/24/2020	16:49:05	0.0	0.0
500	6/24/2020	16:50:05	0.0	0.0
501	6/24/2020	16:51:05	0.0	0.0
502	6/24/2020	16:52:05	0.0	0.0
503	6/24/2020	16:53:05	0.0	0.0
504	6/24/2020	16:54:05	0.0	0.0
505	6/24/2020	16:55:05	0.0	0.0
506	6/24/2020	16:56:05	0.0	0.0
507	6/24/2020	16:57:05	0.0	0.0
508	6/24/2020	16:58:05	0.0	0.0
509	6/24/2020	16:59:05	0.0	0.0
510	6/24/2020	17:00:05	0.0	0.0
511	6/24/2020	17:01:05	0.0	0.0
512	6/24/2020	17:02:05	0.0	0.0
513	6/24/2020	17:03:05	0.0	0.0
514	6/24/2020	17:04:05	0.0	0.0
515	6/24/2020	17:05:05	0.0	0.0
516	6/24/2020	17:06:05	0.0	0.0
517	6/24/2020	17:07:05	0.0	0.0
518	6/24/2020	17:08:05	0.0	0.0



519	6/24/2020	17:09:05	0.0	0.0
520	6/24/2020	17:10:05	0.0	0.0
521	6/24/2020	17:11:05	0.0	0.0
522	6/24/2020	17:12:05	0.0	0.0
523	6/24/2020	17:13:05	0.0	0.0
524	6/24/2020	17:14:05	0.0	0.0
525	6/24/2020	17:15:05	0.0	0.0
526	6/24/2020	17:16:05	0.0	0.0
527	6/24/2020	17:17:05	0.0	0.0
528	6/24/2020	17:18:05	0.0	0.0
529	6/24/2020	17:19:05	0.0	0.0
530	6/24/2020	17:20:05	0.0	0.0
531	6/24/2020	17:21:05	0.0	0.0
532	6/24/2020	17:22:05	0.0	0.0
533	6/24/2020	17:23:05	0.0	0.0
534	6/24/2020	17:24:05	0.0	0.0
535	6/24/2020	17:25:05	0.0	0.0
536	6/24/2020	17:26:05	0.0	0.0
537	6/24/2020	17:27:05	0.0	0.0
538	6/24/2020	17:28:05	0.0	0.0
539	6/24/2020	17:29:05	0.0	0.0
540	6/24/2020	17:30:05	0.0	0.0
541	6/24/2020	17:31:05	0.0	0.0
542	6/24/2020	17:32:05	0.0	0.0

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20/06/25 07:32

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#### Summary

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Unit Name           MiniRAE 3000(PGM-7320)  
Unit SN 592-909630  
Unit Firmware Ver       V2.20A  
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Running Mode       Hygiene Mode  
Datalog Mode       Auto  
Diagnostic Mode No  
Stop Reason       Power Down  
-----

Site ID 12345678  
User ID 12345678  
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Begin   6/25/2020 07:32:40  
End     6/25/2020 14:54:59  
Sample Period(s)       60  
Number of Records       442  
-----

Sensor   PID(ppm)  
Sensor SN       S023030086R6  
Measure Type     Avg; Max; Real  
Span     100.0

Span 2 1000.0  
Low Alarm 50.0  
High Alarm 100.0  
Over Alarm 15000.0  
STEL Alarm 25.0  
TWA Alarm 10.0  
Measurement Gas Isobutylene  
Calibration Time 6/19/2020 12:04  
Peak 0.0  
Min 0.0  
Average 0.0

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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	6/25/2020 07:33:40	0.0	0.0	0.0	0.0
002	6/25/2020 07:34:40	0.0	0.0	0.0	0.0
003	6/25/2020 07:35:40	0.0	0.0	0.0	0.0
004	6/25/2020 07:36:40	0.0	0.0	0.0	0.0
005	6/25/2020 07:37:40	0.0	0.0	0.0	0.0
006	6/25/2020 07:38:40	0.0	0.0	0.0	0.0
007	6/25/2020 07:39:40	0.0	0.0	0.0	0.0
008	6/25/2020 07:40:40	0.0	0.0	0.0	0.0
009	6/25/2020 07:41:40	0.0	0.0	0.0	0.0
010	6/25/2020 07:42:40	0.0	0.0	0.0	0.0
011	6/25/2020 07:43:40	0.0	0.0	0.0	0.0
012	6/25/2020 07:44:40	0.0	0.0	0.0	0.0
013	6/25/2020 07:45:40	0.0	0.0	0.0	0.0
014	6/25/2020 07:46:40	0.0	0.0	0.0	0.0
015	6/25/2020 07:47:40	0.0	0.0	0.0	0.0
016	6/25/2020 07:48:40	0.0	0.0	0.0	0.0
017	6/25/2020 07:49:40	0.0	0.0	0.0	0.0
018	6/25/2020 07:50:40	0.0	0.0	0.0	0.0
019	6/25/2020 07:51:40	0.0	0.0	0.0	0.0
020	6/25/2020 07:52:40	0.0	0.0	0.0	0.0
021	6/25/2020 07:53:40	0.0	0.0	0.0	0.0
022	6/25/2020 07:54:40	0.0	0.0	0.0	0.0
023	6/25/2020 07:55:40	0.0	0.0	0.0	0.0
024	6/25/2020 07:56:40	0.0	0.0	0.0	0.0
025	6/25/2020 07:57:40	0.0	0.0	0.0	0.0
026	6/25/2020 07:58:40	0.0	0.0	0.0	0.0
027	6/25/2020 07:59:40	0.0	0.0	0.0	0.0
028	6/25/2020 08:00:40	0.0	0.0	0.0	0.0
029	6/25/2020 08:01:40	0.0	0.0	0.0	0.0
030	6/25/2020 08:02:40	0.0	0.0	0.0	0.0
031	6/25/2020 08:03:40	0.0	0.0	0.0	0.0
032	6/25/2020 08:04:40	0.0	0.0	0.0	0.0
033	6/25/2020 08:05:40	0.0	0.0	0.0	0.0
034	6/25/2020 08:06:40	0.0	0.0	0.0	0.0

035	6/25/2020 08:07:40	0.0	0.0	0.0
036	6/25/2020 08:08:40	0.0	0.0	0.0
037	6/25/2020 08:09:40	0.0	0.0	0.0
038	6/25/2020 08:10:40	0.0	0.0	0.0
039	6/25/2020 08:11:40	0.0	0.0	0.0
040	6/25/2020 08:12:40	0.0	0.0	0.0
041	6/25/2020 08:13:40	0.0	0.0	0.0
042	6/25/2020 08:14:40	0.0	0.0	0.0
043	6/25/2020 08:15:40	0.0	0.0	0.0
044	6/25/2020 08:16:40	0.0	0.0	0.0
045	6/25/2020 08:17:40	0.0	0.0	0.0
046	6/25/2020 08:18:40	0.0	0.0	0.0
047	6/25/2020 08:19:40	0.0	0.0	0.0
048	6/25/2020 08:20:40	0.0	0.0	0.0
049	6/25/2020 08:21:40	0.0	0.0	0.0
050	6/25/2020 08:22:40	0.0	0.0	0.0
051	6/25/2020 08:23:40	0.0	0.0	0.0
052	6/25/2020 08:24:40	0.0	0.0	0.0
053	6/25/2020 08:25:40	0.0	0.0	0.0
054	6/25/2020 08:26:40	0.0	0.0	0.0
055	6/25/2020 08:27:40	0.0	0.0	0.0
056	6/25/2020 08:28:40	0.0	0.0	0.0
057	6/25/2020 08:29:40	0.0	0.0	0.0
058	6/25/2020 08:30:40	0.0	0.0	0.0
059	6/25/2020 08:31:40	0.0	0.0	0.0
060	6/25/2020 08:32:40	0.0	0.0	0.0
061	6/25/2020 08:33:40	0.0	0.0	0.0
062	6/25/2020 08:34:40	0.0	0.0	0.0
063	6/25/2020 08:35:40	0.0	0.0	0.0
064	6/25/2020 08:36:40	0.0	0.0	0.0
065	6/25/2020 08:37:40	0.0	0.0	0.0
066	6/25/2020 08:38:40	0.0	0.0	0.0
067	6/25/2020 08:39:40	0.0	0.0	0.0
068	6/25/2020 08:40:40	0.0	0.0	0.0
069	6/25/2020 08:41:40	0.0	0.0	0.0
070	6/25/2020 08:42:40	0.0	0.0	0.0
071	6/25/2020 08:43:40	0.0	0.0	0.0
072	6/25/2020 08:44:40	0.0	0.0	0.0
073	6/25/2020 08:45:40	0.0	0.0	0.0
074	6/25/2020 08:46:40	0.0	0.0	0.0
075	6/25/2020 08:47:40	0.0	0.0	0.0
076	6/25/2020 08:48:40	0.0	0.0	0.0
077	6/25/2020 08:49:40	0.0	0.0	0.0
078	6/25/2020 08:50:40	0.0	0.0	0.0
079	6/25/2020 08:51:40	0.0	0.0	0.0
080	6/25/2020 08:52:40	0.0	0.0	0.0
081	6/25/2020 08:53:40	0.0	0.0	0.0
082	6/25/2020 08:54:40	0.0	0.0	0.0
083	6/25/2020 08:55:40	0.0	0.0	0.0
084	6/25/2020 08:56:40	0.0	0.0	0.0



085	6/25/2020 08:57:40	0.0	0.0	0.0
086	6/25/2020 08:58:40	0.0	0.0	0.0
087	6/25/2020 08:59:40	0.0	0.0	0.0
088	6/25/2020 09:00:40	0.0	0.0	0.0
089	6/25/2020 09:01:40	0.0	0.0	0.0
090	6/25/2020 09:02:40	0.0	0.0	0.0
091	6/25/2020 09:03:40	0.0	0.0	0.0
092	6/25/2020 09:04:40	0.0	0.0	0.0
093	6/25/2020 09:05:40	0.0	0.0	0.0
094	6/25/2020 09:06:40	0.0	0.0	0.0
095	6/25/2020 09:07:40	0.0	0.0	0.0
096	6/25/2020 09:08:40	0.0	0.0	0.0
097	6/25/2020 09:09:40	0.0	0.0	0.0
098	6/25/2020 09:10:40	0.0	0.0	0.0
099	6/25/2020 09:11:40	0.0	0.0	0.0
100	6/25/2020 09:12:40	0.0	0.0	0.0
101	6/25/2020 09:13:40	0.0	0.0	0.0
102	6/25/2020 09:14:40	0.0	0.0	0.0
103	6/25/2020 09:15:40	0.0	0.0	0.0
104	6/25/2020 09:16:40	0.0	0.0	0.0
105	6/25/2020 09:17:40	0.0	0.0	0.0
106	6/25/2020 09:18:40	0.0	0.0	0.0
107	6/25/2020 09:19:40	0.0	0.0	0.0
108	6/25/2020 09:20:40	0.0	0.0	0.0
109	6/25/2020 09:21:40	0.0	0.0	0.0
110	6/25/2020 09:22:40	0.0	0.0	0.0
111	6/25/2020 09:23:40	0.0	0.0	0.0
112	6/25/2020 09:24:40	0.0	0.0	0.0
113	6/25/2020 09:25:40	0.0	0.0	0.0
114	6/25/2020 09:26:40	0.0	0.0	0.0
115	6/25/2020 09:27:40	0.0	0.0	0.0
116	6/25/2020 09:28:40	0.0	0.0	0.0
117	6/25/2020 09:29:40	0.0	0.0	0.0
118	6/25/2020 09:30:40	0.0	0.0	0.0
119	6/25/2020 09:31:40	0.0	0.0	0.0
120	6/25/2020 09:32:40	0.0	0.0	0.0
121	6/25/2020 09:33:40	0.0	0.0	0.0
122	6/25/2020 09:34:40	0.0	0.0	0.0
123	6/25/2020 09:35:40	0.0	0.0	0.0
124	6/25/2020 09:36:40	0.0	0.0	0.0
125	6/25/2020 09:37:40	0.0	0.0	0.0
126	6/25/2020 09:38:40	0.0	0.0	0.0
127	6/25/2020 09:39:40	0.0	0.0	0.0
128	6/25/2020 09:40:40	0.0	0.0	0.0
129	6/25/2020 09:41:40	0.0	0.0	0.0
130	6/25/2020 09:42:40	0.0	0.0	0.0
131	6/25/2020 09:43:40	0.0	0.0	0.0
132	6/25/2020 09:44:40	0.0	0.0	0.0
133	6/25/2020 09:45:40	0.0	0.0	0.0
134	6/25/2020 09:46:40	0.0	0.0	0.0

135	6/25/2020 09:47:40	0.0	0.0	0.0
136	6/25/2020 09:48:40	0.0	0.0	0.0
137	6/25/2020 09:49:40	0.0	0.0	0.0
138	6/25/2020 09:50:40	0.0	0.0	0.0
139	6/25/2020 09:51:40	0.0	0.0	0.0
140	6/25/2020 09:52:40	0.0	0.0	0.0
141	6/25/2020 09:53:40	0.0	0.0	0.0
142	6/25/2020 09:54:40	0.0	0.0	0.0
143	6/25/2020 09:55:40	0.0	0.0	0.0
144	6/25/2020 09:56:40	0.0	0.0	0.0
145	6/25/2020 09:57:40	0.0	0.0	0.0
146	6/25/2020 09:58:40	0.0	0.0	0.0
147	6/25/2020 09:59:40	0.0	0.0	0.0
148	6/25/2020 10:00:40	0.0	0.0	0.0
149	6/25/2020 10:01:40	0.0	0.0	0.0
150	6/25/2020 10:02:40	0.0	0.1	0.0
151	6/25/2020 10:03:40	0.0	0.0	0.0
152	6/25/2020 10:04:40	0.0	0.0	0.0
153	6/25/2020 10:05:40	0.0	0.0	0.0
154	6/25/2020 10:06:40	0.0	0.0	0.0
155	6/25/2020 10:07:40	0.0	0.0	0.0
156	6/25/2020 10:08:40	0.0	0.0	0.0
157	6/25/2020 10:09:40	0.0	0.0	0.0
158	6/25/2020 10:10:40	0.0	0.0	0.0
159	6/25/2020 10:11:40	0.0	0.0	0.0
160	6/25/2020 10:12:40	0.0	0.0	0.0
161	6/25/2020 10:13:40	0.0	0.0	0.0
162	6/25/2020 10:14:40	0.0	0.0	0.0
163	6/25/2020 10:15:40	0.0	0.0	0.0
164	6/25/2020 10:16:40	0.0	0.0	0.0
165	6/25/2020 10:17:40	0.0	0.0	0.0
166	6/25/2020 10:18:40	0.0	0.0	0.0
167	6/25/2020 10:19:40	0.0	0.0	0.0
168	6/25/2020 10:20:40	0.0	0.0	0.0
169	6/25/2020 10:21:40	0.0	0.0	0.0
170	6/25/2020 10:22:40	0.0	0.0	0.0
171	6/25/2020 10:23:40	0.0	0.0	0.0
172	6/25/2020 10:24:40	0.0	0.0	0.0
173	6/25/2020 10:25:40	0.0	0.0	0.0
174	6/25/2020 10:26:40	0.0	0.0	0.0
175	6/25/2020 10:27:40	0.0	0.0	0.0
176	6/25/2020 10:28:40	0.0	0.0	0.0
177	6/25/2020 10:29:40	0.0	0.0	0.0
178	6/25/2020 10:30:40	0.0	0.0	0.0
179	6/25/2020 10:31:40	0.0	0.0	0.0
180	6/25/2020 10:32:40	0.0	0.0	0.0
181	6/25/2020 10:33:40	0.0	0.0	0.0
182	6/25/2020 10:34:40	0.0	0.0	0.0
183	6/25/2020 10:35:40	0.0	0.0	0.0
184	6/25/2020 10:36:40	0.0	0.0	0.0

185	6/25/2020	10:37:40	0.0	0.0	0.0
186	6/25/2020	10:38:40	0.0	0.0	0.0
187	6/25/2020	10:39:40	0.0	0.0	0.0
188	6/25/2020	10:40:40	0.0	0.0	0.0
189	6/25/2020	10:41:40	0.0	0.0	0.0
190	6/25/2020	10:42:40	0.0	0.0	0.0
191	6/25/2020	10:43:40	0.0	0.0	0.0
192	6/25/2020	10:44:40	0.0	0.0	0.0
193	6/25/2020	10:45:40	0.0	0.0	0.0
194	6/25/2020	10:46:40	0.0	0.0	0.0
195	6/25/2020	10:47:40	0.0	0.0	0.0
196	6/25/2020	10:48:40	0.0	0.0	0.0
197	6/25/2020	10:49:40	0.0	0.0	0.0
198	6/25/2020	10:50:40	0.0	0.0	0.0
199	6/25/2020	10:51:40	0.0	0.0	0.0
200	6/25/2020	10:52:40	0.0	0.0	0.0
201	6/25/2020	10:53:40	0.0	0.0	0.0
202	6/25/2020	10:54:40	0.0	0.0	0.0
203	6/25/2020	10:55:40	0.0	0.0	0.0
204	6/25/2020	10:56:40	0.0	0.0	0.0
205	6/25/2020	10:57:40	0.0	0.0	0.0
206	6/25/2020	10:58:40	0.0	0.0	0.0
207	6/25/2020	10:59:40	0.0	0.0	0.0
208	6/25/2020	11:00:40	0.0	0.0	0.0
209	6/25/2020	11:01:40	0.0	0.0	0.0
210	6/25/2020	11:02:40	0.0	0.0	0.0
211	6/25/2020	11:03:40	0.0	0.0	0.0
212	6/25/2020	11:04:40	0.0	0.0	0.0
213	6/25/2020	11:05:40	0.0	0.0	0.0
214	6/25/2020	11:06:40	0.0	0.0	0.0
215	6/25/2020	11:07:40	0.0	0.0	0.0
216	6/25/2020	11:08:40	0.0	0.0	0.0
217	6/25/2020	11:09:40	0.0	0.0	0.0
218	6/25/2020	11:10:40	0.0	0.0	0.0
219	6/25/2020	11:11:40	0.0	0.0	0.0
220	6/25/2020	11:12:40	0.0	0.0	0.0
221	6/25/2020	11:13:40	0.0	0.0	0.0
222	6/25/2020	11:14:40	0.0	0.0	0.0
223	6/25/2020	11:15:40	0.0	0.0	0.0
224	6/25/2020	11:16:40	0.0	0.0	0.0
225	6/25/2020	11:17:40	0.0	0.0	0.0
226	6/25/2020	11:18:40	0.0	0.0	0.0
227	6/25/2020	11:19:40	0.0	0.0	0.0
228	6/25/2020	11:20:40	0.0	0.0	0.0
229	6/25/2020	11:21:40	0.0	0.0	0.0
230	6/25/2020	11:22:40	0.0	0.0	0.0
231	6/25/2020	11:23:40	0.0	0.0	0.0
232	6/25/2020	11:24:40	0.0	0.0	0.0
233	6/25/2020	11:25:40	0.0	0.0	0.0
234	6/25/2020	11:26:40	0.0	0.0	0.0



235	6/25/2020	11:27:40	0.0	0.0	0.0
236	6/25/2020	11:28:40	0.0	0.0	0.0
237	6/25/2020	11:29:40	0.0	0.0	0.0
238	6/25/2020	11:30:40	0.0	0.0	0.0
239	6/25/2020	11:31:40	0.0	0.0	0.0
240	6/25/2020	11:32:40	0.0	0.0	0.0
241	6/25/2020	11:33:40	0.0	0.0	0.0
242	6/25/2020	11:34:40	0.0	0.0	0.0
243	6/25/2020	11:35:40	0.0	0.0	0.0
244	6/25/2020	11:36:40	0.0	0.0	0.0
245	6/25/2020	11:37:40	0.0	0.0	0.0
246	6/25/2020	11:38:40	0.0	0.0	0.0
247	6/25/2020	11:39:40	0.0	0.0	0.0
248	6/25/2020	11:40:40	0.0	0.0	0.0
249	6/25/2020	11:41:40	0.0	0.0	0.0
250	6/25/2020	11:42:40	0.0	0.0	0.0
251	6/25/2020	11:43:40	0.0	0.0	0.0
252	6/25/2020	11:44:40	0.0	0.0	0.0
253	6/25/2020	11:45:40	0.0	0.0	0.0
254	6/25/2020	11:46:40	0.0	0.0	0.0
255	6/25/2020	11:47:40	0.0	0.0	0.0
256	6/25/2020	11:48:40	0.0	0.0	0.0
257	6/25/2020	11:49:40	0.0	0.0	0.0
258	6/25/2020	11:50:40	0.0	0.0	0.0
259	6/25/2020	11:51:40	0.0	0.4	0.0
260	6/25/2020	11:52:40	0.0	0.0	0.0
261	6/25/2020	11:53:40	0.0	0.0	0.0
262	6/25/2020	11:54:40	0.0	0.0	0.0
263	6/25/2020	11:55:40	0.0	0.0	0.0
264	6/25/2020	11:56:40	0.0	0.0	0.0
265	6/25/2020	11:57:40	0.0	0.0	0.0
266	6/25/2020	11:58:40	0.0	0.0	0.0
267	6/25/2020	11:59:40	0.0	0.0	0.0
268	6/25/2020	12:00:40	0.0	0.0	0.0
269	6/25/2020	12:01:40	0.0	0.0	0.0
270	6/25/2020	12:02:40	0.0	0.0	0.0
271	6/25/2020	12:03:40	0.0	0.0	0.0
272	6/25/2020	12:04:40	0.0	0.0	0.0
273	6/25/2020	12:05:40	0.0	0.0	0.0
274	6/25/2020	12:06:40	0.0	0.0	0.0
275	6/25/2020	12:07:40	0.0	0.0	0.0
276	6/25/2020	12:08:40	0.0	0.0	0.0
277	6/25/2020	12:09:40	0.0	0.0	0.0
278	6/25/2020	12:10:40	0.0	0.0	0.0
279	6/25/2020	12:11:40	0.0	0.0	0.0
280	6/25/2020	12:12:40	0.0	0.0	0.0
281	6/25/2020	12:13:40	0.0	0.0	0.0
282	6/25/2020	12:14:40	0.0	0.0	0.0
283	6/25/2020	12:15:40	0.0	0.0	0.0
284	6/25/2020	12:16:40	0.0	0.0	0.0

285	6/25/2020	12:17:40	0.0	0.0	0.0
286	6/25/2020	12:18:40	0.0	0.0	0.0
287	6/25/2020	12:19:40	0.0	0.0	0.0
288	6/25/2020	12:20:40	0.0	0.0	0.0
289	6/25/2020	12:21:40	0.0	0.0	0.0
290	6/25/2020	12:22:40	0.0	0.0	0.0
291	6/25/2020	12:23:40	0.0	0.0	0.0
292	6/25/2020	12:24:40	0.0	0.0	0.0
293	6/25/2020	12:25:40	0.0	0.0	0.0
294	6/25/2020	12:26:40	0.0	0.0	0.0
295	6/25/2020	12:27:40	0.0	0.0	0.0
296	6/25/2020	12:28:40	0.0	0.0	0.0
297	6/25/2020	12:29:40	0.0	0.0	0.0
298	6/25/2020	12:30:40	0.0	0.0	0.0
299	6/25/2020	12:31:40	0.0	0.0	0.0
300	6/25/2020	12:32:40	0.0	0.0	0.0
301	6/25/2020	12:33:40	0.0	0.0	0.0
302	6/25/2020	12:34:40	0.0	0.0	0.0
303	6/25/2020	12:35:40	0.0	0.0	0.0
304	6/25/2020	12:36:40	0.0	0.0	0.0
305	6/25/2020	12:37:40	0.0	0.0	0.0
306	6/25/2020	12:38:40	0.0	0.0	0.0
307	6/25/2020	12:39:40	0.0	0.0	0.0
308	6/25/2020	12:40:40	0.0	0.0	0.0
309	6/25/2020	12:41:40	0.0	0.0	0.0
310	6/25/2020	12:42:40	0.0	0.0	0.0
311	6/25/2020	12:43:40	0.0	0.0	0.0
312	6/25/2020	12:44:40	0.0	0.0	0.0
313	6/25/2020	12:45:40	0.0	0.0	0.0
314	6/25/2020	12:46:40	0.0	0.0	0.0
315	6/25/2020	12:47:40	0.0	0.0	0.0
316	6/25/2020	12:48:40	0.0	0.0	0.0
317	6/25/2020	12:49:40	0.0	0.2	0.0
318	6/25/2020	12:50:40	0.0	0.0	0.0
319	6/25/2020	12:51:40	0.0	0.0	0.0
320	6/25/2020	12:52:40	0.0	0.0	0.0
321	6/25/2020	12:53:40	0.0	0.0	0.0
322	6/25/2020	12:54:40	0.0	0.0	0.0
323	6/25/2020	12:55:40	0.0	0.0	0.0
324	6/25/2020	12:56:40	0.0	0.0	0.0
325	6/25/2020	12:57:40	0.0	0.0	0.0
326	6/25/2020	12:58:40	0.0	0.0	0.0
327	6/25/2020	12:59:40	0.0	0.0	0.0
328	6/25/2020	13:00:40	0.0	0.0	0.0
329	6/25/2020	13:01:40	0.0	0.2	0.0
330	6/25/2020	13:02:40	0.0	0.0	0.0
331	6/25/2020	13:03:40	0.0	0.0	0.0
332	6/25/2020	13:04:40	0.0	0.0	0.0
333	6/25/2020	13:05:40	0.0	0.0	0.0
334	6/25/2020	13:06:40	0.0	0.0	0.0

335	6/25/2020 13:07:40	0.0	0.0	0.0
336	6/25/2020 13:08:40	0.0	0.0	0.0
337	6/25/2020 13:09:40	0.0	0.0	0.0
338	6/25/2020 13:10:40	0.0	0.0	0.0
339	6/25/2020 13:11:40	0.0	0.0	0.0
340	6/25/2020 13:12:40	0.0	0.0	0.0
341	6/25/2020 13:13:40	0.0	0.0	0.0
342	6/25/2020 13:14:40	0.0	0.0	0.0
343	6/25/2020 13:15:40	0.0	0.0	0.0
344	6/25/2020 13:16:40	0.0	0.0	0.0
345	6/25/2020 13:17:40	0.0	0.0	0.0
346	6/25/2020 13:18:40	0.0	0.0	0.0
347	6/25/2020 13:19:40	0.0	0.0	0.0
348	6/25/2020 13:20:40	0.0	0.0	0.0
349	6/25/2020 13:21:40	0.0	0.0	0.0
350	6/25/2020 13:22:40	0.0	0.0	0.0
351	6/25/2020 13:23:40	0.0	0.0	0.0
352	6/25/2020 13:24:40	0.0	0.0	0.0
353	6/25/2020 13:25:40	0.0	0.0	0.0
354	6/25/2020 13:26:40	0.0	0.0	0.0
355	6/25/2020 13:27:40	0.0	0.0	0.0
356	6/25/2020 13:28:40	0.0	0.0	0.0
357	6/25/2020 13:29:40	0.0	0.0	0.0
358	6/25/2020 13:30:40	0.0	0.0	0.0
359	6/25/2020 13:31:40	0.0	0.0	0.0
360	6/25/2020 13:32:40	0.0	0.0	0.0
361	6/25/2020 13:33:40	0.0	0.0	0.0
362	6/25/2020 13:34:40	0.0	0.0	0.0
363	6/25/2020 13:35:40	0.0	0.0	0.0
364	6/25/2020 13:36:40	0.0	0.0	0.0
365	6/25/2020 13:37:40	0.0	0.0	0.0
366	6/25/2020 13:38:40	0.0	0.0	0.0
367	6/25/2020 13:39:40	0.0	0.0	0.0
368	6/25/2020 13:40:40	0.0	0.0	0.0
369	6/25/2020 13:41:40	0.0	0.0	0.0
370	6/25/2020 13:42:40	0.0	0.0	0.0
371	6/25/2020 13:43:40	0.0	0.0	0.0
372	6/25/2020 13:44:40	0.0	0.0	0.0
373	6/25/2020 13:45:40	0.0	0.0	0.0
374	6/25/2020 13:46:40	0.0	0.0	0.0
375	6/25/2020 13:47:40	0.0	0.0	0.0
376	6/25/2020 13:48:40	0.0	0.0	0.0
377	6/25/2020 13:49:40	0.0	0.0	0.0
378	6/25/2020 13:50:40	0.0	0.0	0.0
379	6/25/2020 13:51:40	0.0	0.0	0.0
380	6/25/2020 13:52:40	0.0	0.0	0.0
381	6/25/2020 13:53:40	0.0	0.0	0.0
382	6/25/2020 13:54:40	0.0	0.0	0.0
383	6/25/2020 13:55:40	0.0	0.0	0.0
384	6/25/2020 13:56:40	0.0	0.0	0.0



385	6/25/2020	13:57:40	0.0	0.0	0.0
386	6/25/2020	13:58:40	0.0	0.0	0.0
387	6/25/2020	13:59:40	0.0	0.0	0.0
388	6/25/2020	14:00:40	0.0	0.0	0.0
389	6/25/2020	14:01:40	0.0	0.0	0.0
390	6/25/2020	14:02:40	0.0	0.0	0.0
391	6/25/2020	14:03:40	0.0	0.0	0.0
392	6/25/2020	14:04:40	0.0	0.0	0.0
393	6/25/2020	14:05:40	0.0	0.0	0.0
394	6/25/2020	14:06:40	0.0	0.0	0.0
395	6/25/2020	14:07:40	0.0	0.0	0.0
396	6/25/2020	14:08:40	0.0	0.0	0.0
397	6/25/2020	14:09:40	0.0	0.0	0.0
398	6/25/2020	14:10:40	0.0	0.0	0.0
399	6/25/2020	14:11:40	0.0	0.0	0.0
400	6/25/2020	14:12:40	0.0	0.0	0.0
401	6/25/2020	14:13:40	0.0	0.0	0.0
402	6/25/2020	14:14:40	0.0	0.0	0.0
403	6/25/2020	14:15:40	0.0	0.0	0.0
404	6/25/2020	14:16:40	0.0	0.0	0.0
405	6/25/2020	14:17:40	0.0	0.1	0.0
406	6/25/2020	14:18:40	0.0	0.0	0.0
407	6/25/2020	14:19:40	0.0	0.0	0.0
408	6/25/2020	14:20:40	0.0	0.0	0.0
409	6/25/2020	14:21:40	0.0	0.0	0.0
410	6/25/2020	14:22:40	0.0	0.0	0.0
411	6/25/2020	14:23:40	0.0	0.0	0.0
412	6/25/2020	14:24:40	0.0	0.0	0.0
413	6/25/2020	14:25:40	0.0	0.0	0.0
414	6/25/2020	14:26:40	0.0	0.0	0.0
415	6/25/2020	14:27:40	0.0	0.0	0.0
416	6/25/2020	14:28:40	0.0	0.0	0.0
417	6/25/2020	14:29:40	0.0	0.0	0.0
418	6/25/2020	14:30:40	0.0	0.0	0.0
419	6/25/2020	14:31:40	0.0	0.0	0.0
420	6/25/2020	14:32:40	0.0	0.0	0.0
421	6/25/2020	14:33:40	0.0	0.0	0.0
422	6/25/2020	14:34:40	0.0	0.0	0.0
423	6/25/2020	14:35:40	0.0	0.0	0.0
424	6/25/2020	14:36:40	0.0	0.0	0.0
425	6/25/2020	14:37:40	0.0	0.0	0.0
426	6/25/2020	14:38:40	0.0	0.0	0.0
427	6/25/2020	14:39:40	0.0	0.1	0.0
428	6/25/2020	14:40:40	0.0	0.0	0.0
429	6/25/2020	14:41:40	0.0	0.0	0.0
430	6/25/2020	14:42:40	0.0	0.0	0.0
431	6/25/2020	14:43:40	0.0	0.0	0.0
432	6/25/2020	14:44:40	0.0	0.0	0.0
433	6/25/2020	14:45:40	0.0	0.0	0.0
434	6/25/2020	14:46:40	0.0	0.0	0.0

435	6/25/2020	14:47:40	0.0	0.0	0.0
436	6/25/2020	14:48:40	0.0	0.0	0.0
437	6/25/2020	14:49:40	0.0	0.0	0.0
438	6/25/2020	14:50:40	0.0	0.0	0.0
439	6/25/2020	14:51:40	0.0	0.0	0.0
440	6/25/2020	14:52:40	0.0	0.0	0.0
441	6/25/2020	14:53:40	0.0	0.0	0.0
442	6/25/2020	14:54:40	0.0	0.0	0.0
Peak		0.0 0.4	0.0		
Min		0.0 0.0	0.0		
Average		0.0 0.0	0.0		

\*\*\*\*\*

# TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	6/25/2020 07:33:40	0.0	---
002	6/25/2020 07:34:40	0.0	---
003	6/25/2020 07:35:40	0.0	---
004	6/25/2020 07:36:40	0.0	---
005	6/25/2020 07:37:40	0.0	---
006	6/25/2020 07:38:40	0.0	---
007	6/25/2020 07:39:40	0.0	---
008	6/25/2020 07:40:40	0.0	---
009	6/25/2020 07:41:40	0.0	---
010	6/25/2020 07:42:40	0.0	---
011	6/25/2020 07:43:40	0.0	---
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372	6/25/2020	13:44:40	0.0	0.0
373	6/25/2020	13:45:40	0.0	0.0
374	6/25/2020	13:46:40	0.0	0.0
375	6/25/2020	13:47:40	0.0	0.0
376	6/25/2020	13:48:40	0.0	0.0
377	6/25/2020	13:49:40	0.0	0.0
378	6/25/2020	13:50:40	0.0	0.0
379	6/25/2020	13:51:40	0.0	0.0
380	6/25/2020	13:52:40	0.0	0.0
381	6/25/2020	13:53:40	0.0	0.0
382	6/25/2020	13:54:40	0.0	0.0
383	6/25/2020	13:55:40	0.0	0.0
384	6/25/2020	13:56:40	0.0	0.0



385	6/25/2020	13:57:40	0.0	0.0
386	6/25/2020	13:58:40	0.0	0.0
387	6/25/2020	13:59:40	0.0	0.0
388	6/25/2020	14:00:40	0.0	0.0
389	6/25/2020	14:01:40	0.0	0.0
390	6/25/2020	14:02:40	0.0	0.0
391	6/25/2020	14:03:40	0.0	0.0
392	6/25/2020	14:04:40	0.0	0.0
393	6/25/2020	14:05:40	0.0	0.0
394	6/25/2020	14:06:40	0.0	0.0
395	6/25/2020	14:07:40	0.0	0.0
396	6/25/2020	14:08:40	0.0	0.0
397	6/25/2020	14:09:40	0.0	0.0
398	6/25/2020	14:10:40	0.0	0.0
399	6/25/2020	14:11:40	0.0	0.0
400	6/25/2020	14:12:40	0.0	0.0
401	6/25/2020	14:13:40	0.0	0.0
402	6/25/2020	14:14:40	0.0	0.0
403	6/25/2020	14:15:40	0.0	0.0
404	6/25/2020	14:16:40	0.0	0.0
405	6/25/2020	14:17:40	0.0	0.0
406	6/25/2020	14:18:40	0.0	0.0
407	6/25/2020	14:19:40	0.0	0.0
408	6/25/2020	14:20:40	0.0	0.0
409	6/25/2020	14:21:40	0.0	0.0
410	6/25/2020	14:22:40	0.0	0.0
411	6/25/2020	14:23:40	0.0	0.0
412	6/25/2020	14:24:40	0.0	0.0
413	6/25/2020	14:25:40	0.0	0.0
414	6/25/2020	14:26:40	0.0	0.0
415	6/25/2020	14:27:40	0.0	0.0
416	6/25/2020	14:28:40	0.0	0.0
417	6/25/2020	14:29:40	0.0	0.0
418	6/25/2020	14:30:40	0.0	0.0
419	6/25/2020	14:31:40	0.0	0.0
420	6/25/2020	14:32:40	0.0	0.0
421	6/25/2020	14:33:40	0.0	0.0
422	6/25/2020	14:34:40	0.0	0.0
423	6/25/2020	14:35:40	0.0	0.0
424	6/25/2020	14:36:40	0.0	0.0
425	6/25/2020	14:37:40	0.0	0.0
426	6/25/2020	14:38:40	0.0	0.0
427	6/25/2020	14:39:40	0.0	0.0
428	6/25/2020	14:40:40	0.0	0.0
429	6/25/2020	14:41:40	0.0	0.0
430	6/25/2020	14:42:40	0.0	0.0
431	6/25/2020	14:43:40	0.0	0.0
432	6/25/2020	14:44:40	0.0	0.0
433	6/25/2020	14:45:40	0.0	0.0
434	6/25/2020	14:46:40	0.0	0.0

435	6/25/2020	14:47:40	0.0	0.0
436	6/25/2020	14:48:40	0.0	0.0
437	6/25/2020	14:49:40	0.0	0.0
438	6/25/2020	14:50:40	0.0	0.0
439	6/25/2020	14:51:40	0.0	0.0
440	6/25/2020	14:52:40	0.0	0.0
441	6/25/2020	14:53:40	0.0	0.0
442	6/25/2020	14:54:40	0.0	0.0

20/06/26 08:01

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#### Summary

Unit Name MiniRAE 3000(PGM-7320)  
Unit SN 592-909630  
Unit Firmware Ver V2.20A

Running Mode Hygiene Mode  
Datalog Mode Auto  
Diagnostic Mode No  
Stop Reason Power Down

Site ID 12345678  
User ID 12345678

Begin 6/26/2020 08:01:23  
End 6/26/2020 13:34:51  
Sample Period(s) 60  
Number of Records 333

Sensor PID(ppm)  
Sensor SN S023030086R6  
Measure Type Avg; Max; Real  
Span 100.0  
Span 2 1000.0  
Low Alarm 50.0  
High Alarm 100.0  
Over Alarm 15000.0  
STEL Alarm 25.0  
TWA Alarm 10.0  
Measurement Gas Isobutylene  
Calibration Time 6/19/2020 12:04  
Peak 0.0  
Min 0.0  
Average 0.0

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#### Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
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001	6/26/2020 08:02:23	0.0	0.0	0.0
002	6/26/2020 08:03:23	0.0	0.0	0.0
003	6/26/2020 08:04:23	0.0	0.0	0.0
004	6/26/2020 08:05:23	0.0	0.0	0.0
005	6/26/2020 08:06:23	0.0	0.0	0.0
006	6/26/2020 08:07:23	0.0	0.0	0.0
007	6/26/2020 08:08:23	0.0	0.0	0.0
008	6/26/2020 08:09:23	0.0	0.0	0.0
009	6/26/2020 08:10:23	0.0	0.0	0.0
010	6/26/2020 08:11:23	0.0	0.0	0.0
011	6/26/2020 08:12:23	0.0	0.0	0.0
012	6/26/2020 08:13:23	0.0	0.0	0.0
013	6/26/2020 08:14:23	0.0	0.0	0.0
014	6/26/2020 08:15:23	0.0	0.0	0.0
015	6/26/2020 08:16:23	0.0	0.0	0.0
016	6/26/2020 08:17:23	0.0	0.0	0.0
017	6/26/2020 08:18:23	0.0	0.0	0.0
018	6/26/2020 08:19:23	0.0	0.0	0.0
019	6/26/2020 08:20:23	0.0	0.0	0.0
020	6/26/2020 08:21:23	0.0	0.0	0.0
021	6/26/2020 08:22:23	0.0	0.0	0.0
022	6/26/2020 08:23:23	0.0	0.0	0.0
023	6/26/2020 08:24:23	0.0	0.0	0.0
024	6/26/2020 08:25:23	0.0	0.0	0.0
025	6/26/2020 08:26:23	0.0	0.0	0.0
026	6/26/2020 08:27:23	0.0	0.0	0.0
027	6/26/2020 08:28:23	0.0	0.0	0.0
028	6/26/2020 08:29:23	0.0	0.0	0.0
029	6/26/2020 08:30:23	0.0	0.0	0.0
030	6/26/2020 08:31:23	0.0	0.0	0.0
031	6/26/2020 08:32:23	0.0	0.0	0.0
032	6/26/2020 08:33:23	0.0	0.0	0.0
033	6/26/2020 08:34:23	0.0	0.0	0.0
034	6/26/2020 08:35:23	0.0	0.0	0.0
035	6/26/2020 08:36:23	0.0	0.0	0.0
036	6/26/2020 08:37:23	0.0	0.0	0.0
037	6/26/2020 08:38:23	0.0	0.0	0.0
038	6/26/2020 08:39:23	0.0	0.0	0.0
039	6/26/2020 08:40:23	0.0	0.0	0.0
040	6/26/2020 08:41:23	0.0	0.0	0.0
041	6/26/2020 08:42:23	0.0	0.0	0.0
042	6/26/2020 08:43:23	0.0	0.0	0.0
043	6/26/2020 08:44:23	0.0	0.0	0.0
044	6/26/2020 08:45:23	0.0	0.0	0.0
045	6/26/2020 08:46:23	0.0	0.0	0.0
046	6/26/2020 08:47:23	0.0	0.0	0.0
047	6/26/2020 08:48:23	0.0	0.0	0.0
048	6/26/2020 08:49:23	0.0	0.0	0.0
049	6/26/2020 08:50:23	0.0	0.0	0.0
050	6/26/2020 08:51:23	0.0	0.0	0.0



051	6/26/2020 08:52:23	0.0	0.0	0.0
052	6/26/2020 08:53:23	0.0	0.0	0.0
053	6/26/2020 08:54:23	0.0	0.0	0.0
054	6/26/2020 08:55:23	0.0	0.0	0.0
055	6/26/2020 08:56:23	0.0	0.0	0.0
056	6/26/2020 08:57:23	0.0	0.0	0.0
057	6/26/2020 08:58:23	0.0	0.0	0.0
058	6/26/2020 08:59:23	0.0	0.0	0.0
059	6/26/2020 09:00:23	0.0	0.0	0.0
060	6/26/2020 09:01:23	0.0	0.0	0.0
061	6/26/2020 09:02:23	0.0	0.0	0.0
062	6/26/2020 09:03:23	0.0	0.0	0.0
063	6/26/2020 09:04:23	0.0	0.0	0.0
064	6/26/2020 09:05:23	0.0	0.0	0.0
065	6/26/2020 09:06:23	0.0	0.0	0.0
066	6/26/2020 09:07:23	0.0	0.0	0.0
067	6/26/2020 09:08:23	0.0	0.0	0.0
068	6/26/2020 09:09:23	0.0	0.0	0.0
069	6/26/2020 09:10:23	0.0	0.0	0.0
070	6/26/2020 09:11:23	0.0	0.0	0.0
071	6/26/2020 09:12:23	0.0	0.0	0.0
072	6/26/2020 09:13:23	0.0	0.0	0.0
073	6/26/2020 09:14:23	0.0	0.0	0.0
074	6/26/2020 09:15:23	0.0	0.0	0.0
075	6/26/2020 09:16:23	0.0	0.0	0.0
076	6/26/2020 09:17:23	0.0	0.0	0.0
077	6/26/2020 09:18:23	0.0	0.0	0.0
078	6/26/2020 09:19:23	0.0	0.0	0.0
079	6/26/2020 09:20:23	0.0	0.0	0.0
080	6/26/2020 09:21:23	0.0	0.0	0.0
081	6/26/2020 09:22:23	0.0	0.0	0.0
082	6/26/2020 09:23:23	0.0	0.0	0.0
083	6/26/2020 09:24:23	0.0	0.0	0.0
084	6/26/2020 09:25:23	0.0	0.0	0.0
085	6/26/2020 09:26:23	0.0	0.0	0.0
086	6/26/2020 09:27:23	0.0	0.0	0.0
087	6/26/2020 09:28:23	0.0	0.0	0.0
088	6/26/2020 09:29:23	0.0	0.0	0.0
089	6/26/2020 09:30:23	0.0	0.0	0.0
090	6/26/2020 09:31:23	0.0	0.0	0.0
091	6/26/2020 09:32:23	0.0	0.0	0.0
092	6/26/2020 09:33:23	0.0	0.0	0.0
093	6/26/2020 09:34:23	0.0	0.0	0.0
094	6/26/2020 09:35:23	0.0	0.0	0.0
095	6/26/2020 09:36:23	0.0	0.0	0.0
096	6/26/2020 09:37:23	0.0	0.0	0.0
097	6/26/2020 09:38:23	0.0	0.0	0.0
098	6/26/2020 09:39:23	0.0	0.0	0.0
099	6/26/2020 09:40:23	0.0	0.0	0.0
100	6/26/2020 09:41:23	0.0	0.0	0.0

101	6/26/2020 09:42:23	0.0	0.0	0.0
102	6/26/2020 09:43:23	0.0	0.0	0.0
103	6/26/2020 09:44:23	0.0	0.0	0.0
104	6/26/2020 09:45:23	0.0	0.0	0.0
105	6/26/2020 09:46:23	0.0	0.0	0.0
106	6/26/2020 09:47:23	0.0	0.0	0.0
107	6/26/2020 09:48:23	0.0	0.0	0.0
108	6/26/2020 09:49:23	0.0	0.0	0.0
109	6/26/2020 09:50:23	0.0	0.0	0.0
110	6/26/2020 09:51:23	0.0	0.0	0.0
111	6/26/2020 09:52:23	0.0	0.0	0.0
112	6/26/2020 09:53:23	0.0	0.0	0.0
113	6/26/2020 09:54:23	0.0	0.0	0.0
114	6/26/2020 09:55:23	0.0	0.0	0.0
115	6/26/2020 09:56:23	0.0	0.0	0.0
116	6/26/2020 09:57:23	0.0	0.0	0.0
117	6/26/2020 09:58:23	0.0	0.0	0.0
118	6/26/2020 09:59:23	0.0	0.0	0.0
119	6/26/2020 10:00:23	0.0	0.0	0.0
120	6/26/2020 10:01:23	0.0	0.0	0.0
121	6/26/2020 10:02:23	0.0	0.0	0.0
122	6/26/2020 10:03:23	0.0	0.0	0.0
123	6/26/2020 10:04:23	0.0	0.0	0.0
124	6/26/2020 10:05:23	0.0	0.0	0.0
125	6/26/2020 10:06:23	0.0	0.0	0.0
126	6/26/2020 10:07:23	0.0	0.0	0.0
127	6/26/2020 10:08:23	0.0	0.0	0.0
128	6/26/2020 10:09:23	0.0	0.0	0.0
129	6/26/2020 10:10:23	0.0	0.0	0.0
130	6/26/2020 10:11:23	0.0	0.0	0.0
131	6/26/2020 10:12:23	0.0	0.0	0.0
132	6/26/2020 10:13:23	0.0	0.0	0.0
133	6/26/2020 10:14:23	0.0	0.0	0.0
134	6/26/2020 10:15:23	0.0	0.0	0.0
135	6/26/2020 10:16:23	0.0	0.0	0.0
136	6/26/2020 10:17:23	0.0	0.0	0.0
137	6/26/2020 10:18:23	0.0	0.0	0.0
138	6/26/2020 10:19:23	0.0	0.0	0.0
139	6/26/2020 10:20:23	0.0	0.0	0.0
140	6/26/2020 10:21:23	0.0	0.0	0.0
141	6/26/2020 10:22:23	0.0	0.0	0.0
142	6/26/2020 10:23:23	0.0	0.0	0.0
143	6/26/2020 10:24:23	0.0	0.0	0.0
144	6/26/2020 10:25:23	0.0	0.0	0.0
145	6/26/2020 10:26:23	0.0	0.0	0.0
146	6/26/2020 10:27:23	0.0	0.0	0.0
147	6/26/2020 10:28:23	0.0	0.0	0.0
148	6/26/2020 10:29:23	0.0	0.0	0.0
149	6/26/2020 10:30:23	0.0	0.0	0.0
150	6/26/2020 10:31:23	0.0	0.0	0.0

151	6/26/2020	10:32:23	0.0	0.0	0.0
152	6/26/2020	10:33:23	0.0	0.0	0.0
153	6/26/2020	10:34:23	0.0	0.0	0.0
154	6/26/2020	10:35:23	0.0	0.0	0.0
155	6/26/2020	10:36:23	0.0	0.0	0.0
156	6/26/2020	10:37:23	0.0	0.0	0.0
157	6/26/2020	10:38:23	0.0	0.0	0.0
158	6/26/2020	10:39:23	0.0	0.0	0.0
159	6/26/2020	10:40:23	0.0	0.0	0.0
160	6/26/2020	10:41:23	0.0	0.0	0.0
161	6/26/2020	10:42:23	0.0	0.0	0.0
162	6/26/2020	10:43:23	0.0	0.0	0.0
163	6/26/2020	10:44:23	0.0	0.0	0.0
164	6/26/2020	10:45:23	0.0	0.0	0.0
165	6/26/2020	10:46:23	0.0	0.0	0.0
166	6/26/2020	10:47:23	0.0	0.0	0.0
167	6/26/2020	10:48:23	0.0	0.0	0.0
168	6/26/2020	10:49:23	0.0	0.0	0.0
169	6/26/2020	10:50:23	0.0	0.0	0.0
170	6/26/2020	10:51:23	0.0	0.0	0.0
171	6/26/2020	10:52:23	0.0	0.0	0.0
172	6/26/2020	10:53:23	0.0	0.0	0.0
173	6/26/2020	10:54:23	0.0	0.0	0.0
174	6/26/2020	10:55:23	0.0	0.0	0.0
175	6/26/2020	10:56:23	0.0	0.0	0.0
176	6/26/2020	10:57:23	0.0	0.0	0.0
177	6/26/2020	10:58:23	0.0	0.0	0.0
178	6/26/2020	10:59:23	0.0	0.0	0.0
179	6/26/2020	11:00:23	0.0	0.0	0.0
180	6/26/2020	11:01:23	0.0	0.0	0.0
181	6/26/2020	11:02:23	0.0	0.0	0.0
182	6/26/2020	11:03:23	0.0	0.0	0.0
183	6/26/2020	11:04:23	0.0	0.0	0.0
184	6/26/2020	11:05:23	0.0	0.0	0.0
185	6/26/2020	11:06:23	0.0	0.0	0.0
186	6/26/2020	11:07:23	0.0	0.0	0.0
187	6/26/2020	11:08:23	0.0	0.0	0.0
188	6/26/2020	11:09:23	0.0	0.0	0.0
189	6/26/2020	11:10:23	0.0	0.0	0.0
190	6/26/2020	11:11:23	0.0	0.0	0.0
191	6/26/2020	11:12:23	0.0	0.0	0.0
192	6/26/2020	11:13:23	0.0	0.0	0.0
193	6/26/2020	11:14:23	0.0	0.0	0.0
194	6/26/2020	11:15:23	0.0	0.0	0.0
195	6/26/2020	11:16:23	0.0	0.0	0.0
196	6/26/2020	11:17:23	0.0	0.0	0.0
197	6/26/2020	11:18:23	0.0	0.0	0.0
198	6/26/2020	11:19:23	0.0	0.0	0.0
199	6/26/2020	11:20:23	0.0	0.0	0.0
200	6/26/2020	11:21:23	0.0	0.0	0.0



201	6/26/2020	11:22:23	0.0	0.0	0.0
202	6/26/2020	11:23:23	0.0	0.0	0.0
203	6/26/2020	11:24:23	0.0	0.0	0.0
204	6/26/2020	11:25:23	0.0	0.0	0.0
205	6/26/2020	11:26:23	0.0	0.0	0.0
206	6/26/2020	11:27:23	0.0	0.0	0.0
207	6/26/2020	11:28:23	0.0	0.0	0.0
208	6/26/2020	11:29:23	0.0	0.0	0.0
209	6/26/2020	11:30:23	0.0	0.0	0.0
210	6/26/2020	11:31:23	0.0	0.0	0.0
211	6/26/2020	11:32:23	0.0	0.0	0.0
212	6/26/2020	11:33:23	0.0	0.0	0.0
213	6/26/2020	11:34:23	0.0	0.0	0.0
214	6/26/2020	11:35:23	0.0	0.0	0.0
215	6/26/2020	11:36:23	0.0	0.0	0.0
216	6/26/2020	11:37:23	0.0	0.0	0.0
217	6/26/2020	11:38:23	0.0	0.0	0.0
218	6/26/2020	11:39:23	0.0	0.0	0.0
219	6/26/2020	11:40:23	0.0	0.0	0.0
220	6/26/2020	11:41:23	0.0	0.0	0.0
221	6/26/2020	11:42:23	0.0	0.0	0.0
222	6/26/2020	11:43:23	0.0	0.0	0.0
223	6/26/2020	11:44:23	0.0	0.0	0.0
224	6/26/2020	11:45:23	0.0	0.0	0.0
225	6/26/2020	11:46:23	0.0	0.0	0.0
226	6/26/2020	11:47:23	0.0	0.0	0.0
227	6/26/2020	11:48:23	0.0	0.0	0.0
228	6/26/2020	11:49:23	0.0	0.0	0.0
229	6/26/2020	11:50:23	0.0	0.0	0.0
230	6/26/2020	11:51:23	0.0	0.0	0.0
231	6/26/2020	11:52:23	0.0	0.0	0.0
232	6/26/2020	11:53:23	0.0	0.0	0.0
233	6/26/2020	11:54:23	0.0	0.0	0.0
234	6/26/2020	11:55:23	0.0	0.0	0.0
235	6/26/2020	11:56:23	0.0	0.0	0.0
236	6/26/2020	11:57:23	0.0	0.0	0.0
237	6/26/2020	11:58:23	0.0	0.0	0.0
238	6/26/2020	11:59:23	0.0	0.0	0.0
239	6/26/2020	12:00:23	0.0	0.0	0.0
240	6/26/2020	12:01:23	0.0	0.0	0.0
241	6/26/2020	12:02:23	0.0	0.0	0.0
242	6/26/2020	12:03:23	0.0	0.0	0.0
243	6/26/2020	12:04:23	0.0	0.0	0.0
244	6/26/2020	12:05:23	0.0	0.0	0.0
245	6/26/2020	12:06:23	0.0	0.0	0.0
246	6/26/2020	12:07:23	0.0	0.0	0.0
247	6/26/2020	12:08:23	0.0	0.0	0.0
248	6/26/2020	12:09:23	0.0	0.0	0.0
249	6/26/2020	12:10:23	0.0	0.0	0.0
250	6/26/2020	12:11:23	0.0	0.0	0.0

251	6/26/2020	12:12:23	0.0	0.0	0.0
252	6/26/2020	12:13:23	0.0	0.0	0.0
253	6/26/2020	12:14:23	0.0	0.0	0.0
254	6/26/2020	12:15:23	0.0	0.0	0.0
255	6/26/2020	12:16:23	0.0	0.0	0.0
256	6/26/2020	12:17:23	0.0	0.0	0.0
257	6/26/2020	12:18:23	0.0	0.0	0.0
258	6/26/2020	12:19:23	0.0	0.0	0.0
259	6/26/2020	12:20:23	0.0	0.0	0.0
260	6/26/2020	12:21:23	0.0	0.0	0.0
261	6/26/2020	12:22:23	0.0	0.0	0.0
262	6/26/2020	12:23:23	0.0	0.0	0.0
263	6/26/2020	12:24:23	0.0	0.0	0.0
264	6/26/2020	12:25:23	0.0	0.0	0.0
265	6/26/2020	12:26:23	0.0	0.0	0.0
266	6/26/2020	12:27:23	0.0	0.0	0.0
267	6/26/2020	12:28:23	0.0	0.0	0.0
268	6/26/2020	12:29:23	0.0	0.0	0.0
269	6/26/2020	12:30:23	0.0	0.0	0.0
270	6/26/2020	12:31:23	0.0	0.0	0.0
271	6/26/2020	12:32:23	0.0	0.0	0.0
272	6/26/2020	12:33:23	0.0	0.0	0.0
273	6/26/2020	12:34:23	0.0	0.0	0.0
274	6/26/2020	12:35:23	0.0	0.0	0.0
275	6/26/2020	12:36:23	0.0	0.0	0.0
276	6/26/2020	12:37:23	0.0	0.0	0.0
277	6/26/2020	12:38:23	0.0	0.0	0.0
278	6/26/2020	12:39:23	0.0	0.0	0.0
279	6/26/2020	12:40:23	0.0	0.0	0.0
280	6/26/2020	12:41:23	0.0	0.0	0.0
281	6/26/2020	12:42:23	0.0	0.0	0.0
282	6/26/2020	12:43:23	0.0	0.0	0.0
283	6/26/2020	12:44:23	0.0	0.0	0.0
284	6/26/2020	12:45:23	0.0	0.0	0.0
285	6/26/2020	12:46:23	0.0	0.0	0.0
286	6/26/2020	12:47:23	0.0	0.0	0.0
287	6/26/2020	12:48:23	0.0	0.0	0.0
288	6/26/2020	12:49:23	0.0	0.0	0.0
289	6/26/2020	12:50:23	0.0	0.0	0.0
290	6/26/2020	12:51:23	0.0	0.0	0.0
291	6/26/2020	12:52:23	0.0	0.0	0.0
292	6/26/2020	12:53:23	0.0	0.0	0.0
293	6/26/2020	12:54:23	0.0	0.0	0.0
294	6/26/2020	12:55:23	0.0	0.0	0.0
295	6/26/2020	12:56:23	0.0	0.0	0.0
296	6/26/2020	12:57:23	0.0	0.0	0.0
297	6/26/2020	12:58:23	0.0	0.0	0.0
298	6/26/2020	12:59:23	0.0	0.0	0.0
299	6/26/2020	13:00:23	0.0	0.0	0.0
300	6/26/2020	13:01:23	0.0	0.0	0.0

301	6/26/2020	13:02:23	0.0	0.0	0.0
302	6/26/2020	13:03:23	0.0	0.0	0.0
303	6/26/2020	13:04:23	0.0	0.0	0.0
304	6/26/2020	13:05:23	0.0	0.0	0.0
305	6/26/2020	13:06:23	0.0	0.0	0.0
306	6/26/2020	13:07:23	0.0	0.0	0.0
307	6/26/2020	13:08:23	0.0	0.0	0.0
308	6/26/2020	13:09:23	0.0	0.0	0.0
309	6/26/2020	13:10:23	0.0	0.0	0.0
310	6/26/2020	13:11:23	0.0	0.0	0.0
311	6/26/2020	13:12:23	0.0	0.0	0.0
312	6/26/2020	13:13:23	0.0	0.0	0.0
313	6/26/2020	13:14:23	0.0	0.0	0.0
314	6/26/2020	13:15:23	0.0	0.0	0.0
315	6/26/2020	13:16:23	0.0	0.0	0.0
316	6/26/2020	13:17:23	0.0	0.0	0.0
317	6/26/2020	13:18:23	0.0	0.0	0.0
318	6/26/2020	13:19:23	0.0	0.0	0.0
319	6/26/2020	13:20:23	0.0	0.0	0.0
320	6/26/2020	13:21:23	0.0	0.0	0.0
321	6/26/2020	13:22:23	0.0	0.0	0.0
322	6/26/2020	13:23:23	0.0	0.0	0.0
323	6/26/2020	13:24:23	0.0	0.0	0.0
324	6/26/2020	13:25:23	0.0	0.0	0.0
325	6/26/2020	13:26:23	0.0	0.0	0.0
326	6/26/2020	13:27:23	0.0	0.0	0.0
327	6/26/2020	13:28:23	0.0	0.0	0.0
328	6/26/2020	13:29:23	0.0	0.0	0.0
329	6/26/2020	13:30:23	0.0	0.0	0.0
330	6/26/2020	13:31:23	0.0	0.0	0.0
331	6/26/2020	13:32:23	0.0	0.0	0.0
332	6/26/2020	13:33:23	0.0	0.0	0.0
333	6/26/2020	13:34:23	0.0	0.0	0.0
Peak		0.0	0.0	0.0	
Min		0.0	0.0	0.0	
Average		0.0	0.0	0.0	

\*\*\*\*\*

# TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	6/26/2020 08:02:23	0.0	---
002	6/26/2020 08:03:23	0.0	---
003	6/26/2020 08:04:23	0.0	---
004	6/26/2020 08:05:23	0.0	---
005	6/26/2020 08:06:23	0.0	---
006	6/26/2020 08:07:23	0.0	---
007	6/26/2020 08:08:23	0.0	---
008	6/26/2020 08:09:23	0.0	---
009	6/26/2020 08:10:23	0.0	---



010	6/26/2020 08:11:23	0.0	---
011	6/26/2020 08:12:23	0.0	---
012	6/26/2020 08:13:23	0.0	---
013	6/26/2020 08:14:23	0.0	---
014	6/26/2020 08:15:23	0.0	---
015	6/26/2020 08:16:23	0.0	0.0
016	6/26/2020 08:17:23	0.0	0.0
017	6/26/2020 08:18:23	0.0	0.0
018	6/26/2020 08:19:23	0.0	0.0
019	6/26/2020 08:20:23	0.0	0.0
020	6/26/2020 08:21:23	0.0	0.0
021	6/26/2020 08:22:23	0.0	0.0
022	6/26/2020 08:23:23	0.0	0.0
023	6/26/2020 08:24:23	0.0	0.0
024	6/26/2020 08:25:23	0.0	0.0
025	6/26/2020 08:26:23	0.0	0.0
026	6/26/2020 08:27:23	0.0	0.0
027	6/26/2020 08:28:23	0.0	0.0
028	6/26/2020 08:29:23	0.0	0.0
029	6/26/2020 08:30:23	0.0	0.0
030	6/26/2020 08:31:23	0.0	0.0
031	6/26/2020 08:32:23	0.0	0.0
032	6/26/2020 08:33:23	0.0	0.0
033	6/26/2020 08:34:23	0.0	0.0
034	6/26/2020 08:35:23	0.0	0.0
035	6/26/2020 08:36:23	0.0	0.0
036	6/26/2020 08:37:23	0.0	0.0
037	6/26/2020 08:38:23	0.0	0.0
038	6/26/2020 08:39:23	0.0	0.0
039	6/26/2020 08:40:23	0.0	0.0
040	6/26/2020 08:41:23	0.0	0.0
041	6/26/2020 08:42:23	0.0	0.0
042	6/26/2020 08:43:23	0.0	0.0
043	6/26/2020 08:44:23	0.0	0.0
044	6/26/2020 08:45:23	0.0	0.0
045	6/26/2020 08:46:23	0.0	0.0
046	6/26/2020 08:47:23	0.0	0.0
047	6/26/2020 08:48:23	0.0	0.0
048	6/26/2020 08:49:23	0.0	0.0
049	6/26/2020 08:50:23	0.0	0.0
050	6/26/2020 08:51:23	0.0	0.0
051	6/26/2020 08:52:23	0.0	0.0
052	6/26/2020 08:53:23	0.0	0.0
053	6/26/2020 08:54:23	0.0	0.0
054	6/26/2020 08:55:23	0.0	0.0
055	6/26/2020 08:56:23	0.0	0.0
056	6/26/2020 08:57:23	0.0	0.0
057	6/26/2020 08:58:23	0.0	0.0
058	6/26/2020 08:59:23	0.0	0.0
059	6/26/2020 09:00:23	0.0	0.0

060	6/26/2020 09:01:23	0.0	0.0
061	6/26/2020 09:02:23	0.0	0.0
062	6/26/2020 09:03:23	0.0	0.0
063	6/26/2020 09:04:23	0.0	0.0
064	6/26/2020 09:05:23	0.0	0.0
065	6/26/2020 09:06:23	0.0	0.0
066	6/26/2020 09:07:23	0.0	0.0
067	6/26/2020 09:08:23	0.0	0.0
068	6/26/2020 09:09:23	0.0	0.0
069	6/26/2020 09:10:23	0.0	0.0
070	6/26/2020 09:11:23	0.0	0.0
071	6/26/2020 09:12:23	0.0	0.0
072	6/26/2020 09:13:23	0.0	0.0
073	6/26/2020 09:14:23	0.0	0.0
074	6/26/2020 09:15:23	0.0	0.0
075	6/26/2020 09:16:23	0.0	0.0
076	6/26/2020 09:17:23	0.0	0.0
077	6/26/2020 09:18:23	0.0	0.0
078	6/26/2020 09:19:23	0.0	0.0
079	6/26/2020 09:20:23	0.0	0.0
080	6/26/2020 09:21:23	0.0	0.0
081	6/26/2020 09:22:23	0.0	0.0
082	6/26/2020 09:23:23	0.0	0.0
083	6/26/2020 09:24:23	0.0	0.0
084	6/26/2020 09:25:23	0.0	0.0
085	6/26/2020 09:26:23	0.0	0.0
086	6/26/2020 09:27:23	0.0	0.0
087	6/26/2020 09:28:23	0.0	0.0
088	6/26/2020 09:29:23	0.0	0.0
089	6/26/2020 09:30:23	0.0	0.0
090	6/26/2020 09:31:23	0.0	0.0
091	6/26/2020 09:32:23	0.0	0.0
092	6/26/2020 09:33:23	0.0	0.0
093	6/26/2020 09:34:23	0.0	0.0
094	6/26/2020 09:35:23	0.0	0.0
095	6/26/2020 09:36:23	0.0	0.0
096	6/26/2020 09:37:23	0.0	0.0
097	6/26/2020 09:38:23	0.0	0.0
098	6/26/2020 09:39:23	0.0	0.0
099	6/26/2020 09:40:23	0.0	0.0
100	6/26/2020 09:41:23	0.0	0.0
101	6/26/2020 09:42:23	0.0	0.0
102	6/26/2020 09:43:23	0.0	0.0
103	6/26/2020 09:44:23	0.0	0.0
104	6/26/2020 09:45:23	0.0	0.0
105	6/26/2020 09:46:23	0.0	0.0
106	6/26/2020 09:47:23	0.0	0.0
107	6/26/2020 09:48:23	0.0	0.0
108	6/26/2020 09:49:23	0.0	0.0
109	6/26/2020 09:50:23	0.0	0.0

110	6/26/2020 09:51:23	0.0	0.0
111	6/26/2020 09:52:23	0.0	0.0
112	6/26/2020 09:53:23	0.0	0.0
113	6/26/2020 09:54:23	0.0	0.0
114	6/26/2020 09:55:23	0.0	0.0
115	6/26/2020 09:56:23	0.0	0.0
116	6/26/2020 09:57:23	0.0	0.0
117	6/26/2020 09:58:23	0.0	0.0
118	6/26/2020 09:59:23	0.0	0.0
119	6/26/2020 10:00:23	0.0	0.0
120	6/26/2020 10:01:23	0.0	0.0
121	6/26/2020 10:02:23	0.0	0.0
122	6/26/2020 10:03:23	0.0	0.0
123	6/26/2020 10:04:23	0.0	0.0
124	6/26/2020 10:05:23	0.0	0.0
125	6/26/2020 10:06:23	0.0	0.0
126	6/26/2020 10:07:23	0.0	0.0
127	6/26/2020 10:08:23	0.0	0.0
128	6/26/2020 10:09:23	0.0	0.0
129	6/26/2020 10:10:23	0.0	0.0
130	6/26/2020 10:11:23	0.0	0.0
131	6/26/2020 10:12:23	0.0	0.0
132	6/26/2020 10:13:23	0.0	0.0
133	6/26/2020 10:14:23	0.0	0.0
134	6/26/2020 10:15:23	0.0	0.0
135	6/26/2020 10:16:23	0.0	0.0
136	6/26/2020 10:17:23	0.0	0.0
137	6/26/2020 10:18:23	0.0	0.0
138	6/26/2020 10:19:23	0.0	0.0
139	6/26/2020 10:20:23	0.0	0.0
140	6/26/2020 10:21:23	0.0	0.0
141	6/26/2020 10:22:23	0.0	0.0
142	6/26/2020 10:23:23	0.0	0.0
143	6/26/2020 10:24:23	0.0	0.0
144	6/26/2020 10:25:23	0.0	0.0
145	6/26/2020 10:26:23	0.0	0.0
146	6/26/2020 10:27:23	0.0	0.0
147	6/26/2020 10:28:23	0.0	0.0
148	6/26/2020 10:29:23	0.0	0.0
149	6/26/2020 10:30:23	0.0	0.0
150	6/26/2020 10:31:23	0.0	0.0
151	6/26/2020 10:32:23	0.0	0.0
152	6/26/2020 10:33:23	0.0	0.0
153	6/26/2020 10:34:23	0.0	0.0
154	6/26/2020 10:35:23	0.0	0.0
155	6/26/2020 10:36:23	0.0	0.0
156	6/26/2020 10:37:23	0.0	0.0
157	6/26/2020 10:38:23	0.0	0.0
158	6/26/2020 10:39:23	0.0	0.0
159	6/26/2020 10:40:23	0.0	0.0



160	6/26/2020	10:41:23	0.0	0.0
161	6/26/2020	10:42:23	0.0	0.0
162	6/26/2020	10:43:23	0.0	0.0
163	6/26/2020	10:44:23	0.0	0.0
164	6/26/2020	10:45:23	0.0	0.0
165	6/26/2020	10:46:23	0.0	0.0
166	6/26/2020	10:47:23	0.0	0.0
167	6/26/2020	10:48:23	0.0	0.0
168	6/26/2020	10:49:23	0.0	0.0
169	6/26/2020	10:50:23	0.0	0.0
170	6/26/2020	10:51:23	0.0	0.0
171	6/26/2020	10:52:23	0.0	0.0
172	6/26/2020	10:53:23	0.0	0.0
173	6/26/2020	10:54:23	0.0	0.0
174	6/26/2020	10:55:23	0.0	0.0
175	6/26/2020	10:56:23	0.0	0.0
176	6/26/2020	10:57:23	0.0	0.0
177	6/26/2020	10:58:23	0.0	0.0
178	6/26/2020	10:59:23	0.0	0.0
179	6/26/2020	11:00:23	0.0	0.0
180	6/26/2020	11:01:23	0.0	0.0
181	6/26/2020	11:02:23	0.0	0.0
182	6/26/2020	11:03:23	0.0	0.0
183	6/26/2020	11:04:23	0.0	0.0
184	6/26/2020	11:05:23	0.0	0.0
185	6/26/2020	11:06:23	0.0	0.0
186	6/26/2020	11:07:23	0.0	0.0
187	6/26/2020	11:08:23	0.0	0.0
188	6/26/2020	11:09:23	0.0	0.0
189	6/26/2020	11:10:23	0.0	0.0
190	6/26/2020	11:11:23	0.0	0.0
191	6/26/2020	11:12:23	0.0	0.0
192	6/26/2020	11:13:23	0.0	0.0
193	6/26/2020	11:14:23	0.0	0.0
194	6/26/2020	11:15:23	0.0	0.0
195	6/26/2020	11:16:23	0.0	0.0
196	6/26/2020	11:17:23	0.0	0.0
197	6/26/2020	11:18:23	0.0	0.0
198	6/26/2020	11:19:23	0.0	0.0
199	6/26/2020	11:20:23	0.0	0.0
200	6/26/2020	11:21:23	0.0	0.0
201	6/26/2020	11:22:23	0.0	0.0
202	6/26/2020	11:23:23	0.0	0.0
203	6/26/2020	11:24:23	0.0	0.0
204	6/26/2020	11:25:23	0.0	0.0
205	6/26/2020	11:26:23	0.0	0.0
206	6/26/2020	11:27:23	0.0	0.0
207	6/26/2020	11:28:23	0.0	0.0
208	6/26/2020	11:29:23	0.0	0.0
209	6/26/2020	11:30:23	0.0	0.0

210	6/26/2020	11:31:23	0.0	0.0
211	6/26/2020	11:32:23	0.0	0.0
212	6/26/2020	11:33:23	0.0	0.0
213	6/26/2020	11:34:23	0.0	0.0
214	6/26/2020	11:35:23	0.0	0.0
215	6/26/2020	11:36:23	0.0	0.0
216	6/26/2020	11:37:23	0.0	0.0
217	6/26/2020	11:38:23	0.0	0.0
218	6/26/2020	11:39:23	0.0	0.0
219	6/26/2020	11:40:23	0.0	0.0
220	6/26/2020	11:41:23	0.0	0.0
221	6/26/2020	11:42:23	0.0	0.0
222	6/26/2020	11:43:23	0.0	0.0
223	6/26/2020	11:44:23	0.0	0.0
224	6/26/2020	11:45:23	0.0	0.0
225	6/26/2020	11:46:23	0.0	0.0
226	6/26/2020	11:47:23	0.0	0.0
227	6/26/2020	11:48:23	0.0	0.0
228	6/26/2020	11:49:23	0.0	0.0
229	6/26/2020	11:50:23	0.0	0.0
230	6/26/2020	11:51:23	0.0	0.0
231	6/26/2020	11:52:23	0.0	0.0
232	6/26/2020	11:53:23	0.0	0.0
233	6/26/2020	11:54:23	0.0	0.0
234	6/26/2020	11:55:23	0.0	0.0
235	6/26/2020	11:56:23	0.0	0.0
236	6/26/2020	11:57:23	0.0	0.0
237	6/26/2020	11:58:23	0.0	0.0
238	6/26/2020	11:59:23	0.0	0.0
239	6/26/2020	12:00:23	0.0	0.0
240	6/26/2020	12:01:23	0.0	0.0
241	6/26/2020	12:02:23	0.0	0.0
242	6/26/2020	12:03:23	0.0	0.0
243	6/26/2020	12:04:23	0.0	0.0
244	6/26/2020	12:05:23	0.0	0.0
245	6/26/2020	12:06:23	0.0	0.0
246	6/26/2020	12:07:23	0.0	0.0
247	6/26/2020	12:08:23	0.0	0.0
248	6/26/2020	12:09:23	0.0	0.0
249	6/26/2020	12:10:23	0.0	0.0
250	6/26/2020	12:11:23	0.0	0.0
251	6/26/2020	12:12:23	0.0	0.0
252	6/26/2020	12:13:23	0.0	0.0
253	6/26/2020	12:14:23	0.0	0.0
254	6/26/2020	12:15:23	0.0	0.0
255	6/26/2020	12:16:23	0.0	0.0
256	6/26/2020	12:17:23	0.0	0.0
257	6/26/2020	12:18:23	0.0	0.0
258	6/26/2020	12:19:23	0.0	0.0
259	6/26/2020	12:20:23	0.0	0.0

260	6/26/2020	12:21:23	0.0	0.0
261	6/26/2020	12:22:23	0.0	0.0
262	6/26/2020	12:23:23	0.0	0.0
263	6/26/2020	12:24:23	0.0	0.0
264	6/26/2020	12:25:23	0.0	0.0
265	6/26/2020	12:26:23	0.0	0.0
266	6/26/2020	12:27:23	0.0	0.0
267	6/26/2020	12:28:23	0.0	0.0
268	6/26/2020	12:29:23	0.0	0.0
269	6/26/2020	12:30:23	0.0	0.0
270	6/26/2020	12:31:23	0.0	0.0
271	6/26/2020	12:32:23	0.0	0.0
272	6/26/2020	12:33:23	0.0	0.0
273	6/26/2020	12:34:23	0.0	0.0
274	6/26/2020	12:35:23	0.0	0.0
275	6/26/2020	12:36:23	0.0	0.0
276	6/26/2020	12:37:23	0.0	0.0
277	6/26/2020	12:38:23	0.0	0.0
278	6/26/2020	12:39:23	0.0	0.0
279	6/26/2020	12:40:23	0.0	0.0
280	6/26/2020	12:41:23	0.0	0.0
281	6/26/2020	12:42:23	0.0	0.0
282	6/26/2020	12:43:23	0.0	0.0
283	6/26/2020	12:44:23	0.0	0.0
284	6/26/2020	12:45:23	0.0	0.0
285	6/26/2020	12:46:23	0.0	0.0
286	6/26/2020	12:47:23	0.0	0.0
287	6/26/2020	12:48:23	0.0	0.0
288	6/26/2020	12:49:23	0.0	0.0
289	6/26/2020	12:50:23	0.0	0.0
290	6/26/2020	12:51:23	0.0	0.0
291	6/26/2020	12:52:23	0.0	0.0
292	6/26/2020	12:53:23	0.0	0.0
293	6/26/2020	12:54:23	0.0	0.0
294	6/26/2020	12:55:23	0.0	0.0
295	6/26/2020	12:56:23	0.0	0.0
296	6/26/2020	12:57:23	0.0	0.0
297	6/26/2020	12:58:23	0.0	0.0
298	6/26/2020	12:59:23	0.0	0.0
299	6/26/2020	13:00:23	0.0	0.0
300	6/26/2020	13:01:23	0.0	0.0
301	6/26/2020	13:02:23	0.0	0.0
302	6/26/2020	13:03:23	0.0	0.0
303	6/26/2020	13:04:23	0.0	0.0
304	6/26/2020	13:05:23	0.0	0.0
305	6/26/2020	13:06:23	0.0	0.0
306	6/26/2020	13:07:23	0.0	0.0
307	6/26/2020	13:08:23	0.0	0.0
308	6/26/2020	13:09:23	0.0	0.0
309	6/26/2020	13:10:23	0.0	0.0



310	6/26/2020	13:11:23	0.0	0.0
311	6/26/2020	13:12:23	0.0	0.0
312	6/26/2020	13:13:23	0.0	0.0
313	6/26/2020	13:14:23	0.0	0.0
314	6/26/2020	13:15:23	0.0	0.0
315	6/26/2020	13:16:23	0.0	0.0
316	6/26/2020	13:17:23	0.0	0.0
317	6/26/2020	13:18:23	0.0	0.0
318	6/26/2020	13:19:23	0.0	0.0
319	6/26/2020	13:20:23	0.0	0.0
320	6/26/2020	13:21:23	0.0	0.0
321	6/26/2020	13:22:23	0.0	0.0
322	6/26/2020	13:23:23	0.0	0.0
323	6/26/2020	13:24:23	0.0	0.0
324	6/26/2020	13:25:23	0.0	0.0
325	6/26/2020	13:26:23	0.0	0.0
326	6/26/2020	13:27:23	0.0	0.0
327	6/26/2020	13:28:23	0.0	0.0
328	6/26/2020	13:29:23	0.0	0.0
329	6/26/2020	13:30:23	0.0	0.0
330	6/26/2020	13:31:23	0.0	0.0
331	6/26/2020	13:32:23	0.0	0.0
332	6/26/2020	13:33:23	0.0	0.0
333	6/26/2020	13:34:23	0.0	0.0

=====  
20/06/30 10:30

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#### Summary

-----  
Unit Name           MiniRAE 3000(PGM-7320)  
Unit SN 592-909630  
Unit Firmware Ver       V2.20A  
-----

Running Mode       Hygiene Mode  
Datalog Mode       Auto  
Diagnostic Mode No  
Stop Reason       Power Down  
-----

Site ID 12345678  
User ID 12345678  
-----

Begin   6/30/2020 10:30:01  
End     6/30/2020 10:30:48  
Sample Period(s)       60  
Number of Records       0  
-----

Sensor   PID(ppm)  
Sensor SN       S023030086R6  
Measure Type     Avg; Max; Real  
Span     100.0

Datalog Mode Auto  
Diagnostic Mode No  
Stop Reason Power Down

-----  
Site ID 12345678  
User ID 12345678  
-----

Begin 6/24/2020 08:06:46  
End 6/24/2020 08:07:18  
Sample Period(s) 60  
Number of Records 0  
-----

Sensor PID(ppm)  
Sensor SN S023030414R7  
Measure Type Avg; Max; Real  
Span 100.0  
Span 2 1000.0  
Low Alarm 50.0  
High Alarm 100.0  
Over Alarm 15000.0  
STEL Alarm 25.0  
TWA Alarm 10.0  
Measurement Gas Isobutylene  
Calibration Time 6/19/2020 12:05

\*\*\*\*\*

Datalog

0 record.

=====  
20/06/24 08:22

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Summary

-----  
Unit Name MiniRAE 3000(PGM-7320)  
Unit SN 592-913116  
Unit Firmware Ver V2.20A  
-----

Running Mode Hygiene Mode  
Datalog Mode Auto  
Diagnostic Mode No  
Stop Reason Power Down  
-----

Site ID 12345678  
User ID 12345678  
-----

Begin 6/24/2020 08:22:02  
End 6/24/2020 17:24:42  
Sample Period(s) 60

Number of Records 542

-----  
Sensor PID(ppm)

Sensor SN S023030414R7

Measure Type Avg; Max; Real

Span 100.0

Span 2 1000.0

Low Alarm 50.0

High Alarm 100.0

Over Alarm 15000.0

STEL Alarm 25.0

TWA Alarm 10.0

Measurement Gas Isobutylene

Calibration Time 6/19/2020 12:05

Peak 2.7

Min 0.0

Average 0.0

\*\*\*\*\*

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	6/24/2020 08:23:02	0.0	0.0	0.0	0.0
002	6/24/2020 08:24:02	0.0	0.0	0.0	0.0
003	6/24/2020 08:25:02	0.0	0.0	0.0	0.0
004	6/24/2020 08:26:02	0.0	0.0	0.0	0.0
005	6/24/2020 08:27:02	0.0	0.0	0.0	0.0
006	6/24/2020 08:28:02	0.0	0.0	0.0	0.0
007	6/24/2020 08:29:02	0.0	0.0	0.0	0.0
008	6/24/2020 08:30:02	0.0	0.0	0.0	0.0
009	6/24/2020 08:31:02	0.0	0.0	0.0	0.0
010	6/24/2020 08:32:02	0.0	0.0	0.0	0.0
011	6/24/2020 08:33:02	0.0	0.0	0.0	0.0
012	6/24/2020 08:34:02	0.0	0.0	0.0	0.0
013	6/24/2020 08:35:02	0.0	0.0	0.0	0.0
014	6/24/2020 08:36:02	0.0	0.0	0.0	0.0
015	6/24/2020 08:37:02	0.0	0.0	0.0	0.0
016	6/24/2020 08:38:02	0.0	0.0	0.0	0.0
017	6/24/2020 08:39:02	0.0	0.0	0.0	0.0
018	6/24/2020 08:40:02	0.0	0.0	0.0	0.0
019	6/24/2020 08:41:02	0.0	0.0	0.0	0.0
020	6/24/2020 08:42:02	0.0	0.0	0.0	0.0
021	6/24/2020 08:43:02	0.0	0.0	0.0	0.0
022	6/24/2020 08:44:02	0.0	0.0	0.0	0.0
023	6/24/2020 08:45:02	0.0	0.0	0.0	0.0
024	6/24/2020 08:46:02	0.0	0.0	0.0	0.0
025	6/24/2020 08:47:02	0.0	0.0	0.0	0.0
026	6/24/2020 08:48:02	0.0	0.0	0.0	0.0
027	6/24/2020 08:49:02	0.0	0.0	0.0	0.0
028	6/24/2020 08:50:02	0.0	0.0	0.0	0.0



029	6/24/2020 08:51:02	0.0	0.0	0.0
030	6/24/2020 08:52:02	0.0	0.0	0.0
031	6/24/2020 08:53:02	0.0	0.0	0.0
032	6/24/2020 08:54:02	0.0	0.0	0.0
033	6/24/2020 08:55:02	0.0	0.0	0.0
034	6/24/2020 08:56:02	0.0	0.0	0.0
035	6/24/2020 08:57:02	0.0	0.0	0.0
036	6/24/2020 08:58:02	0.0	0.0	0.0
037	6/24/2020 08:59:02	0.0	0.0	0.0
038	6/24/2020 09:00:02	0.0	0.0	0.0
039	6/24/2020 09:01:02	0.0	0.0	0.0
040	6/24/2020 09:02:02	0.0	0.0	0.0
041	6/24/2020 09:03:02	0.0	0.0	0.0
042	6/24/2020 09:04:02	0.0	0.0	0.0
043	6/24/2020 09:05:02	0.0	0.0	0.0
044	6/24/2020 09:06:02	0.0	0.0	0.0
045	6/24/2020 09:07:02	0.0	0.0	0.0
046	6/24/2020 09:08:02	0.0	0.0	0.0
047	6/24/2020 09:09:02	0.0	0.0	0.0
048	6/24/2020 09:10:02	0.0	0.0	0.0
049	6/24/2020 09:11:02	0.0	0.0	0.0
050	6/24/2020 09:12:02	0.0	0.0	0.0
051	6/24/2020 09:13:02	0.0	0.0	0.0
052	6/24/2020 09:14:02	0.0	0.0	0.0
053	6/24/2020 09:15:02	0.0	0.0	0.0
054	6/24/2020 09:16:02	0.0	0.0	0.0
055	6/24/2020 09:17:02	0.0	0.0	0.0
056	6/24/2020 09:18:02	0.0	0.0	0.0
057	6/24/2020 09:19:02	0.0	0.0	0.0
058	6/24/2020 09:20:02	0.0	0.0	0.0
059	6/24/2020 09:21:02	0.0	0.0	0.0
060	6/24/2020 09:22:02	0.0	0.0	0.0
061	6/24/2020 09:23:02	0.0	0.0	0.0
062	6/24/2020 09:24:02	0.0	0.0	0.0
063	6/24/2020 09:25:02	0.0	0.0	0.0
064	6/24/2020 09:26:02	0.0	0.0	0.0
065	6/24/2020 09:27:02	0.0	0.0	0.0
066	6/24/2020 09:28:02	0.0	0.0	0.0
067	6/24/2020 09:29:02	0.0	0.0	0.0
068	6/24/2020 09:30:02	0.0	0.0	0.0
069	6/24/2020 09:31:02	0.0	0.0	0.0
070	6/24/2020 09:32:02	0.0	0.0	0.0
071	6/24/2020 09:33:02	0.0	0.0	0.0
072	6/24/2020 09:34:02	0.0	0.0	0.0
073	6/24/2020 09:35:02	0.0	0.0	0.0
074	6/24/2020 09:36:02	0.0	0.0	0.0
075	6/24/2020 09:37:02	0.0	0.0	0.0
076	6/24/2020 09:38:02	0.0	0.0	0.0
077	6/24/2020 09:39:02	0.0	0.0	0.0
078	6/24/2020 09:40:02	0.0	0.0	0.0

079	6/24/2020 09:41:02	0.0	0.2	0.0
080	6/24/2020 09:42:02	0.0	0.0	0.0
081	6/24/2020 09:43:02	0.0	0.0	0.0
082	6/24/2020 09:44:02	0.0	0.0	0.0
083	6/24/2020 09:45:02	0.0	0.0	0.0
084	6/24/2020 09:46:02	0.0	0.0	0.0
085	6/24/2020 09:47:02	0.0	0.0	0.0
086	6/24/2020 09:48:02	0.0	0.0	0.0
087	6/24/2020 09:49:02	0.0	0.0	0.0
088	6/24/2020 09:50:02	0.0	0.0	0.0
089	6/24/2020 09:51:02	0.0	0.0	0.0
090	6/24/2020 09:52:02	0.0	0.0	0.0
091	6/24/2020 09:53:02	0.0	0.0	0.0
092	6/24/2020 09:54:02	0.0	0.0	0.0
093	6/24/2020 09:55:02	0.0	0.0	0.0
094	6/24/2020 09:56:02	0.0	0.0	0.0
095	6/24/2020 09:57:02	0.0	0.0	0.0
096	6/24/2020 09:58:02	0.0	0.0	0.0
097	6/24/2020 09:59:02	0.0	0.0	0.0
098	6/24/2020 10:00:02	0.0	0.0	0.0
099	6/24/2020 10:01:02	0.0	0.0	0.0
100	6/24/2020 10:02:02	0.0	0.0	0.0
101	6/24/2020 10:03:02	0.0	0.0	0.0
102	6/24/2020 10:04:02	0.0	0.0	0.0
103	6/24/2020 10:05:02	0.0	0.0	0.0
104	6/24/2020 10:06:02	0.0	0.0	0.0
105	6/24/2020 10:07:02	0.0	0.0	0.0
106	6/24/2020 10:08:02	0.0	0.2	0.0
107	6/24/2020 10:09:02	0.0	0.1	0.0
108	6/24/2020 10:10:02	0.0	0.0	0.0
109	6/24/2020 10:11:02	0.0	0.0	0.0
110	6/24/2020 10:12:02	0.0	0.0	0.0
111	6/24/2020 10:13:02	0.0	0.0	0.0
112	6/24/2020 10:14:02	0.0	0.0	0.0
113	6/24/2020 10:15:02	0.0	0.0	0.0
114	6/24/2020 10:16:02	0.0	0.0	0.0
115	6/24/2020 10:17:02	0.0	0.0	0.0
116	6/24/2020 10:18:02	0.0	0.0	0.0
117	6/24/2020 10:19:02	0.0	0.0	0.0
118	6/24/2020 10:20:02	0.0	0.0	0.0
119	6/24/2020 10:21:02	0.0	0.0	0.0
120	6/24/2020 10:22:02	0.0	0.0	0.0
121	6/24/2020 10:23:02	0.0	0.0	0.0
122	6/24/2020 10:24:02	0.0	0.0	0.0
123	6/24/2020 10:25:02	0.0	0.0	0.0
124	6/24/2020 10:26:02	0.0	0.0	0.0
125	6/24/2020 10:27:02	0.0	0.0	0.0
126	6/24/2020 10:28:02	0.0	0.0	0.0
127	6/24/2020 10:29:02	0.0	0.0	0.0
128	6/24/2020 10:30:02	0.0	0.0	0.0

129	6/24/2020	10:31:02	0.0	0.0	0.0
130	6/24/2020	10:32:02	0.0	0.0	0.0
131	6/24/2020	10:33:02	0.0	0.0	0.0
132	6/24/2020	10:34:02	0.0	0.0	0.0
133	6/24/2020	10:35:02	0.0	0.0	0.0
134	6/24/2020	10:36:02	0.0	0.0	0.0
135	6/24/2020	10:37:02	0.0	0.0	0.0
136	6/24/2020	10:38:02	0.0	0.0	0.0
137	6/24/2020	10:39:02	0.0	0.0	0.0
138	6/24/2020	10:40:02	0.0	0.0	0.0
139	6/24/2020	10:41:02	0.0	0.0	0.0
140	6/24/2020	10:42:02	0.0	0.0	0.0
141	6/24/2020	10:43:02	0.0	0.0	0.0
142	6/24/2020	10:44:02	0.0	0.0	0.0
143	6/24/2020	10:45:02	0.0	0.0	0.0
144	6/24/2020	10:46:02	0.0	0.0	0.0
145	6/24/2020	10:47:02	0.0	0.0	0.0
146	6/24/2020	10:48:02	0.0	0.0	0.0
147	6/24/2020	10:49:02	0.0	0.0	0.0
148	6/24/2020	10:50:02	0.0	0.0	0.0
149	6/24/2020	10:51:02	0.0	0.0	0.0
150	6/24/2020	10:52:02	0.0	0.0	0.0
151	6/24/2020	10:53:02	0.0	0.0	0.0
152	6/24/2020	10:54:02	0.0	0.0	0.0
153	6/24/2020	10:55:02	0.0	0.0	0.0
154	6/24/2020	10:56:02	0.0	0.0	0.0
155	6/24/2020	10:57:02	0.0	0.0	0.0
156	6/24/2020	10:58:02	0.0	0.0	0.0
157	6/24/2020	10:59:02	0.0	0.0	0.0
158	6/24/2020	11:00:02	0.0	0.0	0.0
159	6/24/2020	11:01:02	0.0	0.0	0.0
160	6/24/2020	11:02:02	0.0	0.0	0.0
161	6/24/2020	11:03:02	0.0	0.1	0.0
162	6/24/2020	11:04:02	0.0	0.0	0.0
163	6/24/2020	11:05:02	0.0	0.0	0.0
164	6/24/2020	11:06:02	0.0	0.0	0.0
165	6/24/2020	11:07:02	0.0	0.0	0.0
166	6/24/2020	11:08:02	0.0	0.0	0.0
167	6/24/2020	11:09:02	0.0	0.0	0.0
168	6/24/2020	11:10:02	0.0	0.0	0.0
169	6/24/2020	11:11:02	0.0	0.0	0.0
170	6/24/2020	11:12:02	0.0	0.0	0.0
171	6/24/2020	11:13:02	0.0	0.0	0.0
172	6/24/2020	11:14:02	0.0	0.0	0.0
173	6/24/2020	11:15:02	0.0	0.0	0.0
174	6/24/2020	11:16:02	0.0	0.0	0.0
175	6/24/2020	11:17:02	0.0	0.0	0.0
176	6/24/2020	11:18:02	0.0	0.0	0.0
177	6/24/2020	11:19:02	0.0	0.0	0.0
178	6/24/2020	11:20:02	0.0	0.0	0.0



179	6/24/2020	11:21:02	0.0	0.0	0.0
180	6/24/2020	11:22:02	0.0	0.5	0.4
181	6/24/2020	11:23:02	0.0	0.3	0.0
182	6/24/2020	11:24:02	0.0	0.0	0.0
183	6/24/2020	11:25:02	0.0	0.0	0.0
184	6/24/2020	11:26:02	0.0	0.0	0.0
185	6/24/2020	11:27:02	0.0	0.0	0.0
186	6/24/2020	11:28:02	0.0	0.0	0.0
187	6/24/2020	11:29:02	0.0	0.0	0.0
188	6/24/2020	11:30:02	0.0	0.0	0.0
189	6/24/2020	11:31:02	0.0	0.0	0.0
190	6/24/2020	11:32:02	0.0	0.0	0.0
191	6/24/2020	11:33:02	0.0	0.0	0.0
192	6/24/2020	11:34:02	0.0	0.0	0.0
193	6/24/2020	11:35:02	0.0	0.0	0.0
194	6/24/2020	11:36:02	0.0	0.0	0.0
195	6/24/2020	11:37:02	0.0	0.0	0.0
196	6/24/2020	11:38:02	0.0	0.0	0.0
197	6/24/2020	11:39:02	0.0	0.0	0.0
198	6/24/2020	11:40:02	0.0	0.0	0.0
199	6/24/2020	11:41:02	0.0	0.0	0.0
200	6/24/2020	11:42:02	0.0	0.0	0.0
201	6/24/2020	11:43:02	0.0	0.0	0.0
202	6/24/2020	11:44:02	0.0	0.0	0.0
203	6/24/2020	11:45:02	0.0	0.0	0.0
204	6/24/2020	11:46:02	0.0	0.1	0.0
205	6/24/2020	11:47:02	0.0	0.0	0.0
206	6/24/2020	11:48:02	0.0	0.0	0.0
207	6/24/2020	11:49:02	0.0	0.0	0.0
208	6/24/2020	11:50:02	0.0	0.0	0.0
209	6/24/2020	11:51:02	0.0	0.0	0.0
210	6/24/2020	11:52:02	0.0	0.0	0.0
211	6/24/2020	11:53:02	0.0	0.0	0.0
212	6/24/2020	11:54:02	0.0	0.0	0.0
213	6/24/2020	11:55:02	0.0	0.0	0.0
214	6/24/2020	11:56:02	0.0	0.0	0.0
215	6/24/2020	11:57:02	0.0	0.1	0.0
216	6/24/2020	11:58:02	0.0	0.0	0.0
217	6/24/2020	11:59:02	0.0	0.2	0.0
218	6/24/2020	12:00:02	0.0	0.0	0.0
219	6/24/2020	12:01:02	0.0	0.0	0.0
220	6/24/2020	12:02:02	0.0	0.0	0.0
221	6/24/2020	12:03:02	0.0	0.0	0.0
222	6/24/2020	12:04:02	0.0	0.0	0.0
223	6/24/2020	12:05:02	0.0	0.0	0.0
224	6/24/2020	12:06:02	0.0	0.0	0.0
225	6/24/2020	12:07:02	0.0	0.0	0.0
226	6/24/2020	12:08:02	0.0	0.0	0.0
227	6/24/2020	12:09:02	0.0	0.0	0.0
228	6/24/2020	12:10:02	0.0	0.0	0.0

229	6/24/2020	12:11:02	0.0	0.0	0.0
230	6/24/2020	12:12:02	0.0	0.0	0.0
231	6/24/2020	12:13:02	0.0	0.0	0.0
232	6/24/2020	12:14:02	0.0	0.0	0.0
233	6/24/2020	12:15:02	0.0	0.0	0.0
234	6/24/2020	12:16:02	0.0	0.0	0.0
235	6/24/2020	12:17:02	0.0	0.0	0.0
236	6/24/2020	12:18:02	0.0	0.0	0.0
237	6/24/2020	12:19:02	0.0	0.0	0.0
238	6/24/2020	12:20:02	0.0	0.0	0.0
239	6/24/2020	12:21:02	0.0	0.0	0.0
240	6/24/2020	12:22:02	0.0	0.0	0.0
241	6/24/2020	12:23:02	0.0	0.0	0.0
242	6/24/2020	12:24:02	0.0	0.0	0.0
243	6/24/2020	12:25:02	0.0	0.0	0.0
244	6/24/2020	12:26:02	0.0	0.0	0.0
245	6/24/2020	12:27:02	0.0	0.0	0.0
246	6/24/2020	12:28:02	0.0	0.0	0.0
247	6/24/2020	12:29:02	0.0	0.0	0.0
248	6/24/2020	12:30:02	0.0	0.0	0.0
249	6/24/2020	12:31:02	0.0	0.0	0.0
250	6/24/2020	12:32:02	0.0	0.0	0.0
251	6/24/2020	12:33:02	0.0	0.0	0.0
252	6/24/2020	12:34:02	0.0	0.0	0.0
253	6/24/2020	12:35:02	0.0	0.0	0.0
254	6/24/2020	12:36:02	0.0	0.0	0.0
255	6/24/2020	12:37:02	0.0	0.0	0.0
256	6/24/2020	12:38:02	0.0	0.0	0.0
257	6/24/2020	12:39:02	0.0	0.0	0.0
258	6/24/2020	12:40:02	0.0	0.0	0.0
259	6/24/2020	12:41:02	0.0	0.0	0.0
260	6/24/2020	12:42:02	0.0	0.0	0.0
261	6/24/2020	12:43:02	0.0	0.0	0.0
262	6/24/2020	12:44:02	0.0	0.0	0.0
263	6/24/2020	12:45:02	0.0	0.0	0.0
264	6/24/2020	12:46:02	0.0	0.0	0.0
265	6/24/2020	12:47:02	0.0	0.0	0.0
266	6/24/2020	12:48:02	0.0	0.0	0.0
267	6/24/2020	12:49:02	0.0	0.0	0.0
268	6/24/2020	12:50:02	0.0	0.0	0.0
269	6/24/2020	12:51:02	0.0	0.0	0.0
270	6/24/2020	12:52:02	0.0	0.0	0.0
271	6/24/2020	12:53:02	0.0	0.1	0.0
272	6/24/2020	12:54:02	0.0	0.0	0.0
273	6/24/2020	12:55:02	0.0	0.0	0.0
274	6/24/2020	12:56:02	0.0	0.0	0.0
275	6/24/2020	12:57:02	0.0	0.0	0.0
276	6/24/2020	12:58:02	0.0	0.0	0.0
277	6/24/2020	12:59:02	0.0	0.0	0.0
278	6/24/2020	13:00:02	0.0	0.2	0.0

279	6/24/2020	13:01:02	0.0	0.0	0.0
280	6/24/2020	13:02:02	0.0	0.1	0.0
281	6/24/2020	13:03:02	0.1	0.4	0.0
282	6/24/2020	13:04:02	0.0	0.0	0.0
283	6/24/2020	13:05:02	0.0	0.0	0.0
284	6/24/2020	13:06:02	0.0	0.0	0.0
285	6/24/2020	13:07:02	0.0	0.0	0.0
286	6/24/2020	13:08:02	0.0	0.0	0.0
287	6/24/2020	13:09:02	0.0	0.0	0.0
288	6/24/2020	13:10:02	0.0	0.0	0.0
289	6/24/2020	13:11:02	0.0	0.0	0.0
290	6/24/2020	13:12:02	0.0	0.0	0.0
291	6/24/2020	13:13:02	0.0	0.0	0.0
292	6/24/2020	13:14:02	0.0	0.0	0.0
293	6/24/2020	13:15:02	0.0	0.0	0.0
294	6/24/2020	13:16:02	0.0	0.0	0.0
295	6/24/2020	13:17:02	0.0	0.0	0.0
296	6/24/2020	13:18:02	0.0	0.0	0.0
297	6/24/2020	13:19:02	0.0	0.0	0.0
298	6/24/2020	13:20:02	0.0	0.0	0.0
299	6/24/2020	13:21:02	0.0	0.0	0.0
300	6/24/2020	13:22:02	0.0	0.0	0.0
301	6/24/2020	13:23:02	0.0	0.0	0.0
302	6/24/2020	13:24:02	0.0	0.0	0.0
303	6/24/2020	13:25:02	0.0	0.0	0.0
304	6/24/2020	13:26:02	0.0	0.0	0.0
305	6/24/2020	13:27:02	0.0	0.0	0.0
306	6/24/2020	13:28:02	0.0	0.0	0.0
307	6/24/2020	13:29:02	0.0	0.0	0.0
308	6/24/2020	13:30:02	0.0	0.0	0.0
309	6/24/2020	13:31:02	0.0	0.0	0.0
310	6/24/2020	13:32:02	0.0	0.0	0.0
311	6/24/2020	13:33:02	0.0	0.0	0.0
312	6/24/2020	13:34:02	0.0	0.0	0.0
313	6/24/2020	13:35:02	0.0	0.0	0.0
314	6/24/2020	13:36:02	0.0	0.0	0.0
315	6/24/2020	13:37:02	0.0	0.0	0.0
316	6/24/2020	13:38:02	0.0	0.0	0.0
317	6/24/2020	13:39:02	0.0	0.0	0.0
318	6/24/2020	13:40:02	0.0	0.0	0.0
319	6/24/2020	13:41:02	0.0	0.0	0.0
320	6/24/2020	13:42:02	0.0	0.0	0.0
321	6/24/2020	13:43:02	0.0	0.0	0.0
322	6/24/2020	13:44:02	0.0	0.0	0.0
323	6/24/2020	13:45:02	0.0	0.1	0.0
324	6/24/2020	13:46:02	0.0	0.0	0.0
325	6/24/2020	13:47:02	0.0	0.0	0.0
326	6/24/2020	13:48:02	0.0	0.0	0.0
327	6/24/2020	13:49:02	0.0	0.0	0.0
328	6/24/2020	13:50:02	0.0	0.0	0.0



329	6/24/2020 13:51:02	0.0	0.0	0.0
330	6/24/2020 13:52:02	0.0	0.0	0.0
331	6/24/2020 13:53:02	0.0	0.0	0.0
332	6/24/2020 13:54:02	0.0	0.1	0.0
333	6/24/2020 13:55:02	0.0	0.0	0.0
334	6/24/2020 13:56:02	0.0	0.0	0.0
335	6/24/2020 13:57:02	0.2	2.3	0.0
336	6/24/2020 13:58:02	0.1	0.6	0.0
337	6/24/2020 13:59:02	0.0	0.0	0.0
338	6/24/2020 14:00:02	0.0	0.1	0.0
339	6/24/2020 14:01:02	0.0	0.0	0.0
340	6/24/2020 14:02:02	0.0	0.0	0.0
341	6/24/2020 14:03:02	0.0	0.0	0.0
342	6/24/2020 14:04:02	0.0	0.0	0.0
343	6/24/2020 14:05:02	0.1	0.7	0.1
344	6/24/2020 14:06:02	0.0	0.0	0.0
345	6/24/2020 14:07:02	0.0	0.0	0.0
346	6/24/2020 14:08:02	0.0	0.0	0.0
347	6/24/2020 14:09:02	0.0	0.0	0.0
348	6/24/2020 14:10:02	0.0	0.0	0.0
349	6/24/2020 14:11:02	0.0	0.0	0.0
350	6/24/2020 14:12:02	0.0	0.0	0.0
351	6/24/2020 14:13:02	0.0	0.0	0.0
352	6/24/2020 14:14:02	0.0	0.0	0.0
353	6/24/2020 14:15:02	0.0	0.0	0.0
354	6/24/2020 14:16:02	0.0	0.0	0.0
355	6/24/2020 14:17:02	0.0	0.0	0.0
356	6/24/2020 14:18:02	0.0	0.0	0.0
357	6/24/2020 14:19:02	0.0	0.0	0.0
358	6/24/2020 14:20:02	0.0	0.0	0.0
359	6/24/2020 14:21:02	0.0	0.0	0.0
360	6/24/2020 14:22:02	0.0	0.0	0.0
361	6/24/2020 14:23:02	0.0	0.2	0.0
362	6/24/2020 14:24:02	0.0	0.1	0.0
363	6/24/2020 14:25:02	0.0	0.1	0.0
364	6/24/2020 14:26:02	0.0	0.0	0.0
365	6/24/2020 14:27:02	0.0	0.0	0.0
366	6/24/2020 14:28:02	0.0	0.1	0.0
367	6/24/2020 14:29:02	0.0	0.0	0.0
368	6/24/2020 14:30:02	0.0	0.0	0.0
369	6/24/2020 14:31:02	0.0	0.0	0.0
370	6/24/2020 14:32:02	0.0	0.0	0.0
371	6/24/2020 14:33:02	0.0	0.0	0.0
372	6/24/2020 14:34:02	0.0	0.0	0.0
373	6/24/2020 14:35:02	0.0	0.0	0.0
374	6/24/2020 14:36:02	0.0	0.0	0.0
375	6/24/2020 14:37:02	0.0	0.0	0.0
376	6/24/2020 14:38:02	0.0	0.2	0.1
377	6/24/2020 14:39:02	0.0	0.1	0.0
378	6/24/2020 14:40:02	0.0	0.0	0.0

379	6/24/2020	14:41:02	0.0	0.0	0.0
380	6/24/2020	14:42:02	0.0	0.0	0.0
381	6/24/2020	14:43:02	0.0	0.1	0.0
382	6/24/2020	14:44:02	0.0	0.0	0.0
383	6/24/2020	14:45:02	0.0	0.3	0.1
384	6/24/2020	14:46:02	0.0	0.1	0.0
385	6/24/2020	14:47:02	0.0	0.0	0.0
386	6/24/2020	14:48:02	0.0	0.0	0.0
387	6/24/2020	14:49:02	0.0	0.0	0.0
388	6/24/2020	14:50:02	0.0	0.0	0.0
389	6/24/2020	14:51:02	0.0	0.0	0.0
390	6/24/2020	14:52:02	0.0	0.0	0.0
391	6/24/2020	14:53:02	0.0	0.0	0.0
392	6/24/2020	14:54:02	0.0	0.0	0.0
393	6/24/2020	14:55:02	0.0	0.0	0.0
394	6/24/2020	14:56:02	0.0	0.2	0.0
395	6/24/2020	14:57:02	0.0	0.0	0.0
396	6/24/2020	14:58:02	0.0	0.0	0.0
397	6/24/2020	14:59:02	0.0	0.0	0.0
398	6/24/2020	15:00:02	0.0	0.0	0.0
399	6/24/2020	15:01:02	0.0	0.0	0.0
400	6/24/2020	15:02:02	0.0	0.5	0.5
401	6/24/2020	15:03:02	1.3	4.4	0.1
402	6/24/2020	15:04:02	0.2	1.2	0.0
403	6/24/2020	15:05:02	0.0	0.1	0.1
404	6/24/2020	15:06:02	0.0	0.2	0.0
405	6/24/2020	15:07:02	0.0	0.0	0.0
406	6/24/2020	15:08:02	0.0	0.0	0.0
407	6/24/2020	15:09:02	0.0	0.0	0.0
408	6/24/2020	15:10:02	0.0	0.0	0.0
409	6/24/2020	15:11:02	0.0	0.0	0.0
410	6/24/2020	15:12:02	0.0	0.0	0.0
411	6/24/2020	15:13:02	0.0	0.0	0.0
412	6/24/2020	15:14:02	0.0	0.0	0.0
413	6/24/2020	15:15:02	0.0	0.0	0.0
414	6/24/2020	15:16:02	0.0	0.0	0.0
415	6/24/2020	15:17:02	0.0	0.0	0.0
416	6/24/2020	15:18:02	0.0	0.0	0.0
417	6/24/2020	15:19:02	0.0	0.0	0.0
418	6/24/2020	15:20:02	0.0	0.0	0.0
419	6/24/2020	15:21:02	0.0	0.0	0.0
420	6/24/2020	15:22:02	0.0	0.0	0.0
421	6/24/2020	15:23:02	0.0	0.0	0.0
422	6/24/2020	15:24:02	0.0	0.0	0.0
423	6/24/2020	15:25:02	0.0	0.0	0.0
424	6/24/2020	15:26:02	0.0	0.0	0.0
425	6/24/2020	15:27:02	0.0	0.0	0.0
426	6/24/2020	15:28:02	0.0	0.0	0.0
427	6/24/2020	15:29:02	0.0	0.0	0.0
428	6/24/2020	15:30:02	0.0	0.0	0.0

429	6/24/2020	15:31:02	0.0	0.0	0.0
430	6/24/2020	15:32:02	0.0	0.0	0.0
431	6/24/2020	15:33:02	0.0	0.0	0.0
432	6/24/2020	15:34:02	0.0	0.0	0.0
433	6/24/2020	15:35:02	0.0	0.0	0.0
434	6/24/2020	15:36:02	0.0	0.0	0.0
435	6/24/2020	15:37:02	0.0	0.0	0.0
436	6/24/2020	15:38:02	0.0	0.0	0.0
437	6/24/2020	15:39:02	0.0	0.0	0.0
438	6/24/2020	15:40:02	0.0	0.0	0.0
439	6/24/2020	15:41:02	0.0	0.0	0.0
440	6/24/2020	15:42:02	0.0	0.0	0.0
441	6/24/2020	15:43:02	0.0	0.0	0.0
442	6/24/2020	15:44:02	0.0	0.0	0.0
443	6/24/2020	15:45:02	0.0	0.0	0.0
444	6/24/2020	15:46:02	0.0	0.0	0.0
445	6/24/2020	15:47:02	0.0	0.0	0.0
446	6/24/2020	15:48:02	0.0	0.0	0.0
447	6/24/2020	15:49:02	0.1	0.6	0.2
448	6/24/2020	15:50:02	0.2	2.7	2.7
449	6/24/2020	15:51:02	0.7	3.5	0.0
450	6/24/2020	15:52:02	0.3	1.5	0.0
451	6/24/2020	15:53:02	0.0	0.3	0.0
452	6/24/2020	15:54:02	0.0	0.0	0.0
453	6/24/2020	15:55:02	0.0	0.2	0.0
454	6/24/2020	15:56:02	0.0	0.0	0.0
455	6/24/2020	15:57:02	0.0	0.0	0.0
456	6/24/2020	15:58:02	0.0	0.1	0.0
457	6/24/2020	15:59:02	0.0	0.0	0.0
458	6/24/2020	16:00:02	0.0	0.1	0.0
459	6/24/2020	16:01:02	0.0	0.0	0.0
460	6/24/2020	16:02:02	0.0	0.0	0.0
461	6/24/2020	16:03:02	0.0	0.0	0.0
462	6/24/2020	16:04:02	0.0	0.1	0.0
463	6/24/2020	16:05:02	0.0	0.0	0.0
464	6/24/2020	16:06:02	0.0	0.0	0.0
465	6/24/2020	16:07:02	0.0	0.0	0.0
466	6/24/2020	16:08:02	0.0	0.0	0.0
467	6/24/2020	16:09:02	0.0	0.1	0.0
468	6/24/2020	16:10:02	0.0	0.0	0.0
469	6/24/2020	16:11:02	0.0	0.0	0.0
470	6/24/2020	16:12:02	0.0	0.0	0.0
471	6/24/2020	16:13:02	0.0	0.0	0.0
472	6/24/2020	16:14:02	0.0	0.0	0.0
473	6/24/2020	16:15:02	0.0	0.0	0.0
474	6/24/2020	16:16:02	0.0	0.0	0.0
475	6/24/2020	16:17:02	0.0	0.0	0.0
476	6/24/2020	16:18:02	0.0	0.0	0.0
477	6/24/2020	16:19:02	0.0	0.0	0.0
478	6/24/2020	16:20:02	0.0	0.0	0.0



479	6/24/2020	16:21:02	0.0	0.0	0.0
480	6/24/2020	16:22:02	0.0	0.0	0.0
481	6/24/2020	16:23:02	0.0	0.0	0.0
482	6/24/2020	16:24:02	0.0	0.0	0.0
483	6/24/2020	16:25:02	0.0	0.1	0.0
484	6/24/2020	16:26:02	0.0	0.1	0.0
485	6/24/2020	16:27:02	0.0	0.0	0.0
486	6/24/2020	16:28:02	0.0	0.0	0.0
487	6/24/2020	16:29:02	0.0	0.0	0.0
488	6/24/2020	16:30:02	0.0	0.0	0.0
489	6/24/2020	16:31:02	0.0	0.0	0.0
490	6/24/2020	16:32:02	0.0	0.0	0.0
491	6/24/2020	16:33:02	0.0	0.0	0.0
492	6/24/2020	16:34:02	0.0	0.0	0.0
493	6/24/2020	16:35:02	0.0	0.0	0.0
494	6/24/2020	16:36:02	0.0	0.0	0.0
495	6/24/2020	16:37:02	0.0	0.0	0.0
496	6/24/2020	16:38:02	0.0	0.0	0.0
497	6/24/2020	16:39:02	0.0	0.0	0.0
498	6/24/2020	16:40:02	0.0	0.0	0.0
499	6/24/2020	16:41:02	0.0	0.0	0.0
500	6/24/2020	16:42:02	0.0	0.0	0.0
501	6/24/2020	16:43:02	0.0	0.0	0.0
502	6/24/2020	16:44:02	0.0	0.0	0.0
503	6/24/2020	16:45:02	0.0	0.0	0.0
504	6/24/2020	16:46:02	0.0	0.0	0.0
505	6/24/2020	16:47:02	0.0	0.0	0.0
506	6/24/2020	16:48:02	0.0	0.0	0.0
507	6/24/2020	16:49:02	0.0	0.0	0.0
508	6/24/2020	16:50:02	0.0	0.0	0.0
509	6/24/2020	16:51:02	0.0	0.0	0.0
510	6/24/2020	16:52:02	0.0	0.0	0.0
511	6/24/2020	16:53:02	0.0	0.0	0.0
512	6/24/2020	16:54:02	0.0	0.0	0.0
513	6/24/2020	16:55:02	0.0	0.0	0.0
514	6/24/2020	16:56:02	0.0	0.0	0.0
515	6/24/2020	16:57:02	0.0	0.0	0.0
516	6/24/2020	16:58:02	0.0	0.0	0.0
517	6/24/2020	16:59:02	0.0	0.0	0.0
518	6/24/2020	17:00:02	0.0	0.0	0.0
519	6/24/2020	17:01:02	0.0	0.0	0.0
520	6/24/2020	17:02:02	0.0	0.0	0.0
521	6/24/2020	17:03:02	0.0	0.0	0.0
522	6/24/2020	17:04:02	0.0	0.0	0.0
523	6/24/2020	17:05:02	0.0	0.0	0.0
524	6/24/2020	17:06:02	0.0	0.0	0.0
525	6/24/2020	17:07:02	0.0	0.0	0.0
526	6/24/2020	17:08:02	0.0	0.0	0.0
527	6/24/2020	17:09:02	0.0	0.0	0.0
528	6/24/2020	17:10:02	0.0	0.0	0.0

529	6/24/2020	17:11:02	0.0	0.0	0.0
530	6/24/2020	17:12:02	0.0	0.0	0.0
531	6/24/2020	17:13:02	0.0	0.0	0.0
532	6/24/2020	17:14:02	0.0	0.0	0.0
533	6/24/2020	17:15:02	0.0	0.0	0.0
534	6/24/2020	17:16:02	0.0	0.0	0.0
535	6/24/2020	17:17:02	0.0	0.0	0.0
536	6/24/2020	17:18:02	0.0	0.0	0.0
537	6/24/2020	17:19:02	0.0	0.0	0.0
538	6/24/2020	17:20:02	0.0	0.0	0.0
539	6/24/2020	17:21:02	0.0	0.0	0.0
540	6/24/2020	17:22:02	0.0	0.0	0.0
541	6/24/2020	17:23:02	0.0	0.0	0.0
542	6/24/2020	17:24:02	0.0	0.0	0.0
Peak		1.3 4.4	2.7		
Min		0.0 0.0	0.0		
Average		0.0 0.0	0.0		

\*\*\*\*\*

# TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	6/24/2020 08:23:02	0.0	---
002	6/24/2020 08:24:02	0.0	---
003	6/24/2020 08:25:02	0.0	---
004	6/24/2020 08:26:02	0.0	---
005	6/24/2020 08:27:02	0.0	---
006	6/24/2020 08:28:02	0.0	---
007	6/24/2020 08:29:02	0.0	---
008	6/24/2020 08:30:02	0.0	---
009	6/24/2020 08:31:02	0.0	---
010	6/24/2020 08:32:02	0.0	---
011	6/24/2020 08:33:02	0.0	---
012	6/24/2020 08:34:02	0.0	---
013	6/24/2020 08:35:02	0.0	---
014	6/24/2020 08:36:02	0.0	---
015	6/24/2020 08:37:02	0.0	0.0
016	6/24/2020 08:38:02	0.0	0.0
017	6/24/2020 08:39:02	0.0	0.0
018	6/24/2020 08:40:02	0.0	0.0
019	6/24/2020 08:41:02	0.0	0.0
020	6/24/2020 08:42:02	0.0	0.0
021	6/24/2020 08:43:02	0.0	0.0
022	6/24/2020 08:44:02	0.0	0.0
023	6/24/2020 08:45:02	0.0	0.0
024	6/24/2020 08:46:02	0.0	0.0
025	6/24/2020 08:47:02	0.0	0.0
026	6/24/2020 08:48:02	0.0	0.0
027	6/24/2020 08:49:02	0.0	0.0
028	6/24/2020 08:50:02	0.0	0.0

029	6/24/2020 08:51:02	0.0	0.0
030	6/24/2020 08:52:02	0.0	0.0
031	6/24/2020 08:53:02	0.0	0.0
032	6/24/2020 08:54:02	0.0	0.0
033	6/24/2020 08:55:02	0.0	0.0
034	6/24/2020 08:56:02	0.0	0.0
035	6/24/2020 08:57:02	0.0	0.0
036	6/24/2020 08:58:02	0.0	0.0
037	6/24/2020 08:59:02	0.0	0.0
038	6/24/2020 09:00:02	0.0	0.0
039	6/24/2020 09:01:02	0.0	0.0
040	6/24/2020 09:02:02	0.0	0.0
041	6/24/2020 09:03:02	0.0	0.0
042	6/24/2020 09:04:02	0.0	0.0
043	6/24/2020 09:05:02	0.0	0.0
044	6/24/2020 09:06:02	0.0	0.0
045	6/24/2020 09:07:02	0.0	0.0
046	6/24/2020 09:08:02	0.0	0.0
047	6/24/2020 09:09:02	0.0	0.0
048	6/24/2020 09:10:02	0.0	0.0
049	6/24/2020 09:11:02	0.0	0.0
050	6/24/2020 09:12:02	0.0	0.0
051	6/24/2020 09:13:02	0.0	0.0
052	6/24/2020 09:14:02	0.0	0.0
053	6/24/2020 09:15:02	0.0	0.0
054	6/24/2020 09:16:02	0.0	0.0
055	6/24/2020 09:17:02	0.0	0.0
056	6/24/2020 09:18:02	0.0	0.0
057	6/24/2020 09:19:02	0.0	0.0
058	6/24/2020 09:20:02	0.0	0.0
059	6/24/2020 09:21:02	0.0	0.0
060	6/24/2020 09:22:02	0.0	0.0
061	6/24/2020 09:23:02	0.0	0.0
062	6/24/2020 09:24:02	0.0	0.0
063	6/24/2020 09:25:02	0.0	0.0
064	6/24/2020 09:26:02	0.0	0.0
065	6/24/2020 09:27:02	0.0	0.0
066	6/24/2020 09:28:02	0.0	0.0
067	6/24/2020 09:29:02	0.0	0.0
068	6/24/2020 09:30:02	0.0	0.0
069	6/24/2020 09:31:02	0.0	0.0
070	6/24/2020 09:32:02	0.0	0.0
071	6/24/2020 09:33:02	0.0	0.0
072	6/24/2020 09:34:02	0.0	0.0
073	6/24/2020 09:35:02	0.0	0.0
074	6/24/2020 09:36:02	0.0	0.0
075	6/24/2020 09:37:02	0.0	0.0
076	6/24/2020 09:38:02	0.0	0.0
077	6/24/2020 09:39:02	0.0	0.0
078	6/24/2020 09:40:02	0.0	0.0

079	6/24/2020 09:41:02	0.0	0.0
080	6/24/2020 09:42:02	0.0	0.0
081	6/24/2020 09:43:02	0.0	0.0
082	6/24/2020 09:44:02	0.0	0.0
083	6/24/2020 09:45:02	0.0	0.0
084	6/24/2020 09:46:02	0.0	0.0
085	6/24/2020 09:47:02	0.0	0.0
086	6/24/2020 09:48:02	0.0	0.0
087	6/24/2020 09:49:02	0.0	0.0
088	6/24/2020 09:50:02	0.0	0.0
089	6/24/2020 09:51:02	0.0	0.0
090	6/24/2020 09:52:02	0.0	0.0
091	6/24/2020 09:53:02	0.0	0.0
092	6/24/2020 09:54:02	0.0	0.0
093	6/24/2020 09:55:02	0.0	0.0
094	6/24/2020 09:56:02	0.0	0.0
095	6/24/2020 09:57:02	0.0	0.0
096	6/24/2020 09:58:02	0.0	0.0
097	6/24/2020 09:59:02	0.0	0.0
098	6/24/2020 10:00:02	0.0	0.0
099	6/24/2020 10:01:02	0.0	0.0
100	6/24/2020 10:02:02	0.0	0.0
101	6/24/2020 10:03:02	0.0	0.0
102	6/24/2020 10:04:02	0.0	0.0
103	6/24/2020 10:05:02	0.0	0.0
104	6/24/2020 10:06:02	0.0	0.0
105	6/24/2020 10:07:02	0.0	0.0
106	6/24/2020 10:08:02	0.0	0.0
107	6/24/2020 10:09:02	0.0	0.0
108	6/24/2020 10:10:02	0.0	0.0
109	6/24/2020 10:11:02	0.0	0.0
110	6/24/2020 10:12:02	0.0	0.0
111	6/24/2020 10:13:02	0.0	0.0
112	6/24/2020 10:14:02	0.0	0.0
113	6/24/2020 10:15:02	0.0	0.0
114	6/24/2020 10:16:02	0.0	0.0
115	6/24/2020 10:17:02	0.0	0.0
116	6/24/2020 10:18:02	0.0	0.0
117	6/24/2020 10:19:02	0.0	0.0
118	6/24/2020 10:20:02	0.0	0.0
119	6/24/2020 10:21:02	0.0	0.0
120	6/24/2020 10:22:02	0.0	0.0
121	6/24/2020 10:23:02	0.0	0.0
122	6/24/2020 10:24:02	0.0	0.0
123	6/24/2020 10:25:02	0.0	0.0
124	6/24/2020 10:26:02	0.0	0.0
125	6/24/2020 10:27:02	0.0	0.0
126	6/24/2020 10:28:02	0.0	0.0
127	6/24/2020 10:29:02	0.0	0.0
128	6/24/2020 10:30:02	0.0	0.0



129	6/24/2020	10:31:02	0.0	0.0
130	6/24/2020	10:32:02	0.0	0.0
131	6/24/2020	10:33:02	0.0	0.0
132	6/24/2020	10:34:02	0.0	0.0
133	6/24/2020	10:35:02	0.0	0.0
134	6/24/2020	10:36:02	0.0	0.0
135	6/24/2020	10:37:02	0.0	0.0
136	6/24/2020	10:38:02	0.0	0.0
137	6/24/2020	10:39:02	0.0	0.0
138	6/24/2020	10:40:02	0.0	0.0
139	6/24/2020	10:41:02	0.0	0.0
140	6/24/2020	10:42:02	0.0	0.0
141	6/24/2020	10:43:02	0.0	0.0
142	6/24/2020	10:44:02	0.0	0.0
143	6/24/2020	10:45:02	0.0	0.0
144	6/24/2020	10:46:02	0.0	0.0
145	6/24/2020	10:47:02	0.0	0.0
146	6/24/2020	10:48:02	0.0	0.0
147	6/24/2020	10:49:02	0.0	0.0
148	6/24/2020	10:50:02	0.0	0.0
149	6/24/2020	10:51:02	0.0	0.0
150	6/24/2020	10:52:02	0.0	0.0
151	6/24/2020	10:53:02	0.0	0.0
152	6/24/2020	10:54:02	0.0	0.0
153	6/24/2020	10:55:02	0.0	0.0
154	6/24/2020	10:56:02	0.0	0.0
155	6/24/2020	10:57:02	0.0	0.0
156	6/24/2020	10:58:02	0.0	0.0
157	6/24/2020	10:59:02	0.0	0.0
158	6/24/2020	11:00:02	0.0	0.0
159	6/24/2020	11:01:02	0.0	0.0
160	6/24/2020	11:02:02	0.0	0.0
161	6/24/2020	11:03:02	0.0	0.0
162	6/24/2020	11:04:02	0.0	0.0
163	6/24/2020	11:05:02	0.0	0.0
164	6/24/2020	11:06:02	0.0	0.0
165	6/24/2020	11:07:02	0.0	0.0
166	6/24/2020	11:08:02	0.0	0.0
167	6/24/2020	11:09:02	0.0	0.0
168	6/24/2020	11:10:02	0.0	0.0
169	6/24/2020	11:11:02	0.0	0.0
170	6/24/2020	11:12:02	0.0	0.0
171	6/24/2020	11:13:02	0.0	0.0
172	6/24/2020	11:14:02	0.0	0.0
173	6/24/2020	11:15:02	0.0	0.0
174	6/24/2020	11:16:02	0.0	0.0
175	6/24/2020	11:17:02	0.0	0.0
176	6/24/2020	11:18:02	0.0	0.0
177	6/24/2020	11:19:02	0.0	0.0
178	6/24/2020	11:20:02	0.0	0.0

179	6/24/2020	11:21:02	0.0	0.0
180	6/24/2020	11:22:02	0.0	0.0
181	6/24/2020	11:23:02	0.0	0.0
182	6/24/2020	11:24:02	0.0	0.0
183	6/24/2020	11:25:02	0.0	0.0
184	6/24/2020	11:26:02	0.0	0.0
185	6/24/2020	11:27:02	0.0	0.0
186	6/24/2020	11:28:02	0.0	0.0
187	6/24/2020	11:29:02	0.0	0.0
188	6/24/2020	11:30:02	0.0	0.0
189	6/24/2020	11:31:02	0.0	0.0
190	6/24/2020	11:32:02	0.0	0.0
191	6/24/2020	11:33:02	0.0	0.0
192	6/24/2020	11:34:02	0.0	0.0
193	6/24/2020	11:35:02	0.0	0.0
194	6/24/2020	11:36:02	0.0	0.0
195	6/24/2020	11:37:02	0.0	0.0
196	6/24/2020	11:38:02	0.0	0.0
197	6/24/2020	11:39:02	0.0	0.0
198	6/24/2020	11:40:02	0.0	0.0
199	6/24/2020	11:41:02	0.0	0.0
200	6/24/2020	11:42:02	0.0	0.0
201	6/24/2020	11:43:02	0.0	0.0
202	6/24/2020	11:44:02	0.0	0.0
203	6/24/2020	11:45:02	0.0	0.0
204	6/24/2020	11:46:02	0.0	0.0
205	6/24/2020	11:47:02	0.0	0.0
206	6/24/2020	11:48:02	0.0	0.0
207	6/24/2020	11:49:02	0.0	0.0
208	6/24/2020	11:50:02	0.0	0.0
209	6/24/2020	11:51:02	0.0	0.0
210	6/24/2020	11:52:02	0.0	0.0
211	6/24/2020	11:53:02	0.0	0.0
212	6/24/2020	11:54:02	0.0	0.0
213	6/24/2020	11:55:02	0.0	0.0
214	6/24/2020	11:56:02	0.0	0.0
215	6/24/2020	11:57:02	0.0	0.0
216	6/24/2020	11:58:02	0.0	0.0
217	6/24/2020	11:59:02	0.0	0.0
218	6/24/2020	12:00:02	0.0	0.0
219	6/24/2020	12:01:02	0.0	0.0
220	6/24/2020	12:02:02	0.0	0.0
221	6/24/2020	12:03:02	0.0	0.0
222	6/24/2020	12:04:02	0.0	0.0
223	6/24/2020	12:05:02	0.0	0.0
224	6/24/2020	12:06:02	0.0	0.0
225	6/24/2020	12:07:02	0.0	0.0
226	6/24/2020	12:08:02	0.0	0.0
227	6/24/2020	12:09:02	0.0	0.0
228	6/24/2020	12:10:02	0.0	0.0

229	6/24/2020	12:11:02	0.0	0.0
230	6/24/2020	12:12:02	0.0	0.0
231	6/24/2020	12:13:02	0.0	0.0
232	6/24/2020	12:14:02	0.0	0.0
233	6/24/2020	12:15:02	0.0	0.0
234	6/24/2020	12:16:02	0.0	0.0
235	6/24/2020	12:17:02	0.0	0.0
236	6/24/2020	12:18:02	0.0	0.0
237	6/24/2020	12:19:02	0.0	0.0
238	6/24/2020	12:20:02	0.0	0.0
239	6/24/2020	12:21:02	0.0	0.0
240	6/24/2020	12:22:02	0.0	0.0
241	6/24/2020	12:23:02	0.0	0.0
242	6/24/2020	12:24:02	0.0	0.0
243	6/24/2020	12:25:02	0.0	0.0
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245	6/24/2020	12:27:02	0.0	0.0
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248	6/24/2020	12:30:02	0.0	0.0
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250	6/24/2020	12:32:02	0.0	0.0
251	6/24/2020	12:33:02	0.0	0.0
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253	6/24/2020	12:35:02	0.0	0.0
254	6/24/2020	12:36:02	0.0	0.0
255	6/24/2020	12:37:02	0.0	0.0
256	6/24/2020	12:38:02	0.0	0.0
257	6/24/2020	12:39:02	0.0	0.0
258	6/24/2020	12:40:02	0.0	0.0
259	6/24/2020	12:41:02	0.0	0.0
260	6/24/2020	12:42:02	0.0	0.0
261	6/24/2020	12:43:02	0.0	0.0
262	6/24/2020	12:44:02	0.0	0.0
263	6/24/2020	12:45:02	0.0	0.0
264	6/24/2020	12:46:02	0.0	0.0
265	6/24/2020	12:47:02	0.0	0.0
266	6/24/2020	12:48:02	0.0	0.0
267	6/24/2020	12:49:02	0.0	0.0
268	6/24/2020	12:50:02	0.0	0.0
269	6/24/2020	12:51:02	0.0	0.0
270	6/24/2020	12:52:02	0.0	0.0
271	6/24/2020	12:53:02	0.0	0.0
272	6/24/2020	12:54:02	0.0	0.0
273	6/24/2020	12:55:02	0.0	0.0
274	6/24/2020	12:56:02	0.0	0.0
275	6/24/2020	12:57:02	0.0	0.0
276	6/24/2020	12:58:02	0.0	0.0
277	6/24/2020	12:59:02	0.0	0.0
278	6/24/2020	13:00:02	0.0	0.0

279	6/24/2020	13:01:02	0.0	0.0
280	6/24/2020	13:02:02	0.0	0.0
281	6/24/2020	13:03:02	0.0	0.0
282	6/24/2020	13:04:02	0.0	0.0
283	6/24/2020	13:05:02	0.0	0.0
284	6/24/2020	13:06:02	0.0	0.0
285	6/24/2020	13:07:02	0.0	0.0
286	6/24/2020	13:08:02	0.0	0.0
287	6/24/2020	13:09:02	0.0	0.0
288	6/24/2020	13:10:02	0.0	0.0
289	6/24/2020	13:11:02	0.0	0.0
290	6/24/2020	13:12:02	0.0	0.0
291	6/24/2020	13:13:02	0.0	0.0
292	6/24/2020	13:14:02	0.0	0.0
293	6/24/2020	13:15:02	0.0	0.0
294	6/24/2020	13:16:02	0.0	0.0
295	6/24/2020	13:17:02	0.0	0.0
296	6/24/2020	13:18:02	0.0	0.0
297	6/24/2020	13:19:02	0.0	0.0
298	6/24/2020	13:20:02	0.0	0.0
299	6/24/2020	13:21:02	0.0	0.0
300	6/24/2020	13:22:02	0.0	0.0
301	6/24/2020	13:23:02	0.0	0.0
302	6/24/2020	13:24:02	0.0	0.0
303	6/24/2020	13:25:02	0.0	0.0
304	6/24/2020	13:26:02	0.0	0.0
305	6/24/2020	13:27:02	0.0	0.0
306	6/24/2020	13:28:02	0.0	0.0
307	6/24/2020	13:29:02	0.0	0.0
308	6/24/2020	13:30:02	0.0	0.0
309	6/24/2020	13:31:02	0.0	0.0
310	6/24/2020	13:32:02	0.0	0.0
311	6/24/2020	13:33:02	0.0	0.0
312	6/24/2020	13:34:02	0.0	0.0
313	6/24/2020	13:35:02	0.0	0.0
314	6/24/2020	13:36:02	0.0	0.0
315	6/24/2020	13:37:02	0.0	0.0
316	6/24/2020	13:38:02	0.0	0.0
317	6/24/2020	13:39:02	0.0	0.0
318	6/24/2020	13:40:02	0.0	0.0
319	6/24/2020	13:41:02	0.0	0.0
320	6/24/2020	13:42:02	0.0	0.0
321	6/24/2020	13:43:02	0.0	0.0
322	6/24/2020	13:44:02	0.0	0.0
323	6/24/2020	13:45:02	0.0	0.0
324	6/24/2020	13:46:02	0.0	0.0
325	6/24/2020	13:47:02	0.0	0.0
326	6/24/2020	13:48:02	0.0	0.0
327	6/24/2020	13:49:02	0.0	0.0
328	6/24/2020	13:50:02	0.0	0.0



329	6/24/2020	13:51:02	0.0	0.0
330	6/24/2020	13:52:02	0.0	0.0
331	6/24/2020	13:53:02	0.0	0.0
332	6/24/2020	13:54:02	0.0	0.0
333	6/24/2020	13:55:02	0.0	0.0
334	6/24/2020	13:56:02	0.0	0.0
335	6/24/2020	13:57:02	0.0	0.0
336	6/24/2020	13:58:02	0.0	0.0
337	6/24/2020	13:59:02	0.0	0.0
338	6/24/2020	14:00:02	0.0	0.0
339	6/24/2020	14:01:02	0.0	0.0
340	6/24/2020	14:02:02	0.0	0.0
341	6/24/2020	14:03:02	0.0	0.0
342	6/24/2020	14:04:02	0.0	0.0
343	6/24/2020	14:05:02	0.0	0.0
344	6/24/2020	14:06:02	0.0	0.0
345	6/24/2020	14:07:02	0.0	0.0
346	6/24/2020	14:08:02	0.0	0.0
347	6/24/2020	14:09:02	0.0	0.0
348	6/24/2020	14:10:02	0.0	0.0
349	6/24/2020	14:11:02	0.0	0.0
350	6/24/2020	14:12:02	0.0	0.0
351	6/24/2020	14:13:02	0.0	0.0
352	6/24/2020	14:14:02	0.0	0.0
353	6/24/2020	14:15:02	0.0	0.0
354	6/24/2020	14:16:02	0.0	0.0
355	6/24/2020	14:17:02	0.0	0.0
356	6/24/2020	14:18:02	0.0	0.0
357	6/24/2020	14:19:02	0.0	0.0
358	6/24/2020	14:20:02	0.0	0.0
359	6/24/2020	14:21:02	0.0	0.0
360	6/24/2020	14:22:02	0.0	0.0
361	6/24/2020	14:23:02	0.0	0.0
362	6/24/2020	14:24:02	0.0	0.0
363	6/24/2020	14:25:02	0.0	0.0
364	6/24/2020	14:26:02	0.0	0.0
365	6/24/2020	14:27:02	0.0	0.0
366	6/24/2020	14:28:02	0.0	0.0
367	6/24/2020	14:29:02	0.0	0.0
368	6/24/2020	14:30:02	0.0	0.0
369	6/24/2020	14:31:02	0.0	0.0
370	6/24/2020	14:32:02	0.0	0.0
371	6/24/2020	14:33:02	0.0	0.0
372	6/24/2020	14:34:02	0.0	0.0
373	6/24/2020	14:35:02	0.0	0.0
374	6/24/2020	14:36:02	0.0	0.0
375	6/24/2020	14:37:02	0.0	0.0
376	6/24/2020	14:38:02	0.0	0.0
377	6/24/2020	14:39:02	0.0	0.0
378	6/24/2020	14:40:02	0.0	0.0

379	6/24/2020	14:41:02	0.0	0.0
380	6/24/2020	14:42:02	0.0	0.0
381	6/24/2020	14:43:02	0.0	0.0
382	6/24/2020	14:44:02	0.0	0.0
383	6/24/2020	14:45:02	0.0	0.0
384	6/24/2020	14:46:02	0.0	0.0
385	6/24/2020	14:47:02	0.0	0.0
386	6/24/2020	14:48:02	0.0	0.0
387	6/24/2020	14:49:02	0.0	0.0
388	6/24/2020	14:50:02	0.0	0.0
389	6/24/2020	14:51:02	0.0	0.0
390	6/24/2020	14:52:02	0.0	0.0
391	6/24/2020	14:53:02	0.0	0.0
392	6/24/2020	14:54:02	0.0	0.0
393	6/24/2020	14:55:02	0.0	0.0
394	6/24/2020	14:56:02	0.0	0.0
395	6/24/2020	14:57:02	0.0	0.0
396	6/24/2020	14:58:02	0.0	0.0
397	6/24/2020	14:59:02	0.0	0.0
398	6/24/2020	15:00:02	0.0	0.0
399	6/24/2020	15:01:02	0.0	0.0
400	6/24/2020	15:02:02	0.0	0.0
401	6/24/2020	15:03:02	0.0	0.0
402	6/24/2020	15:04:02	0.0	0.0
403	6/24/2020	15:05:02	0.0	0.0
404	6/24/2020	15:06:02	0.0	0.0
405	6/24/2020	15:07:02	0.0	0.0
406	6/24/2020	15:08:02	0.0	0.0
407	6/24/2020	15:09:02	0.0	0.0
408	6/24/2020	15:10:02	0.0	0.0
409	6/24/2020	15:11:02	0.0	0.0
410	6/24/2020	15:12:02	0.0	0.0
411	6/24/2020	15:13:02	0.0	0.0
412	6/24/2020	15:14:02	0.0	0.0
413	6/24/2020	15:15:02	0.0	0.0
414	6/24/2020	15:16:02	0.0	0.0
415	6/24/2020	15:17:02	0.0	0.0
416	6/24/2020	15:18:02	0.0	0.0
417	6/24/2020	15:19:02	0.0	0.0
418	6/24/2020	15:20:02	0.0	0.0
419	6/24/2020	15:21:02	0.0	0.0
420	6/24/2020	15:22:02	0.0	0.0
421	6/24/2020	15:23:02	0.0	0.0
422	6/24/2020	15:24:02	0.0	0.0
423	6/24/2020	15:25:02	0.0	0.0
424	6/24/2020	15:26:02	0.0	0.0
425	6/24/2020	15:27:02	0.0	0.0
426	6/24/2020	15:28:02	0.0	0.0
427	6/24/2020	15:29:02	0.0	0.0
428	6/24/2020	15:30:02	0.0	0.0

429	6/24/2020	15:31:02	0.0	0.0
430	6/24/2020	15:32:02	0.0	0.0
431	6/24/2020	15:33:02	0.0	0.0
432	6/24/2020	15:34:02	0.0	0.0
433	6/24/2020	15:35:02	0.0	0.0
434	6/24/2020	15:36:02	0.0	0.0
435	6/24/2020	15:37:02	0.0	0.0
436	6/24/2020	15:38:02	0.0	0.0
437	6/24/2020	15:39:02	0.0	0.0
438	6/24/2020	15:40:02	0.0	0.0
439	6/24/2020	15:41:02	0.0	0.0
440	6/24/2020	15:42:02	0.0	0.0
441	6/24/2020	15:43:02	0.0	0.0
442	6/24/2020	15:44:02	0.0	0.0
443	6/24/2020	15:45:02	0.0	0.0
444	6/24/2020	15:46:02	0.0	0.0
445	6/24/2020	15:47:02	0.0	0.0
446	6/24/2020	15:48:02	0.0	0.0
447	6/24/2020	15:49:02	0.0	0.0
448	6/24/2020	15:50:02	0.0	0.2
449	6/24/2020	15:51:02	0.0	0.2
450	6/24/2020	15:52:02	0.0	0.2
451	6/24/2020	15:53:02	0.0	0.2
452	6/24/2020	15:54:02	0.0	0.2
453	6/24/2020	15:55:02	0.0	0.2
454	6/24/2020	15:56:02	0.0	0.2
455	6/24/2020	15:57:02	0.0	0.2
456	6/24/2020	15:58:02	0.0	0.2
457	6/24/2020	15:59:02	0.0	0.2
458	6/24/2020	16:00:02	0.0	0.2
459	6/24/2020	16:01:02	0.0	0.2
460	6/24/2020	16:02:02	0.0	0.2
461	6/24/2020	16:03:02	0.0	0.2
462	6/24/2020	16:04:02	0.0	0.2
463	6/24/2020	16:05:02	0.0	0.2
464	6/24/2020	16:06:02	0.0	0.0
465	6/24/2020	16:07:02	0.0	0.0
466	6/24/2020	16:08:02	0.0	0.0
467	6/24/2020	16:09:02	0.0	0.0
468	6/24/2020	16:10:02	0.0	0.0
469	6/24/2020	16:11:02	0.0	0.0
470	6/24/2020	16:12:02	0.0	0.0
471	6/24/2020	16:13:02	0.0	0.0
472	6/24/2020	16:14:02	0.0	0.0
473	6/24/2020	16:15:02	0.0	0.0
474	6/24/2020	16:16:02	0.0	0.0
475	6/24/2020	16:17:02	0.0	0.0
476	6/24/2020	16:18:02	0.0	0.0
477	6/24/2020	16:19:02	0.0	0.0
478	6/24/2020	16:20:02	0.0	0.0

479	6/24/2020	16:21:02	0.0	0.0
480	6/24/2020	16:22:02	0.0	0.0
481	6/24/2020	16:23:02	0.0	0.0
482	6/24/2020	16:24:02	0.0	0.0
483	6/24/2020	16:25:02	0.0	0.0
484	6/24/2020	16:26:02	0.0	0.0
485	6/24/2020	16:27:02	0.0	0.0
486	6/24/2020	16:28:02	0.0	0.0
487	6/24/2020	16:29:02	0.0	0.0
488	6/24/2020	16:30:02	0.0	0.0
489	6/24/2020	16:31:02	0.0	0.0
490	6/24/2020	16:32:02	0.0	0.0
491	6/24/2020	16:33:02	0.0	0.0
492	6/24/2020	16:34:02	0.0	0.0
493	6/24/2020	16:35:02	0.0	0.0
494	6/24/2020	16:36:02	0.0	0.0
495	6/24/2020	16:37:02	0.0	0.0
496	6/24/2020	16:38:02	0.0	0.0
497	6/24/2020	16:39:02	0.0	0.0
498	6/24/2020	16:40:02	0.0	0.0
499	6/24/2020	16:41:02	0.0	0.0
500	6/24/2020	16:42:02	0.0	0.0
501	6/24/2020	16:43:02	0.0	0.0
502	6/24/2020	16:44:02	0.0	0.0
503	6/24/2020	16:45:02	0.0	0.0
504	6/24/2020	16:46:02	0.0	0.0
505	6/24/2020	16:47:02	0.0	0.0
506	6/24/2020	16:48:02	0.0	0.0
507	6/24/2020	16:49:02	0.0	0.0
508	6/24/2020	16:50:02	0.0	0.0
509	6/24/2020	16:51:02	0.0	0.0
510	6/24/2020	16:52:02	0.0	0.0
511	6/24/2020	16:53:02	0.0	0.0
512	6/24/2020	16:54:02	0.0	0.0
513	6/24/2020	16:55:02	0.0	0.0
514	6/24/2020	16:56:02	0.0	0.0
515	6/24/2020	16:57:02	0.0	0.0
516	6/24/2020	16:58:02	0.0	0.0
517	6/24/2020	16:59:02	0.0	0.0
518	6/24/2020	17:00:02	0.0	0.0
519	6/24/2020	17:01:02	0.0	0.0
520	6/24/2020	17:02:02	0.0	0.0
521	6/24/2020	17:03:02	0.0	0.0
522	6/24/2020	17:04:02	0.0	0.0
523	6/24/2020	17:05:02	0.0	0.0
524	6/24/2020	17:06:02	0.0	0.0
525	6/24/2020	17:07:02	0.0	0.0
526	6/24/2020	17:08:02	0.0	0.0
527	6/24/2020	17:09:02	0.0	0.0
528	6/24/2020	17:10:02	0.0	0.0



529	6/24/2020	17:11:02	0.0	0.0
530	6/24/2020	17:12:02	0.0	0.0
531	6/24/2020	17:13:02	0.0	0.0
532	6/24/2020	17:14:02	0.0	0.0
533	6/24/2020	17:15:02	0.0	0.0
534	6/24/2020	17:16:02	0.0	0.0
535	6/24/2020	17:17:02	0.0	0.0
536	6/24/2020	17:18:02	0.0	0.0
537	6/24/2020	17:19:02	0.0	0.0
538	6/24/2020	17:20:02	0.0	0.0
539	6/24/2020	17:21:02	0.0	0.0
540	6/24/2020	17:22:02	0.0	0.0
541	6/24/2020	17:23:02	0.0	0.0
542	6/24/2020	17:24:02	0.0	0.0

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20/06/25 07:24

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# Summary

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Unit Name           MiniRAE 3000(PGM-7320)  
Unit SN 592-913116  
Unit Firmware Ver       V2.20A  
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Running Mode       Hygiene Mode  
Datalog Mode       Auto  
Diagnostic Mode No  
Stop Reason       Power Down  
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Site ID 12345678  
User ID 12345678  
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Begin   6/25/2020 07:24:36  
End     6/25/2020 14:53:40  
Sample Period(s)       60  
Number of Records       449  
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Sensor   PID(ppm)  
Sensor SN       S023030414R7  
Measure Type    Avg; Max; Real  
Span     100.0  
Span 2   1000.0  
Low Alarm       50.0  
High Alarm       100.0  
Over Alarm       15000.0  
STEL Alarm       25.0  
TWA Alarm       10.0  
Measurement Gas Isobutylene  
Calibration Time       6/19/2020 12:05  
Peak     0.1  
Min     0.0

Average 0.0

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# Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	6/25/2020 07:25:36	0.0	0.0	0.0	0.0
002	6/25/2020 07:26:36	0.0	0.0	0.0	0.0
003	6/25/2020 07:27:36	0.0	0.0	0.0	0.0
004	6/25/2020 07:28:36	0.0	0.0	0.0	0.0
005	6/25/2020 07:29:36	0.0	0.0	0.0	0.0
006	6/25/2020 07:30:36	0.0	0.0	0.0	0.0
007	6/25/2020 07:31:36	0.0	0.0	0.0	0.0
008	6/25/2020 07:32:36	0.0	0.0	0.0	0.0
009	6/25/2020 07:33:36	0.0	0.0	0.0	0.0
010	6/25/2020 07:34:36	0.0	0.0	0.0	0.0
011	6/25/2020 07:35:36	0.0	0.0	0.0	0.0
012	6/25/2020 07:36:36	0.0	0.0	0.0	0.0
013	6/25/2020 07:37:36	0.0	0.0	0.0	0.0
014	6/25/2020 07:38:36	0.0	0.0	0.0	0.0
015	6/25/2020 07:39:36	0.0	0.0	0.0	0.0
016	6/25/2020 07:40:36	0.0	0.0	0.0	0.0
017	6/25/2020 07:41:36	0.0	0.0	0.0	0.0
018	6/25/2020 07:42:36	0.0	0.0	0.0	0.0
019	6/25/2020 07:43:36	0.0	0.0	0.0	0.0
020	6/25/2020 07:44:36	0.0	0.0	0.0	0.0
021	6/25/2020 07:45:36	0.0	0.0	0.0	0.0
022	6/25/2020 07:46:36	0.0	0.0	0.0	0.0
023	6/25/2020 07:47:36	0.0	0.0	0.0	0.0
024	6/25/2020 07:48:36	0.0	0.0	0.0	0.0
025	6/25/2020 07:49:36	0.0	0.0	0.0	0.0
026	6/25/2020 07:50:36	0.0	0.0	0.0	0.0
027	6/25/2020 07:51:36	0.0	0.0	0.0	0.0
028	6/25/2020 07:52:36	0.0	0.0	0.0	0.0
029	6/25/2020 07:53:36	0.0	0.0	0.0	0.0
030	6/25/2020 07:54:36	0.0	0.0	0.0	0.0
031	6/25/2020 07:55:36	0.0	0.0	0.0	0.0
032	6/25/2020 07:56:36	0.0	0.0	0.0	0.0
033	6/25/2020 07:57:36	0.0	0.0	0.0	0.0
034	6/25/2020 07:58:36	0.0	0.0	0.0	0.0
035	6/25/2020 07:59:36	0.0	0.0	0.0	0.0
036	6/25/2020 08:00:36	0.0	0.0	0.0	0.0
037	6/25/2020 08:01:36	0.0	0.0	0.0	0.0
038	6/25/2020 08:02:36	0.0	0.0	0.0	0.0
039	6/25/2020 08:03:36	0.0	0.0	0.0	0.0
040	6/25/2020 08:04:36	0.0	0.0	0.0	0.0
041	6/25/2020 08:05:36	0.0	0.0	0.0	0.0
042	6/25/2020 08:06:36	0.0	0.0	0.0	0.0
043	6/25/2020 08:07:36	0.0	0.0	0.0	0.0
044	6/25/2020 08:08:36	0.0	0.0	0.0	0.0

045	6/25/2020 08:09:36	0.0	0.0	0.0
046	6/25/2020 08:10:36	0.0	0.0	0.0
047	6/25/2020 08:11:36	0.0	0.0	0.0
048	6/25/2020 08:12:36	0.0	0.0	0.0
049	6/25/2020 08:13:36	0.0	0.0	0.0
050	6/25/2020 08:14:36	0.0	0.0	0.0
051	6/25/2020 08:15:36	0.0	0.0	0.0
052	6/25/2020 08:16:36	0.0	0.0	0.0
053	6/25/2020 08:17:36	0.0	0.0	0.0
054	6/25/2020 08:18:36	0.0	0.0	0.0
055	6/25/2020 08:19:36	0.0	0.0	0.0
056	6/25/2020 08:20:36	0.0	0.0	0.0
057	6/25/2020 08:21:36	0.0	0.0	0.0
058	6/25/2020 08:22:36	0.0	0.0	0.0
059	6/25/2020 08:23:36	0.0	0.0	0.0
060	6/25/2020 08:24:36	0.0	0.0	0.0
061	6/25/2020 08:25:36	0.0	0.0	0.0
062	6/25/2020 08:26:36	0.0	0.0	0.0
063	6/25/2020 08:27:36	0.0	0.0	0.0
064	6/25/2020 08:28:36	0.0	0.0	0.0
065	6/25/2020 08:29:36	0.0	0.0	0.0
066	6/25/2020 08:30:36	0.0	0.0	0.0
067	6/25/2020 08:31:36	0.0	0.0	0.0
068	6/25/2020 08:32:36	0.0	0.0	0.0
069	6/25/2020 08:33:36	0.0	0.0	0.0
070	6/25/2020 08:34:36	0.0	0.0	0.0
071	6/25/2020 08:35:36	0.0	0.0	0.0
072	6/25/2020 08:36:36	0.0	0.0	0.0
073	6/25/2020 08:37:36	0.0	0.0	0.0
074	6/25/2020 08:38:36	0.0	0.0	0.0
075	6/25/2020 08:39:36	0.0	0.0	0.0
076	6/25/2020 08:40:36	0.0	0.0	0.0
077	6/25/2020 08:41:36	0.0	0.0	0.0
078	6/25/2020 08:42:36	0.0	0.0	0.0
079	6/25/2020 08:43:36	0.0	0.0	0.0
080	6/25/2020 08:44:36	0.0	0.0	0.0
081	6/25/2020 08:45:36	0.0	0.0	0.0
082	6/25/2020 08:46:36	0.0	0.0	0.0
083	6/25/2020 08:47:36	0.0	0.0	0.0
084	6/25/2020 08:48:36	0.0	0.0	0.0
085	6/25/2020 08:49:36	0.0	0.0	0.0
086	6/25/2020 08:50:36	0.0	0.0	0.0
087	6/25/2020 08:51:36	0.0	0.0	0.0
088	6/25/2020 08:52:36	0.0	0.0	0.0
089	6/25/2020 08:53:36	0.0	0.0	0.0
090	6/25/2020 08:54:36	0.0	0.0	0.0
091	6/25/2020 08:55:36	0.0	0.0	0.0
092	6/25/2020 08:56:36	0.0	0.0	0.0
093	6/25/2020 08:57:36	0.0	0.0	0.0
094	6/25/2020 08:58:36	0.0	0.0	0.0

095	6/25/2020 08:59:36	0.0	0.0	0.0
096	6/25/2020 09:00:36	0.0	0.0	0.0
097	6/25/2020 09:01:36	0.0	0.0	0.0
098	6/25/2020 09:02:36	0.0	0.0	0.0
099	6/25/2020 09:03:36	0.0	0.0	0.0
100	6/25/2020 09:04:36	0.0	0.0	0.0
101	6/25/2020 09:05:36	0.0	0.0	0.0
102	6/25/2020 09:06:36	0.0	0.0	0.0
103	6/25/2020 09:07:36	0.0	0.0	0.0
104	6/25/2020 09:08:36	0.0	0.0	0.0
105	6/25/2020 09:09:36	0.0	0.0	0.0
106	6/25/2020 09:10:36	0.0	0.0	0.0
107	6/25/2020 09:11:36	0.0	0.0	0.0
108	6/25/2020 09:12:36	0.0	0.0	0.0
109	6/25/2020 09:13:36	0.0	0.0	0.0
110	6/25/2020 09:14:36	0.0	0.0	0.0
111	6/25/2020 09:15:36	0.0	0.0	0.0
112	6/25/2020 09:16:36	0.0	0.0	0.0
113	6/25/2020 09:17:36	0.0	0.0	0.0
114	6/25/2020 09:18:36	0.0	0.0	0.0
115	6/25/2020 09:19:36	0.0	0.0	0.0
116	6/25/2020 09:20:36	0.0	0.0	0.0
117	6/25/2020 09:21:36	0.0	0.0	0.0
118	6/25/2020 09:22:36	0.0	0.0	0.0
119	6/25/2020 09:23:36	0.0	0.0	0.0
120	6/25/2020 09:24:36	0.0	0.0	0.0
121	6/25/2020 09:25:36	0.0	0.0	0.0
122	6/25/2020 09:26:36	0.0	0.0	0.0
123	6/25/2020 09:27:36	0.0	0.0	0.0
124	6/25/2020 09:28:36	0.0	0.0	0.0
125	6/25/2020 09:29:36	0.0	0.0	0.0
126	6/25/2020 09:30:36	0.0	0.0	0.0
127	6/25/2020 09:31:36	0.0	0.0	0.0
128	6/25/2020 09:32:36	0.0	0.0	0.0
129	6/25/2020 09:33:36	0.0	0.0	0.0
130	6/25/2020 09:34:36	0.0	0.0	0.0
131	6/25/2020 09:35:36	0.0	0.0	0.0
132	6/25/2020 09:36:36	0.0	0.0	0.0
133	6/25/2020 09:37:36	0.0	0.0	0.0
134	6/25/2020 09:38:36	0.0	0.0	0.0
135	6/25/2020 09:39:36	0.0	0.0	0.0
136	6/25/2020 09:40:36	0.0	0.0	0.0
137	6/25/2020 09:41:36	0.0	0.0	0.0
138	6/25/2020 09:42:36	0.0	0.0	0.0
139	6/25/2020 09:43:36	0.0	0.0	0.0
140	6/25/2020 09:44:36	0.0	0.0	0.0
141	6/25/2020 09:45:36	0.0	0.0	0.0
142	6/25/2020 09:46:36	0.0	0.0	0.0
143	6/25/2020 09:47:36	0.0	0.0	0.0
144	6/25/2020 09:48:36	0.0	0.0	0.0



145	6/25/2020 09:49:36	0.0	0.0	0.0
146	6/25/2020 09:50:36	0.0	0.0	0.0
147	6/25/2020 09:51:36	0.0	0.0	0.0
148	6/25/2020 09:52:36	0.0	0.0	0.0
149	6/25/2020 09:53:36	0.0	0.0	0.0
150	6/25/2020 09:54:36	0.0	0.0	0.0
151	6/25/2020 09:55:36	0.0	0.0	0.0
152	6/25/2020 09:56:36	0.0	0.0	0.0
153	6/25/2020 09:57:36	0.0	0.0	0.0
154	6/25/2020 09:58:36	0.0	0.0	0.0
155	6/25/2020 09:59:36	0.0	0.0	0.0
156	6/25/2020 10:00:36	0.0	0.0	0.0
157	6/25/2020 10:01:36	0.0	0.0	0.0
158	6/25/2020 10:02:36	0.0	0.0	0.0
159	6/25/2020 10:03:36	0.0	0.0	0.0
160	6/25/2020 10:04:36	0.0	0.0	0.0
161	6/25/2020 10:05:36	0.0	0.0	0.0
162	6/25/2020 10:06:36	0.0	0.0	0.0
163	6/25/2020 10:07:36	0.0	0.0	0.0
164	6/25/2020 10:08:36	0.0	0.0	0.0
165	6/25/2020 10:09:36	0.0	0.0	0.0
166	6/25/2020 10:10:36	0.0	0.0	0.0
167	6/25/2020 10:11:36	0.0	0.0	0.0
168	6/25/2020 10:12:36	0.0	0.0	0.0
169	6/25/2020 10:13:36	0.0	0.0	0.0
170	6/25/2020 10:14:36	0.0	0.0	0.0
171	6/25/2020 10:15:36	0.0	0.0	0.0
172	6/25/2020 10:16:36	0.0	0.0	0.0
173	6/25/2020 10:17:36	0.0	0.0	0.0
174	6/25/2020 10:18:36	0.0	0.0	0.0
175	6/25/2020 10:19:36	0.0	0.0	0.0
176	6/25/2020 10:20:36	0.0	0.0	0.0
177	6/25/2020 10:21:36	0.0	0.0	0.0
178	6/25/2020 10:22:36	0.0	0.0	0.0
179	6/25/2020 10:23:36	0.0	0.0	0.0
180	6/25/2020 10:24:36	0.0	0.0	0.0
181	6/25/2020 10:25:36	0.0	0.0	0.0
182	6/25/2020 10:26:36	0.0	0.0	0.0
183	6/25/2020 10:27:36	0.0	0.0	0.0
184	6/25/2020 10:28:36	0.0	0.0	0.0
185	6/25/2020 10:29:36	0.0	0.0	0.0
186	6/25/2020 10:30:36	0.0	0.0	0.0
187	6/25/2020 10:31:36	0.0	0.0	0.0
188	6/25/2020 10:32:36	0.0	0.0	0.0
189	6/25/2020 10:33:36	0.0	0.0	0.0
190	6/25/2020 10:34:36	0.0	0.0	0.0
191	6/25/2020 10:35:36	0.0	0.0	0.0
192	6/25/2020 10:36:36	0.0	0.0	0.0
193	6/25/2020 10:37:36	0.0	0.0	0.0
194	6/25/2020 10:38:36	0.0	0.0	0.0

195	6/25/2020	10:39:36	0.0	0.0	0.0
196	6/25/2020	10:40:36	0.0	0.0	0.0
197	6/25/2020	10:41:36	0.0	0.0	0.0
198	6/25/2020	10:42:36	0.0	0.0	0.0
199	6/25/2020	10:43:36	0.0	0.0	0.0
200	6/25/2020	10:44:36	0.0	0.0	0.0
201	6/25/2020	10:45:36	0.0	0.0	0.0
202	6/25/2020	10:46:36	0.0	0.0	0.0
203	6/25/2020	10:47:36	0.0	0.0	0.0
204	6/25/2020	10:48:36	0.0	0.0	0.0
205	6/25/2020	10:49:36	0.0	0.0	0.0
206	6/25/2020	10:50:36	0.0	0.0	0.0
207	6/25/2020	10:51:36	0.0	0.0	0.0
208	6/25/2020	10:52:36	0.0	0.0	0.0
209	6/25/2020	10:53:36	0.0	0.0	0.0
210	6/25/2020	10:54:36	0.0	0.0	0.0
211	6/25/2020	10:55:36	0.0	0.0	0.0
212	6/25/2020	10:56:36	0.0	0.0	0.0
213	6/25/2020	10:57:36	0.0	0.0	0.0
214	6/25/2020	10:58:36	0.0	0.0	0.0
215	6/25/2020	10:59:36	0.0	0.0	0.0
216	6/25/2020	11:00:36	0.0	0.0	0.0
217	6/25/2020	11:01:36	0.0	0.0	0.0
218	6/25/2020	11:02:36	0.0	0.0	0.0
219	6/25/2020	11:03:36	0.0	0.0	0.0
220	6/25/2020	11:04:36	0.0	0.0	0.0
221	6/25/2020	11:05:36	0.0	0.0	0.0
222	6/25/2020	11:06:36	0.0	0.0	0.0
223	6/25/2020	11:07:36	0.0	0.0	0.0
224	6/25/2020	11:08:36	0.0	0.0	0.0
225	6/25/2020	11:09:36	0.0	0.0	0.0
226	6/25/2020	11:10:36	0.0	0.0	0.0
227	6/25/2020	11:11:36	0.0	0.0	0.0
228	6/25/2020	11:12:36	0.0	0.0	0.0
229	6/25/2020	11:13:36	0.0	0.0	0.0
230	6/25/2020	11:14:36	0.0	0.0	0.0
231	6/25/2020	11:15:36	0.0	0.0	0.0
232	6/25/2020	11:16:36	0.0	0.0	0.0
233	6/25/2020	11:17:36	0.0	0.0	0.0
234	6/25/2020	11:18:36	0.0	0.0	0.0
235	6/25/2020	11:19:36	0.0	0.0	0.0
236	6/25/2020	11:20:36	0.0	0.0	0.0
237	6/25/2020	11:21:36	0.0	0.0	0.0
238	6/25/2020	11:22:36	0.0	0.0	0.0
239	6/25/2020	11:23:36	0.0	0.0	0.0
240	6/25/2020	11:24:36	0.0	0.0	0.0
241	6/25/2020	11:25:36	0.0	0.0	0.0
242	6/25/2020	11:26:36	0.0	0.0	0.0
243	6/25/2020	11:27:36	0.0	0.0	0.0
244	6/25/2020	11:28:36	0.0	0.0	0.0

245	6/25/2020	11:29:36	0.0	0.0	0.0
246	6/25/2020	11:30:36	0.0	0.0	0.0
247	6/25/2020	11:31:36	0.0	0.0	0.0
248	6/25/2020	11:32:36	0.0	0.0	0.0
249	6/25/2020	11:33:36	0.0	0.0	0.0
250	6/25/2020	11:34:36	0.0	0.0	0.0
251	6/25/2020	11:35:36	0.0	0.0	0.0
252	6/25/2020	11:36:36	0.0	0.0	0.0
253	6/25/2020	11:37:36	0.0	0.0	0.0
254	6/25/2020	11:38:36	0.0	0.0	0.0
255	6/25/2020	11:39:36	0.0	0.0	0.0
256	6/25/2020	11:40:36	0.0	0.0	0.0
257	6/25/2020	11:41:36	0.0	0.0	0.0
258	6/25/2020	11:42:36	0.0	0.0	0.0
259	6/25/2020	11:43:36	0.0	0.0	0.0
260	6/25/2020	11:44:36	0.0	0.0	0.0
261	6/25/2020	11:45:36	0.0	0.0	0.0
262	6/25/2020	11:46:36	0.0	0.0	0.0
263	6/25/2020	11:47:36	0.0	0.0	0.0
264	6/25/2020	11:48:36	0.0	0.0	0.0
265	6/25/2020	11:49:36	0.0	0.0	0.0
266	6/25/2020	11:50:36	0.0	0.0	0.0
267	6/25/2020	11:51:36	0.0	0.0	0.0
268	6/25/2020	11:52:36	0.0	0.0	0.0
269	6/25/2020	11:53:36	0.0	0.0	0.0
270	6/25/2020	11:54:36	0.0	0.0	0.0
271	6/25/2020	11:55:36	0.0	0.0	0.0
272	6/25/2020	11:56:36	0.0	0.0	0.0
273	6/25/2020	11:57:36	0.0	0.0	0.0
274	6/25/2020	11:58:36	0.0	0.0	0.0
275	6/25/2020	11:59:36	0.0	0.0	0.0
276	6/25/2020	12:00:36	0.0	0.0	0.0
277	6/25/2020	12:01:36	0.0	0.0	0.0
278	6/25/2020	12:02:36	0.0	0.0	0.0
279	6/25/2020	12:03:36	0.0	0.0	0.0
280	6/25/2020	12:04:36	0.0	0.0	0.0
281	6/25/2020	12:05:36	0.0	0.0	0.0
282	6/25/2020	12:06:36	0.0	0.0	0.0
283	6/25/2020	12:07:36	0.0	0.0	0.0
284	6/25/2020	12:08:36	0.0	0.0	0.0
285	6/25/2020	12:09:36	0.0	0.0	0.0
286	6/25/2020	12:10:36	0.0	0.0	0.0
287	6/25/2020	12:11:36	0.0	0.0	0.0
288	6/25/2020	12:12:36	0.0	0.0	0.0
289	6/25/2020	12:13:36	0.0	0.0	0.0
290	6/25/2020	12:14:36	0.0	0.0	0.0
291	6/25/2020	12:15:36	0.0	0.0	0.0
292	6/25/2020	12:16:36	0.0	0.0	0.0
293	6/25/2020	12:17:36	0.0	0.0	0.0
294	6/25/2020	12:18:36	0.0	0.0	0.0

295	6/25/2020	12:19:36	0.0	0.0	0.0
296	6/25/2020	12:20:36	0.0	0.0	0.0
297	6/25/2020	12:21:36	0.0	0.0	0.0
298	6/25/2020	12:22:36	0.0	0.0	0.0
299	6/25/2020	12:23:36	0.0	0.0	0.0
300	6/25/2020	12:24:36	0.0	0.0	0.0
301	6/25/2020	12:25:36	0.0	0.0	0.0
302	6/25/2020	12:26:36	0.0	0.0	0.0
303	6/25/2020	12:27:36	0.0	0.0	0.0
304	6/25/2020	12:28:36	0.0	0.0	0.0
305	6/25/2020	12:29:36	0.0	0.0	0.0
306	6/25/2020	12:30:36	0.0	0.0	0.0
307	6/25/2020	12:31:36	0.0	0.0	0.0
308	6/25/2020	12:32:36	0.0	0.0	0.0
309	6/25/2020	12:33:36	0.0	0.0	0.0
310	6/25/2020	12:34:36	0.0	0.0	0.0
311	6/25/2020	12:35:36	0.0	0.0	0.0
312	6/25/2020	12:36:36	0.0	0.0	0.0
313	6/25/2020	12:37:36	0.0	0.0	0.0
314	6/25/2020	12:38:36	0.0	0.0	0.0
315	6/25/2020	12:39:36	0.0	0.0	0.0
316	6/25/2020	12:40:36	0.0	0.0	0.0
317	6/25/2020	12:41:36	0.0	0.0	0.0
318	6/25/2020	12:42:36	0.0	0.0	0.0
319	6/25/2020	12:43:36	0.0	0.0	0.0
320	6/25/2020	12:44:36	0.0	0.0	0.0
321	6/25/2020	12:45:36	0.0	0.0	0.0
322	6/25/2020	12:46:36	0.0	0.0	0.0
323	6/25/2020	12:47:36	0.0	0.0	0.0
324	6/25/2020	12:48:36	0.0	0.0	0.0
325	6/25/2020	12:49:36	0.0	0.0	0.0
326	6/25/2020	12:50:36	0.0	0.0	0.0
327	6/25/2020	12:51:36	0.0	0.0	0.0
328	6/25/2020	12:52:36	0.0	0.0	0.0
329	6/25/2020	12:53:36	0.0	0.0	0.0
330	6/25/2020	12:54:36	0.0	0.0	0.0
331	6/25/2020	12:55:36	0.0	0.0	0.0
332	6/25/2020	12:56:36	0.0	0.0	0.0
333	6/25/2020	12:57:36	0.0	0.0	0.0
334	6/25/2020	12:58:36	0.0	0.0	0.0
335	6/25/2020	12:59:36	0.0	0.0	0.0
336	6/25/2020	13:00:36	0.0	0.0	0.0
337	6/25/2020	13:01:36	0.0	0.0	0.0
338	6/25/2020	13:02:36	0.0	0.0	0.0
339	6/25/2020	13:03:36	0.0	0.0	0.0
340	6/25/2020	13:04:36	0.0	0.0	0.0
341	6/25/2020	13:05:36	0.0	0.0	0.0
342	6/25/2020	13:06:36	0.0	0.0	0.0
343	6/25/2020	13:07:36	0.0	0.0	0.0
344	6/25/2020	13:08:36	0.0	0.0	0.0



345	6/25/2020	13:09:36	0.0	0.0	0.0
346	6/25/2020	13:10:36	0.0	0.0	0.0
347	6/25/2020	13:11:36	0.0	0.0	0.0
348	6/25/2020	13:12:36	0.1	1.1	0.0
349	6/25/2020	13:13:36	0.0	0.2	0.1
350	6/25/2020	13:14:36	0.0	0.0	0.0
351	6/25/2020	13:15:36	0.0	0.0	0.0
352	6/25/2020	13:16:36	0.0	0.0	0.0
353	6/25/2020	13:17:36	0.0	0.0	0.0
354	6/25/2020	13:18:36	0.0	0.2	0.0
355	6/25/2020	13:19:36	0.0	0.0	0.0
356	6/25/2020	13:20:36	0.0	0.0	0.0
357	6/25/2020	13:21:36	0.0	0.1	0.0
358	6/25/2020	13:22:36	0.0	0.1	0.0
359	6/25/2020	13:23:36	0.0	0.2	0.0
360	6/25/2020	13:24:36	0.0	0.0	0.0
361	6/25/2020	13:25:36	0.0	0.0	0.0
362	6/25/2020	13:26:36	0.0	0.0	0.0
363	6/25/2020	13:27:36	0.0	0.0	0.0
364	6/25/2020	13:28:36	0.0	0.0	0.0
365	6/25/2020	13:29:36	0.0	0.0	0.0
366	6/25/2020	13:30:36	0.0	0.0	0.0
367	6/25/2020	13:31:36	0.0	0.0	0.0
368	6/25/2020	13:32:36	0.0	0.0	0.0
369	6/25/2020	13:33:36	0.0	0.0	0.0
370	6/25/2020	13:34:36	0.0	0.0	0.0
371	6/25/2020	13:35:36	0.0	0.0	0.0
372	6/25/2020	13:36:36	0.0	0.0	0.0
373	6/25/2020	13:37:36	0.0	0.0	0.0
374	6/25/2020	13:38:36	0.0	0.0	0.0
375	6/25/2020	13:39:36	0.0	0.0	0.0
376	6/25/2020	13:40:36	0.0	0.0	0.0
377	6/25/2020	13:41:36	0.0	0.0	0.0
378	6/25/2020	13:42:36	0.0	0.0	0.0
379	6/25/2020	13:43:36	0.0	0.0	0.0
380	6/25/2020	13:44:36	0.0	0.0	0.0
381	6/25/2020	13:45:36	0.0	0.0	0.0
382	6/25/2020	13:46:36	0.0	0.0	0.0
383	6/25/2020	13:47:36	0.0	0.0	0.0
384	6/25/2020	13:48:36	0.0	0.0	0.0
385	6/25/2020	13:49:36	0.0	0.0	0.0
386	6/25/2020	13:50:36	0.0	0.0	0.0
387	6/25/2020	13:51:36	0.0	0.0	0.0
388	6/25/2020	13:52:36	0.0	0.0	0.0
389	6/25/2020	13:53:36	0.0	0.0	0.0
390	6/25/2020	13:54:36	0.0	0.0	0.0
391	6/25/2020	13:55:36	0.0	0.0	0.0
392	6/25/2020	13:56:36	0.0	0.0	0.0
393	6/25/2020	13:57:36	0.0	0.0	0.0
394	6/25/2020	13:58:36	0.0	0.0	0.0

395	6/25/2020	13:59:36	0.0	0.0	0.0
396	6/25/2020	14:00:36	0.0	0.0	0.0
397	6/25/2020	14:01:36	0.0	0.0	0.0
398	6/25/2020	14:02:36	0.0	0.0	0.0
399	6/25/2020	14:03:36	0.0	0.0	0.0
400	6/25/2020	14:04:36	0.0	0.0	0.0
401	6/25/2020	14:05:36	0.0	0.0	0.0
402	6/25/2020	14:06:36	0.0	0.0	0.0
403	6/25/2020	14:07:36	0.0	0.0	0.0
404	6/25/2020	14:08:36	0.0	0.0	0.0
405	6/25/2020	14:09:36	0.0	0.0	0.0
406	6/25/2020	14:10:36	0.0	0.0	0.0
407	6/25/2020	14:11:36	0.0	0.0	0.0
408	6/25/2020	14:12:36	0.0	0.0	0.0
409	6/25/2020	14:13:36	0.0	0.0	0.0
410	6/25/2020	14:14:36	0.0	0.0	0.0
411	6/25/2020	14:15:36	0.0	0.0	0.0
412	6/25/2020	14:16:36	0.0	0.0	0.0
413	6/25/2020	14:17:36	0.0	0.0	0.0
414	6/25/2020	14:18:36	0.0	0.0	0.0
415	6/25/2020	14:19:36	0.0	0.0	0.0
416	6/25/2020	14:20:36	0.0	0.0	0.0
417	6/25/2020	14:21:36	0.0	0.0	0.0
418	6/25/2020	14:22:36	0.0	0.0	0.0
419	6/25/2020	14:23:36	0.0	0.0	0.0
420	6/25/2020	14:24:36	0.0	0.0	0.0
421	6/25/2020	14:25:36	0.0	0.0	0.0
422	6/25/2020	14:26:36	0.0	0.0	0.0
423	6/25/2020	14:27:36	0.0	0.0	0.0
424	6/25/2020	14:28:36	0.0	0.0	0.0
425	6/25/2020	14:29:36	0.0	0.0	0.0
426	6/25/2020	14:30:36	0.0	0.0	0.0
427	6/25/2020	14:31:36	0.0	0.0	0.0
428	6/25/2020	14:32:36	0.0	0.0	0.0
429	6/25/2020	14:33:36	0.0	0.0	0.0
430	6/25/2020	14:34:36	0.0	0.0	0.0
431	6/25/2020	14:35:36	0.0	0.0	0.0
432	6/25/2020	14:36:36	0.0	0.0	0.0
433	6/25/2020	14:37:36	0.0	0.0	0.0
434	6/25/2020	14:38:36	0.0	0.0	0.0
435	6/25/2020	14:39:36	0.0	0.0	0.0
436	6/25/2020	14:40:36	0.0	0.0	0.0
437	6/25/2020	14:41:36	0.0	0.0	0.0
438	6/25/2020	14:42:36	0.0	0.0	0.0
439	6/25/2020	14:43:36	0.0	0.0	0.0
440	6/25/2020	14:44:36	0.0	0.0	0.0
441	6/25/2020	14:45:36	0.0	0.0	0.0
442	6/25/2020	14:46:36	0.0	0.0	0.0
443	6/25/2020	14:47:36	0.0	0.0	0.0
444	6/25/2020	14:48:36	0.0	0.0	0.0

445	6/25/2020	14:49:36	0.0	0.0	0.0
446	6/25/2020	14:50:36	0.0	0.0	0.0
447	6/25/2020	14:51:36	0.0	0.0	0.0
448	6/25/2020	14:52:36	0.0	0.0	0.0
449	6/25/2020	14:53:36	0.0	0.0	0.0
Peak		0.1 1.1	0.1		
Min		0.0 0.0	0.0		
Average		0.0 0.0	0.0		

\*\*\*\*\*

# TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	6/25/2020 07:25:36	0.0	---
002	6/25/2020 07:26:36	0.0	---
003	6/25/2020 07:27:36	0.0	---
004	6/25/2020 07:28:36	0.0	---
005	6/25/2020 07:29:36	0.0	---
006	6/25/2020 07:30:36	0.0	---
007	6/25/2020 07:31:36	0.0	---
008	6/25/2020 07:32:36	0.0	---
009	6/25/2020 07:33:36	0.0	---
010	6/25/2020 07:34:36	0.0	---
011	6/25/2020 07:35:36	0.0	---
012	6/25/2020 07:36:36	0.0	---
013	6/25/2020 07:37:36	0.0	---
014	6/25/2020 07:38:36	0.0	---
015	6/25/2020 07:39:36	0.0	0.0
016	6/25/2020 07:40:36	0.0	0.0
017	6/25/2020 07:41:36	0.0	0.0
018	6/25/2020 07:42:36	0.0	0.0
019	6/25/2020 07:43:36	0.0	0.0
020	6/25/2020 07:44:36	0.0	0.0
021	6/25/2020 07:45:36	0.0	0.0
022	6/25/2020 07:46:36	0.0	0.0
023	6/25/2020 07:47:36	0.0	0.0
024	6/25/2020 07:48:36	0.0	0.0
025	6/25/2020 07:49:36	0.0	0.0
026	6/25/2020 07:50:36	0.0	0.0
027	6/25/2020 07:51:36	0.0	0.0
028	6/25/2020 07:52:36	0.0	0.0
029	6/25/2020 07:53:36	0.0	0.0
030	6/25/2020 07:54:36	0.0	0.0
031	6/25/2020 07:55:36	0.0	0.0
032	6/25/2020 07:56:36	0.0	0.0
033	6/25/2020 07:57:36	0.0	0.0
034	6/25/2020 07:58:36	0.0	0.0
035	6/25/2020 07:59:36	0.0	0.0
036	6/25/2020 08:00:36	0.0	0.0
037	6/25/2020 08:01:36	0.0	0.0

038	6/25/2020 08:02:36	0.0	0.0
039	6/25/2020 08:03:36	0.0	0.0
040	6/25/2020 08:04:36	0.0	0.0
041	6/25/2020 08:05:36	0.0	0.0
042	6/25/2020 08:06:36	0.0	0.0
043	6/25/2020 08:07:36	0.0	0.0
044	6/25/2020 08:08:36	0.0	0.0
045	6/25/2020 08:09:36	0.0	0.0
046	6/25/2020 08:10:36	0.0	0.0
047	6/25/2020 08:11:36	0.0	0.0
048	6/25/2020 08:12:36	0.0	0.0
049	6/25/2020 08:13:36	0.0	0.0
050	6/25/2020 08:14:36	0.0	0.0
051	6/25/2020 08:15:36	0.0	0.0
052	6/25/2020 08:16:36	0.0	0.0
053	6/25/2020 08:17:36	0.0	0.0
054	6/25/2020 08:18:36	0.0	0.0
055	6/25/2020 08:19:36	0.0	0.0
056	6/25/2020 08:20:36	0.0	0.0
057	6/25/2020 08:21:36	0.0	0.0
058	6/25/2020 08:22:36	0.0	0.0
059	6/25/2020 08:23:36	0.0	0.0
060	6/25/2020 08:24:36	0.0	0.0
061	6/25/2020 08:25:36	0.0	0.0
062	6/25/2020 08:26:36	0.0	0.0
063	6/25/2020 08:27:36	0.0	0.0
064	6/25/2020 08:28:36	0.0	0.0
065	6/25/2020 08:29:36	0.0	0.0
066	6/25/2020 08:30:36	0.0	0.0
067	6/25/2020 08:31:36	0.0	0.0
068	6/25/2020 08:32:36	0.0	0.0
069	6/25/2020 08:33:36	0.0	0.0
070	6/25/2020 08:34:36	0.0	0.0
071	6/25/2020 08:35:36	0.0	0.0
072	6/25/2020 08:36:36	0.0	0.0
073	6/25/2020 08:37:36	0.0	0.0
074	6/25/2020 08:38:36	0.0	0.0
075	6/25/2020 08:39:36	0.0	0.0
076	6/25/2020 08:40:36	0.0	0.0
077	6/25/2020 08:41:36	0.0	0.0
078	6/25/2020 08:42:36	0.0	0.0
079	6/25/2020 08:43:36	0.0	0.0
080	6/25/2020 08:44:36	0.0	0.0
081	6/25/2020 08:45:36	0.0	0.0
082	6/25/2020 08:46:36	0.0	0.0
083	6/25/2020 08:47:36	0.0	0.0
084	6/25/2020 08:48:36	0.0	0.0
085	6/25/2020 08:49:36	0.0	0.0
086	6/25/2020 08:50:36	0.0	0.0
087	6/25/2020 08:51:36	0.0	0.0



088	6/25/2020 08:52:36	0.0	0.0
089	6/25/2020 08:53:36	0.0	0.0
090	6/25/2020 08:54:36	0.0	0.0
091	6/25/2020 08:55:36	0.0	0.0
092	6/25/2020 08:56:36	0.0	0.0
093	6/25/2020 08:57:36	0.0	0.0
094	6/25/2020 08:58:36	0.0	0.0
095	6/25/2020 08:59:36	0.0	0.0
096	6/25/2020 09:00:36	0.0	0.0
097	6/25/2020 09:01:36	0.0	0.0
098	6/25/2020 09:02:36	0.0	0.0
099	6/25/2020 09:03:36	0.0	0.0
100	6/25/2020 09:04:36	0.0	0.0
101	6/25/2020 09:05:36	0.0	0.0
102	6/25/2020 09:06:36	0.0	0.0
103	6/25/2020 09:07:36	0.0	0.0
104	6/25/2020 09:08:36	0.0	0.0
105	6/25/2020 09:09:36	0.0	0.0
106	6/25/2020 09:10:36	0.0	0.0
107	6/25/2020 09:11:36	0.0	0.0
108	6/25/2020 09:12:36	0.0	0.0
109	6/25/2020 09:13:36	0.0	0.0
110	6/25/2020 09:14:36	0.0	0.0
111	6/25/2020 09:15:36	0.0	0.0
112	6/25/2020 09:16:36	0.0	0.0
113	6/25/2020 09:17:36	0.0	0.0
114	6/25/2020 09:18:36	0.0	0.0
115	6/25/2020 09:19:36	0.0	0.0
116	6/25/2020 09:20:36	0.0	0.0
117	6/25/2020 09:21:36	0.0	0.0
118	6/25/2020 09:22:36	0.0	0.0
119	6/25/2020 09:23:36	0.0	0.0
120	6/25/2020 09:24:36	0.0	0.0
121	6/25/2020 09:25:36	0.0	0.0
122	6/25/2020 09:26:36	0.0	0.0
123	6/25/2020 09:27:36	0.0	0.0
124	6/25/2020 09:28:36	0.0	0.0
125	6/25/2020 09:29:36	0.0	0.0
126	6/25/2020 09:30:36	0.0	0.0
127	6/25/2020 09:31:36	0.0	0.0
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129	6/25/2020 09:33:36	0.0	0.0
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131	6/25/2020 09:35:36	0.0	0.0
132	6/25/2020 09:36:36	0.0	0.0
133	6/25/2020 09:37:36	0.0	0.0
134	6/25/2020 09:38:36	0.0	0.0
135	6/25/2020 09:39:36	0.0	0.0
136	6/25/2020 09:40:36	0.0	0.0
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138	6/25/2020 09:42:36	0.0	0.0
139	6/25/2020 09:43:36	0.0	0.0
140	6/25/2020 09:44:36	0.0	0.0
141	6/25/2020 09:45:36	0.0	0.0
142	6/25/2020 09:46:36	0.0	0.0
143	6/25/2020 09:47:36	0.0	0.0
144	6/25/2020 09:48:36	0.0	0.0
145	6/25/2020 09:49:36	0.0	0.0
146	6/25/2020 09:50:36	0.0	0.0
147	6/25/2020 09:51:36	0.0	0.0
148	6/25/2020 09:52:36	0.0	0.0
149	6/25/2020 09:53:36	0.0	0.0
150	6/25/2020 09:54:36	0.0	0.0
151	6/25/2020 09:55:36	0.0	0.0
152	6/25/2020 09:56:36	0.0	0.0
153	6/25/2020 09:57:36	0.0	0.0
154	6/25/2020 09:58:36	0.0	0.0
155	6/25/2020 09:59:36	0.0	0.0
156	6/25/2020 10:00:36	0.0	0.0
157	6/25/2020 10:01:36	0.0	0.0
158	6/25/2020 10:02:36	0.0	0.0
159	6/25/2020 10:03:36	0.0	0.0
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161	6/25/2020 10:05:36	0.0	0.0
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163	6/25/2020 10:07:36	0.0	0.0
164	6/25/2020 10:08:36	0.0	0.0
165	6/25/2020 10:09:36	0.0	0.0
166	6/25/2020 10:10:36	0.0	0.0
167	6/25/2020 10:11:36	0.0	0.0
168	6/25/2020 10:12:36	0.0	0.0
169	6/25/2020 10:13:36	0.0	0.0
170	6/25/2020 10:14:36	0.0	0.0
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172	6/25/2020 10:16:36	0.0	0.0
173	6/25/2020 10:17:36	0.0	0.0
174	6/25/2020 10:18:36	0.0	0.0
175	6/25/2020 10:19:36	0.0	0.0
176	6/25/2020 10:20:36	0.0	0.0
177	6/25/2020 10:21:36	0.0	0.0
178	6/25/2020 10:22:36	0.0	0.0
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180	6/25/2020 10:24:36	0.0	0.0
181	6/25/2020 10:25:36	0.0	0.0
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187	6/25/2020 10:31:36	0.0	0.0

188	6/25/2020	10:32:36	0.0	0.0
189	6/25/2020	10:33:36	0.0	0.0
190	6/25/2020	10:34:36	0.0	0.0
191	6/25/2020	10:35:36	0.0	0.0
192	6/25/2020	10:36:36	0.0	0.0
193	6/25/2020	10:37:36	0.0	0.0
194	6/25/2020	10:38:36	0.0	0.0
195	6/25/2020	10:39:36	0.0	0.0
196	6/25/2020	10:40:36	0.0	0.0
197	6/25/2020	10:41:36	0.0	0.0
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199	6/25/2020	10:43:36	0.0	0.0
200	6/25/2020	10:44:36	0.0	0.0
201	6/25/2020	10:45:36	0.0	0.0
202	6/25/2020	10:46:36	0.0	0.0
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204	6/25/2020	10:48:36	0.0	0.0
205	6/25/2020	10:49:36	0.0	0.0
206	6/25/2020	10:50:36	0.0	0.0
207	6/25/2020	10:51:36	0.0	0.0
208	6/25/2020	10:52:36	0.0	0.0
209	6/25/2020	10:53:36	0.0	0.0
210	6/25/2020	10:54:36	0.0	0.0
211	6/25/2020	10:55:36	0.0	0.0
212	6/25/2020	10:56:36	0.0	0.0
213	6/25/2020	10:57:36	0.0	0.0
214	6/25/2020	10:58:36	0.0	0.0
215	6/25/2020	10:59:36	0.0	0.0
216	6/25/2020	11:00:36	0.0	0.0
217	6/25/2020	11:01:36	0.0	0.0
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219	6/25/2020	11:03:36	0.0	0.0
220	6/25/2020	11:04:36	0.0	0.0
221	6/25/2020	11:05:36	0.0	0.0
222	6/25/2020	11:06:36	0.0	0.0
223	6/25/2020	11:07:36	0.0	0.0
224	6/25/2020	11:08:36	0.0	0.0
225	6/25/2020	11:09:36	0.0	0.0
226	6/25/2020	11:10:36	0.0	0.0
227	6/25/2020	11:11:36	0.0	0.0
228	6/25/2020	11:12:36	0.0	0.0
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231	6/25/2020	11:15:36	0.0	0.0
232	6/25/2020	11:16:36	0.0	0.0
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234	6/25/2020	11:18:36	0.0	0.0
235	6/25/2020	11:19:36	0.0	0.0
236	6/25/2020	11:20:36	0.0	0.0
237	6/25/2020	11:21:36	0.0	0.0

238	6/25/2020	11:22:36	0.0	0.0
239	6/25/2020	11:23:36	0.0	0.0
240	6/25/2020	11:24:36	0.0	0.0
241	6/25/2020	11:25:36	0.0	0.0
242	6/25/2020	11:26:36	0.0	0.0
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255	6/25/2020	11:39:36	0.0	0.0
256	6/25/2020	11:40:36	0.0	0.0
257	6/25/2020	11:41:36	0.0	0.0
258	6/25/2020	11:42:36	0.0	0.0
259	6/25/2020	11:43:36	0.0	0.0
260	6/25/2020	11:44:36	0.0	0.0
261	6/25/2020	11:45:36	0.0	0.0
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263	6/25/2020	11:47:36	0.0	0.0
264	6/25/2020	11:48:36	0.0	0.0
265	6/25/2020	11:49:36	0.0	0.0
266	6/25/2020	11:50:36	0.0	0.0
267	6/25/2020	11:51:36	0.0	0.0
268	6/25/2020	11:52:36	0.0	0.0
269	6/25/2020	11:53:36	0.0	0.0
270	6/25/2020	11:54:36	0.0	0.0
271	6/25/2020	11:55:36	0.0	0.0
272	6/25/2020	11:56:36	0.0	0.0
273	6/25/2020	11:57:36	0.0	0.0
274	6/25/2020	11:58:36	0.0	0.0
275	6/25/2020	11:59:36	0.0	0.0
276	6/25/2020	12:00:36	0.0	0.0
277	6/25/2020	12:01:36	0.0	0.0
278	6/25/2020	12:02:36	0.0	0.0
279	6/25/2020	12:03:36	0.0	0.0
280	6/25/2020	12:04:36	0.0	0.0
281	6/25/2020	12:05:36	0.0	0.0
282	6/25/2020	12:06:36	0.0	0.0
283	6/25/2020	12:07:36	0.0	0.0
284	6/25/2020	12:08:36	0.0	0.0
285	6/25/2020	12:09:36	0.0	0.0
286	6/25/2020	12:10:36	0.0	0.0
287	6/25/2020	12:11:36	0.0	0.0



288	6/25/2020	12:12:36	0.0	0.0
289	6/25/2020	12:13:36	0.0	0.0
290	6/25/2020	12:14:36	0.0	0.0
291	6/25/2020	12:15:36	0.0	0.0
292	6/25/2020	12:16:36	0.0	0.0
293	6/25/2020	12:17:36	0.0	0.0
294	6/25/2020	12:18:36	0.0	0.0
295	6/25/2020	12:19:36	0.0	0.0
296	6/25/2020	12:20:36	0.0	0.0
297	6/25/2020	12:21:36	0.0	0.0
298	6/25/2020	12:22:36	0.0	0.0
299	6/25/2020	12:23:36	0.0	0.0
300	6/25/2020	12:24:36	0.0	0.0
301	6/25/2020	12:25:36	0.0	0.0
302	6/25/2020	12:26:36	0.0	0.0
303	6/25/2020	12:27:36	0.0	0.0
304	6/25/2020	12:28:36	0.0	0.0
305	6/25/2020	12:29:36	0.0	0.0
306	6/25/2020	12:30:36	0.0	0.0
307	6/25/2020	12:31:36	0.0	0.0
308	6/25/2020	12:32:36	0.0	0.0
309	6/25/2020	12:33:36	0.0	0.0
310	6/25/2020	12:34:36	0.0	0.0
311	6/25/2020	12:35:36	0.0	0.0
312	6/25/2020	12:36:36	0.0	0.0
313	6/25/2020	12:37:36	0.0	0.0
314	6/25/2020	12:38:36	0.0	0.0
315	6/25/2020	12:39:36	0.0	0.0
316	6/25/2020	12:40:36	0.0	0.0
317	6/25/2020	12:41:36	0.0	0.0
318	6/25/2020	12:42:36	0.0	0.0
319	6/25/2020	12:43:36	0.0	0.0
320	6/25/2020	12:44:36	0.0	0.0
321	6/25/2020	12:45:36	0.0	0.0
322	6/25/2020	12:46:36	0.0	0.0
323	6/25/2020	12:47:36	0.0	0.0
324	6/25/2020	12:48:36	0.0	0.0
325	6/25/2020	12:49:36	0.0	0.0
326	6/25/2020	12:50:36	0.0	0.0
327	6/25/2020	12:51:36	0.0	0.0
328	6/25/2020	12:52:36	0.0	0.0
329	6/25/2020	12:53:36	0.0	0.0
330	6/25/2020	12:54:36	0.0	0.0
331	6/25/2020	12:55:36	0.0	0.0
332	6/25/2020	12:56:36	0.0	0.0
333	6/25/2020	12:57:36	0.0	0.0
334	6/25/2020	12:58:36	0.0	0.0
335	6/25/2020	12:59:36	0.0	0.0
336	6/25/2020	13:00:36	0.0	0.0
337	6/25/2020	13:01:36	0.0	0.0

338	6/25/2020	13:02:36	0.0	0.0
339	6/25/2020	13:03:36	0.0	0.0
340	6/25/2020	13:04:36	0.0	0.0
341	6/25/2020	13:05:36	0.0	0.0
342	6/25/2020	13:06:36	0.0	0.0
343	6/25/2020	13:07:36	0.0	0.0
344	6/25/2020	13:08:36	0.0	0.0
345	6/25/2020	13:09:36	0.0	0.0
346	6/25/2020	13:10:36	0.0	0.0
347	6/25/2020	13:11:36	0.0	0.0
348	6/25/2020	13:12:36	0.0	0.0
349	6/25/2020	13:13:36	0.0	0.0
350	6/25/2020	13:14:36	0.0	0.0
351	6/25/2020	13:15:36	0.0	0.0
352	6/25/2020	13:16:36	0.0	0.0
353	6/25/2020	13:17:36	0.0	0.0
354	6/25/2020	13:18:36	0.0	0.0
355	6/25/2020	13:19:36	0.0	0.0
356	6/25/2020	13:20:36	0.0	0.0
357	6/25/2020	13:21:36	0.0	0.0
358	6/25/2020	13:22:36	0.0	0.0
359	6/25/2020	13:23:36	0.0	0.0
360	6/25/2020	13:24:36	0.0	0.0
361	6/25/2020	13:25:36	0.0	0.0
362	6/25/2020	13:26:36	0.0	0.0
363	6/25/2020	13:27:36	0.0	0.0
364	6/25/2020	13:28:36	0.0	0.0
365	6/25/2020	13:29:36	0.0	0.0
366	6/25/2020	13:30:36	0.0	0.0
367	6/25/2020	13:31:36	0.0	0.0
368	6/25/2020	13:32:36	0.0	0.0
369	6/25/2020	13:33:36	0.0	0.0
370	6/25/2020	13:34:36	0.0	0.0
371	6/25/2020	13:35:36	0.0	0.0
372	6/25/2020	13:36:36	0.0	0.0
373	6/25/2020	13:37:36	0.0	0.0
374	6/25/2020	13:38:36	0.0	0.0
375	6/25/2020	13:39:36	0.0	0.0
376	6/25/2020	13:40:36	0.0	0.0
377	6/25/2020	13:41:36	0.0	0.0
378	6/25/2020	13:42:36	0.0	0.0
379	6/25/2020	13:43:36	0.0	0.0
380	6/25/2020	13:44:36	0.0	0.0
381	6/25/2020	13:45:36	0.0	0.0
382	6/25/2020	13:46:36	0.0	0.0
383	6/25/2020	13:47:36	0.0	0.0
384	6/25/2020	13:48:36	0.0	0.0
385	6/25/2020	13:49:36	0.0	0.0
386	6/25/2020	13:50:36	0.0	0.0
387	6/25/2020	13:51:36	0.0	0.0

388	6/25/2020	13:52:36	0.0	0.0
389	6/25/2020	13:53:36	0.0	0.0
390	6/25/2020	13:54:36	0.0	0.0
391	6/25/2020	13:55:36	0.0	0.0
392	6/25/2020	13:56:36	0.0	0.0
393	6/25/2020	13:57:36	0.0	0.0
394	6/25/2020	13:58:36	0.0	0.0
395	6/25/2020	13:59:36	0.0	0.0
396	6/25/2020	14:00:36	0.0	0.0
397	6/25/2020	14:01:36	0.0	0.0
398	6/25/2020	14:02:36	0.0	0.0
399	6/25/2020	14:03:36	0.0	0.0
400	6/25/2020	14:04:36	0.0	0.0
401	6/25/2020	14:05:36	0.0	0.0
402	6/25/2020	14:06:36	0.0	0.0
403	6/25/2020	14:07:36	0.0	0.0
404	6/25/2020	14:08:36	0.0	0.0
405	6/25/2020	14:09:36	0.0	0.0
406	6/25/2020	14:10:36	0.0	0.0
407	6/25/2020	14:11:36	0.0	0.0
408	6/25/2020	14:12:36	0.0	0.0
409	6/25/2020	14:13:36	0.0	0.0
410	6/25/2020	14:14:36	0.0	0.0
411	6/25/2020	14:15:36	0.0	0.0
412	6/25/2020	14:16:36	0.0	0.0
413	6/25/2020	14:17:36	0.0	0.0
414	6/25/2020	14:18:36	0.0	0.0
415	6/25/2020	14:19:36	0.0	0.0
416	6/25/2020	14:20:36	0.0	0.0
417	6/25/2020	14:21:36	0.0	0.0
418	6/25/2020	14:22:36	0.0	0.0
419	6/25/2020	14:23:36	0.0	0.0
420	6/25/2020	14:24:36	0.0	0.0
421	6/25/2020	14:25:36	0.0	0.0
422	6/25/2020	14:26:36	0.0	0.0
423	6/25/2020	14:27:36	0.0	0.0
424	6/25/2020	14:28:36	0.0	0.0
425	6/25/2020	14:29:36	0.0	0.0
426	6/25/2020	14:30:36	0.0	0.0
427	6/25/2020	14:31:36	0.0	0.0
428	6/25/2020	14:32:36	0.0	0.0
429	6/25/2020	14:33:36	0.0	0.0
430	6/25/2020	14:34:36	0.0	0.0
431	6/25/2020	14:35:36	0.0	0.0
432	6/25/2020	14:36:36	0.0	0.0
433	6/25/2020	14:37:36	0.0	0.0
434	6/25/2020	14:38:36	0.0	0.0
435	6/25/2020	14:39:36	0.0	0.0
436	6/25/2020	14:40:36	0.0	0.0
437	6/25/2020	14:41:36	0.0	0.0

438	6/25/2020	14:42:36	0.0	0.0
439	6/25/2020	14:43:36	0.0	0.0
440	6/25/2020	14:44:36	0.0	0.0
441	6/25/2020	14:45:36	0.0	0.0
442	6/25/2020	14:46:36	0.0	0.0
443	6/25/2020	14:47:36	0.0	0.0
444	6/25/2020	14:48:36	0.0	0.0
445	6/25/2020	14:49:36	0.0	0.0
446	6/25/2020	14:50:36	0.0	0.0
447	6/25/2020	14:51:36	0.0	0.0
448	6/25/2020	14:52:36	0.0	0.0
449	6/25/2020	14:53:36	0.0	0.0

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20/06/26 08:03

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#### Summary

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Unit Name           MiniRAE 3000(PGM-7320)  
Unit SN 592-913116  
Unit Firmware Ver       V2.20A  
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Running Mode       Hygiene Mode  
Datalog Mode       Auto  
Diagnostic Mode No  
Stop Reason       Power Down  
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Site ID 12345678  
User ID 12345678  
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Begin   6/26/2020 08:03:01  
End     6/26/2020 13:32:22  
Sample Period(s)       60  
Number of Records       329  
-----

Sensor   PID(ppm)  
Sensor SN       S023030414R7  
Measure Type   Avg; Max; Real  
Span    100.0  
Span 2   1000.0  
Low Alarm       50.0  
High Alarm       100.0  
Over Alarm       15000.0  
STEL Alarm       25.0  
TWA Alarm       10.0  
Measurement Gas Isobutylene  
Calibration Time       6/19/2020 12:05  
Peak    0.0  
Min     0.0  
Average 0.0



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Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	6/26/2020 08:04:01	0.0	0.0	0.0	0.0
002	6/26/2020 08:05:01	0.0	0.0	0.0	0.0
003	6/26/2020 08:06:01	0.0	0.0	0.0	0.0
004	6/26/2020 08:07:01	0.0	0.0	0.0	0.0
005	6/26/2020 08:08:01	0.0	0.0	0.0	0.0
006	6/26/2020 08:09:01	0.0	0.0	0.0	0.0
007	6/26/2020 08:10:01	0.0	0.0	0.0	0.0
008	6/26/2020 08:11:01	0.0	0.0	0.0	0.0
009	6/26/2020 08:12:01	0.0	0.0	0.0	0.0
010	6/26/2020 08:13:01	0.0	0.0	0.0	0.0
011	6/26/2020 08:14:01	0.0	0.0	0.0	0.0
012	6/26/2020 08:15:01	0.0	0.0	0.0	0.0
013	6/26/2020 08:16:01	0.0	0.0	0.0	0.0
014	6/26/2020 08:17:01	0.0	0.0	0.0	0.0
015	6/26/2020 08:18:01	0.0	0.0	0.0	0.0
016	6/26/2020 08:19:01	0.0	0.0	0.0	0.0
017	6/26/2020 08:20:01	0.0	0.0	0.0	0.0
018	6/26/2020 08:21:01	0.0	0.0	0.0	0.0
019	6/26/2020 08:22:01	0.0	0.0	0.0	0.0
020	6/26/2020 08:23:01	0.0	0.0	0.0	0.0
021	6/26/2020 08:24:01	0.0	0.0	0.0	0.0
022	6/26/2020 08:25:01	0.0	0.0	0.0	0.0
023	6/26/2020 08:26:01	0.0	0.0	0.0	0.0
024	6/26/2020 08:27:01	0.0	0.0	0.0	0.0
025	6/26/2020 08:28:01	0.0	0.0	0.0	0.0
026	6/26/2020 08:29:01	0.0	0.0	0.0	0.0
027	6/26/2020 08:30:01	0.0	0.0	0.0	0.0
028	6/26/2020 08:31:01	0.0	0.0	0.0	0.0
029	6/26/2020 08:32:01	0.0	0.0	0.0	0.0
030	6/26/2020 08:33:01	0.0	0.0	0.0	0.0
031	6/26/2020 08:34:01	0.0	0.0	0.0	0.0
032	6/26/2020 08:35:01	0.0	0.0	0.0	0.0
033	6/26/2020 08:36:01	0.0	0.0	0.0	0.0
034	6/26/2020 08:37:01	0.0	0.0	0.0	0.0
035	6/26/2020 08:38:01	0.0	0.0	0.0	0.0
036	6/26/2020 08:39:01	0.0	0.0	0.0	0.0
037	6/26/2020 08:40:01	0.0	0.0	0.0	0.0
038	6/26/2020 08:41:01	0.0	0.0	0.0	0.0
039	6/26/2020 08:42:01	0.0	0.0	0.0	0.0
040	6/26/2020 08:43:01	0.0	0.0	0.0	0.0
041	6/26/2020 08:44:01	0.0	0.0	0.0	0.0
042	6/26/2020 08:45:01	0.0	0.0	0.0	0.0
043	6/26/2020 08:46:01	0.0	0.0	0.0	0.0
044	6/26/2020 08:47:01	0.0	0.0	0.0	0.0
045	6/26/2020 08:48:01	0.0	0.0	0.0	0.0
046	6/26/2020 08:49:01	0.0	0.0	0.0	0.0

047	6/26/2020 08:50:01	0.0	0.0	0.0
048	6/26/2020 08:51:01	0.0	0.0	0.0
049	6/26/2020 08:52:01	0.0	0.0	0.0
050	6/26/2020 08:53:01	0.0	0.0	0.0
051	6/26/2020 08:54:01	0.0	0.0	0.0
052	6/26/2020 08:55:01	0.0	0.0	0.0
053	6/26/2020 08:56:01	0.0	0.0	0.0
054	6/26/2020 08:57:01	0.0	0.0	0.0
055	6/26/2020 08:58:01	0.0	0.0	0.0
056	6/26/2020 08:59:01	0.0	0.0	0.0
057	6/26/2020 09:00:01	0.0	0.0	0.0
058	6/26/2020 09:01:01	0.0	0.0	0.0
059	6/26/2020 09:02:01	0.0	0.0	0.0
060	6/26/2020 09:03:01	0.0	0.0	0.0
061	6/26/2020 09:04:01	0.0	0.0	0.0
062	6/26/2020 09:05:01	0.0	0.0	0.0
063	6/26/2020 09:06:01	0.0	0.0	0.0
064	6/26/2020 09:07:01	0.0	0.0	0.0
065	6/26/2020 09:08:01	0.0	0.0	0.0
066	6/26/2020 09:09:01	0.0	0.0	0.0
067	6/26/2020 09:10:01	0.0	0.0	0.0
068	6/26/2020 09:11:01	0.0	0.0	0.0
069	6/26/2020 09:12:01	0.0	0.0	0.0
070	6/26/2020 09:13:01	0.0	0.0	0.0
071	6/26/2020 09:14:01	0.0	0.0	0.0
072	6/26/2020 09:15:01	0.0	0.0	0.0
073	6/26/2020 09:16:01	0.0	0.0	0.0
074	6/26/2020 09:17:01	0.0	0.0	0.0
075	6/26/2020 09:18:01	0.0	0.0	0.0
076	6/26/2020 09:19:01	0.0	0.0	0.0
077	6/26/2020 09:20:01	0.0	0.0	0.0
078	6/26/2020 09:21:01	0.0	0.0	0.0
079	6/26/2020 09:22:01	0.0	0.0	0.0
080	6/26/2020 09:23:01	0.0	0.0	0.0
081	6/26/2020 09:24:01	0.0	0.0	0.0
082	6/26/2020 09:25:01	0.0	0.0	0.0
083	6/26/2020 09:26:01	0.0	0.0	0.0
084	6/26/2020 09:27:01	0.0	0.0	0.0
085	6/26/2020 09:28:01	0.0	0.0	0.0
086	6/26/2020 09:29:01	0.0	0.0	0.0
087	6/26/2020 09:30:01	0.0	0.0	0.0
088	6/26/2020 09:31:01	0.0	0.0	0.0
089	6/26/2020 09:32:01	0.0	0.0	0.0
090	6/26/2020 09:33:01	0.0	0.0	0.0
091	6/26/2020 09:34:01	0.0	0.0	0.0
092	6/26/2020 09:35:01	0.0	0.0	0.0
093	6/26/2020 09:36:01	0.0	0.0	0.0
094	6/26/2020 09:37:01	0.0	0.0	0.0
095	6/26/2020 09:38:01	0.0	0.0	0.0
096	6/26/2020 09:39:01	0.0	0.0	0.0

097	6/26/2020 09:40:01	0.0	0.0	0.0
098	6/26/2020 09:41:01	0.0	0.0	0.0
099	6/26/2020 09:42:01	0.0	0.0	0.0
100	6/26/2020 09:43:01	0.0	0.0	0.0
101	6/26/2020 09:44:01	0.0	0.0	0.0
102	6/26/2020 09:45:01	0.0	0.0	0.0
103	6/26/2020 09:46:01	0.0	0.0	0.0
104	6/26/2020 09:47:01	0.0	0.0	0.0
105	6/26/2020 09:48:01	0.0	0.0	0.0
106	6/26/2020 09:49:01	0.0	0.0	0.0
107	6/26/2020 09:50:01	0.0	0.0	0.0
108	6/26/2020 09:51:01	0.0	0.0	0.0
109	6/26/2020 09:52:01	0.0	0.0	0.0
110	6/26/2020 09:53:01	0.0	0.0	0.0
111	6/26/2020 09:54:01	0.0	0.0	0.0
112	6/26/2020 09:55:01	0.0	0.0	0.0
113	6/26/2020 09:56:01	0.0	0.0	0.0
114	6/26/2020 09:57:01	0.0	0.0	0.0
115	6/26/2020 09:58:01	0.0	0.0	0.0
116	6/26/2020 09:59:01	0.0	0.0	0.0
117	6/26/2020 10:00:01	0.0	0.0	0.0
118	6/26/2020 10:01:01	0.0	0.0	0.0
119	6/26/2020 10:02:01	0.0	0.0	0.0
120	6/26/2020 10:03:01	0.0	0.0	0.0
121	6/26/2020 10:04:01	0.0	0.0	0.0
122	6/26/2020 10:05:01	0.0	0.0	0.0
123	6/26/2020 10:06:01	0.0	0.0	0.0
124	6/26/2020 10:07:01	0.0	0.0	0.0
125	6/26/2020 10:08:01	0.0	0.0	0.0
126	6/26/2020 10:09:01	0.0	0.0	0.0
127	6/26/2020 10:10:01	0.0	0.0	0.0
128	6/26/2020 10:11:01	0.0	0.0	0.0
129	6/26/2020 10:12:01	0.0	0.0	0.0
130	6/26/2020 10:13:01	0.0	0.0	0.0
131	6/26/2020 10:14:01	0.0	0.0	0.0
132	6/26/2020 10:15:01	0.0	0.0	0.0
133	6/26/2020 10:16:01	0.0	0.0	0.0
134	6/26/2020 10:17:01	0.0	0.0	0.0
135	6/26/2020 10:18:01	0.0	0.0	0.0
136	6/26/2020 10:19:01	0.0	0.0	0.0
137	6/26/2020 10:20:01	0.0	0.0	0.0
138	6/26/2020 10:21:01	0.0	0.0	0.0
139	6/26/2020 10:22:01	0.0	0.0	0.0
140	6/26/2020 10:23:01	0.0	0.0	0.0
141	6/26/2020 10:24:01	0.0	0.0	0.0
142	6/26/2020 10:25:01	0.0	0.0	0.0
143	6/26/2020 10:26:01	0.0	0.0	0.0
144	6/26/2020 10:27:01	0.0	0.0	0.0
145	6/26/2020 10:28:01	0.0	0.0	0.0
146	6/26/2020 10:29:01	0.0	0.0	0.0

147	6/26/2020	10:30:01	0.0	0.0	0.0
148	6/26/2020	10:31:01	0.0	0.0	0.0
149	6/26/2020	10:32:01	0.0	0.0	0.0
150	6/26/2020	10:33:01	0.0	0.0	0.0
151	6/26/2020	10:34:01	0.0	0.0	0.0
152	6/26/2020	10:35:01	0.0	0.0	0.0
153	6/26/2020	10:36:01	0.0	0.0	0.0
154	6/26/2020	10:37:01	0.0	0.0	0.0
155	6/26/2020	10:38:01	0.0	0.0	0.0
156	6/26/2020	10:39:01	0.0	0.0	0.0
157	6/26/2020	10:40:01	0.0	0.0	0.0
158	6/26/2020	10:41:01	0.0	0.0	0.0
159	6/26/2020	10:42:01	0.0	0.0	0.0
160	6/26/2020	10:43:01	0.0	0.0	0.0
161	6/26/2020	10:44:01	0.0	0.0	0.0
162	6/26/2020	10:45:01	0.0	0.0	0.0
163	6/26/2020	10:46:01	0.0	0.0	0.0
164	6/26/2020	10:47:01	0.0	0.0	0.0
165	6/26/2020	10:48:01	0.0	0.0	0.0
166	6/26/2020	10:49:01	0.0	0.0	0.0
167	6/26/2020	10:50:01	0.0	0.0	0.0
168	6/26/2020	10:51:01	0.0	0.0	0.0
169	6/26/2020	10:52:01	0.0	0.0	0.0
170	6/26/2020	10:53:01	0.0	0.0	0.0
171	6/26/2020	10:54:01	0.0	0.0	0.0
172	6/26/2020	10:55:01	0.0	0.0	0.0
173	6/26/2020	10:56:01	0.0	0.0	0.0
174	6/26/2020	10:57:01	0.0	0.0	0.0
175	6/26/2020	10:58:01	0.0	0.0	0.0
176	6/26/2020	10:59:01	0.0	0.0	0.0
177	6/26/2020	11:00:01	0.0	0.0	0.0
178	6/26/2020	11:01:01	0.0	0.0	0.0
179	6/26/2020	11:02:01	0.0	0.0	0.0
180	6/26/2020	11:03:01	0.0	0.0	0.0
181	6/26/2020	11:04:01	0.0	0.0	0.0
182	6/26/2020	11:05:01	0.0	0.0	0.0
183	6/26/2020	11:06:01	0.0	0.0	0.0
184	6/26/2020	11:07:01	0.0	0.0	0.0
185	6/26/2020	11:08:01	0.0	0.0	0.0
186	6/26/2020	11:09:01	0.0	0.0	0.0
187	6/26/2020	11:10:01	0.0	0.0	0.0
188	6/26/2020	11:11:01	0.0	0.0	0.0
189	6/26/2020	11:12:01	0.0	0.0	0.0
190	6/26/2020	11:13:01	0.0	0.0	0.0
191	6/26/2020	11:14:01	0.0	0.0	0.0
192	6/26/2020	11:15:01	0.0	0.0	0.0
193	6/26/2020	11:16:01	0.0	0.0	0.0
194	6/26/2020	11:17:01	0.0	0.0	0.0
195	6/26/2020	11:18:01	0.0	0.0	0.0
196	6/26/2020	11:19:01	0.0	0.0	0.0



197	6/26/2020	11:20:01	0.0	0.0	0.0
198	6/26/2020	11:21:01	0.0	0.0	0.0
199	6/26/2020	11:22:01	0.0	0.0	0.0
200	6/26/2020	11:23:01	0.0	0.0	0.0
201	6/26/2020	11:24:01	0.0	0.0	0.0
202	6/26/2020	11:25:01	0.0	0.0	0.0
203	6/26/2020	11:26:01	0.0	0.0	0.0
204	6/26/2020	11:27:01	0.0	0.0	0.0
205	6/26/2020	11:28:01	0.0	0.0	0.0
206	6/26/2020	11:29:01	0.0	0.0	0.0
207	6/26/2020	11:30:01	0.0	0.0	0.0
208	6/26/2020	11:31:01	0.0	0.0	0.0
209	6/26/2020	11:32:01	0.0	0.0	0.0
210	6/26/2020	11:33:01	0.0	0.0	0.0
211	6/26/2020	11:34:01	0.0	0.0	0.0
212	6/26/2020	11:35:01	0.0	0.1	0.0
213	6/26/2020	11:36:01	0.0	0.0	0.0
214	6/26/2020	11:37:01	0.0	0.0	0.0
215	6/26/2020	11:38:01	0.0	0.0	0.0
216	6/26/2020	11:39:01	0.0	0.0	0.0
217	6/26/2020	11:40:01	0.0	0.0	0.0
218	6/26/2020	11:41:01	0.0	0.0	0.0
219	6/26/2020	11:42:01	0.0	0.0	0.0
220	6/26/2020	11:43:01	0.0	0.0	0.0
221	6/26/2020	11:44:01	0.0	0.0	0.0
222	6/26/2020	11:45:01	0.0	0.0	0.0
223	6/26/2020	11:46:01	0.0	0.0	0.0
224	6/26/2020	11:47:01	0.0	0.0	0.0
225	6/26/2020	11:48:01	0.0	0.0	0.0
226	6/26/2020	11:49:01	0.0	0.0	0.0
227	6/26/2020	11:50:01	0.0	0.0	0.0
228	6/26/2020	11:51:01	0.0	0.0	0.0
229	6/26/2020	11:52:01	0.0	0.0	0.0
230	6/26/2020	11:53:01	0.0	0.0	0.0
231	6/26/2020	11:54:01	0.0	0.0	0.0
232	6/26/2020	11:55:01	0.0	0.0	0.0
233	6/26/2020	11:56:01	0.0	0.1	0.0
234	6/26/2020	11:57:01	0.0	0.0	0.0
235	6/26/2020	11:58:01	0.0	0.0	0.0
236	6/26/2020	11:59:01	0.0	0.0	0.0
237	6/26/2020	12:00:01	0.0	0.0	0.0
238	6/26/2020	12:01:01	0.0	0.0	0.0
239	6/26/2020	12:02:01	0.0	0.0	0.0
240	6/26/2020	12:03:01	0.0	0.0	0.0
241	6/26/2020	12:04:01	0.0	0.0	0.0
242	6/26/2020	12:05:01	0.0	0.0	0.0
243	6/26/2020	12:06:01	0.0	0.0	0.0
244	6/26/2020	12:07:01	0.0	0.0	0.0
245	6/26/2020	12:08:01	0.0	0.0	0.0
246	6/26/2020	12:09:01	0.0	0.0	0.0

247	6/26/2020	12:10:01	0.0	0.0	0.0
248	6/26/2020	12:11:01	0.0	0.0	0.0
249	6/26/2020	12:12:01	0.0	0.0	0.0
250	6/26/2020	12:13:01	0.0	0.0	0.0
251	6/26/2020	12:14:01	0.0	0.0	0.0
252	6/26/2020	12:15:01	0.0	0.0	0.0
253	6/26/2020	12:16:01	0.0	0.0	0.0
254	6/26/2020	12:17:01	0.0	0.0	0.0
255	6/26/2020	12:18:01	0.0	0.0	0.0
256	6/26/2020	12:19:01	0.0	0.0	0.0
257	6/26/2020	12:20:01	0.0	0.0	0.0
258	6/26/2020	12:21:01	0.0	0.0	0.0
259	6/26/2020	12:22:01	0.0	0.0	0.0
260	6/26/2020	12:23:01	0.0	0.0	0.0
261	6/26/2020	12:24:01	0.0	0.0	0.0
262	6/26/2020	12:25:01	0.0	0.0	0.0
263	6/26/2020	12:26:01	0.0	0.0	0.0
264	6/26/2020	12:27:01	0.0	0.0	0.0
265	6/26/2020	12:28:01	0.0	0.0	0.0
266	6/26/2020	12:29:01	0.0	0.0	0.0
267	6/26/2020	12:30:01	0.0	0.0	0.0
268	6/26/2020	12:31:01	0.0	0.0	0.0
269	6/26/2020	12:32:01	0.0	0.0	0.0
270	6/26/2020	12:33:01	0.0	0.0	0.0
271	6/26/2020	12:34:01	0.0	0.0	0.0
272	6/26/2020	12:35:01	0.0	0.0	0.0
273	6/26/2020	12:36:01	0.0	0.0	0.0
274	6/26/2020	12:37:01	0.0	0.0	0.0
275	6/26/2020	12:38:01	0.0	0.0	0.0
276	6/26/2020	12:39:01	0.0	0.0	0.0
277	6/26/2020	12:40:01	0.0	0.0	0.0
278	6/26/2020	12:41:01	0.0	0.0	0.0
279	6/26/2020	12:42:01	0.0	0.0	0.0
280	6/26/2020	12:43:01	0.0	0.0	0.0
281	6/26/2020	12:44:01	0.0	0.0	0.0
282	6/26/2020	12:45:01	0.0	0.0	0.0
283	6/26/2020	12:46:01	0.0	0.0	0.0
284	6/26/2020	12:47:01	0.0	0.0	0.0
285	6/26/2020	12:48:01	0.0	0.0	0.0
286	6/26/2020	12:49:01	0.0	0.0	0.0
287	6/26/2020	12:50:01	0.0	0.0	0.0
288	6/26/2020	12:51:01	0.0	0.0	0.0
289	6/26/2020	12:52:01	0.0	0.0	0.0
290	6/26/2020	12:53:01	0.0	0.0	0.0
291	6/26/2020	12:54:01	0.0	0.0	0.0
292	6/26/2020	12:55:01	0.0	0.0	0.0
293	6/26/2020	12:56:01	0.0	0.0	0.0
294	6/26/2020	12:57:01	0.0	0.0	0.0
295	6/26/2020	12:58:01	0.0	0.0	0.0
296	6/26/2020	12:59:01	0.0	0.0	0.0

297	6/26/2020	13:00:01	0.0	0.0	0.0
298	6/26/2020	13:01:01	0.0	0.0	0.0
299	6/26/2020	13:02:01	0.0	0.0	0.0
300	6/26/2020	13:03:01	0.0	0.0	0.0
301	6/26/2020	13:04:01	0.0	0.0	0.0
302	6/26/2020	13:05:01	0.0	0.0	0.0
303	6/26/2020	13:06:01	0.0	0.0	0.0
304	6/26/2020	13:07:01	0.0	0.0	0.0
305	6/26/2020	13:08:01	0.0	0.0	0.0
306	6/26/2020	13:09:01	0.0	0.0	0.0
307	6/26/2020	13:10:01	0.0	0.0	0.0
308	6/26/2020	13:11:01	0.0	0.0	0.0
309	6/26/2020	13:12:01	0.0	0.0	0.0
310	6/26/2020	13:13:01	0.0	0.0	0.0
311	6/26/2020	13:14:01	0.0	0.0	0.0
312	6/26/2020	13:15:01	0.0	0.0	0.0
313	6/26/2020	13:16:01	0.0	0.0	0.0
314	6/26/2020	13:17:01	0.0	0.0	0.0
315	6/26/2020	13:18:01	0.0	0.0	0.0
316	6/26/2020	13:19:01	0.0	0.0	0.0
317	6/26/2020	13:20:01	0.0	0.0	0.0
318	6/26/2020	13:21:01	0.0	0.0	0.0
319	6/26/2020	13:22:01	0.0	0.0	0.0
320	6/26/2020	13:23:01	0.0	0.0	0.0
321	6/26/2020	13:24:01	0.0	0.0	0.0
322	6/26/2020	13:25:01	0.0	0.0	0.0
323	6/26/2020	13:26:01	0.0	0.0	0.0
324	6/26/2020	13:27:01	0.0	0.0	0.0
325	6/26/2020	13:28:01	0.0	0.0	0.0
326	6/26/2020	13:29:01	0.0	0.0	0.0
327	6/26/2020	13:30:01	0.0	0.0	0.0
328	6/26/2020	13:31:01	0.0	0.0	0.0
329	6/26/2020	13:32:01	0.0	0.0	0.0
Peak		0.0 0.1	0.0		
Min		0.0 0.0	0.0		
Average		0.0 0.0	0.0		

\*\*\*\*\*

# TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)	
001	6/26/2020 08:04:01	0.0	---	
002	6/26/2020 08:05:01	0.0	---	
003	6/26/2020 08:06:01	0.0	---	
004	6/26/2020 08:07:01	0.0	---	
005	6/26/2020 08:08:01	0.0	---	
006	6/26/2020 08:09:01	0.0	---	
007	6/26/2020 08:10:01	0.0	---	
008	6/26/2020 08:11:01	0.0	---	
009	6/26/2020 08:12:01	0.0	---	

010	6/26/2020 08:13:01	0.0	---
011	6/26/2020 08:14:01	0.0	---
012	6/26/2020 08:15:01	0.0	---
013	6/26/2020 08:16:01	0.0	---
014	6/26/2020 08:17:01	0.0	---
015	6/26/2020 08:18:01	0.0	0.0
016	6/26/2020 08:19:01	0.0	0.0
017	6/26/2020 08:20:01	0.0	0.0
018	6/26/2020 08:21:01	0.0	0.0
019	6/26/2020 08:22:01	0.0	0.0
020	6/26/2020 08:23:01	0.0	0.0
021	6/26/2020 08:24:01	0.0	0.0
022	6/26/2020 08:25:01	0.0	0.0
023	6/26/2020 08:26:01	0.0	0.0
024	6/26/2020 08:27:01	0.0	0.0
025	6/26/2020 08:28:01	0.0	0.0
026	6/26/2020 08:29:01	0.0	0.0
027	6/26/2020 08:30:01	0.0	0.0
028	6/26/2020 08:31:01	0.0	0.0
029	6/26/2020 08:32:01	0.0	0.0
030	6/26/2020 08:33:01	0.0	0.0
031	6/26/2020 08:34:01	0.0	0.0
032	6/26/2020 08:35:01	0.0	0.0
033	6/26/2020 08:36:01	0.0	0.0
034	6/26/2020 08:37:01	0.0	0.0
035	6/26/2020 08:38:01	0.0	0.0
036	6/26/2020 08:39:01	0.0	0.0
037	6/26/2020 08:40:01	0.0	0.0
038	6/26/2020 08:41:01	0.0	0.0
039	6/26/2020 08:42:01	0.0	0.0
040	6/26/2020 08:43:01	0.0	0.0
041	6/26/2020 08:44:01	0.0	0.0
042	6/26/2020 08:45:01	0.0	0.0
043	6/26/2020 08:46:01	0.0	0.0
044	6/26/2020 08:47:01	0.0	0.0
045	6/26/2020 08:48:01	0.0	0.0
046	6/26/2020 08:49:01	0.0	0.0
047	6/26/2020 08:50:01	0.0	0.0
048	6/26/2020 08:51:01	0.0	0.0
049	6/26/2020 08:52:01	0.0	0.0
050	6/26/2020 08:53:01	0.0	0.0
051	6/26/2020 08:54:01	0.0	0.0
052	6/26/2020 08:55:01	0.0	0.0
053	6/26/2020 08:56:01	0.0	0.0
054	6/26/2020 08:57:01	0.0	0.0
055	6/26/2020 08:58:01	0.0	0.0
056	6/26/2020 08:59:01	0.0	0.0
057	6/26/2020 09:00:01	0.0	0.0
058	6/26/2020 09:01:01	0.0	0.0
059	6/26/2020 09:02:01	0.0	0.0



060	6/26/2020 09:03:01	0.0	0.0
061	6/26/2020 09:04:01	0.0	0.0
062	6/26/2020 09:05:01	0.0	0.0
063	6/26/2020 09:06:01	0.0	0.0
064	6/26/2020 09:07:01	0.0	0.0
065	6/26/2020 09:08:01	0.0	0.0
066	6/26/2020 09:09:01	0.0	0.0
067	6/26/2020 09:10:01	0.0	0.0
068	6/26/2020 09:11:01	0.0	0.0
069	6/26/2020 09:12:01	0.0	0.0
070	6/26/2020 09:13:01	0.0	0.0
071	6/26/2020 09:14:01	0.0	0.0
072	6/26/2020 09:15:01	0.0	0.0
073	6/26/2020 09:16:01	0.0	0.0
074	6/26/2020 09:17:01	0.0	0.0
075	6/26/2020 09:18:01	0.0	0.0
076	6/26/2020 09:19:01	0.0	0.0
077	6/26/2020 09:20:01	0.0	0.0
078	6/26/2020 09:21:01	0.0	0.0
079	6/26/2020 09:22:01	0.0	0.0
080	6/26/2020 09:23:01	0.0	0.0
081	6/26/2020 09:24:01	0.0	0.0
082	6/26/2020 09:25:01	0.0	0.0
083	6/26/2020 09:26:01	0.0	0.0
084	6/26/2020 09:27:01	0.0	0.0
085	6/26/2020 09:28:01	0.0	0.0
086	6/26/2020 09:29:01	0.0	0.0
087	6/26/2020 09:30:01	0.0	0.0
088	6/26/2020 09:31:01	0.0	0.0
089	6/26/2020 09:32:01	0.0	0.0
090	6/26/2020 09:33:01	0.0	0.0
091	6/26/2020 09:34:01	0.0	0.0
092	6/26/2020 09:35:01	0.0	0.0
093	6/26/2020 09:36:01	0.0	0.0
094	6/26/2020 09:37:01	0.0	0.0
095	6/26/2020 09:38:01	0.0	0.0
096	6/26/2020 09:39:01	0.0	0.0
097	6/26/2020 09:40:01	0.0	0.0
098	6/26/2020 09:41:01	0.0	0.0
099	6/26/2020 09:42:01	0.0	0.0
100	6/26/2020 09:43:01	0.0	0.0
101	6/26/2020 09:44:01	0.0	0.0
102	6/26/2020 09:45:01	0.0	0.0
103	6/26/2020 09:46:01	0.0	0.0
104	6/26/2020 09:47:01	0.0	0.0
105	6/26/2020 09:48:01	0.0	0.0
106	6/26/2020 09:49:01	0.0	0.0
107	6/26/2020 09:50:01	0.0	0.0
108	6/26/2020 09:51:01	0.0	0.0
109	6/26/2020 09:52:01	0.0	0.0

110	6/26/2020 09:53:01	0.0	0.0
111	6/26/2020 09:54:01	0.0	0.0
112	6/26/2020 09:55:01	0.0	0.0
113	6/26/2020 09:56:01	0.0	0.0
114	6/26/2020 09:57:01	0.0	0.0
115	6/26/2020 09:58:01	0.0	0.0
116	6/26/2020 09:59:01	0.0	0.0
117	6/26/2020 10:00:01	0.0	0.0
118	6/26/2020 10:01:01	0.0	0.0
119	6/26/2020 10:02:01	0.0	0.0
120	6/26/2020 10:03:01	0.0	0.0
121	6/26/2020 10:04:01	0.0	0.0
122	6/26/2020 10:05:01	0.0	0.0
123	6/26/2020 10:06:01	0.0	0.0
124	6/26/2020 10:07:01	0.0	0.0
125	6/26/2020 10:08:01	0.0	0.0
126	6/26/2020 10:09:01	0.0	0.0
127	6/26/2020 10:10:01	0.0	0.0
128	6/26/2020 10:11:01	0.0	0.0
129	6/26/2020 10:12:01	0.0	0.0
130	6/26/2020 10:13:01	0.0	0.0
131	6/26/2020 10:14:01	0.0	0.0
132	6/26/2020 10:15:01	0.0	0.0
133	6/26/2020 10:16:01	0.0	0.0
134	6/26/2020 10:17:01	0.0	0.0
135	6/26/2020 10:18:01	0.0	0.0
136	6/26/2020 10:19:01	0.0	0.0
137	6/26/2020 10:20:01	0.0	0.0
138	6/26/2020 10:21:01	0.0	0.0
139	6/26/2020 10:22:01	0.0	0.0
140	6/26/2020 10:23:01	0.0	0.0
141	6/26/2020 10:24:01	0.0	0.0
142	6/26/2020 10:25:01	0.0	0.0
143	6/26/2020 10:26:01	0.0	0.0
144	6/26/2020 10:27:01	0.0	0.0
145	6/26/2020 10:28:01	0.0	0.0
146	6/26/2020 10:29:01	0.0	0.0
147	6/26/2020 10:30:01	0.0	0.0
148	6/26/2020 10:31:01	0.0	0.0
149	6/26/2020 10:32:01	0.0	0.0
150	6/26/2020 10:33:01	0.0	0.0
151	6/26/2020 10:34:01	0.0	0.0
152	6/26/2020 10:35:01	0.0	0.0
153	6/26/2020 10:36:01	0.0	0.0
154	6/26/2020 10:37:01	0.0	0.0
155	6/26/2020 10:38:01	0.0	0.0
156	6/26/2020 10:39:01	0.0	0.0
157	6/26/2020 10:40:01	0.0	0.0
158	6/26/2020 10:41:01	0.0	0.0
159	6/26/2020 10:42:01	0.0	0.0

160	6/26/2020	10:43:01	0.0	0.0
161	6/26/2020	10:44:01	0.0	0.0
162	6/26/2020	10:45:01	0.0	0.0
163	6/26/2020	10:46:01	0.0	0.0
164	6/26/2020	10:47:01	0.0	0.0
165	6/26/2020	10:48:01	0.0	0.0
166	6/26/2020	10:49:01	0.0	0.0
167	6/26/2020	10:50:01	0.0	0.0
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169	6/26/2020	10:52:01	0.0	0.0
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171	6/26/2020	10:54:01	0.0	0.0
172	6/26/2020	10:55:01	0.0	0.0
173	6/26/2020	10:56:01	0.0	0.0
174	6/26/2020	10:57:01	0.0	0.0
175	6/26/2020	10:58:01	0.0	0.0
176	6/26/2020	10:59:01	0.0	0.0
177	6/26/2020	11:00:01	0.0	0.0
178	6/26/2020	11:01:01	0.0	0.0
179	6/26/2020	11:02:01	0.0	0.0
180	6/26/2020	11:03:01	0.0	0.0
181	6/26/2020	11:04:01	0.0	0.0
182	6/26/2020	11:05:01	0.0	0.0
183	6/26/2020	11:06:01	0.0	0.0
184	6/26/2020	11:07:01	0.0	0.0
185	6/26/2020	11:08:01	0.0	0.0
186	6/26/2020	11:09:01	0.0	0.0
187	6/26/2020	11:10:01	0.0	0.0
188	6/26/2020	11:11:01	0.0	0.0
189	6/26/2020	11:12:01	0.0	0.0
190	6/26/2020	11:13:01	0.0	0.0
191	6/26/2020	11:14:01	0.0	0.0
192	6/26/2020	11:15:01	0.0	0.0
193	6/26/2020	11:16:01	0.0	0.0
194	6/26/2020	11:17:01	0.0	0.0
195	6/26/2020	11:18:01	0.0	0.0
196	6/26/2020	11:19:01	0.0	0.0
197	6/26/2020	11:20:01	0.0	0.0
198	6/26/2020	11:21:01	0.0	0.0
199	6/26/2020	11:22:01	0.0	0.0
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203	6/26/2020	11:26:01	0.0	0.0
204	6/26/2020	11:27:01	0.0	0.0
205	6/26/2020	11:28:01	0.0	0.0
206	6/26/2020	11:29:01	0.0	0.0
207	6/26/2020	11:30:01	0.0	0.0
208	6/26/2020	11:31:01	0.0	0.0
209	6/26/2020	11:32:01	0.0	0.0

210	6/26/2020	11:33:01	0.0	0.0
211	6/26/2020	11:34:01	0.0	0.0
212	6/26/2020	11:35:01	0.0	0.0
213	6/26/2020	11:36:01	0.0	0.0
214	6/26/2020	11:37:01	0.0	0.0
215	6/26/2020	11:38:01	0.0	0.0
216	6/26/2020	11:39:01	0.0	0.0
217	6/26/2020	11:40:01	0.0	0.0
218	6/26/2020	11:41:01	0.0	0.0
219	6/26/2020	11:42:01	0.0	0.0
220	6/26/2020	11:43:01	0.0	0.0
221	6/26/2020	11:44:01	0.0	0.0
222	6/26/2020	11:45:01	0.0	0.0
223	6/26/2020	11:46:01	0.0	0.0
224	6/26/2020	11:47:01	0.0	0.0
225	6/26/2020	11:48:01	0.0	0.0
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229	6/26/2020	11:52:01	0.0	0.0
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233	6/26/2020	11:56:01	0.0	0.0
234	6/26/2020	11:57:01	0.0	0.0
235	6/26/2020	11:58:01	0.0	0.0
236	6/26/2020	11:59:01	0.0	0.0
237	6/26/2020	12:00:01	0.0	0.0
238	6/26/2020	12:01:01	0.0	0.0
239	6/26/2020	12:02:01	0.0	0.0
240	6/26/2020	12:03:01	0.0	0.0
241	6/26/2020	12:04:01	0.0	0.0
242	6/26/2020	12:05:01	0.0	0.0
243	6/26/2020	12:06:01	0.0	0.0
244	6/26/2020	12:07:01	0.0	0.0
245	6/26/2020	12:08:01	0.0	0.0
246	6/26/2020	12:09:01	0.0	0.0
247	6/26/2020	12:10:01	0.0	0.0
248	6/26/2020	12:11:01	0.0	0.0
249	6/26/2020	12:12:01	0.0	0.0
250	6/26/2020	12:13:01	0.0	0.0
251	6/26/2020	12:14:01	0.0	0.0
252	6/26/2020	12:15:01	0.0	0.0
253	6/26/2020	12:16:01	0.0	0.0
254	6/26/2020	12:17:01	0.0	0.0
255	6/26/2020	12:18:01	0.0	0.0
256	6/26/2020	12:19:01	0.0	0.0
257	6/26/2020	12:20:01	0.0	0.0
258	6/26/2020	12:21:01	0.0	0.0
259	6/26/2020	12:22:01	0.0	0.0



260	6/26/2020	12:23:01	0.0	0.0
261	6/26/2020	12:24:01	0.0	0.0
262	6/26/2020	12:25:01	0.0	0.0
263	6/26/2020	12:26:01	0.0	0.0
264	6/26/2020	12:27:01	0.0	0.0
265	6/26/2020	12:28:01	0.0	0.0
266	6/26/2020	12:29:01	0.0	0.0
267	6/26/2020	12:30:01	0.0	0.0
268	6/26/2020	12:31:01	0.0	0.0
269	6/26/2020	12:32:01	0.0	0.0
270	6/26/2020	12:33:01	0.0	0.0
271	6/26/2020	12:34:01	0.0	0.0
272	6/26/2020	12:35:01	0.0	0.0
273	6/26/2020	12:36:01	0.0	0.0
274	6/26/2020	12:37:01	0.0	0.0
275	6/26/2020	12:38:01	0.0	0.0
276	6/26/2020	12:39:01	0.0	0.0
277	6/26/2020	12:40:01	0.0	0.0
278	6/26/2020	12:41:01	0.0	0.0
279	6/26/2020	12:42:01	0.0	0.0
280	6/26/2020	12:43:01	0.0	0.0
281	6/26/2020	12:44:01	0.0	0.0
282	6/26/2020	12:45:01	0.0	0.0
283	6/26/2020	12:46:01	0.0	0.0
284	6/26/2020	12:47:01	0.0	0.0
285	6/26/2020	12:48:01	0.0	0.0
286	6/26/2020	12:49:01	0.0	0.0
287	6/26/2020	12:50:01	0.0	0.0
288	6/26/2020	12:51:01	0.0	0.0
289	6/26/2020	12:52:01	0.0	0.0
290	6/26/2020	12:53:01	0.0	0.0
291	6/26/2020	12:54:01	0.0	0.0
292	6/26/2020	12:55:01	0.0	0.0
293	6/26/2020	12:56:01	0.0	0.0
294	6/26/2020	12:57:01	0.0	0.0
295	6/26/2020	12:58:01	0.0	0.0
296	6/26/2020	12:59:01	0.0	0.0
297	6/26/2020	13:00:01	0.0	0.0
298	6/26/2020	13:01:01	0.0	0.0
299	6/26/2020	13:02:01	0.0	0.0
300	6/26/2020	13:03:01	0.0	0.0
301	6/26/2020	13:04:01	0.0	0.0
302	6/26/2020	13:05:01	0.0	0.0
303	6/26/2020	13:06:01	0.0	0.0
304	6/26/2020	13:07:01	0.0	0.0
305	6/26/2020	13:08:01	0.0	0.0
306	6/26/2020	13:09:01	0.0	0.0
307	6/26/2020	13:10:01	0.0	0.0
308	6/26/2020	13:11:01	0.0	0.0
309	6/26/2020	13:12:01	0.0	0.0

310	6/26/2020	13:13:01	0.0	0.0
311	6/26/2020	13:14:01	0.0	0.0
312	6/26/2020	13:15:01	0.0	0.0
313	6/26/2020	13:16:01	0.0	0.0
314	6/26/2020	13:17:01	0.0	0.0
315	6/26/2020	13:18:01	0.0	0.0
316	6/26/2020	13:19:01	0.0	0.0
317	6/26/2020	13:20:01	0.0	0.0
318	6/26/2020	13:21:01	0.0	0.0
319	6/26/2020	13:22:01	0.0	0.0
320	6/26/2020	13:23:01	0.0	0.0
321	6/26/2020	13:24:01	0.0	0.0
322	6/26/2020	13:25:01	0.0	0.0
323	6/26/2020	13:26:01	0.0	0.0
324	6/26/2020	13:27:01	0.0	0.0
325	6/26/2020	13:28:01	0.0	0.0
326	6/26/2020	13:29:01	0.0	0.0
327	6/26/2020	13:30:01	0.0	0.0
328	6/26/2020	13:31:01	0.0	0.0
329	6/26/2020	13:32:01	0.0	0.0

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20/06/30 10:29

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#### Summary

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Unit Name           MiniRAE 3000(PGM-7320)  
Unit SN 592-913116  
Unit Firmware Ver       V2.20A

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Running Mode       Hygiene Mode  
Datalog Mode       Auto  
Diagnostic Mode No  
Stop Reason       Power Down

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Site ID 12345678  
User ID 12345678

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Begin   6/30/2020 10:29:43  
End      6/30/2020 10:31:10  
Sample Period(s)       60  
Number of Records       1

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Sensor   PID(ppm)  
Sensor SN       S023030414R7  
Measure Type    Avg; Max; Real  
Span     100.0  
Span 2   1000.0  
Low Alarm       50.0  
High Alarm      100.0  
Over Alarm      15000.0

STEL Alarm 25.0  
TWA Alarm 10.0  
Measurement Gas Isobutylene  
Calibration Time 6/19/2020 12:05  
Peak 0.3  
Min 0.3  
Average 0.3

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#### Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	6/30/2020 10:30:43	0.2	0.3	0.3	0.3
Peak		0.2	0.3	0.3	
Min		0.2	0.3	0.3	
Average		0.2	0.3	0.3	

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#### TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	6/30/2020 10:30:43	0.0	---

TrakPro Version 4.70 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530153805  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,06/24/2020  
Start Time:,08:22:41  
Duration (dd:hh:mm:ss):,0:08:59:00  
Log Interval (mm:ss):,01:00  
Number of points:,539  
Notes:,

Statistics,Channel:,AEROSOL  
,Units:,mg/m<sup>3</sup>  
,Average:,0.010  
,Minimum:,0.002  
,Time of Minimum:,13:11:41  
,Date of Minimum:,06/24/2020  
,Maximum:,0.092  
,Time of Maximum:,15:45:41  
,Date of Maximum:,06/24/2020

Calibration,Sensor:,AEROSOL  
,Cal. date,06/04/2020

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
06/24/2020,08:23:41,0.037  
06/24/2020,08:24:41,0.011  
06/24/2020,08:25:41,0.011  
06/24/2020,08:26:41,0.011  
06/24/2020,08:27:41,0.008  
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06/24/2020,08:29:41,0.008  
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06/24/2020,08:32:41,0.008  
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06/24/2020,08:36:41,0.011  
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06/24/2020,08:43:41,0.011



06/24/2020,08:44:41,0.010  
06/24/2020,08:45:41,0.009  
06/24/2020,08:46:41,0.009  
06/24/2020,08:47:41,0.009  
06/24/2020,08:48:41,0.008  
06/24/2020,08:49:41,0.012  
06/24/2020,08:50:41,0.011  
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06/24/2020,09:46:41,0.008  
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Model Number:,8530  
Serial Number:,8530153805  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,06/25/2020  
Start Time:,07:22:17  
Duration (dd:hh:mm:ss):,0:07:28:00  
Log Interval (mm:ss):,01:00  
Number of points:,448  
Notes:,

Statistics,Channel:,AEROSOL  
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,Date of Minimum:,06/25/2020  
,Maximum:,0.086  
,Time of Maximum:,07:42:17  
,Date of Maximum:,06/25/2020

Calibration,Sensor:,AEROSOL  
,Cal. date,06/04/2020

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
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Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530153805  
Test ID:,003  
Test Abbreviation:,MANUAL\_003

Start Date:,06/26/2020  
Start Time:,07:59:59  
Duration (dd:hh:mm:ss):,0:05:29:00  
Log Interval (mm:ss):,01:00  
Number of points:,329  
Notes:,

Statistics,Channel:,AEROSOL  
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,Average:,0.056  
,Minimum:,0.006  
,Time of Minimum:,13:09:59  
,Date of Minimum:,06/26/2020  
,Maximum:,0.880  
,Time of Maximum:,12:40:59  
,Date of Maximum:,06/26/2020

Calibration,Sensor:,AEROSOL  
,Cal. date,06/04/2020

Date,Time,AEROSOL  
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TrakPro Version 4.70 ASCII Data File

Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530183301  
Test ID:,001  
Test Abbreviation:,MANUAL\_001  
Start Date:,06/24/2020  
Start Time:,08:28:13  
Duration (dd:hh:mm:ss):,0:09:01:00  
Log Interval (mm:ss):,01:00  
Number of points:,541  
Notes:,

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Calibration,Sensor:,AEROSOL  
,Cal. date,05/20/2020

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Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530183301  
Test ID:,002  
Test Abbreviation:,MANUAL\_002  
Start Date:,06/25/2020  
Start Time:,07:29:47  
Duration (dd:hh:mm:ss):,0:07:22:00  
Log Interval (mm:ss):,01:00  
Number of points:,442  
Notes:,

Statistics,Channel:,AEROSOL  
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,Average:,0.038  
,Minimum:,0.009  
,Time of Minimum:,07:30:47  
,Date of Minimum:,06/25/2020  
,Maximum:,0.727  
,Time of Maximum:,09:01:47  
,Date of Maximum:,06/25/2020

Calibration,Sensor:,AEROSOL  
,Cal. date,05/20/2020

Date,Time,AEROSOL  
MM/dd/yyyy, hh:mm:ss,mg/m<sup>3</sup>  
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Model:,DustTrak II  
Model Number:,8530  
Serial Number:,8530183301  
Test ID:,003  
Test Abbreviation:,MANUAL\_003  
Start Date:,06/26/2020  
Start Time:,08:04:47  
Duration (dd:hh:mm:ss):,0:05:26:00  
Log Interval (mm:ss):,01:00



Number of points:,326

Notes:,

Statistics,Channel:,AEROSOL

,Units:,mg/m<sup>3</sup>

,Average:,0.019

,Minimum:,0.011

,Time of Minimum:,11:43:47

,Date of Minimum:,06/26/2020

,Maximum:,0.429

,Time of Maximum:,13:10:47

,Date of Maximum:,06/26/2020

Calibration,Sensor:,AEROSOL

,Cal. date,05/20/2020

Date,Time,AEROSOL

MM/dd/yyyy,hh:mm:ss,mg/m<sup>3</sup>

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## **APPENDIX G**

### **DISPOSAL DOCUMENTATION**

U604754

①

33

Crosby Hill auto recycle Facility # 7061461

180 Flood drive

Fulton NY 13069

(315) 592-4251

Vehicle ID:

Gross Weight:

Tare Weight:

Net Weight:

20 Aug 2015

7360 lb

6580 lb

780 lb

10:26 am



# NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>WA</b>		Manifest Document No. <b>140-199</b>		2. Page 1 of 1	
3. Generator's Name and Mailing Address <b>Mr. Buddy Broadwell 70 East 1 st. Oswego, N.Y. 13126</b>				Same			
4. Generator's Phone ( <b>315</b> ) <b>4364</b>		6. US EPA ID Number <b>NYR 000110280</b>		A. State Transporter's ID <b>40907 MC</b>			
5. Transporter 1 Company Name <b>Paragon Environmental Construction, Inc.</b>		8. US EPA ID Number		B. Transporter 1 Phone <b>(315) 699-0840</b>			
7. Transporter 2 Company Name		10. US EPA ID Number <b>NYR000005208</b>		C. State Transporter's ID			
9. Designated Facility Name and Site Address <b>Industrial Oil Tank Svc., Inc. 120 Dry Road Oriskany, NY 13424</b>				D. Transporter 2 Phone			
				E. State Facility's ID			
				F. Facility's Phone <b>(315) 738-6000</b>			
11. WASTE DESCRIPTION				Containers		13. Total Quantity	
				No. Type		14. Unit Wt./Vol.	
a. <b>UN 1202 Heating Oil - Light - 3 PG III</b>						<b>R</b>	
b. <b>Non Regulated Material</b>				<b>1 DM</b>		<b>200 P</b>	
c.							
d.							
G. Additional Descriptions for Materials Listed Above <b>A.) Heating Oil / Water Mixture B.) Petroleum Impacted Sediments</b>				H. Handling Codes for Wastes Listed Above <b>A.) R B.) L</b>			
15. Special Handling Instructions and Additional Information <b>Paragon Environmental Construction, Inc. @ 315-699-0840</b>							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name <b>SCOTT A. BROADWELL</b>				Signature <i>[Signature]</i>		Date Month Day Year <b>9/15/14</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>Bruce Lynette</b>				Signature <i>[Signature]</i>		Date Month Day Year <b>9/15/14</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Date Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature <i>[Signature]</i>		Date Month Day Year	

NON-HAZARDOUS WASTE

GENERATOR


TRANSPORTER


FACILITY




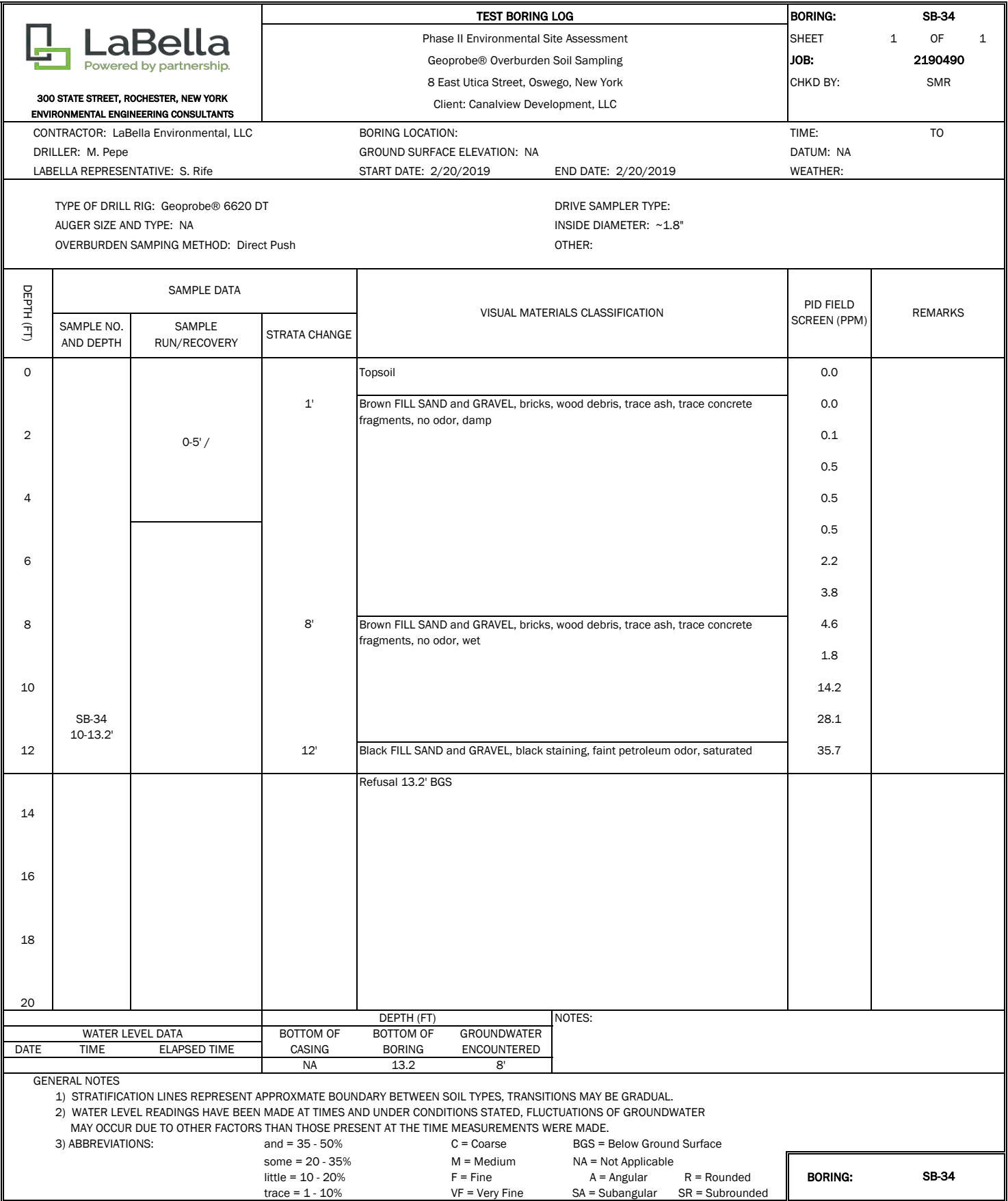
## **APPENDIX H**


### **PERFORMANCE SAMPLING BORING LOGS**

 <p><b>LaBella</b> Powered by partnership.</p> <p>300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS</p>			<p align="center"><b>TEST BORING LOG</b></p>			<p><b>BORING:</b> <b>SB-31</b></p>												
			<p>Phase II Environmental Site Assessment Geoprobe® Overburden Soil Sampling 8 East Utica Street, Oswego, New York Client: Canalview Development, LLC</p>			<p>SHEET 1 OF 1 <b>JOB:</b> <b>2190490</b> CHKD BY: SMR</p>												
<p>CONTRACTOR: LaBella Environmental, LLC DRILLER: M. Pepe LABELLA REPRESENTATIVE: S. Rife</p>			<p>BORING LOCATION: GROUND SURFACE ELEVATION: NA START DATE: 2/20/2019      END DATE: 2/20/2019</p>			<p>TIME: TO DATUM: NA WEATHER:</p>												
<p>TYPE OF DRILL RIG: Geoprobe® 6620 DT AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Direct Push</p>			<p>DRIVE SAMPLER TYPE: INSIDE DIAMETER: ~1.8" OTHER:</p>															
DEPTH (FT)	SAMPLE DATA			VISUAL MATERIALS CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS												
	SAMPLE NO. AND DEPTH	SAMPLE RUN/RECOVERY	STRATA CHANGE															
0	SB-31 8-10.2'	0-5' / 3.6'	1'	Topsoil, organics	0.0													
2				Light grey SAND, and GRAVEL, dry, no odor	0.0													
4					0.0													
6					0.0													
8		0.0																
10		0.0																
10		0.2																
10		0.3																
10		10-10.2' / 0.3'	7'	Light grey SAND, and GRAVEL, saturated, no odor, trace dark grey coloration (possible staining)	0.0													
10		0.0																
12				Refusal 10.2' BGS														
14																		
16																		
18																		
20																		
<p>WATER LEVEL DATA</p> <p>DATE      TIME      ELAPSED TIME</p>			<p>DEPTH (FT)</p> <p>BOTTOM OF CASING      BOTTOM OF BORING      GROUNDWATER ENCOUNTERED</p> <p>NA      10.2'      7'</p>		<p>NOTES:</p> <p>Well MW-05 installed to 10.0' BGS, 5' screen, 6' sand</p>													
<p>GENERAL NOTES</p> <p>1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.</p> <p>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.</p> <p>3) ABBREVIATIONS:</p> <table border="0"> <tr> <td>and = 35 - 50%</td> <td>C = Coarse</td> <td>BGS = Below Ground Surface</td> </tr> <tr> <td>some = 20 - 35%</td> <td>M = Medium</td> <td>NA = Not Applicable</td> </tr> <tr> <td>little = 10 - 20%</td> <td>F = Fine</td> <td>A = Angular      R = Rounded</td> </tr> <tr> <td>trace = 1 - 10%</td> <td>VF = Very Fine</td> <td>SA = Subangular      SR = Subrounded</td> </tr> </table>							and = 35 - 50%	C = Coarse	BGS = Below Ground Surface	some = 20 - 35%	M = Medium	NA = Not Applicable	little = 10 - 20%	F = Fine	A = Angular      R = Rounded	trace = 1 - 10%	VF = Very Fine	SA = Subangular      SR = Subrounded
and = 35 - 50%	C = Coarse	BGS = Below Ground Surface																
some = 20 - 35%	M = Medium	NA = Not Applicable																
little = 10 - 20%	F = Fine	A = Angular      R = Rounded																
trace = 1 - 10%	VF = Very Fine	SA = Subangular      SR = Subrounded																
						<p><b>BORING:</b> <b>SB-31</b></p>												


 <p><b>300 STATE STREET, ROCHESTER, NEW YORK</b> <b>ENVIRONMENTAL ENGINEERING CONSULTANTS</b></p>			<b>TEST BORING LOG</b>			<b>BORING: SB-32</b>	
			Phase II Environmental Site Assessment Geoprobe® Overburden Soil Sampling 8 East Utica Street, Oswego, New York Client: Canalview Development, LLC			SHEET 1 OF 1 <b>JOB: 2190490</b> CHKD BY: SMR	
CONTRACTOR: LaBella Environmental, LLC DRILLER: M. Pepe LABELLA REPRESENTATIVE: S. Rife			BORING LOCATION: GROUND SURFACE ELEVATION: NA START DATE: 2/20/2019      END DATE: 2/20/2019			TIME: TO DATUM: NA WEATHER:	
TYPE OF DRILL RIG: Geoprobe® 6620 DT AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Direct Push			DRIVE SAMPLER TYPE: INSIDE DIAMETER: ~1.8" OTHER:				
DEPTH (FT)	SAMPLE DATA			VISUAL MATERIALS CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS	
	SAMPLE NO. AND DEPTH	SAMPLE RUN/RECOVERY	STRATA CHANGE				
0	SB-32 12-14'	0-5' / 2.6'	2'	Topsoil, organics, trace GRAVEL	0.0		
2				Brown-grey SAND and GRAVEL, trace brick fragments, dry, no odor	0.0		
4					0.0		
6					0.0		
8		0.4					
10		1.6					
12		14.2					
14		23.7					
16		160.0					
18		1319.0					
20	5-10' / 3.8'	8'	Brown-grey SAND and GRAVEL, wet to saturated, trace grey staining, no odor	965.0			
2			Black-stained SAND, ash FILL, decayed petroleum odor	822.0			
4				423.0			
6							
8	10-14.7' / 3.2'	11.5'	Refusal 14.7' BGS				
10							
12							
14							
16							
18							
20							
WATER LEVEL DATA DATE      TIME      ELAPSED TIME			DEPTH (FT) BOTTOM OF CASING      BOTTOM OF BORING      GROUNDWATER ENCOUNTERED		NOTES: Well MW-06 installed to 14.3' BGS, 5' screen, 6' sand		
			NA      14.7'      8'				
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. 3) ABBREVIATIONS:      and = 35 - 50%      C = Coarse      BGS = Below Ground Surface some = 20 - 35%      M = Medium      NA = Not Applicable little = 10 - 20%      F = Fine      A = Angular      R = Rounded trace = 1 - 10%      VF = Very Fine      SA = Subangular      SR = Subrounded							
					<b>BORING: SB-32</b>		

 <p><b>300 STATE STREET, ROCHESTER, NEW YORK</b> <b>ENVIRONMENTAL ENGINEERING CONSULTANTS</b></p>			<b>TEST BORING LOG</b>			<b>BORING: SB-33</b>	
			Phase II Environmental Site Assessment Geoprobe® Overburden Soil Sampling 8 East Utica Street, Oswego, New York Client: Canalview Development, LLC			SHEET 1 OF 1 <b>JOB: 2190490</b> CHKD BY: SMR	
CONTRACTOR: LaBella Environmental, LLC DRILLER: M. Pepe LABELLA REPRESENTATIVE: S. Rife			BORING LOCATION: GROUND SURFACE ELEVATION: NA START DATE: 2/20/2019      END DATE: 2/20/2019			TIME: TO DATUM: NA WEATHER:	
TYPE OF DRILL RIG: Geoprobe® 6620 DT AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Direct Push			DRIVE SAMPLER TYPE: INSIDE DIAMETER: ~1.8" OTHER:				
DEPTH (FT)	SAMPLE DATA			VISUAL MATERIALS CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS	
	SAMPLE NO. AND DEPTH	SAMPLE RUN/RECOVERY	STRATA CHANGE				
0	SB-33 7-10'	0-5' / 2.5'	1.5'	Topsoil, root zone	1.7		
2				Grey to brown FILL SAND and GRAVEL, brick fragments, damp, no odor	0.6		
4					0.5		
6					3.2		
6		5-10' / 3.1'	6'		Grey to brown FILL SAND and GRAVEL, brick fragments, saturated, faint decayed petroleum odor		8.3
8				12.7			
10				35.1			
12				22.9			
10		10-14' / 2.2'	10'	Grey to brown FILL SAND and GRAVEL, saturated, no odor	15.5		
12					12.3		
					1.2		
					3.0		
14					5.7		
16					4.3		
18				Refusal 14.0' BGS			
20							
WATER LEVEL DATA DATE      TIME      ELAPSED TIME			DEPTH (FT) BOTTOM OF CASING      BOTTOM OF BORING      GROUNDWATER ENCOUNTERED		NOTES: Well MW-07 installed to 14.0' BGS, 5' screen, 6' sand		
			NA      14.0'      6'				
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. 3) ABBREVIATIONS:      and = 35 - 50%      C = Coarse      BGS = Below Ground Surface some = 20 - 35%      M = Medium      NA = Not Applicable little = 10 - 20%      F = Fine      A = Angular      R = Rounded trace = 1 - 10%      VF = Very Fine      SA = Subangular      SR = Subrounded							
						<b>BORING: SB-33</b>	



 <p><b>300 STATE STREET, ROCHESTER, NEW YORK</b> <b>ENVIRONMENTAL ENGINEERING CONSULTANTS</b></p>			<b>TEST BORING LOG</b>			<b>BORING: SB-35</b>												
			Phase II Environmental Site Assessment Geoprobe® Overburden Soil Sampling 8 East Utica Street, Oswego, New York Client: Canalview Development, LLC			SHEET 1 OF 1 <b>JOB: 2190490</b> CHKD BY: SMR												
CONTRACTOR: LaBella Environmental, LLC DRILLER: M. Pepe LABELLA REPRESENTATIVE: S. Rife			BORING LOCATION: GROUND SURFACE ELEVATION: NA START DATE: 2/20/2019      END DATE: 2/20/2019			TIME: TO DATUM: NA WEATHER:												
TYPE OF DRILL RIG: Geoprobe® 6620 DT AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Direct Push			DRIVE SAMPLER TYPE: INSIDE DIAMETER: ~1.8" OTHER:															
DEPTH (FT)	SAMPLE DATA			VISUAL MATERIALS CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS												
	SAMPLE NO. AND DEPTH	SAMPLE RUN/RECOVERY	STRATA CHANGE															
0				Topsoil	0.2	PID BG = 0.2 PPM												
2		0-5' / 1.8'	1'	Brown FILL SAND and GRAVEL, damp, no odor	0.2													
4																		
6																		
8																		
10		5-10' / 1.1'	4.5'	Brown FILL SAND and GRAVEL, wet, no odor	0.2													
12																		
		10-12.4' / 1.0'	6'	Grey-brown VC SAND and GRAVEL, saturated, no odor	0.2													
	SB-35 10-12.4'		10.5'	Black-stained SAND and GRAVEL, trace cinders, wood debris, petroleum odor, saturated	601.0													
					752.0													
14				Refusal 12.4' BGS														
16																		
18																		
20																		
			DEPTH (FT)		NOTES:													
			BOTTOM OF CASING	BOTTOM OF BORING			GROUNDWATER ENCOUNTERED											
DATE	TIME	ELAPSED TIME	NA	12.4'			6'											
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. 3) ABBREVIATIONS: <table border="0" style="width: 100%;"> <tr> <td>and = 35 - 50%</td> <td>C = Coarse</td> <td>BGS = Below Ground Surface</td> </tr> <tr> <td>some = 20 - 35%</td> <td>M = Medium</td> <td>NA = Not Applicable</td> </tr> <tr> <td>little = 10 - 20%</td> <td>F = Fine</td> <td>A = Angular      R = Rounded</td> </tr> <tr> <td>trace = 1 - 10%</td> <td>VF = Very Fine</td> <td>SA = Subangular      SR = Subrounded</td> </tr> </table>							and = 35 - 50%	C = Coarse	BGS = Below Ground Surface	some = 20 - 35%	M = Medium	NA = Not Applicable	little = 10 - 20%	F = Fine	A = Angular      R = Rounded	trace = 1 - 10%	VF = Very Fine	SA = Subangular      SR = Subrounded
and = 35 - 50%	C = Coarse	BGS = Below Ground Surface																
some = 20 - 35%	M = Medium	NA = Not Applicable																
little = 10 - 20%	F = Fine	A = Angular      R = Rounded																
trace = 1 - 10%	VF = Very Fine	SA = Subangular      SR = Subrounded																
						<b>BORING: SB-35</b>												



 <p><b>300 STATE STREET, ROCHESTER, NEW YORK</b> <b>ENVIRONMENTAL ENGINEERING CONSULTANTS</b></p>				<b>TEST BORING LOG</b>			<b>BORING: SB-36</b>	
				Phase II Environmental Site Assessment Geoprobe® Overburden Soil Sampling 8 East Utica Street, Oswego, New York Client: Canalview Development, LLC			<b>SHEET 1 OF 1</b> <b>JOB: 2190490</b> <b>CHKD BY: SMR</b>	
CONTRACTOR: LaBella Environmental, LLC DRILLER: M. Pepe LABELLA REPRESENTATIVE: S. Rife				BORING LOCATION: GROUND SURFACE ELEVATION: NA START DATE: 2/20/2019      END DATE: 2/20/2019			TIME: TO DATUM: NA WEATHER:	
TYPE OF DRILL RIG: Geoprobe® 6620 DT AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Direct Push				DRIVE SAMPLER TYPE: INSIDE DIAMETER: ~1.8" OTHER:				
DEPTH (FT)	SAMPLE DATA			VISUAL MATERIALS CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS		
	SAMPLE NO. AND DEPTH	SAMPLE RUN/RECOVERY	STRATA CHANGE					
0	SB-36 4-5'	0-5' / 2.3'	0.5	Topsoil	0.5	PID BG = 0.3 PPM		
					Brown FILL SAND and GRAVEL, bricks, concrete, damp, no odor		0.5	
2							0.6	
							1.2	
4			4'		Brown FILL SAND and GRAVEL, bricks, concrete, saturated, no odor		0.8	
			5'		Grey-brown VC SAND and GRAVEL, saturated, no odor		0.3	
6							0.3	
							0.3	
8							0.3	
							0.3	
10					0.3			
					0.3			
12		10-14.2' / 1.0'			0.3			
					0.4			
14					0.4			
16				Refusal 14.2' BGS				
18								
20								
				DEPTH (FT)		NOTES:		
WATER LEVEL DATA				BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED		
DATE	TIME	ELAPSED TIME		NA	14.2'	5'		
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. 3) ABBREVIATIONS:      and = 35 - 50%      C = Coarse      BGS = Below Ground Surface some = 20 - 35%      M = Medium      NA = Not Applicable little = 10 - 20%      F = Fine      A = Angular      R = Rounded trace = 1 - 10%      VF = Very Fine      SA = Subangular      SR = Subrounded								
						<b>BORING: SB-36</b>		

## **APPENDIX I**

### **WELL CONSTRUCTION LOGS**



# MONITORING WELL INSTALLATION REPORT

MONITORING  
WELL  
ID  
**MW-1**

Project: Former Breneman Site , BCP Site # C738046  
Location: 8 East Utica Street, Oswego, NY  
Client: Canalview Development LLC  
Contractor(s): Natures Way  
Driller: \_\_\_\_\_  
Rock Coring Method: NA

LaBella Project No.: 214001  
LaBella Representative: A.Benkleman  
Date Installed: 12/4/2013  
Time: \_\_\_\_\_ to \_\_\_\_\_  
Type of Drill Rig: Rotary  
Auger size and type: 4.25" H.S.A.

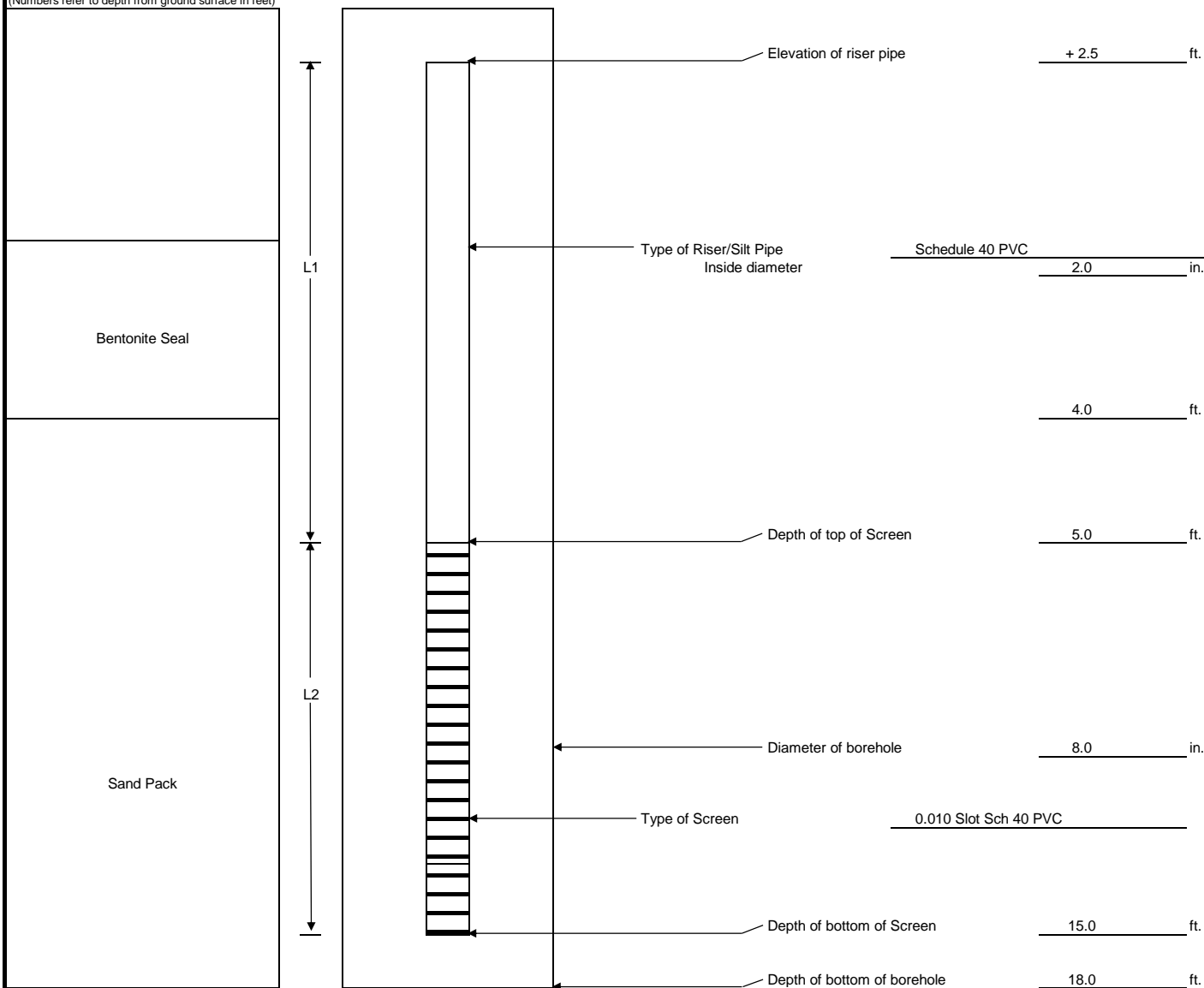
Casing El.: 307.47' AMSL  
(Top of PCV riser)

Location: See Plan

Depth to bedrock: NA

## BOREHOLE BACKFILL

(Numbers refer to depth from ground surface in feet)



$$\frac{7.5}{\text{Riser Length (L1)}} \text{ ft.} + \frac{10.0}{\text{Length of Screen (L2)}} \text{ ft.} = \frac{17.5}{\text{Total Lemgth}} \text{ ft.}$$

NOTES:



# MONITORING WELL INSTALLATION REPORT

MONITORING  
WELL  
ID  
**MW-2**

Project: Former Breneman Site , BCP Site # C738046  
Location: 8 East Utica Street, Oswego, NY  
Client: Canalview Development LLC  
Contractor(s): Natures Way  
Driller: \_\_\_\_\_  
Rock Coring Method: NA

LaBella Project No.: 214001  
LaBella Representative: A.Benkleman  
Date Installed: 12/4/2013  
Time: \_\_\_\_\_ to \_\_\_\_\_  
Type of Drill Rig: Rotary  
Auger size and type: 4.25" H.S.A.

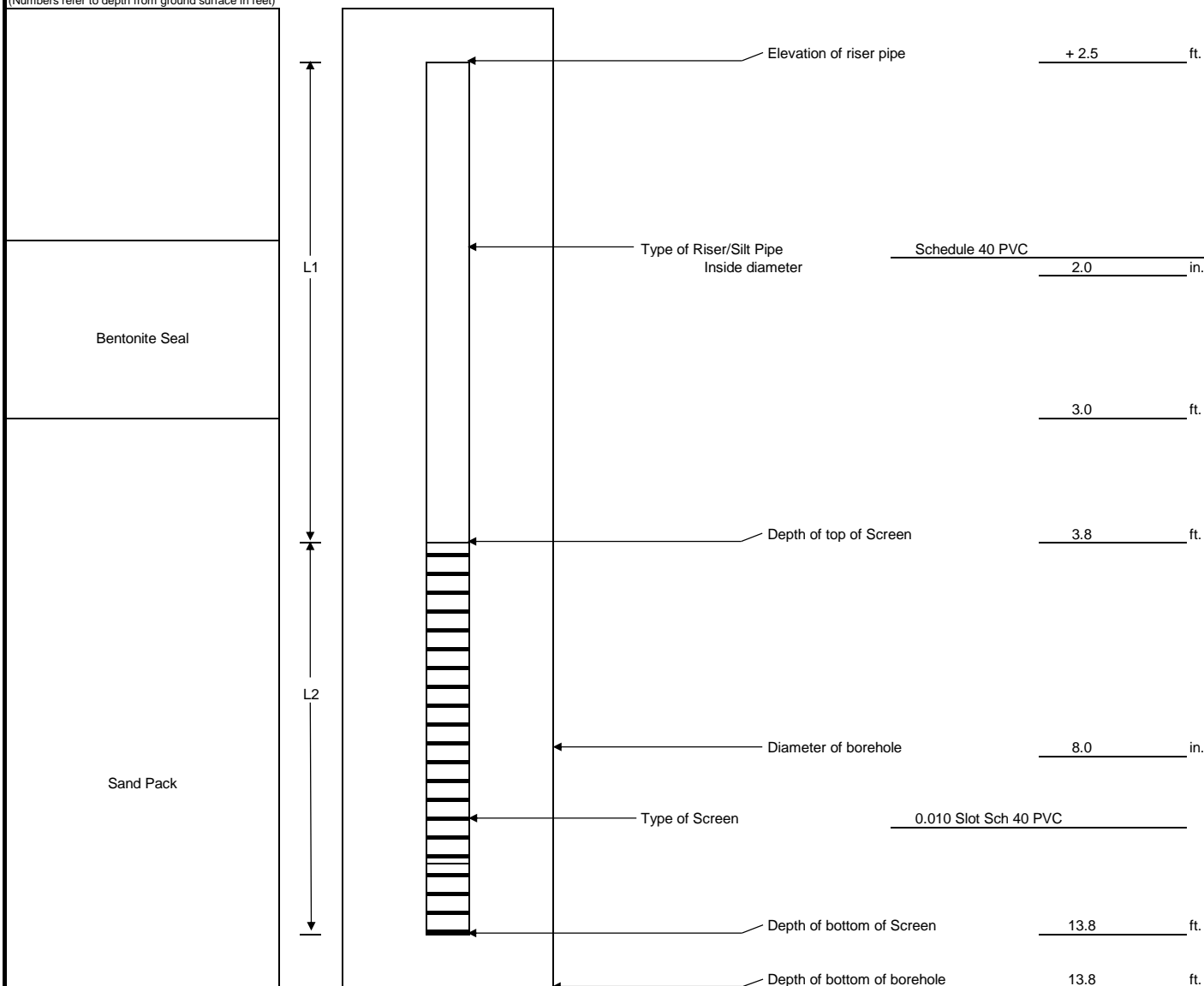
Casing El.: 271.34' AMSL  
(Top of PCV riser)

Location: See Plan

Depth to bedrock: 13.8 ft

## BOREHOLE BACKFILL

(Numbers refer to depth from ground surface in feet)



$$\begin{array}{rcl} \text{+/- 6.3 ft.} & + & \text{10.0 ft.} \\ \text{Riser Length (L1)} & & \text{Length of Screen (L2)} \end{array} = \text{+/- 16.3 ft.} \quad \text{Total Length}$$

NOTES:



# MONITORING WELL INSTALLATION REPORT

MONITORING  
WELL  
ID  
**MW-3**

Project: Former Breneman Site , BCP Site # C738046  
Location: 8 East Utica Street, Oswego, NY  
Client: Canalview Development LLC  
Contractor(s): Natures Way  
Driller: \_\_\_\_\_  
Rock Coring Method: NA

LaBella Project No.: 214001  
LaBella Representative: D.Engert  
Date Installed: 12/6/2013  
Time: \_\_\_\_\_ to \_\_\_\_\_  
Type of Drill Rig: Rotary  
Auger size and type: 4.25" H.S.A.

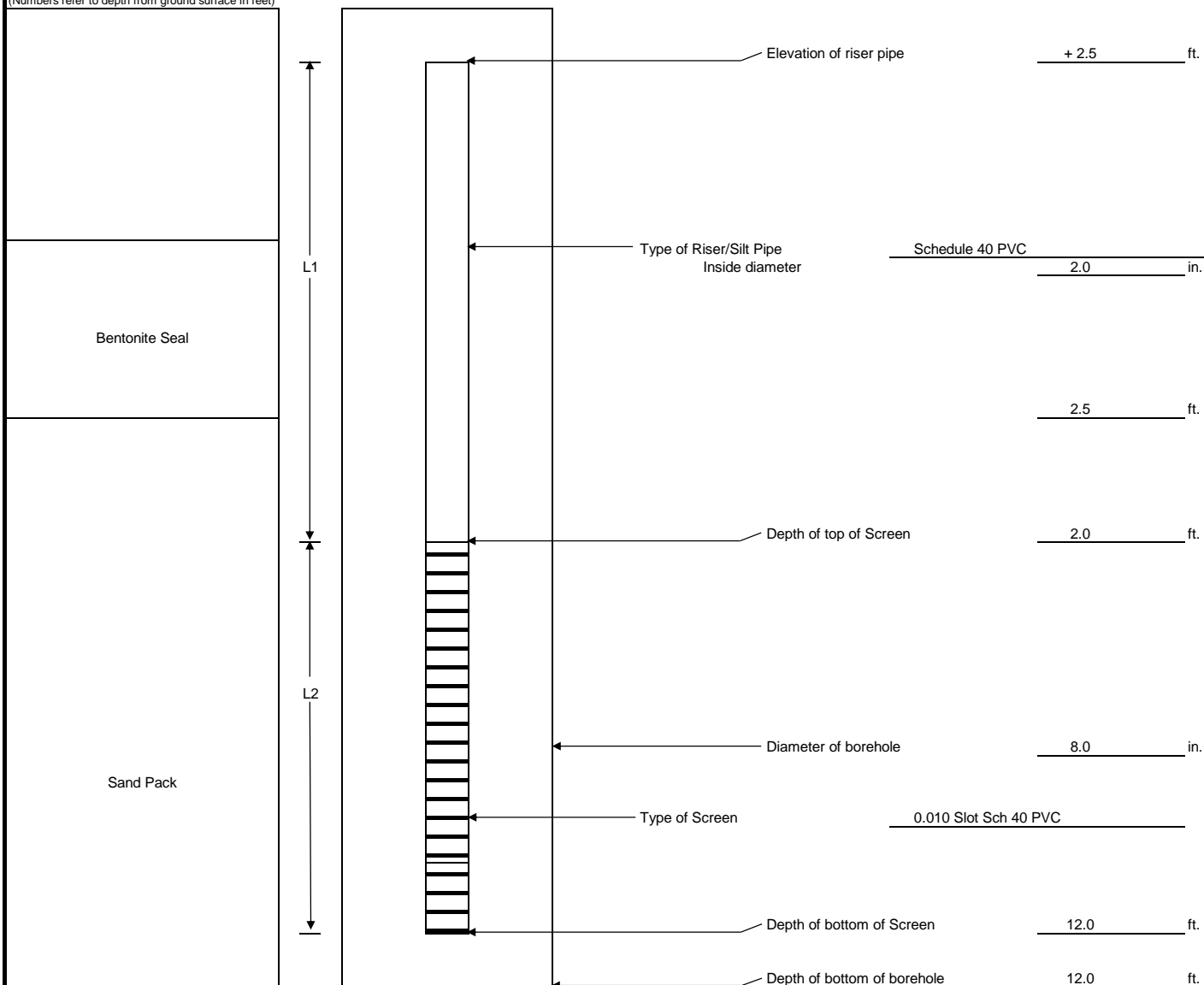
Casing El.: 271.69' AMSL  
(Top of PCV riser)

Location: See Plan

Depth to bedrock: NA

## BOREHOLE BACKFILL

(Numbers refer to depth from ground surface in feet)



$$\begin{array}{rcl} \text{+/- 4.5} & \text{ft.} & + \\ \text{Riser Length (L1)} & & \\ \text{+} & & \\ \text{10.0} & \text{ft.} & \\ \text{Length of Screen (L2)} & & \\ \text{=} & & \\ \text{+/- 14.5} & \text{ft.} & \\ \text{Total Length} & & \end{array}$$

NOTES:



# MONITORING WELL INSTALLATION REPORT

MONITORING  
WELL  
ID  
**MW-4**

Project: Former Breneman Site , BCP Site # C738046  
Location: 8 East Utica Street, Oswego, NY  
Client: Canalview Development LLC  
Contractor(s): Natures Way  
Driller: \_\_\_\_\_  
Rock Coring Method: NA

LaBella Project No.: 214001  
LaBella Representative: A.Benkleman  
Date Installed: 12/4/2013  
Time: \_\_\_\_\_ to \_\_\_\_\_  
Type of Drill Rig: Rotary  
Auger size and type: 4.25" H.S.A.

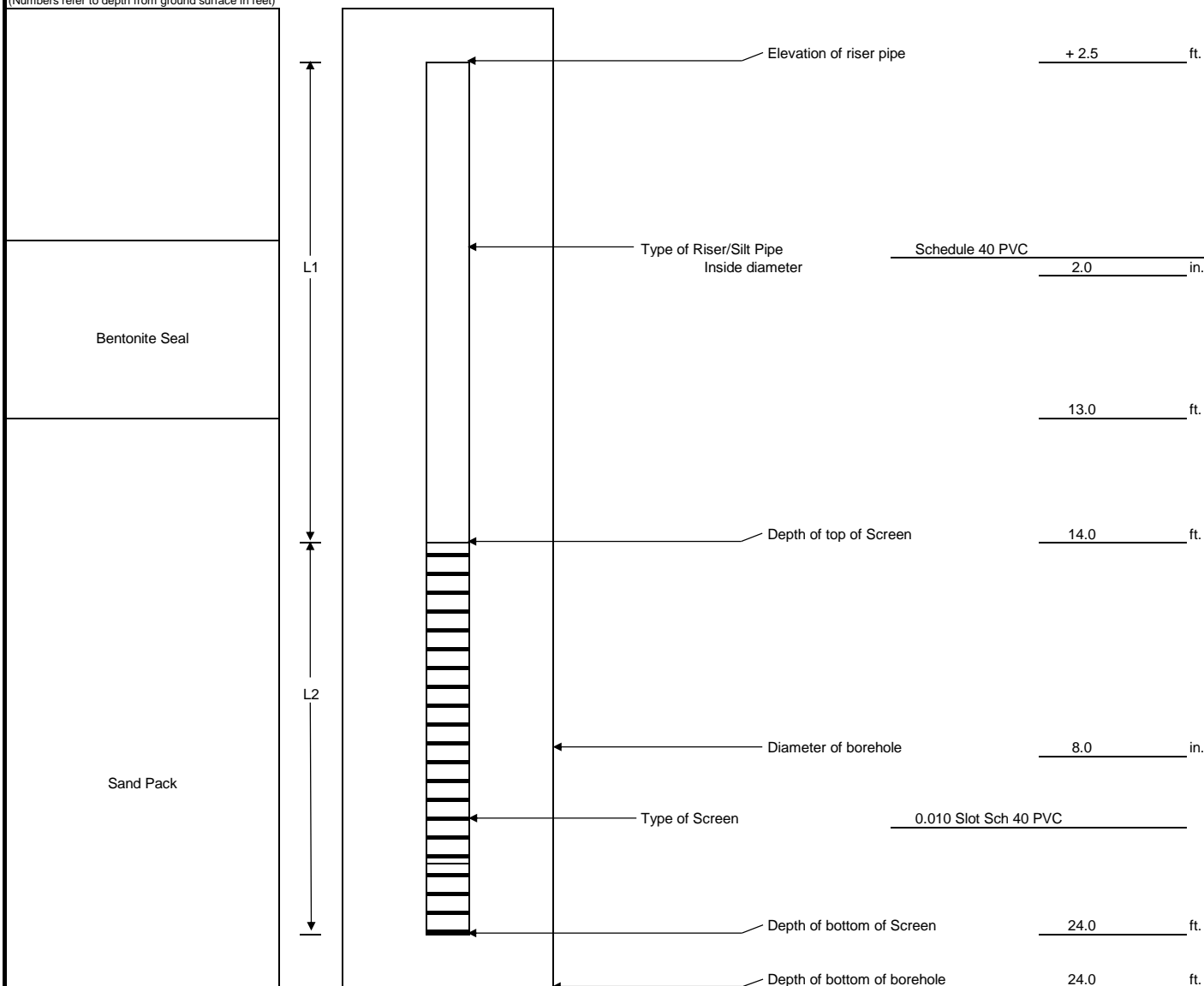
Casing El.: 296.85' AMSL  
(Top of PCV riser)

Location: See Plan

Depth to bedrock: NA

## BOREHOLE BACKFILL

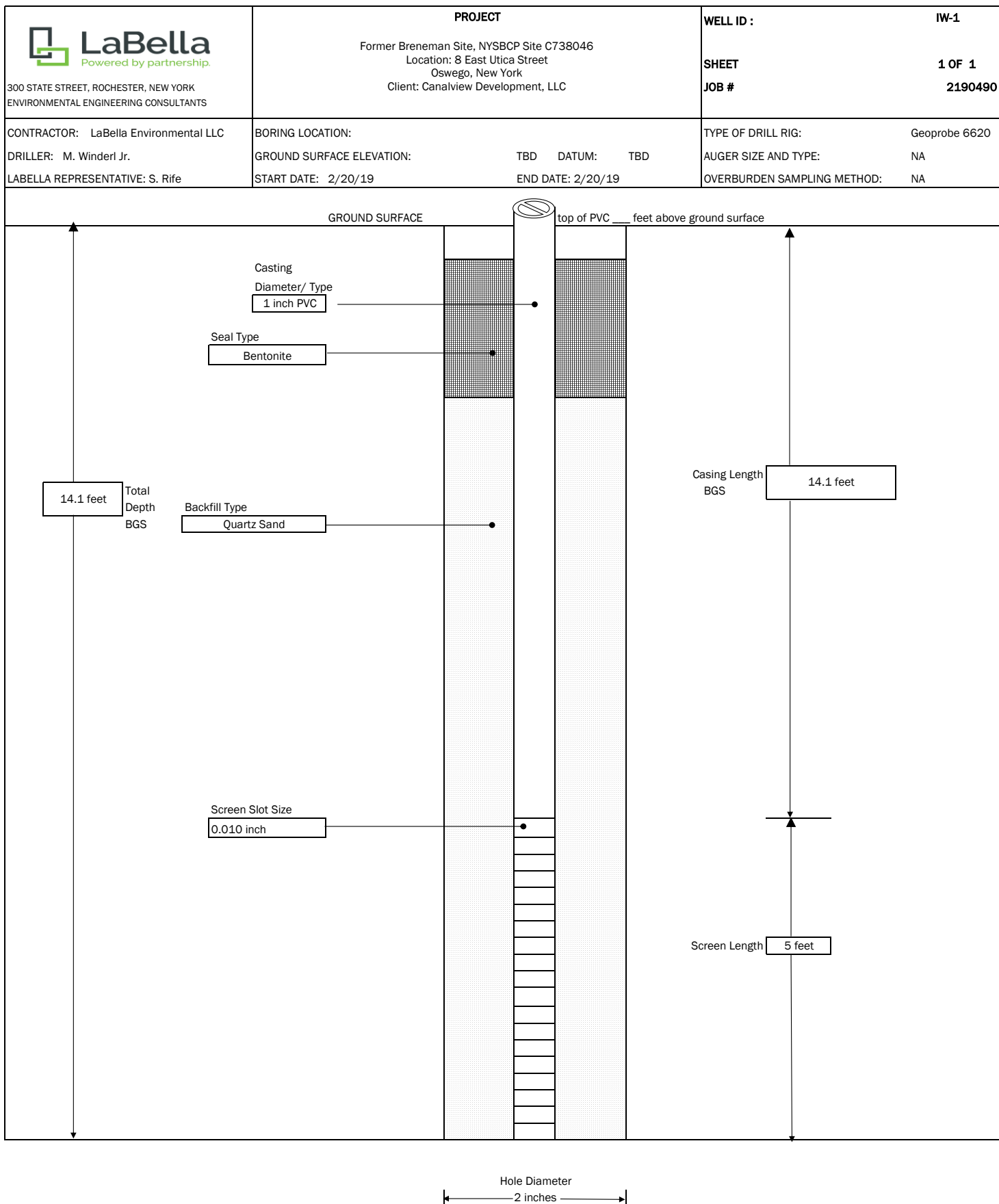
(Numbers refer to depth from ground surface in feet)



$$\frac{16.5}{\text{Riser Length (L1)}} \text{ ft.} + \frac{10.0}{\text{Length of Screen (L2)}} \text{ ft.} = \frac{26.5}{\text{Total Lemgth}} \text{ ft.}$$

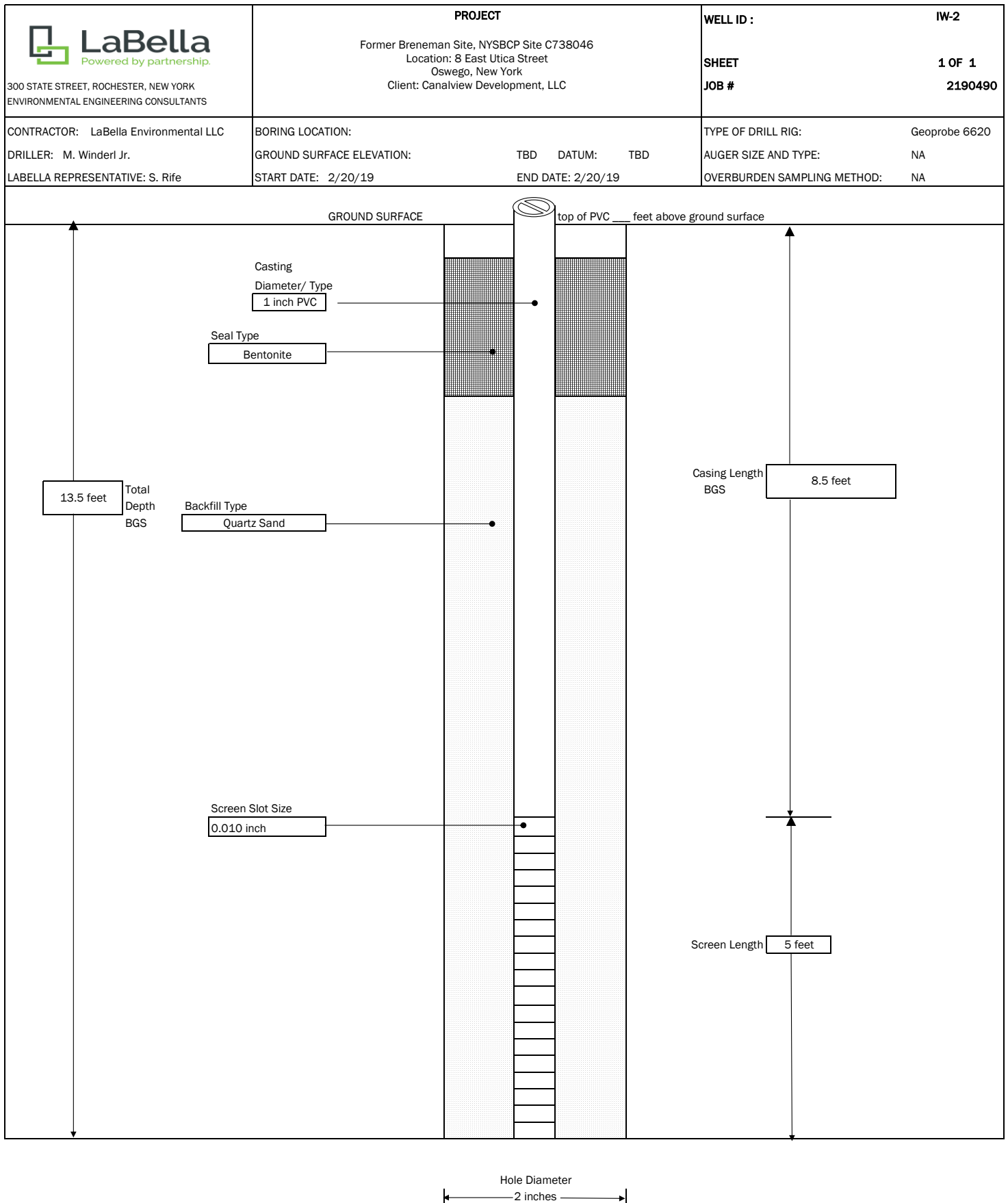
NOTES:



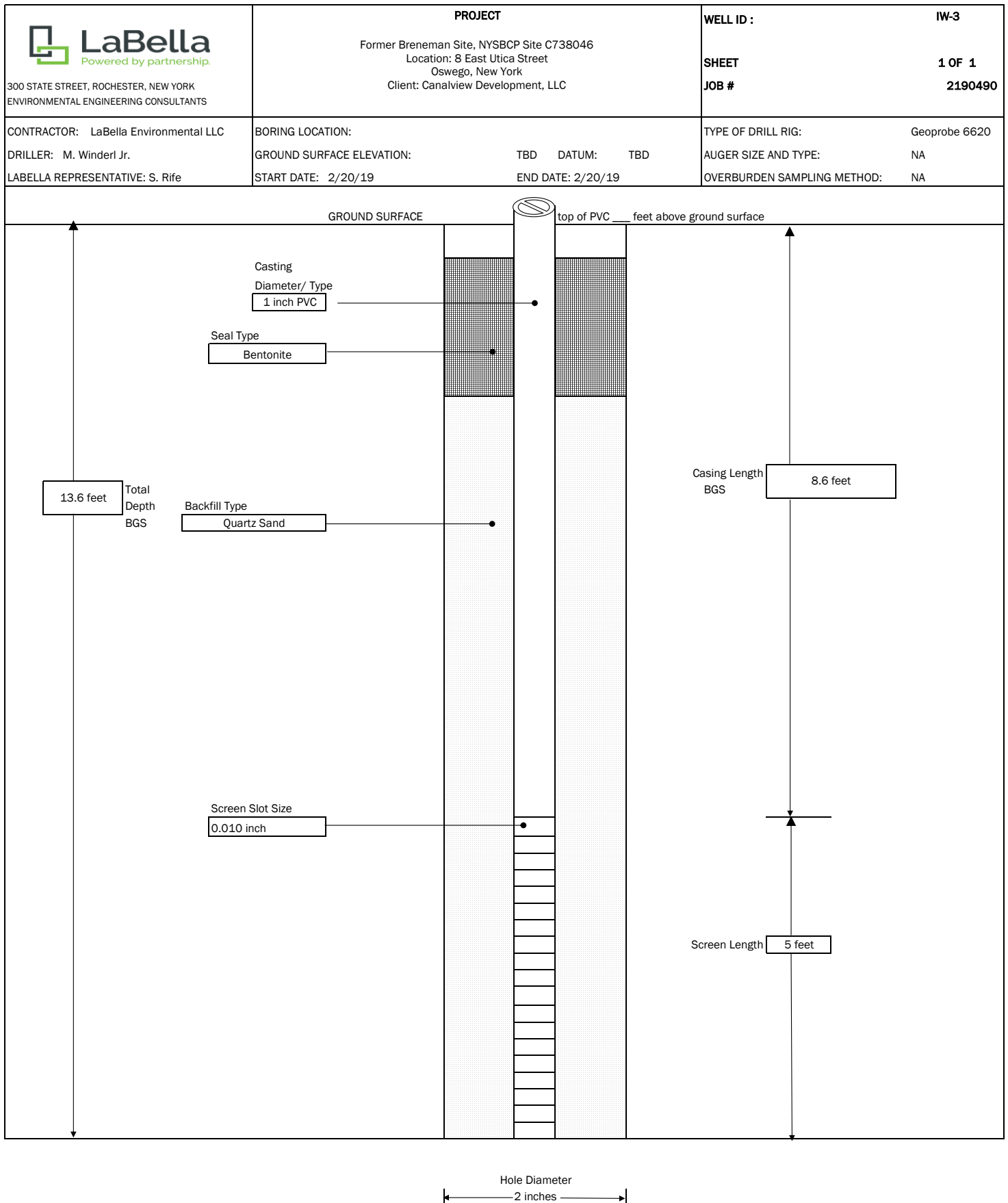


GENERAL NOTES:

- 1) NOT TO SCALE
- 2) DEPTHS ARE APPROXIMATE

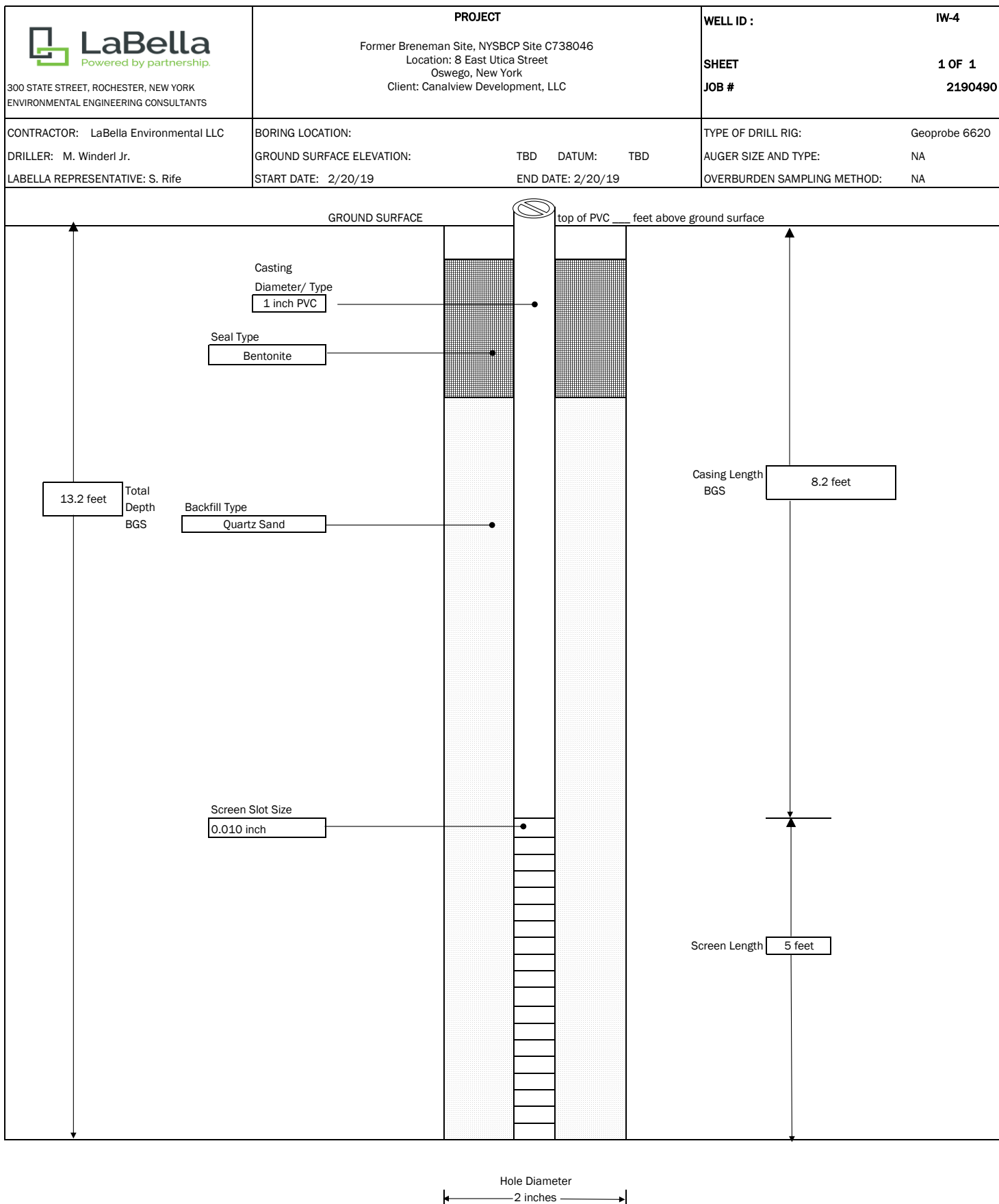


GENERAL NOTES:  
 1) NOT TO SCALE  
 2) DEPTHS ARE APPROXIMATE

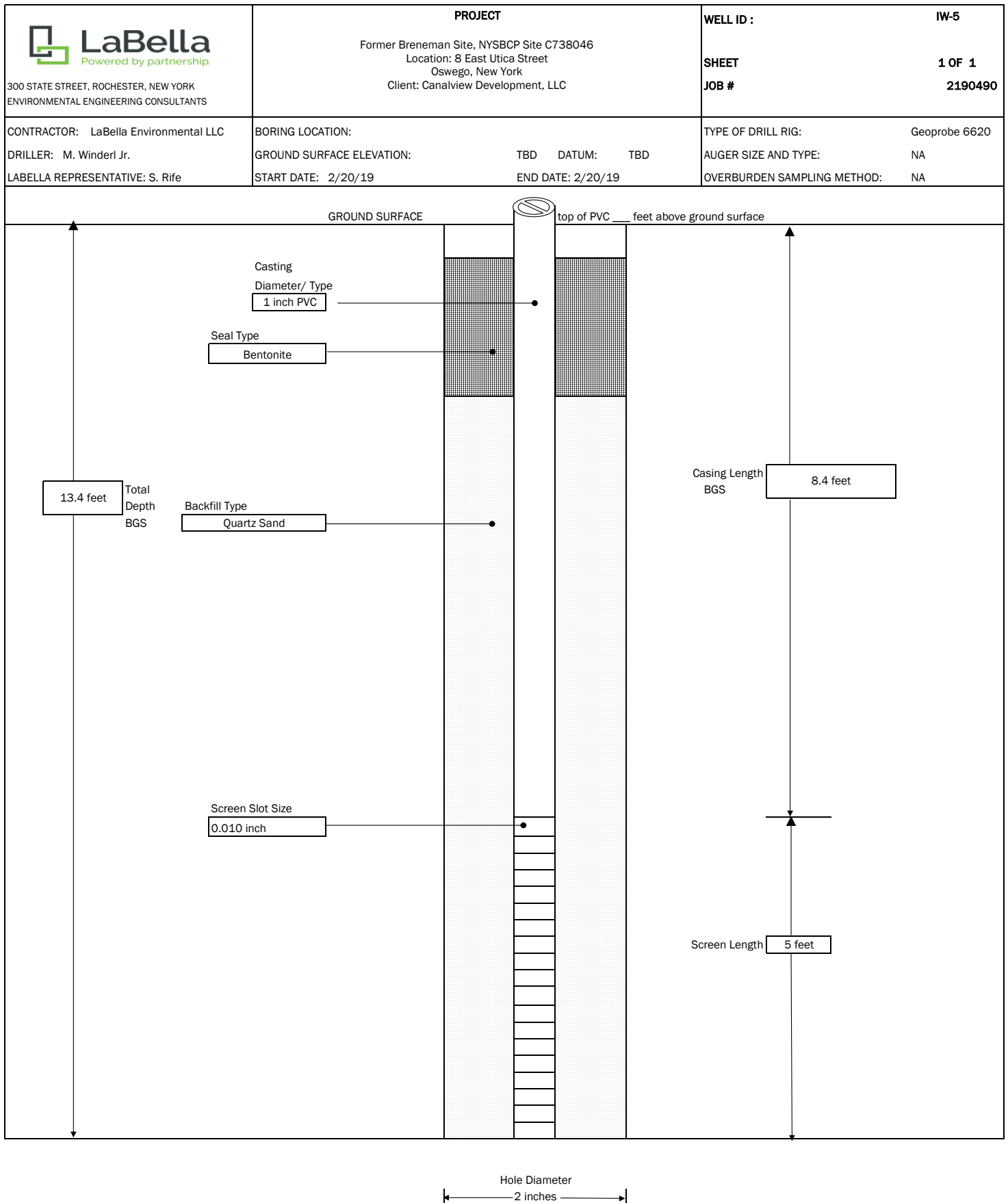


GENERAL NOTES:

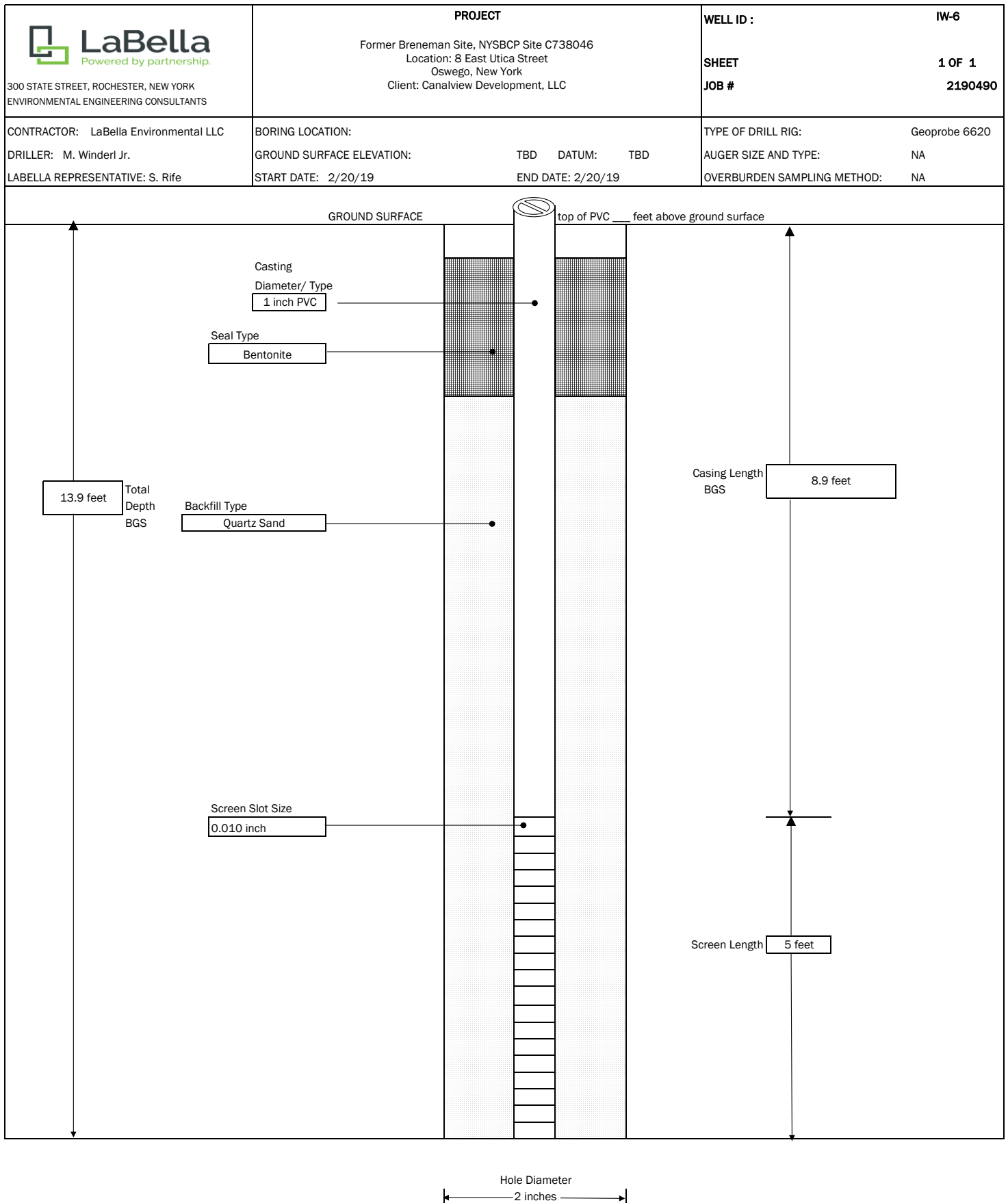
- 1) NOT TO SCALE
- 2) DEPTHS ARE APPROXIMATE



GENERAL NOTES:  
 1) NOT TO SCALE  
 2) DEPTHS ARE APPROXIMATE



GENERAL NOTES:  
1) NOT TO SCALE  
2) DEPTHS ARE APPROXIMATE



GENERAL NOTES:  
 1) NOT TO SCALE  
 2) DEPTHS ARE APPROXIMATE



## **APPENDIX J**

### **TABLES**

## REFERENCE PAGE FOR SAMPLE RESULTS

### Former Breneman Site NYSDEC BCP Site C738046

#### Qualifiers

U - The compound was not detected at the indicated concentration.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.

The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

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

**Blue** 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 Residential Use

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

Result rejected per Data Usability Summary Report (DUSR)

Table 4.4A  
Former Breneman Site  
NYSDEC Brownfield Cleanup Program NYSDEC BCP Site C738046

Post Remediation Soil Sampling - VOCs  
Results in Parts Per Million (PPM)

Sample ID	SB-31	SB-32	SB-33	SB-34	SB-35	SB-36	DUPE	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: Restricted Residential 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 Groundwater
Sample Location	SB-31	SB-32	SB-33	SB-34	SB-35	SB-36	SB-32				
Sample Depth	8-10'	12-14'	7-10'	10-13'	10-12'	4-5'	12-14'				
Sample Collection Date	2/20/2019	2/20/2019	2/20/2019	2/20/2019	2/20/2019	2/20/2019	2/20/2019				
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	0.68	100.00	500.00	0.68
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	0.27	26.00	240.00	0.27
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	0.33	100.00	500.00	0.33
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	3.60	52.00	190.00	3.60
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	1.10	100.00	500.00	1.10
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	0.02	3.10	30.00	0.02
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	8.40	52.00	190.00	8.40
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	2.40	49.00	280.00	2.40
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	1.80	13.00	130.00	1.80
2-Butanone	ND	ND	ND	ND	ND	ND	ND	0.12	100.00	500.00	0.12
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
4-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	10.00	NA	NA	10.00
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Acetone	ND	ND	ND	ND	ND	0.098	ND	0.05	100.00	500.00	0.05
Benzene	0.00023 J	1.4	ND	ND	ND	ND	5.0	0.06	4.80	44.00	0.06
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Bromoform	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Bromomethane	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	0.76	2.40	22.00	0.76
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	1.10	100.00	500.00	1.10
Chloroethane	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Chloroform	ND	ND	ND	ND	ND	ND	ND	0.37	49.00	350.00	0.37
Chloromethane	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
cis-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	0.25	100.00	500.00	0.25
cis-1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Cyclohexane	ND	7.9 J	ND	ND	140.0	0.0063 J	59.0	NA	NA	NA	NA
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Dichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Ethylbenzene	0.0092	150.0	0.12	0.19	50.0	0.0066	800.0	1.00	41.00	390.00	1.00
Isopropylbenzene	0.00093 J	17.0	0.021	0.09	100.0	0.004	100.0	2.30	NA	NA	2.30
m,p-Xylene	0.037	630.0	0.47	0.68	8.6 J	0.029	3400.0	0.26	100.00	500.00	1.60
Methyl acetate	ND	1.9 J	0.45	0.22	ND	ND	ND	NA	NA	NA	NA
Methyl tert-butyl ether	ND	ND	ND	ND	ND	ND	ND	0.93	100.00	500.00	0.93
Methylcyclohexane	0.0032 J	90.0	0.64	0.23	1,400.0	0.1	680.0	NA	NA	NA	NA
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	0.05	100.00	500.00	0.05
Napthalene	ND	ND	ND	ND	ND	ND	ND	12.00	100.00	500.00	12.00
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	12.00	100.00	500.00	12.00
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	3.90	100.00	500.00	3.90
o-Xylene	0.0036	56.0	0.052	0.065	ND	ND	360.0	0.26	100.00	500.00	1.60
Styrene	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	11.00	100.00	500.00	11.00
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	5.90	100.00	500.00	5.90
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	1.30	19.00	150.00	1.30
Toluene	ND	1.2	ND	ND	ND	ND	7.2 J	0.70	100.00	500.00	0.70
trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	0.19	100.00	500.00	0.19
trans-1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	0.47	21.00	200.00	0.47
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	0.02	0.90	13.00	0.02

**Table 4.4B**  
**Former Breneman Site**  
**NYSDEC BCP Site C738046**

**Post Remediation Soil Sampling - SVOCs**  
**Results in Parts Per Million (ppm)**

Sample ID	SB-31	SB-32	SB-33	SB-34	SB-35	SB-36	DUPE	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: Restricted Residential 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 Groundwater
Sample Location	SB-31	SB-32	SB-33	SB-34	SB-35	SB-36	SB-32				
Sample Depth	8-10'	12-14'	7-10'	10-13'	10-12'	4-5'	12-14'				
Sample Collection Date	2/20/2019	2/20/2019	2/20/2019	2/20/2019	2/20/2019	2/20/2019	2/20/2019				
1,1'-Biphenyl	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
2-Methylnaphthalene	ND	4.0 J	ND	0.03 J	0.94	ND	7.8 J	Not Listed	Not Listed	Not Listed	36.40
2-Methylphenol (o-Cresol)	ND	ND	ND	ND	ND	ND	ND	0.33	100.00	500.00	0.33
2-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
3&4-Methylphenol (m&p-Cresol)	ND	ND	ND	ND	0.46 J	ND	ND	0.33	100.00	500.00	0.33
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
3-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
4-Bromophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
4-Chloroaniline	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
4-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	0.10
Acenaphthene	ND	ND	0.038 J	0.05 J	0.18 J	ND	ND	20.00	100.00	500.00	98.00
Acenaphthylene	0.079 J	ND	0.66 J	0.055 J	0.2 J	ND	ND	100.00	100.00	500.00	107.00
Acetophenone	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Anthracene	0.065 J	ND	ND	0.14	0.54	ND	ND	100.00	100.00	500.00	1,000.00
Atrazine	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Benzaldehyde	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Benzo(a)anthracene	0.24	ND	0.35	0.33	1.6	0.11	ND	1.00	1.00	5.60	1.00
Benzo(a)pyrene	0.2	ND	0.35	0.3	1.4	0.11	ND	1.00	1.00	1.00	22.00
Benzo(b)fluoranthene	0.27	ND	0.42	0.38	1.9	0.13	ND	1.00	1.00	5.60	1.70
Benzo(g,h,i)perylene	0.091 J	ND	0.18 J	0.16	0.81	0.076 J	ND	100.00	100.00	500.00	1,000.00
Benzo(k)fluoranthene	0.068 J	ND	0.13	0.13	0.63	0.5 J	ND	0.80	3.90	56.00	1.70
bis(2-chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Bis(2-chloroethyl)ether	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
bis(2-Ethylhexyl)Phthalate	0.58	21	0.37	0.44	3.8	0.39	220	Not Listed	Not Listed	Not Listed	435.00
Butylbenzylphthalate	0.05 J	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Caprolactam	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Carbazole	ND	ND	ND	0.036 J	0.18 J	0.019 J	ND	Not Listed	Not Listed	Not Listed	Not Listed
Chrysene	0.18	ND	0.3	0.29	1.5	0.1 J	ND	1.00	3.90	56.00	1.00
Dibenz(a,h)anthracene	ND	ND	0.059 J	ND	0.26 J	0.028 J	ND	0.33	0.33	0.56	1,000.00
Dibenzofuran	ND	ND	0.022 J	0.049 J	0.24 J	ND	ND	7.00	59.00	350.00	210.00
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Dimethylphthalate	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Di-n-butylphthalate	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Di-n-octylphthalate	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Fluoranthene	0.34	ND	0.56	0.67	3.3	0.2	2.6 J	100.00	100.00	500.00	1,000.00
Fluorene	0.3 J	ND	0.056 J	0.086 J	0.39 J	ND	ND	30.00	100.00	500.00	386.00
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	0.33	1.20	6.00	3.20
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Hexachloroethane	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Indeno(1,2,3-cd)pyrene	0.11 J	ND	0.22	0.19	0.97	0.086 J	ND	0.50	0.50	5.60	8.20
Isophorone	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Naphthalene	ND	21	0.024 J	0.039 J	1.4	ND	42	12.00	100.00	500.00	12.00
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
N-Nitroso-di-n-propylamine	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	0.80	6.70	6.70	0.80
Phenanthrene	ND	ND	ND	ND	2.1	0.15	2.6 J	100.00	100.00	500.00	1,000.00
Phenol	ND	ND	ND	ND	ND	ND	ND	0.33	100.00	500.00	0.33
Pyrene	0.27	ND	ND	0.54	2.7	0.18	2.1 J	100.00	100.00	500.00	1,000.00

Table 4.6.1A  
Former Breneman Site  
NYSDEC Brownfield Cleanup Program NYSDEC BCP Site C738046

Remaining VOCs above Unrestricted Use SCOs - Soil  
Results in Parts Per Million (PPM)

Sample ID	120413-TP15-10	14050023-01	SB-32	SB-33	SB-34	SB-35	SB-36	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: Restricted Residential 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 Groundwater
Sample Location	TP-15	SB-08	SB-32/SB-12 <sup>1,2</sup>	SB-33/SB-14 <sup>2</sup>	SB-34/SB-03 <sup>2</sup>	SB-35/SB-16 <sup>2</sup>	SB-36 <sup>1</sup>				
Sample Depth	10'	10'-10.5'	12-14'	7-10'	10-13'	10-12'	4-5'				
Sample Collection Date	12/4/2013	4/28/2014	2/20/2019	2/20/2019	2/20/2019	2/20/2019	2/20/2019				
1,1,1-Trichloroethane	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	0.68	100.00	500.00	0.68
1,1,2,2-Tetrachloroethane	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	NA	NA	NA	NA
1,1,2-Trichloroethane	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	NA	NA	NA	NA
1,1-Dichloroethane	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	0.27	26.00	240.00	0.27
1,1-Dichloroethene	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	0.33	100.00	500.00	0.33
1,2,4-Trichlorobenzene	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	NA	NA	NA	NA
1,2,4-Trimethylbenzene	NA	0.733	ND	ND	ND	ND	ND	3.60	52.00	190.00	3.60
1,2-Dibromo-3-chloropropane	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	NA	NA	NA	NA
1,2-Dibromoethane	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	NA	NA	NA	NA
1,2-Dichlorobenzene	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	1.10	100.00	500.00	1.10
1,2-Dichloroethane	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	0.02	3.10	30.00	0.02
1,2-Dichloropropane	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	NA	NA	NA	NA
1,3,5-Trimethylbenzene	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	8.40	52.00	190.00	8.40
1,3-Dichlorobenzene	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	2.40	49.00	280.00	2.40
1,4-Dichlorobenzene	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	1.80	13.00	130.00	1.80
2-Butanone	ND<1.48	ND<0.642	ND	ND	ND	ND	ND	0.12	100.00	500.00	0.12
2-Hexanone	ND<1.48	ND<0.642	ND	ND	ND	ND	ND	NA	NA	NA	NA
4-Isopropyltoluene	NA	0.228	ND	ND	ND	ND	ND	10.00	NA	NA	10.00
4-Methyl-2-pentanone	ND<1.48	ND<0.642	ND	ND	ND	ND	ND	NA	NA	NA	NA
Acetone	ND<7.380	ND<1.280	ND	ND	ND	ND	<b>0.098</b>	0.05	100.00	500.00	0.05
Benzene	ND<1.48	ND<0.128	<b>1.4</b>	ND	ND	ND	ND	0.06	4.80	44.00	0.06
Bromodichloromethane	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	NA	NA	NA	NA
Bromoform	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	NA	NA	NA	NA
Bromomethane	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	NA	NA	NA	NA
Carbon disulfide	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	NA	NA	NA	NA
Carbon Tetrachloride	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	0.76	2.40	22.00	0.76
Chlorobenzene	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	1.10	100.00	500.00	1.10
Chloroethane	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	NA	NA	NA	NA
Chloroform	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	0.37	49.00	350.00	0.37
Chloromethane	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	NA	NA	NA	NA
cis-1,2-dichloroethene	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	0.25	100.00	500.00	0.25
cis-1,3-Dichloropropane	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	NA	NA	NA	NA
Cyclohexane	42.1	ND<0.128	7.9 J	ND	ND	140.0	0.0063 J	NA	NA	NA	NA
Dibromochloromethane	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	NA	NA	NA	NA
Dichlorofluoromethane	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	NA	NA	NA	NA
Ethylbenzene	<b>73.3</b>	ND<0.128	<b>150.0</b>	0.12	0.19	<b>50.0</b>	0.0066	1.00	41.00	390.00	1.00
Isopropylbenzene	<b>109.0</b>	1.04	<b>17.0</b>	0.021	0.09	<b>100.0</b>	0.004	2.30	NA	NA	2.30
m,p-Xylene	<b>150.0</b>	<b>0.336</b>	<b>630.0</b>	<b>0.47</b>	<b>0.68</b>	<b>8.6</b> J	0.029	0.26	100.00	500.00	1.60
Methyl acetate	ND<1.48	ND<0.128	1.9 J	0.45	0.22	ND	ND	NA	NA	NA	NA
Methyl tert-butyl ether	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	0.93	100.00	500.00	0.93
Methylcyclohexane	963.0	2.8	90.0	0.64	0.23	1,400.0	0.1	NA	NA	NA	NA
Methylene chloride	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	0.05	100.00	500.00	0.05
Napthalene	NA	ND<0.128	ND	ND	ND	ND	ND	12.00	100.00	500.00	12.00
n-Butylbenzene	NA	299	ND	ND	ND	ND	ND	12.00	100.00	500.00	12.00
n-Propylbenzene	NA	<b>1020</b>	ND	ND	ND	ND	ND	3.90	100.00	500.00	3.90
o-Xylene	<b>3.38</b> U	ND<0.128	<b>56.0</b>	0.052	0.065	ND	ND	0.26	100.00	500.00	1.60
Styrene	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	NA	NA	NA	NA
sec-Butylbenzene	NA	0.35	ND	ND	ND	ND	ND	11.00	100.00	500.00	11.00
tert-Butylbenzene	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	5.90	100.00	500.00	5.90
Tetrachloroethene	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	1.30	19.00	150.00	1.30
Toluene	<b>2.33</b> U	ND<0.128	<b>1.2</b>	ND	ND	ND	ND	0.70	100.00	500.00	0.70
trans-1,2-dichloroethene	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	0.19	100.00	500.00	0.19
trans-1,3-Dichloropropane	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	NA	NA	NA	NA
Trichloroethene	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	0.47	21.00	200.00	0.47
Trichloroflouromethane	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	NA	NA	NA	NA
Vinyl chloride	ND<1.48	ND<0.128	ND	ND	ND	ND	ND	0.02	0.90	13.00	0.02

Notes:

<sup>1</sup> Indicates sample collected from an area which a covers sytem was subsequently constructed

<sup>2</sup> Indicates post-injection sample location corresponds with prior sample location. Post injectoin data listed to indicate most current data avaiable at time of this SMP

Table 4.6.1B  
Former Breneman Site  
NYSDEC BCP Site C738046

Remaining SVOCs Above Unrestricted Use SCOs - Soil  
Results in Parts Per Million (ppm)

Sample ID	120413-TP3-05	120413-TP9-3	120413-TP11-10	120413-TP15-10	120513-SS-4	120613-SS-9	SB-08-10'-10.5'	SB-32	SB-35	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: Restricted Residential 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 Groundwater
Sample Location	TP-03 <sup>1,2</sup>	TP-09 <sup>2</sup>	TP-11 <sup>2</sup>	TP-15 <sup>4</sup>	SS-04 <sup>2</sup>	SS-09 <sup>2</sup>	SB-08	SB-32/SB-12 <sup>2,3</sup>	SB-35/SB-16 <sup>3</sup>				
Sample Depth	5'	3'	10'	10'	Surface	Surface	10-10.5'	12-14'	10-12'				
Sample Collection Date	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/5/2013	12/6/2013	4/28/2014	2/20/2019	2/20/2019				
1,1'-Biphenyl	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
2,4,5-Trichlorophenol	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<2.99	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
2,4,6-Trichlorophenol	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
2,4-Dichlorophenol	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
2,4-Dimethylphenol	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
2,4-Dinitrophenol	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<2.99	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
2,4-Dinitrotoluene	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
2,6-Dinitrotoluene	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
2-Chloronaphthalene	ND<0.394	ND<0.382	ND<0.395	ND<0.244	ND<0.395	ND<0.188	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
2-Chlorophenol	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
2-Methylnaphthalene	ND<0.394	ND<0.382	0.589	3.580	ND<0.395	0.233	ND<1.2	4.0 J	0.94	Not Listed	Not Listed	Not Listed	36.40
2-Methylphenol (o-Cresol)	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	0.33	100.00	500.00	0.33
2-Nitroaniline	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
2-Nitrophenol	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
3&4-Methylphenol (m&p-Cresol)	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	0.46 J	0.33	100.00	500.00	0.33
3,3'-Dichlorobenzidine	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
3-Nitroaniline	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<2.99	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
4,6-Dinitro-2-methylphenol	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<2.99	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
4-Bromophenyl-phenylether	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
4-Chloro-3-methylphenol	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
4-Chloroaniline	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
4-Chlorophenyl-phenylether	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
4-Nitroaniline	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<2.99	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
4-Nitrophenol	4.880 U	ND<0.764	ND<0.791	ND<0.489	ND<0.789	2.580 U	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	0.10
Acenaphthene	ND<0.394	ND<0.382	0.493	0.247	ND<0.395	ND<0.188	ND<1.2	ND	0.18 J	20.00	100.00	500.00	98.00
Acenaphthylene	1.020	ND<0.382	1.500	ND<0.244	ND<0.395	0.532	ND<1.2	ND	0.2 J	100.00	100.00	500.00	107.00
Acetophenone	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Anthracene	0.983	0.958	2.060	0.441	ND<0.395	0.724	ND<1.2	ND	0.54	100.00	100.00	500.00	1,000.00
Atrazine	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Benzaldehyde	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Benzo(a)anthracene	3.850	3.150	3.920	0.586	0.726	1.390	1.890	ND	1.6	1.00	1.00	5.60	1.00
Benzo(a)pyrene	3.860	2.740	3.650	0.414	0.913	1.120	1.560	ND	1.4	1.00	1.00	1.00	22.00
Benzo(b)fluoranthene	5.200	3.260	4.440	0.539	1.180	1.460	1.570	ND	1.9	1.00	1.00	5.60	1.70
Benzo(g,h,i)perylene	2.410	1.570	2.140	ND<0.244	0.661	0.584	ND<1.2	ND	0.81	100.00	100.00	500.00	1,000.00
Benzo(k)fluoranthene	2.190	1.470	2.000	ND<0.244	0.432	0.563	ND<1.2	ND	0.63	0.80	3.90	56.00	1.70
bis(2-chloroethoxy)methane	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Bis(2-chloroethyl)ether	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
bis(2-Chloroisopropyl)ether	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
bis(2-Ethylhexyl)Phthalate	1.540	ND<0.764	ND<0.791	41.300	ND<0.789	ND<0.375	3.250	21	3.8	Not Listed	Not Listed	Not Listed	435.00
Butylbenzylphthalate	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Caprolactam	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Carbazole	0.891	ND<0.382	1.060	ND<0.244	ND<0.395	ND<0.188	ND<1.2	ND	0.18 J	Not Listed	Not Listed	Not Listed	Not Listed
Chrysene	4.690	3.120	4.470	0.478 U	0.887	1.340	1.710	ND	1.5	1.00	3.90	56.00	1.00
Dibenz(a,h)anthracene	ND<0.394	ND<0.382	ND<0.395	ND<2.44	ND<0.395	ND<0.188	ND<1.2	ND	0.26 J	0.33	0.33	0.56	1,000.00
Dibenzofuran	ND<0.394	ND<0.382	1.010	0.267	ND<0.395	0.191	ND<1.2	ND	0.24 J	7.00	59.00	350.00	210.00
Diethylphthalate	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Dimethylphthalate	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Di-n-butylphthalate	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Di-n-octylphthalate	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Fluoranthene	9.270	5.830	14.200	1.530	1.420	2.190	2.860	ND	3.3	100.00	100.00	500.00	1,000.00
Fluorene	ND<0.394	ND<0.382	1.310	0.485	ND<0.395	0.202	ND<1.2	ND	0.39 J	30.00	100.00	500.00	386.00
Hexachlorobenzene	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	0.33	1.20	6.00	3.20
Hexachlorobutadiene	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Hexachlorocyclopentadiene	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Hexachloroethane	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Indeno[1,2,3-cd]pyrene	2.11	ND<0.382	1.870	ND<2.44	0.587	ND<0.188	ND<1.2	ND	0.97	0.50	0.50	5.60	8.20
Isophorone	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Naphthalene	ND<0.394	ND<0.382	0.978	6.490	ND<0.395	0.226	ND<1.2	21	1.4	12.00	100.00	500.00	12.00
Nitrobenzene	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
N-Nitroso-di-n-propylamine	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
N-Nitrosodiphenylamine	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Pentachlorophenol	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<2.99	ND	ND	0.80	6.70	6.70	0.80
Phenanthrene	6.620	3.500	13.900	1.830	0.622	1.800	ND<1.2	ND	2.1	100.00	100.00	500.00	1,000.00
Phenol	ND<0.788	ND<0.764	ND<0.791	ND<0.489	ND<0.789	ND<0.375	ND<1.2	ND	ND	0.33	100.00	500.00	0.33
Pyrene	8.370	5.980	9.270	1.420	1.370	2.070	2.100	ND	2.7	100.00	100.00	500.00	1,000.00

Notes:

<sup>1</sup> Indicates material was relocated after sample was collected

<sup>2</sup> Indicates sample collected from an area which a covers sytem was subsequently constructed

<sup>3</sup> Indicates post-injection sample location corresponds with prior sample location. Post injectoin data listed to indicate most current data avaiilable at time of this SMP

<sup>4</sup> Sample included due to 2-methylnaphthalene exceedence of CP-51: Soil Cleanup Guideline SCO dated October 2010. There is no Part 375 SCO for this compound



Table 4.6.1C (Page 1 of 2)  
Former Breneman Site  
NYSDEC BCP Site C738046

Remaining Metals above Unrestricted Use SCOs - Soil  
Results in Parts Per Million (ppm)

Sample ID	120413-TP3-05	120413-TP9-3	120413-TP11-10	120413-TP14-04	120413-TP15-10	120513-SS-1	120513-SS-2	120513-SS-3	120513-SS-4	120513-SS-5	120513-SS-6	120613-SS-11	120613-SS-12	120413-SB01-026	120413-SB02-046	120513-SB3C-11	SB-08-10'-10.5'	DUPE	SB-12-12'-13'	SB-14-7.5'-7.8'	SB-15-9.5'-11.2'	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: Restricted Residential 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 Groundwater
Sample Location	TP-3 <sup>1,2</sup>	TP-9 <sup>2</sup>	TP-11 <sup>2</sup>	TP-14	TP-15	SS-01	SS-02	SS-03 <sup>2</sup>	SS-04 <sup>2</sup>	SS-05 <sup>2</sup>	SS-06 <sup>2</sup>	SS-11	SS-12	SB-01 <sup>2</sup>	SB-02 <sup>2</sup>	SB-03C <sup>2</sup>	SB-08 <sup>2</sup>	SB-11 <sup>2</sup>	SB-12	SB-14	SB-15 <sup>2</sup>				
Sample Depth	5'	3'	10'	4'	10'	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	2-6'	4-6'	11'	10-10.5'	12.5'-13.3'	12'-13'	7.5'-7.8'	9.5'-11.2'				
Sample Collection Date	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/4/2013	12/5/2013	12/5/2013	12/5/2013	12/5/2013	12/5/2013	12/5/2013	12/6/2013	12/6/2013	12/4/2013	12/4/2013	12/5/2013	4/28/2014	4/28/2014	4/28/2014	4/28/2014	4/28/2014				
Aluminum	4660.00	6610.00	6910.00	9370.00	6800.00	5550.000	10800.000	12900.000	4430.000	7190.000	6300.000	4290.000	5010.000	4700.00	5810.00	5770.000	4780.000	7100.000	4660.000	7290.000	4500.000	Not Listed	Not Listed	Not Listed	Not Listed
Antimony	1.66	5.27	ND<0.572	ND<0.608	52.70	0.837	1.230	2.180	0.634	0.999	ND<0.684	ND<0.705	ND<0.564	2.59	ND<0.546	10.200	14.200	4.660	12.100	22.100	ND<0.537	Not Listed	Not Listed	Not Listed	Not Listed
Arsenic	2.45	6.49	4.43	5.54	4.25	4.490	4.160	4.220	2.670	2.560	3.670	2.560	2.390	3.21	2.39	4.480	5.560	2.210	3.090	3.660	3.760	13.0	16.00	16.00	16.00
Barium	360.00	2260.00	66.50	78.60	1510.00	69.600	241.000	169.000	242.000	264.000	80.100	54.800	134.000	248.00	1090.00	3910.000	1950.000	87.800	360.000	4020.000	106.000	350.0	400.00	400.00	820.00
Beryllium	ND<0.484	ND<2.37	ND<0.458	ND<0.486	ND<1.21	ND<0.548	ND<0.532	0.778	ND<0.477	ND<0.495	ND<0.547	ND<0.564	ND<0.451	ND<0.444	ND<0.437	ND<0.445	ND<0.523	ND<0.448	ND<1.12	ND<0.476	ND<0.430	7.2	72.00	590.00	47.00
Cadmium	0.594	ND<2.37	0.531	ND<0.486	3.63	ND<0.548	ND<0.532	ND<0.548	ND<0.477	ND<0.495	ND<0.547	ND<0.564	ND<0.451	0.45	ND<0.437	1.430	ND<0.523	ND<0.448	21.800	1.210	ND<0.430	2.5	4.30	9.30	7.50
Calcium	33200.00	23900.00	16400.00	4150.00	92500.00	10900.000	7560.000	6700.000	18200.000	22400.000	31500.000	13200.000	12600.000	28700.00	14900.00	18200.000	13600.000	7190.000	92700.000	22700.000	9360.000	Not Listed	Not Listed	Not Listed	Not Listed
Chromium	11.00	117.00	11.00	12.50	1380.00	13.800	19.100	20.600	9.560	21.600	10.900	8.510	7.000	19.20	9.58	377.000	187.000	16.500	385.000	201.000	9.250	30.0	110.00	400.00	19.00
Cobalt	2.44	ND<2.97	4.85	6.82	52.30	5.470	5.960	7.300	3.120	3.790	3.890	3.330	3.650	2.71	2.92	2.000	7.600	4.700	25.300	7.060	4.780	Not Listed	Not Listed	Not Listed	Not Listed
Copper	16.90	34.30	35.10	43.70	80.30	37.700	22.400	27.900	19.000	22.500	26.100	20.100	21.700	16.00	21.30	34.800	20.700	36.700	38.000	70.400	20.500	50.0	270.00	270.00	1,720.00
Cyanide	ND	10.90	ND	ND	684.00	ND	ND	ND	ND	ND	ND	ND	ND	7.90	ND	20.000	NA	NA	NA	NA	NA	27.0	27.00	27.00	40.00
Iron	9030.00	17300.00	22200.00	15300.00	15700.00	12500.000	16300.000	19200.000	10300.000	15200.000	11700.000	9710.000	11000.000	8320.00	12700.00	13700.000	19200.000	14100.000	16700.000	15400.000	17200.000	Not Listed	Not Listed	Not Listed	Not Listed
Lead	327.00	9020.00	102.00	157.00	7700.00	287.000	199.000	92.600	179.000	156.000	130.000	137.000	43.600	271.00	325.00	4050.00	4130.000	86.000	2050.000	1170.000	76.100	63.0	400.00	1,000.00	450.00
Magnesium	3870.00	4460.00	5990.00	2500.00	4600.00	3780.000	4180.000	4150.000	4240.000	6760.000	6400.000	5340.000	4250.000	4470.00	4750.00	5220.000	3350.000	3230.000	3040.000	3300.000	2860.000	Not Listed	Not Listed	Not Listed	Not Listed
Manganese	280.00	531.00	570.00	754.00	161.00	390.000	510.000	486.000	419.000	437.000	444.000	341.000	580.000	272.00	472.00	202.000	292.000	303.000	138.000	151.000	239.000	1,600.0	2,000.00	10,000.00	2,000.00
Mercury	0.387	13.10	0.191	0.372	0.972	1.190	0.999	0.198	0.503	0.349	0.371	0.600	0.238	0.256	0.0706	6.47	6.220	0.234	ND<0.0551	0.466	0.254	0.18	0.81	2.80	0.73
Nickel	6.99	11.40	10.90	12.80	18.60	12.900	13.700	18.500	8.370	9.570	10.100	7.710	8.720	6.37	9.77	10.600	11.600	10.800	11.300	13.900	11.8.	30.0	310.00	310.00	130.00
Potassium	551.00	839.00	695.00	772.00	1030.00	1060.000	1300.000	1510.000	639.000	996.000	1270.000	896.000	729.000	616.00	711.00	751.000	682.000	835.000	740.000	862.000	668.000	Not Listed	Not Listed	Not Listed	Not Listed
Selenium	ND<1.21	ND<5.94	ND<1.14	1.30	ND<3.02	ND<1.37	ND<1.33	ND<1.37	ND<1.19	ND<1.24	ND<1.37	ND<1.41	ND<1.13	ND<1.11	ND<1.09	ND<1.11	ND<1.31	ND<1.12	ND<2.81	ND<1.19	ND<1.07	3.9	180.00	1,500.00	4.00
Silver	ND<0.846	ND<4.16	ND<0.801	ND<0.851	ND<2.11	ND<0.958	ND<0.931	ND<0.959	ND<0.835	ND<0.866	ND<0.957	ND<0.988	ND<0.789	ND<0.777	ND<0.764	ND<0.779	ND<0.916	ND<0.783	ND<1.96	ND<0.833	ND<0.752	2.0	180.00	1,500.00	8.30
Sodium	276.00	ND<297	131.00	ND<60.8	507.00	ND<68.5	123.000	71.500	86.600	180.000	72.300	ND<70.5	ND<56.4	360.00	123.00	267.000	151.000	89.600	565.000	263.000	69.400	Not Listed	Not Listed	Not Listed	Not Listed
Thallium	ND<1.21	ND<5.94	ND<1.14	ND<1.22	ND<3.02	ND<1.37	ND<1.33	ND<1.37	ND<1.19	ND<1.24	ND<1.37	ND<1.41	ND<1.13	ND<1.11	ND<1.09	ND<1.11	ND<0.654	ND<1.12	ND<1.4	ND<1.19	ND<1.07	Not Listed	Not Listed	Not Listed	Not Listed
Vanadium	19.70	17.80	14.80	18.70	15.20	16.300	23.200	23.000	14.000	15.700	15.300	11.000	10.600	13.50	12.50	11.100	10.400	12.200	16.900	13.300	13.200	Not Listed	Not Listed	Not Listed	Not Listed
Zinc	163.00	672.00	148.00	81.80	978.00	95.400	126.000	111.000	122.000	109.000	132.000	76.300	85.700	150.00	518.00	4460.000	628.000	38.800	3410.000	2320.000	48.300	109.0	10,000.00	10,000.00	2,480.00

Notes:

<sup>1</sup> Indicates material was relocated after sample was collected

<sup>2</sup> Indicates sample collected from an area which a covers sytem was subsequently constructed

Table 4.6.1C (Page 2 of 2)  
Former Breneman Site  
NYSDEC BCP Site C738046

Remaining Metals above Unrestricted Use SCOs - Soil  
Results in Parts Per Million (ppm)

Sample ID	S-01	S-01	S-02	S-02	S-03	S-03	S-04	S-04	S-05	S-05	S-06	S-06	S-07	S-07	S-08	S-08	S-09	S-09	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: Restricted Residential 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 Groundwater
Sample Location	S-01	S-01	S-02	S-02	S-03	S-03	S-04	S-04	S-05	S-05	S-06	S-06	S-07	S-07	S-08	S-08	S-09	S-09				
Sample Depth	0-2"	2-12"	0-2"	2-12"	0-2"	2-12"	0-2"	2-12"	0-2"	2-12"	0-2"	2-12"	0-2"	2-12"	0-2"	2-12"	0-2"	2-12"				
Sample Collection Date	4/22/20	4/22/20	4/22/20	4/22/20	4/22/20	4/22/20	4/22/20	4/22/20	4/22/20	4/22/20	4/22/20	4/22/20	5/4/20	5/4/20	5/4/20	5/4/20	5/4/20	5/4/20				
Aluminum	6110	6170	4460	5880	1860	4980	7220	5530	4100	5810	5490	4400	4480	4620	6030	5200	3970	4770	Not Listed	Not Listed	Not Listed	Not Listed
Antimony	2.62 J	2.7 J	1.62 J	0.692 J	4.3 J	35.6	1.26 J	1.69 J	1.42 J	1.27 J	ND	ND	12.5	22.7	11	21.9	9.33	5.02 J	Not Listed	Not Listed	Not Listed	Not Listed
Arsenic	4.18	3.87	4.19	3.23	9.19	21.3	4.44	3.01	3.06	4.19	4.13	3.33	3.62	6.12	4.63	4.55	7.85	7.72	13.0	16.00	16.00	16.00
Barium	131	127	275	113	1850	2060	120	94	84.4	82.7	37	31.7	122	361	116	93.2	108	125	350.0	400.00	400.00	820.00
Beryllium	0.301	0.318 J	0.223 J	0.246 J	0.074 J	0.51 J	0.352 J	0.261 J	0.176 J	0.26 J	0.28 J	0.212 J	0.249 J	0.288 J	0.338 J	0.291 J	0.263 J	0.359 J	7.2	72.00	590.00	47.00
Cadmium	ND	ND	ND	ND	1.09 J	8.02	0.186 J	ND	ND	ND	ND	ND	0.354 J	0.664 J	0.405 J	0.391 J	0.158 J	0.211 J	2.5	4.30	9.30	7.50
Calcium	13200	10000	14300	11200	103000	21200	10800	9290	39400	19900	12600	10300	3610	4610	2240	2290	4550	5370	Not Listed	Not Listed	Not Listed	Not Listed
Chromium	11.5	11.5	22.3	12.9	305	2120	13.4	13	16.1	13	8.89	6.62	13.1	35.2	13.3	12.6	14.6	16.9	30.0	110.00	400.00	19.00
Cobalt	4.3	4.48	4.04	4.99	1.94 J	4.25	5.18	4.42	3.5	4.6	4.65	3.89	3.71	3.98	5.18	4.17	3.55	4.13	Not Listed	Not Listed	Not Listed	Not Listed
Copper	21.7	17.1	27.4	25.3	18.2	61.2	25.2	23.7	21	32	24.5	22.2	29.4	53.2	32.5	32.1	30.6	34.6	50.0	270.00	270.00	1,720.00
Cyanide	ND	ND	0.41	ND	71	83	ND	ND	0.77	11	ND	ND	ND	1.2	ND	ND	ND	0.34	27.0	27.00	27.00	40.00
Iron	11800	11400	11800	13600	5660	14700	13700	12000	9360	13700	13200	10200	9540	10900	13300	11500	9640	11100	Not Listed	Not Listed	Not Listed	Not Listed
Lead	108	105	467	145	9840	57400	107	110	88.4	68.8	19.6	15	213	917	156	164	249	256	63.0	400.00	1,000.00	450.00
Magnesium	3530	3020	4030	4690	7880	3760	3500	3920	6480	4890	4600	3820	2040	2030	2500	2160	2310	2420	Not Listed	Not Listed	Not Listed	Not Listed
Manganese	488	381	692	548	226	539	423	372	371	459	489	381	288	364	515	342	339	352	1,600.0	2,000.00	10,000.00	2,000.00
Mercury	0.565	0.373	3.95	3.12	146	434	0.452	0.254	0.116	0.154	ND	ND	1.88	7.85	2.38	1.55	1.11	1.24	0.18	0.81	2.80	0.73
Nickel	9.39	9.48	8.54	12.3	8.87	20.3	11.1	9.88	7.45	9.55	9.8	7.93	8.86	11.4	11.8	10.4	8.83	10.2	30.0	310.00	310.00	130.00
Potassium	575	557	557	444	315	787	527	352	456	425	522	364	542	440	586	484	539	789	Not Listed	Not Listed	Not Listed	Not Listed
Selenium	ND	ND	ND	ND	0.834 J	1.66 J	ND	ND	ND	ND	ND	ND	0.44 J	0.506 J	ND	ND	ND	ND	3.9	180.00	1,500.00	4.00
Silver	ND	ND	ND	ND	ND	0.674 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND J	2.0	180.00	1,500.00	8.30
Sodium	90.2	83.7 J	61.5 J	30.1 J	146 J	197 J	128 J	129 J	78.3 J	64.6 J	43 J	35.1 J	38.2 J	36.3 J	31.8 J	29.3 J	59.2 J	82.8	Not Listed	Not Listed	Not Listed	Not Listed
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Listed	Not Listed	Not Listed	Not Listed
Vanadium	14.2	13.5	11.1	13.5	8.34	28.3	14.6	11	8.86	12.9	11.8	9.58	11.2	15.1	14.2	13	13.7	15.9	Not Listed	Not Listed	Not Listed	Not Listed
Zinc	73.4	75.5	109	59.8	705	4570	74.9	64.1	63.1	57.8	44	33.2	110	279	107	107	137	169	109.0	10,000.00	10,000.00	2,480.00

Notes:  
<sup>1</sup> Indicates material was relocated after sample was collected  
<sup>2</sup> Indicates sample collected from an area which a covers sytem was subsequently constructed

**Table 4.61D**  
**Former Breneman Site**  
**NYSDEC BCP Site C738046**

**Remaining PCBs Above Unrestricted Use SCOs - Soil**  
**Results in Parts Per Million (ppm)**

Sample ID	120413-TP9-3	120413-TP15-10	120513-SS-4	120513-SS-5	SB-12-12'-13'	SB-14-7.5'-7.8'	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: Restricted Residential 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 Groundwater
Sample Location	TP-9 <sup>2</sup>	TP-15	SS-04 <sup>2</sup>	SS-05 <sup>2</sup>	SB-12	SB-14				
Sample Depth	3'	10'	Surface	Surface	12'-13'	7.5'-7.8'				
Sample Collection Date	12/4/2013	12/4/2013	12/5/2013	12/5/2013	4/28/2014	4/28/2014				
Aroclor 1016	ND<0.0580	ND<0.0698	ND<0.0577	ND<0.0620	ND<0.0659	ND<0.0580	NA	NA	NA	NA
Aroclor 1221	ND<0.0580	ND<0.0698	ND<0.0577	ND<0.0620	ND<0.0659	ND<0.0580	NA	NA	NA	NA
Aroclor 1232	ND<0.0580	ND<0.0698	ND<0.0577	ND<0.0620	ND<0.0659	ND<0.0580	NA	NA	NA	NA
Aroclor 1242	ND<0.0580	ND<0.0698	ND<0.0577	ND<0.0620	ND<0.0659	ND<0.0580	NA	NA	NA	NA
Aroclor 1248	ND<0.0580	ND<0.0698	ND<0.0577	ND<0.0620	ND<0.0659	ND<0.0580	NA	NA	NA	NA
Aroclor 1254	ND<0.0580	<b>0.429</b>	ND<0.0577	ND<0.0620	<b>1.770</b>	<b>0.518</b>	NA	NA	NA	NA
Aroclor 1260	<b>0.306</b>	ND<0.0698	<b>0.969</b>	<b>2.000</b>	ND<0.0659	ND<0.0580	NA	NA	NA	NA
<b>Total PCBs</b>	<b>0.306</b>	<b>0.429</b>	<b>0.969</b>	<b>2.000</b>	<b>1.770</b>	<b>0.518</b>	0.100	1.000	1.00	3.20

Notes:

<sup>1</sup> Indicates material was relocated after sample was collected

<sup>2</sup> Indicates sample collected from an area which a covers sytem was subsequently constructed

**Table 4.6.1E**  
**Former Breneman Site**  
**NYSDEC Brownfield Cleanup Program Remedial Investigation**  
**NYSDEC BCP Site C738046**

**Remaining Pesticides above Unrestricted Use SCOs - Soil**  
**Results in Parts Per Million (ppm)**

Sample ID	120413-TP9-3	120413-TP15-10	120513-SS-4	120513-SS-5	120513-SS-5A	120513-SS-6	120513-SS-7	SB-12-12'-13'	SB-14-7.5'-7.8'	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: Restricted Residential 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 Groundwater
Sample Location	TP-9 <sup>2</sup>	TP-15	SS-04 <sup>2</sup>	SS-05 <sup>2</sup>	Duplicate	SS-06 <sup>2</sup>	SS-07 <sup>2</sup>	SB-12	SB-14				
Sample Depth	3'	10'	Surface	Surface		Surface	Surface	12'-13'	7.5'-7.8'				
Sample Collection Date	12/4/2013	12/4/2013	12/5/2013	12/5/2013	12/5/2013	12/5/2013	12/5/2013	4/28/2014	4/28/2014				
Aldrin	ND<0.00290	ND<0.00364	ND<0.00292	ND<0.00303	ND<0.00319	ND<0.00351	ND<0.00318	ND<0.00339	ND<0.00297	0.005	0.097	0.68	0.19
alpha-Chlordane	ND<0.00290	ND<0.00364	ND<0.00292	ND<0.00303	ND<0.00319	ND<0.00351	ND<0.00318	ND<0.00339	ND<0.00297	0.094	4.200	24.00	2.90
alpha-BHC	ND<0.00290	ND<0.00364	ND<0.00292	ND<0.00303	ND<0.00319	ND<0.00351	ND<0.00318	ND<0.00339	ND<0.00297	0.020	0.480	3.40	0.02
beta-BHC	ND<0.00290	ND<0.00364	ND<0.00292	ND<0.00303	ND<0.00319	ND<0.00351	ND<0.00318	ND<0.00339	ND<0.00297	0.036	0.360	3.00	0.09
Chlordane	ND<0.145	ND<0.182	ND<0.148	ND<0.151	ND<0.159	ND<0.175	ND<0.159	ND<0.170	ND<0.149	0.094	4.200	24.00	2.90
delta-BHC	ND<0.00290	ND<0.00364	ND<0.00292	ND<0.00303	ND<0.00319	ND<0.00351	ND<0.00318	ND<0.00339	ND<0.00297	0.040	100.000	500.00	0.25
Dieldrin	ND<0.00290	ND<0.00364	ND<0.00292	ND<0.00303	ND<0.00319	ND<0.00351	ND<0.00318	ND<0.00339	ND<0.00297	0.005	0.200	1.40	0.10
Endosulfan I	ND<0.00290	ND<0.00364	ND<0.00292	ND<0.00303	ND<0.00319	ND<0.00351	ND<0.00318	ND<0.00339	ND<0.00297	2.400	24.000	200.00	102.00
Endosulfan II	0.01210	0.00402	0.0188	0.0282	0.0104	ND<0.00351	ND<0.00318	ND<0.00339	ND<0.00297	2.400	24.000	200.00	102.00
Endosulfan Sulfate	ND<0.00290	ND<0.00364	ND<0.00292	ND<0.00303	ND<0.00319	ND<0.00351	ND<0.00318	ND<0.00339	ND<0.00297	2.400	24.000	200.00	1000.00
Endrin	ND<0.00290	ND<0.00364	ND<0.00292	ND<0.00303	ND<0.00319	ND<0.00351	ND<0.00318	ND<0.00339	ND<0.00297	0.014	11.000	89.00	0.06
Endrin Aldehyde	ND<0.00290	ND<0.00364	ND<0.00292	ND<0.00303	ND<0.00319	ND<0.00351	ND<0.00318	ND<0.00339	ND<0.00297	Not Listed	Not Listed	Not Listed	Not Listed
Endrin Ketone	0.00711	ND<0.00364	ND<0.00292	ND<0.00303	ND<0.00319	ND<0.00351	ND<0.00318	ND<0.00339	ND<0.00297	Not Listed	Not Listed	Not Listed	Not Listed
gamma-Chlordane	ND<0.00290	ND<0.00364	ND<0.00292	ND<0.00303	ND<0.00319	ND<0.00351	ND<0.00318	ND<0.00339	ND<0.00297	Not Listed	Not Listed	Not Listed	Not Listed
gamma-BHC (Lindane)	ND<0.00290	ND<0.00364	ND<0.00292	ND<0.00303	ND<0.00319	ND<0.00351	ND<0.00318	ND<0.00339	ND<0.00297	0.100	1.300	9.20	0.10
Heptachlor	ND<0.00290	ND<0.00364	ND<0.00292	ND<0.00303	ND<0.00319	ND<0.00351	ND<0.00318	ND<0.00339	ND<0.00297	0.042	2.100	15.00	0.38
Heptachlor Epoxide	ND<0.00290	ND<0.00364	ND<0.00292	ND<0.00303	ND<0.00319	ND<0.00351	ND<0.00318	ND<0.00339	ND<0.00297	Not Listed	Not Listed	Not Listed	Not Listed
Hexachlorobenzene	ND<0.00290	ND<0.00364	ND<0.00292	ND<0.00303	ND<0.00319	ND<0.00351	ND<0.00318	ND<0.00339	ND<0.00297	Not Listed	Not Listed	Not Listed	Not Listed
Methoxychlor	ND<0.00290	ND<0.00364	ND<0.00292	ND<0.00303	ND<0.00319	ND<0.00351	ND<0.00318	ND<0.00339	ND<0.00297	Not Listed	Not Listed	Not Listed	Not Listed
4,4'-DDD	ND<0.00290	<b>0.0379</b>	ND<0.00292	ND<0.00303	ND<0.00319	ND<0.00351	ND<0.00318	<b>0.0197</b>	<b>0.0172</b>	0.003	13.000	92.00	14.00
4,4'-DDE	ND<0.00290	<b>0.0216</b>	ND<0.00292	ND<0.00303	ND<0.00319	<b>0.00574</b>	<b>0.0167</b>	<b>0.0202</b>	<b>0.0148</b>	0.003	8.900	62.00	17.00
4,4'-DDT	<b>0.00695</b>	ND<0.00364	<b>0.00694</b>	<b>0.0130</b>	<b>0.00753</b>	<b>0.00561</b>	<b>0.0176</b>	ND<0.00339	ND<0.00297	0.003	7.900	47.00	136.00
Toxaphene	ND<0.290	ND<0.364	ND<0.292	ND<0.303	ND<0.319	ND<0.351	ND<0.318	ND<0.339	ND<0.297	Not Listed	Not Listed	Not Listed	Not Listed
<b>Total Pesticides</b>	<b>0.0262</b>	<b>0.06352</b>	<b>0.02574</b>	<b>0.0412</b>	<b>0.0179</b>	<b>0.01135</b>	<b>0.0343</b>	<b>0.0399</b>	<b>0.0320</b>				

Notes:

<sup>1</sup> Indicates material was relocated after sample was collected

<sup>2</sup> Indicates sample collected from an area which a covers sytem was subsequently constructed

Table 4.6.2A  
Former Breneman Site  
NYSDEC Brownfield Cleanup Program  
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		MW-5	MW-6		MW-7	NYSDEC Part 703/TOGS 1.1.1 Groundwater Standards
Sample Collection Date	1/11/2014	4/26/2014	12/16/2019	1/11/2014	4/26/2014	2/21/2019	12/16/2019	Duplicate	1/12/2014	Duplicate	4/27/2014	Duplicate	2/21/2019	12/16/2019	1/12/2014	4/26/2014	2/21/2019	2/21/2019	GW DUPE	2/21/2019	
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.00
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.04
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.00
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.14 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.60
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.00
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.00
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.00
2-Butanone	ND	ND	ND	6.76	ND	ND	ND	ND	23.0	21.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50.00
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50.00
4-Methyl-2-pentanone	ND	ND	ND	26.1	ND	ND	ND	ND	24.6 U	20.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Acetone	ND	ND	ND	ND	ND	9.6	6.2	16.0	ND	ND	ND	ND	27.0	1.9 J	ND	ND	8.6	55.0 J	60.0 J	22.0	50.00
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	87.0	86.0	1.0 J	1.00
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50.00
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50.00
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
Carbon disulfide	ND	ND	ND	ND	ND	3.1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	60.00
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.00
Chloromethane	ND	ND	ND	ND	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
cis-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
cis-1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Cyclohexane	ND	ND	ND	8.0	2.06	ND	ND	ND	18.8	16.5	11.2	11.5	5.0 J	ND	ND	ND	ND	86.0 J	87.0	72.0	NA
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50.00
Dichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
Ethylbenzene	ND	ND	ND	41.4	11.1	ND	ND	ND	11.4	9.1	1.2	1.1	ND	ND	ND	ND	ND	1400.0	1300.0	ND	5.00
Isopropylbenzene	ND	ND	ND	16.0	4.86	ND	ND	ND	28.0	24.7	5.71	5.1	4.3	ND	ND	ND	ND	84.0	83.0	45.0	5.00
m,p-Xylene	ND	ND	ND	ND	2.62	ND	ND	ND	ND	ND	4.8	4.5	0.8 J	ND	ND	ND	ND	5800.0	5700.0	4.5 J	5.00
Methyl acetate	ND	ND	ND	ND	ND	ND	0.58 J	0.31 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.00
Methyl tert-butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.00
Methylcyclohexane	ND	ND	ND	128.0	72.50	ND	ND	ND	127.0	127.0	43.1	43.9	37.0	0.6	ND	ND	ND	370.0	350.0	280.0	NA
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
o-Xylene	ND	ND	ND	21.4	ND	ND	ND	ND	147.0	121.0	ND	ND	ND	ND	1.18	ND	ND	590.0	580.0	ND	5.00
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26.0 J	ND	ND	ND	ND	28.0	26.0 J	ND	5.00
trans-1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
trans-1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
Trichloroflouromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.00

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

**Table 4.6.2B**  
**Former Breneman Site**  
**NYSDEC Brownfield Cleanup Program**  
**NYSDEC BCP Site C738046**

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

Sample ID	MW-1		MW-2			MW-3					MW-4		MW-5	MW-6		MW-7	NYSDEC Part 703/ TOGS 1.1.1 Groundwater Standards	
Sample Collection Date	1/11/2014	4/26/2014	1/11/2014	4/26/2014	2/21/2019	1/12/2014	Duplicate	4/27/2014	Duplicate	2/21/2019	1/12/2014	4/27/2014	2/21/2019	2/21/2019	GW DUPE	2/21/2019		
mi-Volatile Organic Compounds																		
1,1'Biphenyl	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00	
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.00	
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.00	
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.00	
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.00	
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.8	ND	2.00	
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00	
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00	
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.00	
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.00	
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05 J	ND	7.2	1.1	8.4	N/A	
2-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.00	
2-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00	
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.00	
3&4-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4 J	31	1.9 J	2.00	
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00	
3-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00	
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.00	
4-Bromophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.00	
4-Chloroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00	
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	
4-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00	
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.00	
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1 J	ND	ND	ND	12	0.36	14	20.00	
Acenaphthylene	ND	ND	ND	ND	0.03 J	ND	ND	ND	ND	ND	ND	ND	0.15 J	1.6	ND	2.1	N/A	
Acetophenone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Listed	
Anthracene	ND	ND	ND	ND	0.03 J	ND	ND	ND	ND	0.05 J	ND	ND	0.11 J	17	0.31	23	50.00	
Atrazine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.50	
Benzaldehyde	ND	ND	ND	ND	ND	16.4 U	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Listed	
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.46	18	0.5	26	0.002	
Benzo(a)pyrene	ND	ND	ND	ND	0.07 J	ND	ND	ND	ND	ND	ND	ND	0.45	14	0.4	18	ND	
Benzo(b)fluoranthene	ND	ND	ND	ND	0.06 J	ND	ND	ND	ND	ND	ND	ND	0.39	10	0.36	14	0.002	
Benzo(g,h,i)perylene	ND	ND	ND	ND	0.04 J	ND	ND	ND	ND	ND	ND	ND	0.33	7.8	0.31	10	N/A	
Benzo(k)fluoranthene	ND	ND	ND	ND	0.05 J	ND	ND	ND	ND	ND	ND	ND	0.39	11	0.37	ND	0.002	
bis(2-chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00	
Bis(2-chloroethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.00	
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00	
bis(2-Ethylhexyl)Phthalate	ND	ND	ND	ND	5.0 J	ND	ND	ND	ND	ND	ND	ND	5.5 J	6.8	6.7	8.9	5.00	
Butylbenzylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.1 J	6.3 J	5.8 J	50.00	
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.4	ND	9.1	N/A	
Chrysene	ND	ND	ND	ND	0.07 J	ND	ND	ND	ND	ND	ND	ND	0.41	17	0.48	24	0.002	
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.12 J	3	0.12 J	4.1	N/A	
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.9	ND	9.6	Not listed	
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50.00	
Dimethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50.00	
Di-n-butylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50.00	
Di-n-octylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50.00	
Fluoranthene	ND	ND	ND	ND	0.16 J	ND	ND	ND	ND	0.1 J	ND	ND	0.6	39	1.1	52	50.00	
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05 J	ND	ND	ND	13	0.44	17	50.00	
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05 J	ND	ND	ND	ND	ND	ND	0.04	
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.50	
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00	
Hexachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.00	
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.33	ND	0.29	11	0.002
Isophorone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50.00	
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.27	ND	ND	ND	24	14	27	10.00	
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.40	
N-Nitroso-di-n-propylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50.00	
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.00	
Phenanthrene	ND	ND	ND	ND	0.07 J	ND	ND	ND	ND	0.05 J	ND	ND	0.33	50	1.2	67	50.00	
Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6 J	1.4 J	9.7 J	1.4 J	2.00	
Pyrene	ND	ND	ND	ND	0.16 J	ND	ND	ND	ND	0.05 J	J	ND	0.68	33	0.97	45	50.00	

NA = Not Applicable or Not Available

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



**Table 4.6.2C**  
**Former Breneman Site**  
**NYSDEC BCP Site C738046**

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

Sample ID	MW-1		MW-2		MW-3				MW-4		NYSDEC Part 703/TOGS 1.1.1 Groundwater Standards
Sample Collection Date	1/11/14	4/26/2014	1/11/14	4/26/2014	1/12/14	Duplicate	4/27/2014	Duplicate	1/12/14	4/27/2014	
TAL Metals											
Aluminum	1.66	4.9	7.66	12.4	1.43	0.519	0.065	4.90	2.07	0.165	NA
Antimony	ND	ND	0.00977	0.007	0.05	0.0482	0.062	ND	ND	ND	0.003
Arsenic	ND	0.0058	0.00524	ND	ND	ND	ND	0.00582	ND	ND	0.025
Barium	0.0391	0.0499	0.313	0.28	0.52	0.376	0.271	0.050	0.08	0.206	1.0
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005
Calcium	96.4	83.8	152	132	180	180	168	83.80	162	232	Not Listed
Chromium	0.0051	0.0095	0.0449	0.044	0.02	0.00668	ND	0.0095	0.00706	ND	0.05
Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Listed
Copper	0.0064	0.0096	0.0416	0.037	0.01	0.00504	0.005	0.0096	0.0109	ND	0.2
Iron	2.68	6.27	16.7	15.2	4.53	3.1	0.757	6.27	3.55	0.195	0.3
Lead	0.0052	ND	0.243	0.238	0.133	0.0443	0.006	ND	ND	ND	0.025
Magnesium	37.8	28.5	46.3	41.2	37.00	36.7	35.2	28.50	23.1	32.1	35.0
Manganese	0.308	0.256	1.95	1.69	0.94	0.903	0.654	0.26	0.748	0.018	0.3
Mercury	ND	ND	0.000237	0.000463	0.000268	ND	ND	0.000298	ND	ND	0.0007
Nickel	0.005	0.0062	0.01	0.011	ND	ND	ND	0.0062	0.0089	ND	0.1
Potassium	18.7	13.2	11.6	11.7	10.9	10.7	10.5	13.20	8.68	10.8	Not Listed
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Sodium	205	101	272	207	347	350	326	101.00	355	1210	20.0
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0005
Vanadium	ND	0.0074	0.0125	0.019	ND	ND	ND	0.0074	ND	ND	Not Listed
Zinc	0.0109	0.0155	0.0666	0.063	0.104	0.04	0.042	0.0155	0.0156	ND	2.0

NA = Not Applicable or Not Available

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

**Table 4.6.2D**  
**Former Breneman Site**  
**NYSDEC BCP Site C738046**

**Summary of 1,4-Dioxane and PFAS in Groundwater Samples**  
**Results in Parts Per Trillion (ppt)**

Sample ID	MW-1		MW-2		MW-3		NYSDEC Guidance Value
Sample Collection Date	12/16/19		12/16/19		12/16/19		
Compound							
1,4-Dioxane	ND		ND		ND		1 ug/L
PFAS							
Perfluorobutanoic Acid (PFBA)	3.0		2.59		2.76		10 ng/L
Perfluoropentanoic Acid (PFPeA)	ND		1.58	J	1.57	J	10 ng/L
Perfluorobutanesulfonic Acid (PFBS)	2.0		1.45	J	1.80		10 ng/L
Perfluorohexanoic Acid (PFHxA)	0.858	J	1.26	J	1.24	J	10 ng/L
Perfluoroheptanoic Acid (PFHpA)	0.291	J	0.595	J	0.637	J	10 ng/L
Perfluorohexanesulfonic Acid (PFHxS)	ND		1.57	J	1.64	J	10 ng/L
Perfluorooctanoic Acid (PFOA)	1.16	J	3.66		3.55		10 ng/L
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ND		ND		10 ng/L
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ND		ND		10 ng/L
Perfluorononanoic Acid (PFNA)	ND		ND		0.299	J	10 ng/L
Perfluorooctanesulfonic Acid (PFOS)	1.37	J	17.6		18.4		10 ng/L
Perfluorodecanoic Acid (PFDA)	ND		ND		ND		10 ng/L
1H,1H,2H,2H-Perfluorodecenesulfonic Acid (8:2FTS)	ND		ND		ND		10 ng/L
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ND		0.595	J	10 ng/L
Perfluoroundecanoic Acid (PFUnA)	ND		ND		ND		10 ng/L
Perfluorodecenesulfonic Acid (PFDS)	ND		ND		ND		10 ng/L
Perfluorooctanesulfonamide (FOSA)	ND		ND		ND		10 ng/L
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ND		ND		10 ng/L
Perfluorododecanoic Acid (PFDoA)	ND		ND		ND		10 ng/L
Perfluorotridecanoic Acid (PFTTrDA)	ND		ND		ND		10 ng/L
Perfluorotetradecanoic Acid (PFTA)	ND		ND		ND		10 ng/L
Total PFAS	8.679		30.305		32.491		500 ng/L

NA = Not Applicable or Not Available

**Bold** type indicates a concentration above the NYSDEC Guidance Value

**Table 4.7A**  
**Former Breneman Site**  
**8 East Utica Street**  
**Summary of VOCs in Soil**  
**LaBella Project #2190490**

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Restricted Residential Use SCOs	NYCRR Part 375 Commercial Use SCOs	VOC-1		VOC-2		VOC-3		VOC-4	
Sample Depth (ft bgs)				2-12"		2-12"		2-12"		2-12"	
Sample Date				11/29/2018		11/29/2018		11/29/2018		11/29/2018	
				Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
<b>Volatile organic compounds</b>											
1,1,1-Trichloroethane	0.68	100	500	ND		ND		ND		ND	
1,1,2,2-Tetrachloroethane	NL	NL	NL	ND		ND		ND		ND	
1,1,2-Trichloroethane	NL	NL	NL	ND		ND		ND		ND	
1,1,2-Trichlorotrifluoroethane (freon 113)	NL	NL	NL	ND		ND		ND		ND	
1,1-Dichloroethane	0.27	26	240	ND		ND		ND		ND	
1,1-Dichloroethene	0.33	100	500	ND		ND		ND		ND	
1,2,4-Trichlorobenzene	NL	NL	NL	ND		ND		ND		ND	
1,2,4-Trimethylbenzene	3.6	52	190	ND		ND		ND		ND	
1,2-Dibromo-3-Chloropropane	NL	NL	NL	ND		ND		ND		ND	
1,2-Dibromoethane	NL	NL	NL	ND		ND		ND		ND	
1,2-Dichlorobenzene	1.1	100	500	ND		ND		ND		ND	
1,2-Dichloroethane	0.02	3.1	30	ND		ND		ND		ND	
1,2-Dichloropropane	NL	NL	NL	ND		ND		ND		ND	
1,3,5-Trimethylbenzene	8.4	52	190	ND		ND		ND		ND	
1,3-Dichlorobenzene	2.4	49	280	ND		ND		ND		ND	
1,4-Dichlorobenzene	1.8	13	130	ND		ND		ND		ND	
2-Hexanone	NL	NL	NL	ND		ND		ND		ND	
4-Methyl-2-Pentanone (MIBK)	NL	NL	NL	ND		ND		ND		ND	
Acetone	0.05	100	500	ND		ND		ND		ND	
Benzene	0.06	4.8	44	ND		ND		ND		ND	
Bromodichloromethane	NL	NL	NL	ND		ND		ND		ND	
Bromoform	NL	NL	NL	ND		ND		ND		ND	
Bromomethane	NL	NL	NL	ND		ND		ND		ND	
Carbon Disulfide	NL	NL	NL	ND		ND		ND		ND	
Carbon tetrachloride	0.76	2.4	22	ND		ND		ND		ND	
Chlorobenzene	1.1	100	500	ND		ND		ND		ND	
Chloroethane	NL	NL	NL	ND		ND		ND		ND	
Chloroform	0.37	49	350	ND		ND		ND		ND	
Chloromethane	NL	NL	NL	ND		ND		ND		ND	
cis-1,2-Dichloroethene	0.25	100	500	ND		ND		ND		ND	
cis-1,3-dichloropropene	NL	NL	NL	ND		ND		ND		ND	
Cyclohexane	NL	NL	NL	ND		ND		ND		ND	
Dibromochloromethane	NL	NL	NL	ND		ND		ND		ND	
Dichlorodifluoromethane	NL	NL	NL	ND		ND		ND		ND	
Ethylbenzene	1	41	390	ND		ND		ND		ND	
Isopropylbenzene	NL	NL	NL	ND		ND		ND		ND	
Methyl Acetate	NL	NL	NL	ND		ND		ND		ND	
Methyl Cyclohexane	NL	NL	NL	ND		ND		ND		ND	
Methyl ethyl ketone (2-butanone)	0.12	100	500	ND		ND		ND		ND	
Methyl tert-butyl ether	0.93	100	500	ND		ND		ND		ND	
Methylene chloride	0.05	100	500	ND		ND		ND		ND	
Naphthalene	NL	NL	NL	ND		ND		ND		ND	
n-Butylbenzene	12	100	500	ND		ND		ND		ND	
n - Propylbenzene	3.9	100	500	ND		ND		ND		ND	
o-xylene	0.26	100	500	ND		ND		ND		ND	
m,p-xylene				ND		ND		ND		ND	
p-Isopropyltoluene	NL	NL	NL	ND		ND		ND		ND	
sec-Butylbenzene	11	100	500	ND		ND		ND		ND	
Styrene	NL	NL	NL	ND		ND		ND		ND	
tert-Butylbenzene	5.9	100	500	ND		ND		ND		ND	
Tetrachloroethene	1.3	19	150	0.0023		ND		ND		0.00074	
Toluene	0.7	100	500	ND		ND		ND		ND	
trans-1,2-Dichloroethene	0.19	100	500	ND		ND		ND		ND	
trans-1,3-dichloropropene	NL	NL	NL	ND		ND		ND		ND	
Trichloroethene	0.47	21	200	0.00022	J	ND		ND		ND	
Trichlorofluoromethane	NL	NL	NL	ND		ND		ND		ND	
Vinyl chloride	0.02	0.9	13	ND		ND		ND		ND	

**NOTES:**

All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm)

ND indicates compound was not detected above the indicated laboratory method detection limit (MDL).

NL indicates not listed

\*indicates no Part 375 value, corresponding CP-51 Supplemental Soil Cleanup Objective is listed

**Bold type indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO)**

**Red lettering indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Restricted Residential Use SCO**

**Yellow highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375 Commercial Use SCO**

VOCs analyzed by USEPA Method 8260

Table 4.7B  
Former Breneman Site  
8 East Utica Street  
Summary of SVOCs in Soil  
LaBella Project #2190490

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Restricted Residential Use SCOs	NYCRR Part 375 Commercial Use SCOs	COMP-1		COMP-1		COMP-2		COMP-2		COMP-3		COMP-3		COMP-4		COMP-4														
Sample Depth (ft bgs)				0-2"		2-12"		0-2"		2-12"		0-2"		2-12"		0-2"		2-12"														
Sample Date				11/29/2018		11/29/2018		11/29/2018		11/29/2018		11/29/2018		11/29/2018		11/29/2018		11/29/2018														
Result																				Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Semivolatile organic compounds																																
Acenaphthene	20	100	500	ND		0.021	J	ND		ND		ND		ND		0.033	J	ND														
Acenaphthylene	100	100	500	0.053	J	0.21		0.12	J	ND		0.066	J	0.076	J	0.058	J	0.037	J													
Anthracene	100	100	500	0.052	J	0.14		0.14		ND		0.067	J	0.073	J	0.13		0.056	J													
Benz(a)anthracene	1	1	5.6	0.26		0.62		0.38		0.078	J	0.22		0.29		0.39		0.20														
Benzo(a)pyrene	1	1	1	0.29		0.73		0.34		0.08	J	0.2		0.28		0.33		0.18														
Benzo(b)fluoranthene	1	1	5.6	0.39		1		0.45		0.1	J	0.26		0.36		0.41		0.22														
Benzo(g,h,i)perylene	100	100	500	0.17		0.53		0.2		0.061	J	0.14	J	0.19		0.2		0.12	J													
Benzo(k)fluoranthene	0.8	3.9	56	0.11	J	0.38		0.12		0.031	J	0.09	J	0.13		0.17		0.082	J													
Chrysene	1	3.9	56	0.27		0.79		0.38		0.083	J	0.2		0.29		0.39		0.18														
Dibenz(a,h)anthracene	0.33	0.33	0.56	0.038	J	0.11	J	0.052	J	ND		0.034	J	0.039	J	0.052	J	0.024	J													
Fluoranthene	100	100	500	0.53		1.6		0.72		0.15		0.38		0.63		0.92		0.4														
Fluorene	30	100	500	0.022	J	0.053	J	0.036	J	ND		0.021	J	0.021	J	0.058	J	0.02	J													
Indeno(1,2,3-cd)pyrene	0.5	0.5	5.6	0.19		0.58		0.21		0.058	J	0.14	J	0.2		0.23		0.13	J													
Phenanthrene	100	100	500	0.3		0.99		0.46		0.078	J	0.19		0.39		0.66		0.21														
Pyrene	100	100	500	0.44		1.3		0.63		0.13		0.34		0.54		0.73		0.35														

NOTES:  
All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm)  
ND indicates compound was not detected above the indicated laboratory method detection limit (MDL).  
NL indicates not listed  
\*indicates no Part 375 value, corresponding CP-51 Supplemental Soil Cleanup Objective is listed

**Bold type indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO)**

**Red lettering indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Restricted Residential Use SCO**

**Yellow highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375 Commercial Use SCO**

SVOCs analyzed by USEPA Method 8270



Table 4.7C  
Former Breneman Site  
8 East Utica Street  
Summary of Pesticides in Soil  
LaBella Project #2190490

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Restricted Residential Use SCOs	NYCRR Part 375 Commercial Use SCOs	COMP-1		COMP-1		COMP-2		COMP-2		COMP-3		COMP-3		COMP-4		COMP-4	
Sample Depth (ft bgs)				0-2"		2-12"		0-2"		2-12"		0-2"		2-12"		0-2"		2-12"	
Sample Date				11/29/2018		11/29/2018		11/29/2018		11/29/2018		11/29/2018		11/29/2018		11/29/2018		11/29/2018	
				Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Pesticides																			
4,4'-DDD	0.0033	13	92	ND		ND		ND		ND		ND		ND		ND		ND	
4,4'-DDE	0.0033	8.9	62	0.00286		0.00381	P	0.00309	P	ND		0.00202		0.00428		0.00224		0.00230	
4,4'-DDT	0.0033	7.9	47	0.0057		0.00586		0.00198	J	ND		ND		0.00198	JP	0.00184	J	0.00243	J
Aldrin	0.005	0.097	0.68	ND		ND		ND		ND		ND		ND		ND		ND	
alpha-BHC	0.02	0.48	3.4	ND		ND		ND		ND		ND		ND		ND		ND	
beta-BHC	0.036	0.36	3	ND		ND		ND		ND		ND		ND		ND		ND	
Chlordane (alpha)	0.094	4.2	24	ND		ND		0.0164		ND		ND		ND		ND		0.037000	
cis-Chlordane	NL	NL	NL	ND		ND		ND		ND		ND		0.000918	JIP	0.000813	JIP	0.000916	JIP
delta-BHC	0.04	100	500	ND		ND		ND		ND		ND		ND		ND		ND	
Dieldrin	0.005	0.2	1.4	ND		ND		ND	0.00108	JP		ND		ND		ND		ND	
Endosulfan I	2.4	24	200	ND		ND		ND		ND		ND		ND		ND		ND	
Endosulfan II	2.4	24	200	ND		ND		ND		ND		ND		ND		ND		ND	
Endosulfan sulfate	2.4	24	200	ND		ND		ND		ND		ND		ND		ND		ND	
Endrin	0.014	11	89	ND		ND		ND		ND		ND		ND		ND		ND	
Endrin Aldehyde	NL	NL	NL	ND		ND		ND		ND		ND		ND		ND		ND	
Endrin Ketone	NL	NL	NL	ND		ND		ND		ND		ND		ND		ND		ND	
Heptachlor	0.042	2.1	15	ND		ND		ND		ND		ND		ND		ND		ND	
Heptachlor Epoxide	NL	NL	NL	ND		ND		ND		ND		ND		ND		ND		ND	
Lindane	NL	NL	NL	ND		ND		ND		ND		ND		ND		ND		ND	
Methoxychlor	NL	NL	NL	ND		ND		ND		ND		ND		ND		ND		ND	
Toxaphene	NL	NL	NL	ND		ND		ND		ND		ND		ND		ND		ND	
trans-Chlordane	NL	NL	NL	0.00121	JIP	ND		0.00091	JIP	ND		ND		ND		ND		0.000786	JIP

NOTES:

All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm)

ND indicates compound was not detected above the indicated laboratory method detection limit (MDL).

NL indicates not listed

\*indicates no Part 375 value, corresponding CP-51 Supplemental Soil Cleanup Objective is listed

**Bold type indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO)**

**Red lettering indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Restricted Residential Use SCO**

**Yellow highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375 Commercial Use SCO**

Pesticides analyzed by USEPA Method 8081



Table 4.7D  
Former Breneman Site  
8 East Utica Street  
Summary of PCBs In Soil  
LaBella Project #2190490

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Restricted Residential Use SCOs	NYCRR Part 375 Commercial Use SCOs	SS-05-S		SS-05-S		SS-05-N		SS-05-N		COMP-1		COMP-1		COMP-2		COMP-2		COMP-3		COMP-3		COMP-4		COMP-4	
Sample Depth (ft bgs)				0-2*		2-12*		0-2*		2-12*		0-2*		2-12*		0-2*		2-12*		0-2*		2-12*		0-2*		2-12*	
Sample Date				11/29/2018		11/29/2018		11/29/2018		11/29/2018		11/29/2018		11/29/2018		11/29/2018		11/29/2018		11/29/2018		11/29/2018		11/29/2018		11/29/2018	
				Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
PCBs																											
PCB 1016	See Total	See Total	See Total	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
PCB 1221				ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
PCB 1232				ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
PCB 1242				ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
PCB 1248				ND		ND		ND		ND		ND		0.0132	J	ND		ND		ND		ND		ND		ND	
PCB 1254				ND		ND		0.0061	J	0.00445	J	ND		0.0175	JP	ND		ND		ND		ND		ND		ND	
PCB 1260				0.0152	J	ND		0.0168	J	0.02110	J	0.0168	J	0.0113	J	0.0106	J	0.0316	J	0.0128	J	0.0181	J	0.0175	J	0.0138	J
PCB 1262				ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
PCB 1268				ND		ND		ND		ND		ND		ND		0.00698	J	ND		ND		ND		ND		ND	
Total PCBs				0.1		1		1		0.0152	J	ND		0.0229	J	0.0256	J	0.0168	J	0.042	J	0.0176	J	0.0316	J	0.0128	J

NOTES:  
All values displayed in milligrams per kilograms (mg/kg) or parts per million (ppm)  
ND indicates compound was not detected above the indicated laboratory method detection limit (MDL).  
NL indicates not listed  
\* indicates no Part 375 value, corresponding CP-51 Supplemental Soil Cleanup Objective is listed

**Bold type indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO)**

**Red lettering indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Restricted Residential Use SCO**

**Yellow highlight indicates that the compound was detected at a concentration above its respective NYCRR Part 375 Commercial Use SCO**

PCBs analyzed by USEPA Method 8082





Table 4.7E  
Former Breneman Site  
8 East Utica Street  
Summary of Metals in Soil  
LaBella Project #2190490

Sample ID	NYCRR Part 375 Unrestricted Use SCOs	NYCRR Part 375 Restricted Residential Use SCOs	NYCRR Part 375 Commercial Use SCOs	COMP-1		COMP-2			COMP-3		COMP-4		S-01		S-02		S-03		S-04		S-05			S-06		S-07		S-08		S-09			
Sample Depth	Unrestricted Use SCOs	Restricted Residential Use SCOs	Commercial Use SCOs	0-2"	2-12"	0-2"	Duplicate	2-12"	0-2"	2-12"	0-2"	2-12"	0-2"	2-12"	0-2"	2-12"	0-2"	2-12"	0-2"	2-12"	0-2"	Duplicate	2-12"	0-2"	2-12"	0-2"	2-12"	0-2"	2-12"	0-2"	2-12"		
Sample Date				11/29/18	11/29/18	11/29/18	11/29/18	11/29/18	11/29/18	11/29/18	11/29/18	11/29/18	4/22/20	4/22/20	4/22/20	4/22/20	4/22/20	4/22/20	4/22/20	4/22/20	4/22/20	4/22/20	4/22/20	4/22/20	4/22/20	4/22/20	4/22/20	5/4/20	5/4/20	5/4/20	5/4/20	5/4/20	5/4/20
Metals																																	
Aluminum	NL	NL	NL	5470	5510	5790	5920	5420	5710	6150	6040	5960	6110	6170	4460	5880	1860	4980	7220	5530	4100	4750	5810	5490	4400	4480	4620	6030	5200	3970	4770		
Antimony	NL	NL	NL	69.1	42.1	7.83	6.47	1.03 J	2.93 J	4.53 J	0.592 J	0.828 J	2.62 J	2.7 J	1.62 J	0.692 J	4.3 J	35.6	1.26 J	1.69 J	1.42 J	1.25 J	1.27 J	ND	ND	12.5	22.7	11	21.9	9.33	5.02 J		
Arsenic	13	16	16	12.9	11.8	5.18	4.59	3.38	2.97	3.12	3.75	3.48	4.18	3.87	4.19	3.23	9.19	21.3	4.44	3.01	3.06	2.4	4.19	4.13	3.33	3.62	6.12	4.63	4.55	7.85	7.72		
Barium	350	400	400	99.3	103	721	902	430	56.4	57.4	55.6	53.4	131	127	275	113	1850	2060	120	94	84.4	72.4	82.7	37	31.7	122	361	116	93.2	108	125		
Beryllium	7.2	72	590	0.407 J	0.373 J	0.296 J	0.264 J	0.26 J	0.206 J	0.283 J	0.305 J	0.309 J	0.301	0.318 J	0.223 J	0.246 J	0.074 J	0.51 J	0.352 J	0.261 J	0.176 J	0.202 J	0.26 J	0.28 J	0.212 J	0.249 J	0.288 J	0.338 J	0.291 J	0.263 J	0.359 J		
Cadmium	2.5	4.3	9.3	1.45	1.26	1.55	989	0.376 J	0.382 J	0.368 J	0.407 J	0.382 J	ND	ND	ND	ND	1.09 J	8.02	0.186 J	ND	ND	ND	ND	ND	ND	0.354 J	0.664 J	0.405 J	0.391 J	0.158 J	0.211 J		
Calcium	NL	NL	NL	6250	4820	13200	19700	21800	38000	14700	13600	10500	13200	10000	14300	11200	103000	21200	10800	9290	39400	13500	19900	12600	10300	3610	4610	2240	2290	4550	5370		
Chromium, trivalent	30	180	1500	15.5	14.4	538	267	26.9	7.58	9.29	8.86	9.37	11.5	11.5	22.3	12.9	305	2120	13.4	13	16.1	7.98	13	8.89	6.62	13.1	35.2	13.3	12.6	14.6	16.9		
Cobalt	NL	NL	NL	6.46	4.74	3.92	4.08	3.87	4.05	5.04	4.37	4.21	4.3	4.48	4.04	4.99	1.94 J	4.25	5.18	4.42	3.5	4.02	4.6	4.65	3.89	3.71	3.98	5.18	4.17	3.55	4.13		
Copper	50	270	270	37.9	38.8	29.3	27.1	21.1	23.7	30.6	24.8	23.8	21.7	17.1	27.4	25.3	18.2	61.2	25.2	23.7	21	22.5	32	24.5	22.2	29.4	53.2	32.5	32.1	30.6	34.6		
Total Cyanide	27	27	27	ND	0.31 J	8.3	13	2	ND	ND	ND	ND	ND	ND	0.41 J	ND	71	83	ND	ND	0.77 J	0.29 J	11	ND	ND	ND	1.2	ND	ND	0.34 J			
Iron	NL	NL	NL	13600	12500	11700	12400	11300	12100	13400	12000	11600	11800	11400	11800	13600	5660	14700	13700	12000	9360	11500	13700	13200	10200	9540	10900	13300	11500	9640	11100		
Lead	63	400	1000	401	266	10400	5050	350	46.9	49.9	82.4	72.4	108	105	467	145	9840	57400	107	110	88.4	41.6	68.8	19.6	15	213	917	156	164	249	256		
Magnesium	NL	NL	NL	2970	2410	3610	5020	5100	4020	4630	4760	3770	3530	3020	4030	4690	7880	3760	3500	3920	6480	4760	4890	4600	3820	2040	2030	2500	2160	2310	2420		
Manganese	1600	2000	10000	359	277	424	425	438	442	411	438	397	488	381	692	548	226	539	423	372	371	505	459	489	381	288	364	515	342	339	352		
Mercury	0.18	0.81	2.8	2.07	2.08	93.3	67.2	27.3	0.096	0.073 J	0.327	0.22	0.565	0.373	3.95	3.12	146	434	0.452	0.254	0.116	0.081 J	0.154	ND	ND	1.88	7.85	2.38	1.55	1.11	1.24		
Nickel	30	310	310	15.3	11.6	8.47	8.78	8.24	8.7	10.6	8.93	8.92	9.39	9.48	8.54	12.3	8.87	20.3	11.1	9.88	7.45	8.96	9.55	9.8	7.93	8.86	11.4	11.8	10.4	8.83	10.2		
Potassium	NL	NL	NL	743	582	593	551	476	406	472	459	425	575	557	444	315	787	527	352	456	333	425	522	364	542	440	586	484	539	789			
Selenium	3.9	180	1500	0.876 J	0.687 J	0.859 J	0.659 J	0.519 J	0.32 J	0.368 J	0.444 J	0.528 J	ND	ND	ND	ND	0.834 J	1.66 J	ND	ND	ND	ND	ND	ND	ND	0.44 J	0.506 J	ND	ND	ND	ND		
Silver	2	180	1500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.674 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Sodium	NL	NL	NL	53.2 J	50.1 J	132 J	123 J	65.1 J	44.6 J	42.6 J	59.3 J	49.9 J	90.2	83.7 J	61.5 J	30.1 J	146 J	197 J	128 J	129 J	78.3 J	43.6	64.6 J	43 J	35.1 J	38.2 J	36.3 J	31.8 J	29.3 J	59.2 J	82.8 J		
Thallium	NL	NL	NL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Vanadium	NL	NL	NL	17.2	18.4	14	14.5	14.1	12	13.3	14.4	14	14.2	13.5	11.1	13.5	8.34	28.3	14.6	11	8.86	9.29	12.9	11.8	9.58	11.2	15.1	14.2	13	13.7	15.9		
Zinc	109	10000	10000	160	179	2320	1160	118	58.6	64.2	75.6	68.7	73.4	75.5	109	59.8	705	4570	74.9	64.1	63.1	46.3	57.8	44	33.2	110	279	107	107	137	169		

NOTES:

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\*indicates no Part 375 value, corresponding CP-51 Supplemental Soil Cleanup Objective is listed

**Bold type Indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective (SCO)**

**Red lettering indicates that the compound was detected at a concentration above its respective NYCRR Part 375-6.8(b) Restricted Residential Use SCO**

**Yellow highlight indicates that the compound was detected at a concentration at**

Metals analyzed by USEPA Method 6010/7470

Cyanide analyzed by USEPA Method 9012

